US009603162B2

(12) **United States Patent**
Wang

(10) **Patent No.: US 9,603,162 B2**
(45) **Date of Patent: Mar. 21, 2017**

(54) **DATA TRANSMISSION METHOD, BASE STATION, AND USER EQUIPMENT USING MULTIPLE TRANSPORT BLOCK SIZE TABLES**

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 157 days.

(21) Appl. No.: **14/524,571**

(22) Filed: **Oct. 27, 2014**

(65) **Prior Publication Data**

US 2015/0043526 A1 Feb. 12, 2015

Related U.S. Application Data

(63) Continuation of application No. PCT/CN2013/072998, filed on Mar. 21, 2013.

(51) **Int. Cl.**
H04W 72/12 (2009.01)
H04W 16/26 (2009.01)
(Continued)

(52) **U.S. Cl.**
CPC ***H04W 72/1278*** (2013.01); ***H04L 1/0003*** (2013.01); ***H04L 1/0006*** (2013.01);
(Continued)

(58) **Field of Classification Search**
CPC H04W 72/1278; H04W 16/26; H04L 1/0007; H04L 1/0015; H04L 1/0003; H04L 1/0025
See application file for complete search history.

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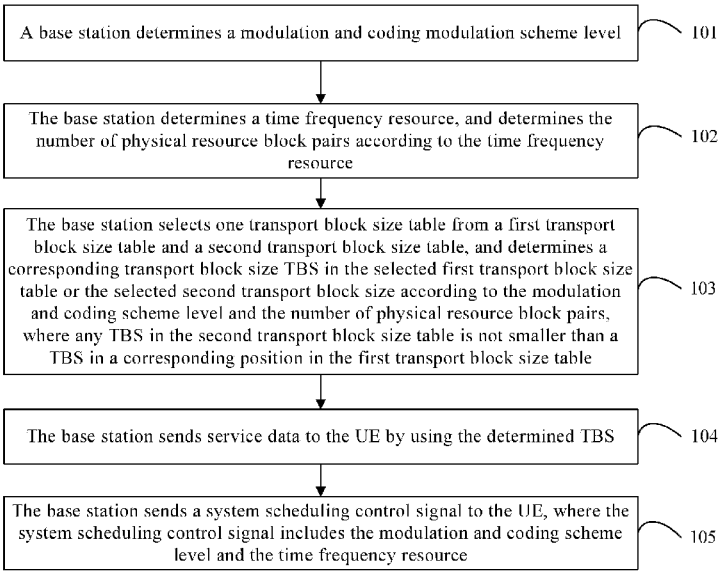
(57) **ABSTRACT**

A data transmission method, a base station, and a user equipment. The data transmission method includes determining, by a base station, a modulation and coding scheme level and the number of physical resource block pairs, selecting one transport block size (TBS) table from a first TBS table and a second TBS table, and determining a corresponding TBS, so that a coding rate can be increased when the base station transmits service data to the UE according to a TBS in the selected second TBS table.

24 Claims, 3 Drawing Sheets



(51) **Int. Cl.**
H04L 1/00 (2006.01)
H04L 5/00 (2006.01)

(52) **U.S. Cl.**
CPC ***H04L 1/0007*** (2013.01); ***H04L 1/0009*** (2013.01); ***H04L 1/0015*** (2013.01); ***H04L 1/0025*** (2013.01); ***H04W 16/26*** (2013.01); *H04L 5/0005* (2013.01); *H04L 5/0046* (2013.01); *H04L 5/0053* (2013.01)

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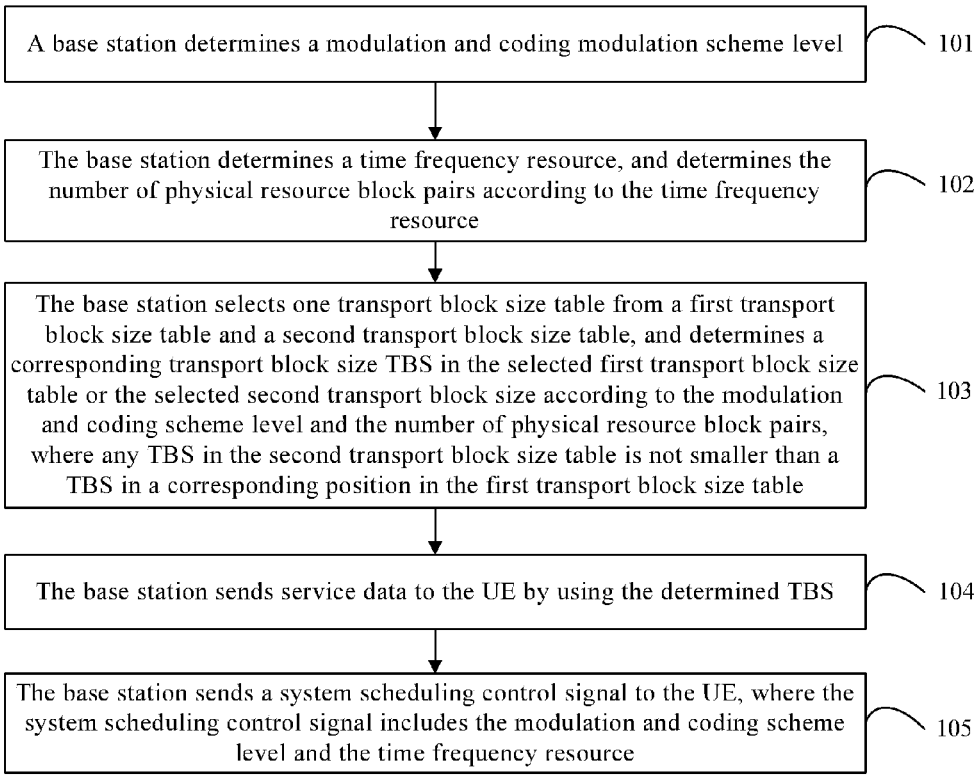
A base station determines a modulation and coding modulation scheme level
101
The base station determines a time frequency resource, and determines the number of physical resource block pairs according to the time frequency resource
102
The base station selects one transport block size table from a first transport block size table and a second transport block size table, and determines a corresponding transport block size TBS in the selected first transport block size table or the selected second transport block size according to the modulation and coding scheme level and the number of physical resource block pairs, where any TBS in the second transport block size table is not smaller than a TBS in a corresponding position in the first transport block size table
103
The base station sends service data to the UE by using the determined TBS
104
The base station sends a system scheduling control signal to the UE, where the system scheduling control signal includes the modulation and coding scheme level and the time frequency resource
105

FIG. 1

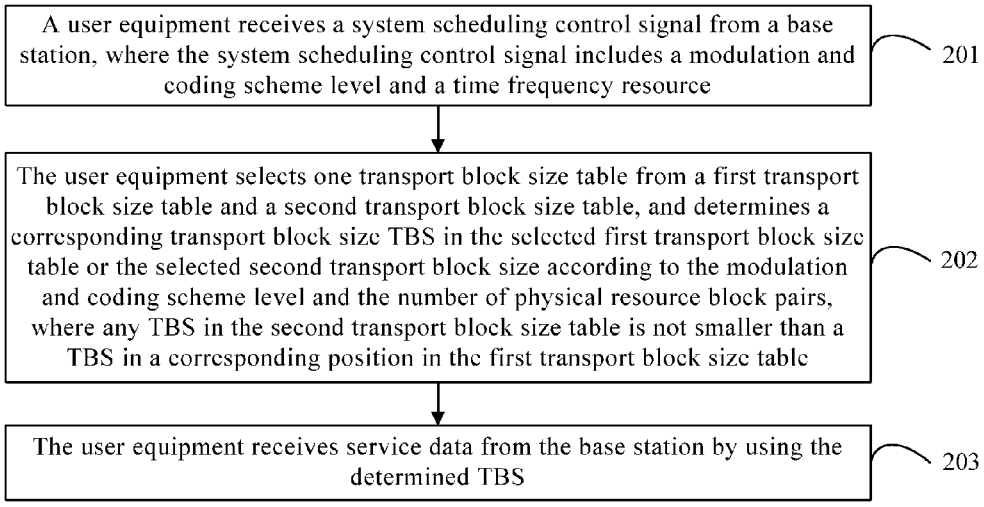
A user equipment receives a system scheduling control signal from a base station, where the system scheduling control signal includes a modulation and coding scheme level and a time frequency resource
201
The user equipment selects one transport block size table from a first transport block size table and a second transport block size table, and determines a corresponding transport block size TBS in the selected first transport block size table or the selected second transport block size according to the modulation and coding scheme level and the number of physical resource block pairs, where any TBS in the second transport block size table is not smaller than a TBS in a corresponding position in the first transport block size table
202
The user equipment receives service data from the base station by using the determined TBS
203

FIG. 2

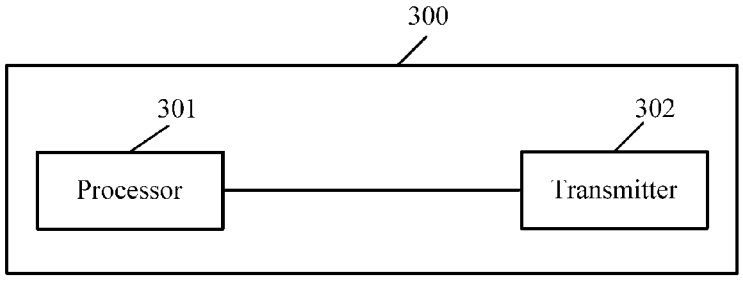
300
301
302
Processor
Transmitter

FIG. 3

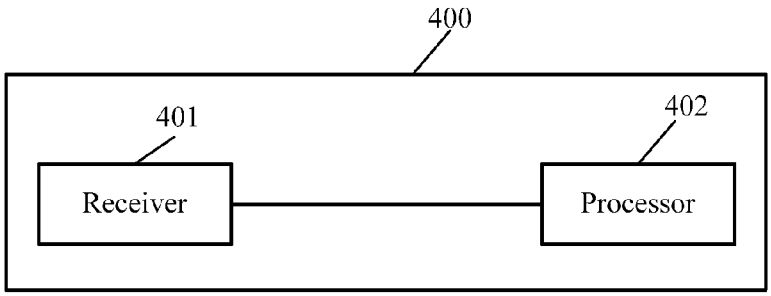

FIG. 4

DATA TRANSMISSION METHOD, BASE STATION, AND USER EQUIPMENT USING MULTIPLE TRANSPORT BLOCK SIZE TABLES

CROSS-REFERENCE TO RELATED APPLICATIONS

This application is a continuation of International Application No. PCT/CN2013/072998, filed on Mar. 21, 2013, which is hereby incorporated by reference in its entirety.

TECHNICAL FIELD

Embodiments of the present invention relate to communications technologies, and in particular, to a data transmission method, a base station, and a user equipment.

BACKGROUND

In systems of Long Term Evolution Release.8 (LTE REL.8) to LTE REL.11, a state of a channel from a base station to a user equipment (UE) determines throughput from the base station to the UE. In a good channel state, the base station can transmit data to the UE using a high modulation and coding scheme (MCS) level, and the throughput of the system is also large; in a poor channel state, to control a bit error rate during data transmission, the base station can transmit data to the UE using a low MCS level. The base station determines, according to a channel state fed back by the UE, a coding rate and an MCS level used for transmitting data on this channel. To achieve a purpose of transmitting data to the UE at this coding rate, the base station needs to determine a transport block size that the delivered service data needs to occupy. When determining the transport block size, the base station generally determines, in a transport block size table (TBS table), according to the determined MCS level and frequency resources scheduled by the system, a transport block size used to carry the service data that the base station delivers to the UE.

In the prior art, in LTE REL.12, the base station transmits data to the UE using a transport block size determined according to an existing TBS table. However, a system overhead of an LTE REL.12 system is lower than system overheads of systems of LTE REL.8 to LTE REL.11, which causes a lower actual effective coding rate during the transmission and further affects throughput of the LTE REL.12 system.

SUMMARY

An objective of embodiments of the present invention is to provide a data transmission method, a base station, and a user equipment to solve a problem that an effective coding rate is reduced and that system throughput is affected when the base station transmits data to the UE using a transport block size that is determined according to an existing TBS table.

According to a first aspect, an embodiment of the present invention provides a data transmission method, which includes determining, by a base station, a modulation and coding scheme level; determining, by the base station, a time-frequency resource, and determining the number of physical resource block pairs according to the time-frequency resource; selecting, by the base station, one transport block size table from a first transport block size table and a second transport block size table, and determining a corresponding transport block size TBS in the selected first transport block size table or the selected second transport block size according to the modulation and coding scheme level and the number of physical resource block pairs, where any TBS in the second transport block size table is not smaller than a TBS in a corresponding position in the first transport block size table; transmitting, by the base station, service data to a user equipment using the determined TBS; and transmitting, by the base station, a system scheduling control signal to the user equipment, where the system scheduling control signal includes the modulation and coding scheme level and the time-frequency resource.

With reference to the first aspect, in a first possible implementation manner of the first aspect, coding rates corresponding to all TBSs included in a maximum modulation and coding scheme level in the first transport block size table are equal to a set coding rate; and/or, coding rates corresponding to all TBSs included in a maximum modulation and coding scheme level in the second transport block size table are equal to the set coding rate.

With reference to the first aspect or the first possible implementation manner of the first aspect, in a second possible implementation manner of the first aspect, the selecting, by the base station, one transport block size table from a first transport block size table and a second transport block size table includes selecting, by the base station, one transport block size table from the first transport block size table and the second transport block size according to a system configuration parameter or a system overhead.

With reference to the first aspect or the first possible implementation manner of the first aspect, in a third possible implementation manner of the first aspect, the method further includes sending, by the base station, a higher-layer signaling message to the user equipment, where the higher-layer signaling message carries instruction information that instructs selection of the first transport block size table or the second transport block size table.

With reference to the first aspect or the first possible implementation manner of the first aspect, in a fourth possible implementation manner of the first aspect, the method further includes sending, by the base station, a downlink control message to the user equipment, where the downlink control message carries instruction information that instructs selection of the first transport block size table or the second transport block size table.

With reference to the first aspect or any one possible implementation manner of the first possible implementation manner of the first aspect, the second possible implementation manner of the first aspect, the third possible implementation manner of the first aspect, and the fourth possible implementation manner of the first aspect, in a fifth possible implementation manner of the first aspect, the first transport block size table includes a layer-1 data transport block size table in a LTE REL.8 system.

With reference to the fifth possible implementation manner of the first aspect, in a sixth possible implementation manner of the first aspect, all TBSs in the second transport block size table are included in TBSs in the first transport block size table.

With reference to the sixth possible implementation manner of the first aspect, in a seventh possible implementation manner of the first aspect, any TBS in the second transport block size table is a TBS in the first transport block size table, corresponding to a coding rate closest to a target coding rate.

With reference to the fifth possible implementation manner of the first aspect, in an eighth possible implementation

manner of the first aspect, some TBSs in the second transport block size table are included in TBSs in the first transport block size table and some TBSs in the second transport block size table are included in a set layer-2 data transport block size table.

With reference to the eighth possible implementation manner of the first aspect, in a ninth possible implementation manner of the first aspect, any TBS in the second transport block size table is a TBS in the first transport block size table and the set layer-2 data transport block size table, corresponding to a coding rate closest to a target coding rate.

With reference to the seventh possible implementation manner of the first aspect or the ninth possible implementation manner of the first aspect, in a tenth possible implementation manner of the first aspect, the target coding rate is a coding rate corresponding to the modulation and coding scheme level and the number of physical resource block pairs in LTE REL.8; or, the target coding rate is an optimized coding rate of a coding rate corresponding to the modulation and coding scheme level and the number of physical resource block pairs in LTE REL.8.

According to a second aspect, an embodiment of the present invention provides a data transmission method, which includes receiving, by a user equipment, a system scheduling control signal from a base station, where the system scheduling control signal includes a modulation and coding scheme level and a time-frequency resource; and selecting, by the user equipment, one transport block size table from a first transport block size table and a second transport block size table, and determining a corresponding transport block size TBS in the selected first transport block size table or the selected second transport block size according to the modulation and coding scheme level and the number of physical resource block pairs, where any TBS in the second transport block size table is not smaller than a TBS in a corresponding position in the first transport block size table; and receiving, by the user equipment, service data from the base station using the determined TBS.

With reference to the second aspect, in a first possible implementation manner of the second aspect, coding rates corresponding to all TBSs included in a maximum modulation and coding scheme level in the first transport block size table are equal to a set coding rate; and/or, coding rates corresponding to all TBSs included in a maximum modulation and coding scheme level in the second transport block size table are equal to the set coding rate.

With reference to the second aspect or the first possible implementation manner of the second aspect, in a second possible implementation manner of the second aspect, the selecting, by the user equipment, one transport block size table from a first transport block size table and a second transport block size table includes selecting, by the user equipment, one transport block size table from the first transport block size table and the second transport block size according to a system configuration parameter or a system overhead.

With reference to the second aspect or the first possible implementation manner of the second aspect, in a third possible implementation manner of the second aspect, before the selecting, by the user equipment, one transport block size table from a first transport block size table and a second transport block size table, the method further includes receiving, by the user equipment, a higher-layer signaling message from the base station, where the higher-layer signaling message carries instruction information that instructs selection of the first transport block size table or the second transport block size table.

With reference to the second aspect or the first possible implementation manner of the second aspect, in a fourth possible implementation manner of the second aspect, before the selecting, by the user equipment, one transport block size table from a first transport block size table and a second transport block size table, the method further includes receiving, by the user equipment, a downlink control message from the base station, where the downlink control message carries instruction information that instructs selection of the first transport block size table or the second transport block size table.

With reference to the second aspect or any one possible implementation manner of the first possible implementation manner of the second aspect, the second possible implementation manner of the second aspect, the third possible implementation manner of the second aspect, and the fourth possible implementation manner of the second aspect, in a fifth possible implementation manner of the second aspect, the first transport block size table includes a layer-1 data transport block size table in a LTE REL.8 system.

With reference to the fifth possible implementation manner of the second aspect, in a sixth possible implementation manner of the second aspect, all TBSs in the second transport block size table are included in TBSs in the first transport block size table.

With reference to the sixth possible implementation manner of the second aspect, in a seventh possible implementation manner of the second aspect, any TBS in the second transport block size table is a TBS in the first transport block size table, corresponding to a coding rate closest to a target coding rate.

With reference to the fifth possible implementation manner of the second aspect, in an eighth possible implementation manner of the second aspect, some TBSs in the second transport block size table are included in TBSs in the first transport block size table and some TBSs in the second transport block size table are included in a set layer-2 data transport block size table.

With reference to the eighth possible implementation manner of the second aspect, in a ninth possible implementation manner of the second aspect, any TBS in the second transport block size table is a TBS in the first transport block size table and the set layer-2 data transport block size table, corresponding to a coding rate closest to a target coding rate.

With reference to the seventh possible implementation manner of the second aspect or the ninth possible implementation manner of the second aspect, in a tenth possible implementation manner of the second aspect, the target coding rate is a coding rate corresponding to the modulation and coding scheme level and the number of physical resource block pairs in LTE REL.8; or, the target coding rate is an optimized coding rate of the coding rate corresponding to the modulation and coding scheme level and the number of the physical resource block pairs in LTE REL.8.

According to a third aspect, an embodiment of the present invention provides a base station, which includes a processor configured to determine a modulation and coding scheme level, determine a time-frequency resource, and determine the number of physical resource block pairs according to the time-frequency resource; and further configured to select one transport block size table from a first transport block size table and a second transport block size table, and determine a corresponding transport block size TBS in the selected first transport block size table or the selected second transport block size table according to the modulation and coding scheme level and the number of physical resource block pairs, where any TBS in the second

transport block size table is not smaller than a TBS in a corresponding position in the first transport block size table; and a transmitter configured to send service data to a user equipment using the determined TBS, and further configured to send a system scheduling control signal to the user equipment, where the system scheduling control signal includes the modulation and coding scheme level and the time-frequency resource.

With reference to the third aspect, in a first possible implementation manner of the third aspect, coding rates corresponding to all TBSs included in a maximum modulation and coding scheme level in the first transport block size table are equal to a set coding rate; and/or, coding rates corresponding to all TBSs included in a maximum modulation and coding scheme level in the second transport block size table are equal to the set coding rate.

With reference to the third aspect or the first possible implementation manner of the third aspect, in a second possible implementation manner of the third aspect, the processor is further configured to select one transport block size table from the first transport block size table and the second transport block size table according to a system configuration parameter or a system overhead.

With reference to the third aspect or the first possible implementation manner of the third aspect, in a third possible implementation manner of the third aspect, the transmitter is further configured to send a higher-layer signaling message to the user equipment, where the higher-layer signaling message carries instruction information that instructs selection of the first transport block size table or the second transport block size table.

With reference to the third aspect or the first possible implementation manner of the third aspect, in a fourth possible implementation manner of the third aspect, the transmitter is further configured to send a downlink control message to the user equipment, where the downlink control message carries instruction information that instructs selection of the first transport block size table or the second transport block size table.

With reference to the third aspect or any one possible implementation manner of the first possible implementation manner of the third aspect, the second possible implementation manner of the third aspect, the third possible implementation manner of the third aspect, and the fourth possible implementation manner of the third aspect, in a fifth possible implementation manner of the third aspect, the first transport block size table includes a layer-1 data transport block size table in a LTE REL.8 system.

With reference to the fifth possible implementation manner of the third aspect, in a sixth possible implementation manner of the third aspect, all TBSs in the second transport block size table are included in TBSs in the first transport block size table.

With reference to the sixth possible implementation manner of the third aspect, in a seventh possible implementation manner of the third aspect, any TBS in the second transport block size table is a TBS in the first transport block size table, corresponding to a coding rate closest to a target coding rate.

With reference to the fifth possible implementation manner of the third aspect, in an eighth possible implementation manner of the third aspect, some TBSs in the second transport block size table are included in TBSs in the first transport block size table and some TBSs in the second transport block size table are included a set layer-2 data transport block size table.

With reference to the eighth possible implementation manner of the third aspect, in a ninth possible implementation manner of the third aspect, any TBS in the second transport block size table is a TBS in the first transport block size table and the set layer-2 data transport block size table, corresponding to a coding rate closest to a target coding rate.

With reference to the seventh possible implementation manner of the third aspect or the ninth possible implementation manner of the third aspect, in a tenth possible implementation manner of the third aspect, the target coding rate is a coding rate corresponding to the modulation and coding scheme level and the number of physical resource block pairs in LTE REL.8; or, the target coding rate is an optimized coding rate of a coding rate corresponding to the modulation and coding scheme level and the number of physical resource block pairs in LTE REL.8.

According to a fourth aspect, an embodiment of the present invention provides a user equipment, which includes a receiver configured to receive a system scheduling control signal from a base station, where the system scheduling control signal includes a modulation and coding scheme level and a time-frequency resource; and a processor configured to select one transport block size table from a first transport block size table and a second transport block size table, and determine a corresponding transport block size TBS in the selected first transport block size table or the selected second transport block size according to the modulation and coding scheme level and the number of physical resource block pairs, where any TBS in the second transport block size table is not smaller than a TBS in a corresponding position in the first transport block size table; where the receiver is further configured to receive service data from the base station using the determined TBS.

With reference to the fourth aspect, in a first possible implementation manner of the fourth aspect, coding rates corresponding to all TBSs included in a maximum modulation and coding scheme level in the first transport block size table are equal to a set coding rate; and/or, coding rates corresponding to all TBSs included in a maximum modulation and coding scheme level in the second transport block size table are equal to the set coding rate.

With reference to the fourth aspect or the first possible implementation manner of the fourth aspect, in a second possible implementation manner of the fourth aspect, the processor is further configured to select one transport block size table from the first transport block size table and the second transport block size table according to a system configuration parameter or a system overhead.

With reference to the fourth aspect or the first possible implementation manner of the fourth aspect, in a third possible implementation manner of the fourth aspect, the receiver is further configured to receive a higher-layer signaling message from the base station before one transport block size table is selected from the first transport block size table and the second transport block size table, where the higher-layer signaling message carries instruction information that instructs selection of the first transport block size table or the second transport block size table.

With reference to the fourth aspect or the first possible implementation manner of the fourth aspect, in a fourth possible implementation manner of the fourth aspect, the receiver is further configured to receive a downlink control message from the base station before one transport block size table is selected from the first transport block size table and the second transport block size table, where the downlink control message carries instruction information that

instructs selection of the first transport block size table or the second transport block size table.

With reference to the fourth aspect or any one possible implementation manner of the first possible implementation manner of the fourth aspect, the second possible implementation manner of the fourth aspect, the third possible implementation manner of the fourth aspect, and the fourth possible implementation manner of the fourth aspect, in a fifth possible implementation manner of the fourth aspect, the first transport block size table includes a layer-1 data transport block size table in a LTE REL.8 system.

With reference to the fifth possible implementation manner of the fourth aspect, in a sixth possible implementation manner of the fourth aspect, all TBSs in the second transport block size table are included in TBSs in the first transport block size table.

With reference to the sixth possible implementation manner of the fourth aspect, in a seventh possible implementation manner of the fourth aspect, any TBS in the second transport block size table is a TBS in the first transport block size table, corresponding to a coding rate closest to a target coding rate.

With reference to the fifth possible implementation manner of the fourth aspect, in an eighth possible implementation manner of the fourth aspect, some TBSs in the second transport block size table are included in TBSs in the first transport block size table and some TBSs in the second transport block size table are included in a set layer-2 data transport block size table.

With reference to the eighth possible implementation manner of the fourth aspect, in a ninth possible implementation manner of the fourth aspect, any TBS in the second transport block size table is a TBS in the first transport block size table and the set layer-2 data transport block size table, corresponding to a coding rate closest to a target coding rate.

With reference to the seventh possible implementation manner of the fourth aspect or the ninth possible implementation manner of the fourth aspect, in a tenth possible implementation manner of the fourth aspect, the target coding rate is a coding rate corresponding to the modulation and coding scheme level and the number of physical resource block pairs in LTE REL.8; or, the target coding rate is an optimized coding rate of the coding rate corresponding to the modulation and coding scheme level and the number of the physical resource block pairs in LTE REL.8.

In the data transmission method, the base station, and the user equipment of the embodiments, a base station determines a modulation and coding scheme level, determines a time-frequency resource, determines the number of physical resource block pairs according to the time-frequency resource, selects one transport block size table from a first transport block size table and a second transport block size table, and determines a corresponding transport block size TBS in the selected first transport block size table or the selected second transport block size table according to the modulation and coding scheme level and the number of the physical resource block pairs, where any TBS in the second transport block size table is not smaller than a TBS in a corresponding position in the first transport block size table; and the base station sends service data to a UE using the determined TBS, and sends a system scheduling control signal to the UE, where the system scheduling control signal includes the modulation and coding scheme level and the time-frequency resource. In this way, the base station implements selection of a transport block size table, so that a coding rate can be improved when the base station transmits the service data to the UE according to the TBS in the selected second transport block size table.

BRIEF DESCRIPTION OF DRAWINGS

To describe the technical solutions in the embodiments of the present invention more clearly, the following briefly introduces the accompanying drawings required for describing the embodiments. The accompanying drawings in the following description show some embodiments of the present invention, and persons of ordinary skill in the art may still derive other drawings from these accompanying drawings without creative efforts.

FIG. **1** is a flowchart of a first embodiment of a data transmission method according to the present invention;

FIG. **2** is a flowchart of a second embodiment of a data transmission method according to the present invention;

FIG. **3** is a schematic structural diagram of a first embodiment of a base station according to the present invention; and

FIG. **4** is a schematic structural diagram of a first embodiment of a user equipment according to the present invention.

DESCRIPTION OF EMBODIMENTS

To make the objectives, technical solutions, and advantages of the present invention clearer, the following clearly describes the technical solutions in the present invention with reference to the accompanying drawings in the present invention. The described embodiments are a part rather than all of the embodiments of the present invention. All other embodiments obtained by persons of ordinary skill in the art based on the embodiments of the present invention without creative efforts shall fall within the protection scope of the present invention.

FIG. **1** is a flowchart of a first embodiment of a data transmission method of the present invention. As shown in FIG. **1**, the data transmission method of this embodiment includes the following:

101. A base station determines a modulation and coding scheme level.

When the base station sends service data to a UE, the base station needs to determine a modulation and coding scheme level (MCS level), so that the base station performs coding, according to the determined MCS level, on the service data to be transmitted.

The base station can determine an MCS level according to a channel state reported by the UE. When a state of a communication channel between the base station and the UE is relatively good, the base station may determine a high MCS level as the modulation and coding scheme level to perform coding on the service data to be transmitted; and when the state of the communication channel between the base station and the UE is relatively poor, the base station can determine a low MCS level as the modulation and coding scheme level to perform coding on the service data to be transmitted.

102. The base station determines a time-frequency resource, and determines the number of physical resource block pairs according to the time-frequency resource.

A system may schedule, according to availability of a current time-frequency resource, a time-frequency resource for data transmission, and the base station determines, according to the determined time-frequency resource, the number of physical resource block pairs (PRB pairs) used by the base station to transmit the service data to the UE, for

example, if the number of PRB pairs determined by the base station is eight, the base station uses the eight PRB pairs to carry the service data.

103. The base station selects one transport block size table from a first transport block size table and a second transport block size table, and determines a corresponding transport block size TBS in the selected first transport block size table or the selected second transport block size according to the modulation and coding scheme level and the number of physical resource block pairs, where any TBS in the second transport block size table is not smaller than a TBS in a corresponding position in the first transport block size table.

The base station selects one transport block size table from the first transport block size table and the second transport block size table to determine a TBS. The base station may firstly determine, according to the determined MCS level, a modulation order index value and a TBS index value corresponding to the MCS level in a transport block size index table (full name: Modulation and TBS index table for Physical Downlink Shared Channel (PDSCH)); secondly, the base station determines, in the first transport block size table or the second transport block size table selected for determining the TBS, a TBS value corresponding to the determined TBS index value and the determined number of physical resource block (PRB) pairs.

A TBS value in the second transport block size table is compared with a TBS value in the same position in the first transport block size table, and the TBS value in the second transport block size table is not smaller than the TBS value in the first transport block size table, so that a coding rate corresponding to the TBS value in the second transport block size table is not lower than a coding rate corresponding to the TBS value in the first transport block size table.

Alternatively, a TBS value in the second transport block size table is compared with a TBS value in the same position in the first transport block size table, and the TBS value in the second transport block size table may also be smaller than the TBS value in the first transport block size table, so that a coding rate corresponding to the TBS value in the second transport block size table is lower than a coding rate corresponding to the TBS value in the first transport block size table. In this case, the second transport block size table can be applied in a scenario in which a system overhead is greater than a system overhead of a LTE REL.8 system, and when the base station performs coding according to the TBS value in the second transport block size table, the coding rate can be reduced to be closer to a desired coding rate of the system.

104. The base station sends the service data to the UE using the determined TBS.

The base station modulates the service data to the TBS that is determined according to the second transport block size table or the first transport block size table, and sends the modulated the service data to the UE.

105. The base station sends a system scheduling control signal to the UE, where the system scheduling control signal includes the modulation and coding scheme level and the time-frequency resource.

The base station sends, to the UE, the system scheduling control signal that includes the MCS level and the time-frequency resource determined by the base station, so that the UE can correctly receive the service data from the base station according to the MCS level and the time-frequency resource. This step may further be executed before step **104**.

In the data transmission method of this embodiment, a base station determines a modulation and coding scheme level, determines a time-frequency resource, determines the number of physical resource block pairs according to the time-frequency resource, selects one transport block size table from a first transport block size table and a second transport block size table, and determines a corresponding transport block size TBS in the selected first transport block size table or the selected second transport block size table according to the modulation and coding scheme level and the number of the physical resource block pairs, where any TBS in the second transport block size table is not smaller than a TBS in a corresponding position in the first transport block size table; and the base station sends the service data to the UE using the determined TBS, and sends a system scheduling control signal to the UE, where the system scheduling control signal includes the modulation and coding scheme level and the time-frequency resource. In this way, the base station implements selection of a transport block size table, so that a coding rate can be improved when the base station transmits the service data to the UE according to the TBS in the selected second transport block size table.

Optionally, coding rates corresponding to all TBSs included in a maximum modulation and coding scheme level in the first transport block size table are equal to a set coding rate; and/or, coding rates corresponding to all TBSs included in a maximum modulation and coding scheme level in the second transport block size table are equal to the set coding rate.

The first transport block size table may include a layer-1 data transport block size table in LTE REL.8, and the layer-1 data transport block size table in LTE REL.8 is shown in Table 1.

TABLE 1

Layer-1 data transport block size table in LTE REL.8

	NPRB									
ITBS	1	2	3	4	5	6	7	8	9	10
0	16	32	56	88	120	152	176	208	224	256
1	24	56	88	144	176	208	224	256	328	344
2	32	72	144	176	208	256	296	328	376	424
3	40	104	176	208	256	328	392	440	504	568
4	56	120	208	256	328	408	488	552	632	696
5	72	144	224	328	424	504	600	680	776	872
6	328	176	256	392	504	600	712	808	936	1032
7	104	224	328	472	584	712	840	968	1096	1224
8	120	256	392	536	680	808	968	1096	1256	1384
9	136	296	456	616	776	936	1096	1256	1416	1544
10	144	328	504	680	872	1032	1224	1384	1544	1736
11	176	376	584	776	1000	1192	1384	1608	1800	2024

TABLE 1-continued

Layer-1 data transport block size table in LTE REL.8

12	208	440	680	904	1128	1352	1608	1800	2024	2280
13	224	488	744	1000	1256	1544	1800	2024	2280	2536
14	256	552	840	1128	1416	1736	1992	2280	2600	2856
15	280	600	904	1224	1544	1800	2152	2472	2728	3112
16	328	632	968	1288	1608	1928	2280	2600	2984	3240
17	336	696	1064	1416	1800	2152	2536	2856	3240	3624
18	376	776	1160	1544	1992	2344	2792	3112	3624	4008
19	408	840	1288	1736	2152	2600	2984	3496	3880	4264
20	440	904	1384	1864	2344	2792	3240	3752	4136	4584
21	488	1000	1480	1992	2472	2984	3496	4008	4584	4968
22	520	1064	1608	2152	2664	3240	3752	4264	4776	5352
23	552	1128	1736	2280	2856	3496	4008	4584	5160	5736
24	584	1192	1800	2408	2984	3624	4264	4968	5544	5992
25	616	1256	1864	2536	3112	3752	4392	5160	5736	6200
26	712	1480	2216	2984	3752	4392	5160	5992	6712	7480

	NPRB									
ITBS	11	12	13	14	15	16	17	18	19	20
0	288	328	344	376	392	424	456	488	504	536
1	376	424	456	488	520	568	600	632	680	712
2	472	520	568	616	648	696	744	776	840	872
3	616	680	744	808	872	904	968	1032	1096	1160
4	776	840	904	1000	1064	1128	1192	1288	1352	1416
5	968	1032	1128	1224	1320	1384	1480	1544	1672	1736
6	1128	1224	1352	1480	1544	1672	1736	1864	1992	2088
7	1320	1480	1608	1672	1800	1928	2088	2216	2344	2472
8	1544	1672	1800	1928	2088	2216	2344	2536	2664	2792
9	1736	1864	2024	2216	2344	2536	2664	2856	2984	3112
10	1928	2088	2280	2472	2664	2792	2984	3112	3368	3496
11	2216	2408	2600	2792	2984	3240	3496	3624	3880	4008
12	2472	2728	2984	3240	3368	3624	3880	4136	4392	4584
13	2856	3112	3368	3624	3880	4136	4392	4584	4968	5160
14	3112	3496	3752	4008	4264	4584	4968	5160	5544	5736
15	3368	3624	4008	4264	4584	4968	5160	5544	5736	6200
16	3624	3880	4264	4584	4968	5160	5544	5992	6200	6456
17	4008	4392	4776	5160	5352	5736	6200	6456	6712	7224
18	4392	4776	5160	5544	5992	6200	6712	7224	7480	7992
19	4776	5160	5544	5992	6456	6968	7224	7736	8248	8504
20	5160	5544	5992	6456	6968	7480	7992	8248	8760	9144
21	5544	5992	6456	6968	7480	7992	8504	9144	9528	9912
22	5992	6456	6968	7480	7992	8504	9144	9528	10296	10680
23	6200	6968	7480	7992	8504	9144	9912	10296	11064	11448
24	6712	7224	7992	8504	9144	9912	10296	11064	11448	12216
25	6968	7480	8248	8760	9528	10296	10680	11448	12216	12576
26	8248	8760	9528	10296	11064	11832	12576	13536	14112	14688

	NPRB									
ITBS	21	22	23	24	25	26	27	28	29	30
0	568	600	616	648	680	712	744	776	776	808
1	744	776	808	872	904	936	968	1000	1032	1064
2	936	968	1000	1064	1096	1160	1192	1256	1288	1320
3	1224	1256	1320	1384	1416	1480	1544	1608	1672	1736
4	1480	1544	1608	1736	1800	1864	1928	1992	2088	2152
5	1864	1928	2024	2088	2216	2280	2344	2472	2536	2664
6	2216	2280	2408	2472	2600	2728	2792	2984	2984	3112
7	2536	2664	2792	2984	3112	3240	3368	3368	3496	3624
8	2984	3112	3240	3368	3496	3624	3752	3880	4008	4264
9	3368	3496	3624	3752	4008	4136	4264	4392	4584	4776
10	3752	3880	4008	4264	4392	4584	4776	4968	5160	5352
11	4264	4392	4584	4776	4968	5352	5544	5736	5992	5992
12	4776	4968	5352	5544	5736	5992	6200	6456	6712	6712
13	5352	5736	5992	6200	6456	6712	6968	7224	7480	7736
14	5992	6200	6456	6968	7224	7480	7736	7992	8248	8504
15	6456	6712	6968	7224	7736	7992	8248	8504	8760	9144
16	6712	7224	7480	7736	7992	8504	8760	9144	9528	9912
17	7480	7992	8248	8760	9144	9528	9912	10296	10296	10680
18	8248	8760	9144	9528	9912	10296	10680	11064	11448	11832
19	9144	9528	9912	10296	10680	11064	11448	12216	12576	12960
20	9912	10296	10680	11064	11448	12216	12576	12960	13536	14112
21	10680	11064	11448	12216	12576	12960	13536	14112	14688	15264
22	11448	11832	12576	12960	13536	14112	14688	15264	15840	16416
23	12216	12576	12960	13536	14112	14688	15264	15840	16416	16992
24	12960	13536	14112	14688	15264	15840	16416	16992	17568	18336
25	13536	14112	14688	15264	15840	16416	16992	17568	18336	19080

TABLE 1-continued

Layer-1 data transport block size table in LTE REL.8

26	15264	16416	16992	17568	18336	19080	19848	20616	21384	22152

	NPRB									
ITBS	31	32	33	34	35	36	37	38	39	40
0	840	872	904	936	968	1000	1032	1032	1064	1096
1	1128	1160	1192	1224	1256	1288	1352	1384	1416	1416
2	1384	1416	1480	1544	1544	1608	1672	1672	1736	1800
3	1800	1864	1928	1992	2024	2088	2152	2216	2280	2344
4	2216	2280	2344	2408	2472	2600	2664	2728	2792	2856
5	2728	2792	2856	2984	3112	3112	3240	3368	3496	3496
6	3240	3368	3496	3496	3624	3752	3880	4008	4136	4136
7	3752	3880	4008	4136	4264	4392	4584	4584	4776	4968
8	4392	4584	4584	4776	4968	4968	5160	5352	5544	5544
9	4968	5160	5160	5352	5544	5736	5736	5992	6200	6200
10	5544	5736	5736	5992	6200	6200	6456	6712	6712	6968
11	6200	6456	6712	6968	6968	7224	7480	7736	7736	7992
12	6968	7224	7480	7736	7992	8248	8504	8760	8760	9144
13	7992	8248	8504	8760	9144	9144	9528	9912	9912	10296
14	8760	9144	9528	9912	9912	10296	10680	11064	11064	11448
15	9528	9912	10296	10296	10680	11064	11448	11832	11832	12216
16	9912	10296	10680	11064	11448	11832	12216	12216	12576	12960
17	11064	11448	11832	12216	12576	12960	13536	13536	14112	14688
18	12216	12576	12960	13536	14112	14112	14688	15264	15264	15840
19	13536	13536	14112	14688	15264	15264	15840	16416	16992	16992
20	14688	14688	15264	15840	16416	16992	16992	17568	18336	18336
21	15840	15840	16416	16992	17568	18336	18336	19080	19848	19848
22	16992	16992	17568	18336	19080	19080	19848	20616	21384	21384
23	17568	18336	19080	19848	19848	20616	21384	22152	22152	22920
24	19080	19848	19848	20616	21384	22152	22920	22920	23688	24496
25	19848	20616	20616	21384	22152	22920	23688	24496	24496	25456
26	22920	23688	24496	25456	25456	26416	27376	28336	29296	29296

	NPRB									
ITBS	41	42	43	44	45	46	47	48	49	50
0	1128	1160	1192	1224	1256	1256	1288	1320	1352	1384
1	1480	1544	1544	1608	1608	1672	1736	1736	1800	1800
2	1800	1864	1928	1992	2024	2088	2088	2152	2216	2216
3	2408	2472	2536	2536	2600	2664	2728	2792	2856	2856
4	2984	2984	3112	3112	3240	3240	3368	3496	3496	3624
5	3624	3752	3752	3880	4008	4008	4136	4264	4392	4392
6	4264	4392	4584	4584	4776	4776	4968	4968	5160	5160
7	4968	5160	5352	5352	5544	5736	5736	5992	5992	6200
8	5736	5992	5992	6200	6200	6456	6456	6712	6968	6968
9	6456	6712	6712	6968	6968	7224	7480	7480	7736	7992
10	7224	7480	7480	7736	7992	7992	8248	8504	8504	8760
11	8248	8504	8760	8760	9144	9144	9528	9528	9912	9912
12	9528	9528	9912	9912	10296	10680	10680	11064	11064	11448
13	10680	10680	11064	11448	11448	11832	12216	12216	12576	12960
14	11832	12216	12216	12576	12960	12960	13536	13536	14112	14112
15	12576	12960	12960	13536	13536	14112	14688	14688	15264	15264
16	13536	13536	14112	14112	14688	14688	15264	15840	15840	16416
17	14688	15264	15264	15840	16416	16416	16992	17568	17568	18336
18	16416	16416	16992	17568	17568	18336	18336	19080	19080	19848
19	17568	18336	18336	19080	19080	19848	20616	20616	21384	21384
20	19080	19848	19848	20616	20616	21384	22152	22152	22920	22920
21	20616	21384	21384	22152	22920	22920	23688	24496	24496	25456
22	22152	22920	22920	23688	24496	24496	25456	25456	26416	27376
23	23688	24496	24496	25456	25456	26416	27376	27376	28336	28336
24	25456	25456	26416	26416	27376	28336	28336	29296	29296	30576
25	26416	26416	27376	28336	28336	29296	29296	30576	31704	31704
26	30576	30576	31704	32856	32856	34008	35160	35160	36696	36696

	NPRB									
ITBS	51	52	53	54	55	56	57	58	59	60
0	1416	1416	1480	1480	1544	1544	1608	1608	1608	1672
1	1864	1864	1928	1992	1992	2024	2088	2088	2152	2152
2	2280	2344	2344	2408	2472	2536	2536	2600	2664	2664
3	2984	2984	3112	3112	3240	3240	3368	3368	3496	3496
4	3624	3752	3752	3880	4008	4008	4136	4136	4264	4264
5	4584	4584	4776	4776	4776	4968	4968	5160	5160	5352
6	5352	5352	5544	5736	5736	5992	5992	5992	6200	6200
7	6200	6456	6456	6712	6712	6712	6968	6968	7224	7224

TABLE 1-continued

Layer-1 data transport block size table in LTE REL.8

8	7224	7224	7480	7480	7736	7736	7992	7992	8248	8504
9	7992	8248	8248	8504	8760	8760	9144	9144	9144	9528
10	9144	9144	9144	9528	9528	9912	9912	10296	10296	10680
11	10296	10680	10680	11064	11064	11448	11448	11832	11832	12216
12	11832	11832	12216	12216	12576	12576	12960	12960	13536	13536
13	12960	13536	13536	14112	14112	14688	14688	14688	15264	15264
14	14688	14688	15264	15264	15840	15840	16416	16416	16992	16992
15	15840	15840	16416	16416	16992	16992	17568	17568	18336	18336
16	16416	16992	16992	17568	17568	18336	18336	19080	19080	19848
17	18336	19080	19080	19848	19848	20616	20616	20616	21384	21384
18	19848	20616	21384	21384	22152	22152	22920	22920	23688	23688
19	22152	22152	22920	22920	23688	24496	24496	25456	25456	25456
20	23688	24496	24496	25456	25456	26416	26416	27376	27376	28336
21	25456	26416	26416	27376	27376	28336	28336	29296	29296	30576
22	27376	28336	28336	29296	29296	30576	30576	31704	31704	32856
23	29296	29296	30576	30576	31704	31704	32856	32856	34008	34008
24	31704	31704	32856	32856	34008	34008	35160	35160	36696	36696
25	32856	32856	34008	34008	35160	35160	36696	36696	37888	37888
26	37888	37888	39232	40576	40576	40576	42368	42368	43816	43816

	NPRB									
ITBS	61	62	63	64	65	66	67	68	69	70
0	1672	1736	1736	1800	1800	1800	1864	1864	1928	1928
1	2216	2280	2280	2344	2344	2408	2472	2472	2536	2536
2	2728	2792	2856	2856	2856	2984	2984	3112	3112	3112
3	3624	3624	3624	3752	3752	3880	3880	4008	4008	4136
4	4392	4392	4584	4584	4584	4776	4776	4968	4968	4968
5	5352	5544	5544	5736	5736	5736	5992	5992	5992	6200
6	6456	6456	6456	6712	6712	6968	6968	6968	7224	7224
7	7480	7480	7736	7736	7992	7992	8248	8248	8504	8504
8	8504	8760	8760	9144	9144	9144	9528	9528	9528	9912
9	9528	9912	9912	10296	10296	10296	10680	10680	11064	11064
10	10680	11064	11064	11448	11448	11448	11832	11832	12216	12216
11	12216	12576	12576	12960	12960	13536	13536	13536	14112	14112
12	14112	14112	14112	14688	14688	15264	15264	15264	15840	15840
13	15840	15840	16416	16416	16992	16992	16992	17568	17568	18336
14	17568	17568	18336	18336	18336	19080	19080	19848	19848	19848
15	18336	19080	19080	19848	19848	20616	20616	20616	21384	21384
16	19848	19848	20616	20616	21384	21384	22152	22152	22152	22920
17	22152	22152	22920	22920	23688	23688	24496	24496	24496	25456
18	24496	24496	24496	25456	25456	26416	26416	27376	27376	27376
19	26416	26416	27376	27376	28336	28336	29296	29296	29296	30576
20	28336	29296	29296	29296	30576	30576	31704	31704	31704	32856
21	30576	31704	31704	31704	32856	32856	34008	34008	35160	35160
22	32856	34008	34008	34008	35160	35160	36696	36696	36696	37888
23	35160	35160	36696	36696	37888	37888	37888	39232	39232	40576
24	36696	37888	37888	39232	39232	40576	40576	42368	42368	42368
25	39232	39232	40576	40576	40576	42368	42368	43816	43816	43816
26	45352	45352	46888	46888	48936	48936	48936	51024	51024	52752

	NPRB									
ITBS	71	72	73	74	75	76	77	78	79	80
0	1992	1992	2024	2088	2088	2088	2152	2152	2216	2216
1	2600	2600	2664	2728	2728	2792	2792	2856	2856	2856
2	3240	3240	3240	3368	3368	3368	3496	3496	3496	3624
3	4136	4264	4264	4392	4392	4392	4584	4584	4584	4776
4	5160	5160	5160	5352	5352	5544	5544	5544	5736	5736
5	6200	6200	6456	6456	6712	6712	6712	6968	6968	6968
6	7480	7480	7736	7736	7736	7992	7992	8248	8248	8248
7	8760	8760	8760	9144	9144	9144	9528	9528	9528	9912
8	9912	9912	10296	10296	10680	10680	10680	11064	11064	11064
9	11064	11448	11448	11832	11832	11832	12216	12216	12576	12576
10	12576	12576	12960	12960	12960	13536	13536	13536	14112	14112
11	14112	14688	14688	14688	15264	15264	15840	15840	15840	16416
12	16416	16416	16416	16992	16992	17568	17568	17568	18336	18336
13	18336	18336	19080	19080	19080	19848	19848	19848	20616	20616
14	20616	20616	20616	21384	21384	22152	22152	22152	22920	22920
15	22152	22152	22152	22920	22920	23688	23688	23688	24496	24496
16	22920	23688	23688	24496	24496	24496	25456	25456	25456	26416
17	25456	26416	26416	26416	27376	27376	27376	28336	28336	29296
18	28336	28336	29296	29296	29296	30576	30576	30576	31704	31704
19	30576	30576	31704	31704	32856	32856	32856	34008	34008	34008
20	32856	34008	34008	34008	35160	35160	35160	36696	36696	36696
21	35160	36696	36696	36696	37888	37888	39232	39232	39232	40576

TABLE 1-continued

Layer-1 data transport block size table in LTE REL.8

22	37888	39232	39232	40576	40576	40576	42368	42368	42368	43816
23	40576	40576	42368	42368	43816	43816	43816	45352	45352	45352
24	43816	43816	45352	45352	45352	46888	46888	46888	48936	48936
25	45352	45352	46888	46888	46888	48936	48936	48936	51024	51024
26	52752	52752	55056	55056	55056	55056	57336	57336	57336	59256

	NPRB									
ITBS	81	82	83	84	85	86	87	88	89	90
0	2280	2280	2280	2344	2344	2408	2408	2472	2472	2536
1	2984	2984	2984	3112	3112	3112	3240	3240	3240	3240
2	3624	3624	3752	3752	3880	3880	3880	4008	4008	4008
3	4776	4776	4776	4968	4968	4968	5160	5160	5160	5352
4	5736	5992	5992	5992	5992	6200	6200	6200	6456	6456
5	7224	7224	7224	7480	7480	7480	7736	7736	7736	7992
6	8504	8504	8760	8760	8760	9144	9144	9144	9144	9528
7	9912	9912	10296	10296	10296	10680	10680	10680	11064	11064
8	11448	11448	11448	11832	11832	12216	12216	12216	12576	12576
9	12960	12960	12960	13536	13536	13536	13536	14112	14112	14112
10	14112	14688	14688	14688	14688	15264	15264	15264	15840	15840
11	16416	16416	16992	16992	16992	17568	17568	17568	18336	18336
12	18336	19080	19080	19080	19080	19848	19848	19848	20616	20616
13	20616	21384	21384	21384	22152	22152	22152	22920	22920	22920
14	22920	23688	23688	24496	24496	24496	25456	25456	25456	25456
15	24496	25456	25456	25456	26416	26416	26416	27376	27376	27376
16	26416	26416	27376	27376	27376	28336	28336	28336	29296	29296
17	29296	29296	30576	30576	30576	30576	31704	31704	31704	32856
18	31704	32856	32856	32856	34008	34008	34008	35160	35160	35160
19	35160	35160	35160	36696	36696	36696	37888	37888	37888	39232
20	37888	37888	39232	39232	39232	40576	40576	40576	42368	42368
21	40576	40576	42368	42368	42368	43816	43816	43816	45352	45352
22	43816	43816	45352	45352	45352	46888	46888	46888	48936	48936
23	46888	46888	46888	48936	48936	48936	51024	51024	51024	51024
24	48936	51024	51024	51024	52752	52752	52752	52752	55056	55056
25	51024	52752	52752	52752	55056	55056	55056	55056	57336	57336
26	59256	59256	61664	61664	61664	63776	63776	63776	66592	66592

	NPRB									
ITBS	91	92	93	94	95	96	97	98	99	100
0	2536	2536	2600	2600	2664	2664	2728	2728	2728	2792
1	3368	3368	3368	3496	3496	3496	3496	3624	3624	3624
2	4136	4136	4136	4264	4264	4264	4392	4392	4392	4584
3	5352	5352	5352	5544	5544	5544	5736	5736	5736	5736
4	6456	6456	6712	6712	6712	6968	6968	6968	6968	7224
5	7992	7992	8248	8248	8248	8504	8504	8760	8760	8760
6	9528	9528	9528	9912	9912	9912	10296	10296	10296	10296
7	11064	11448	11448	11448	11448	11832	11832	11832	12216	12216
8	12576	12960	12960	12960	13536	13536	13536	13536	14112	14112
9	14112	14688	14688	14688	15264	15264	15264	15264	15840	15840
10	15840	16416	16416	16416	16992	16992	16992	16992	17568	17568
11	18336	18336	19080	19080	19080	19080	19848	19848	19848	19848
12	20616	21384	21384	21384	21384	22152	22152	22152	22920	22920
13	23688	23688	23688	24496	24496	24496	25456	25456	25456	25456
14	26416	26416	26416	27376	27376	27376	28336	28336	28336	28336
15	28336	28336	28336	29296	29296	29296	29296	30576	30576	30576
16	29296	30576	30576	30576	30576	31704	31704	31704	31704	32856
17	32856	32856	34008	34008	34008	35160	35160	35160	35160	36696
18	36696	36696	36696	37888	37888	37888	37888	39232	39232	39232
19	39232	39232	40576	40576	40576	40576	42368	42368	42368	43816
20	42368	42368	43816	43816	43816	45352	45352	45352	46888	46888
21	45352	46888	46888	46888	46888	48936	48936	48936	48936	51024
22	48936	48936	51024	51024	51024	51024	52752	52752	52752	55056
23	52752	52752	52752	55056	55056	55056	55056	57336	57336	57336
24	55056	57336	57336	57336	57336	59256	59256	59256	61664	61664
25	57336	59256	59256	59256	61664	61664	61664	61664	63776	63776
26	66592	68808	68808	68808	71112	71112	71112	73712	73712	75376

	NPRB									
ITBS	101	102	103	104	105	106	107	108	109	110
0	2792	2856	2856	2856	2984	2984	2984	2984	2984	3112
1	3752	3752	3752	3752	3880	3880	3880	4008	4008	4008
2	4584	4584	4584	4584	4776	4776	4776	4776	4968	4968
3	5992	5992	5992	5992	6200	6200	6200	6200	6456	6456

TABLE 1-continued

Layer-1 data transport block size table in LTE REL.8

4	7224	7224	7480	7480	7480	7480	7736	7736	7736	7992
5	8760	9144	9144	9144	9144	9528	9528	9528	9528	9528
6	10680	10680	10680	10680	11064	11064	11064	11448	11448	11448
7	12216	12576	12576	12576	12960	12960	12960	12960	13536	13536
8	14112	14112	14688	14688	14688	14688	15264	15264	15264	15264
9	15840	16416	16416	16416	16416	16992	16992	16992	16992	17568
10	17568	18336	18336	18336	18336	18336	19080	19080	19080	19080
11	20616	20616	20616	21384	21384	21384	21384	22152	22152	22152
12	22920	23688	23688	23688	23688	24496	24496	24496	24496	25456
13	26416	26416	26416	26416	27376	27376	27376	27376	28336	28336
14	29296	29296	29296	29296	30576	30576	30576	30576	31704	31704
15	30576	31704	31704	31704	31704	32856	32856	32856	34008	34008
16	32856	32856	34008	34008	34008	34008	35160	35160	35160	35160
17	36696	36696	36696	37888	37888	37888	39232	39232	39232	39232
18	40576	40576	40576	40576	42368	42368	42368	42368	43816	43816
19	43816	43816	43816	45352	45352	45352	46888	46888	46888	46888
20	46888	46888	48936	48936	48936	48936	48936	51024	51024	51024
21	51024	51024	51024	52752	52752	52752	52752	55056	55056	55056
22	55056	55056	55056	57336	57336	57336	57336	59256	59256	59256
23	57336	59256	59256	59256	59256	61664	61664	61664	61664	63776
24	61664	61664	63776	63776	63776	63776	66592	66592	66592	66592
25	63776	63776	66592	66592	66592	66592	68808	68808	68808	71112
26	75376	75376	75376	75376	75376	75376	75376	75376	75376	75376

In the first transport block size table, N_{PRB} represents the number of physical resource block pairs, I_{TBS} represents a TBS index value, and an element in the table represents a transport block size TBS.

A TBS included in the maximum modulation and coding scheme level in the first transport block size table may be a TBS corresponding to the set coding rate, and all TBSs corresponding to the set coding rate may be included in all TBSs corresponding to I_{TBS} of 0 to 25 in the foregoing Table 1, as shown in Table 2-1; or TBSs corresponding to the set coding rate may further be included in all TBSs corresponding to I_{TBS} of 0 to 25 in the foregoing Table 1 or be included in a layer-2 data transport block size table, as shown in Table 2-2; or, none of TBSs corresponding to the set coding rate or some of TBSs corresponding to the set coding rate may be included in all TBSs corresponding to I_{TBS} of 0 to 25 in the foregoing Table 1 or be included in the layer-2 data transport block size table, as shown in Table 2-3.

TABLE 2-1

Layer-1 data transport block size table for optimizing TBSs included in the maximum modulation and coding scheme level in LTE REL.8

	NPRB									
ITBS	1	2	3	4	5	6	7	8	9	10
26	840	1672	2536	3368	4264	5160	5992	6712	7736	8504
	NPRB									
ITBS	11	12	13	14	15	16	17	18	19	20
26	9144	10296	11064	11832	12960	13536	14688	15264	16416	16992
	NPRB									
ITBS	21	22	23	24	25	26	27	28	29	30
26	17568	18336	19848	20616	21384	22152	22920	23688	24496	25456
	NPRB									
ITBS	31	32	33	34	35	36	37	38	39	40
26	26416	27376	28336	29296	29296	30576	31704	32856	32856	34008
	NPRB									
ITBS	41	42	43	44	45	46	47	48	49	50
26	35160	35160	36696	37888	37888	39232	40576	40576	42368	42368

TABLE 2-1-continued

Layer-1 data transport block size table for optimizing TBSs included in the maximum modulation and coding scheme level in LTE REL.8

	NPRB									
ITBS	51	52	53	54	55	56	57	58	59	60
26	43816	43816	45352	45352	46888	46888	48936	48936	51024	51024
	NPRB									
ITBS	61	62	63	64	65	66	67	68	69	70
26	52752	52752	52752	55056	55056	55056	57336	57336	59256	59256
	NPRB									
ITBS	71	72	73	74	75	76	77	78	79	80
26	59256	61664	61664	63776	63776	63776	66592	66592	66592	68808
	NPRB									
ITBS	81	82	83	84	85	86	87	88	89	90
26	68808	68808	71112	71112	71112	73712	75376	75376	75376	75376
	NPRB									
ITBS	91	92	93	94	95	96	97	98	99	100
26	75376	75376	75376	75376	75376	75376	75376	75376	75376	75376
	NPRB									
ITBS	101	102	103	104	105	106	107	108	109	110
26	75376	75376	75376	75376	75376	75376	75376	75376	75376	75376

TABLE 2-2

Layer-1 data transport block size table for optimizing TBSs included in the maximum modulation and coding scheme level in LTE REL.8

	NPRB									
ITBS	1	2	3	4	5	6	7	8	9	10
26	840	1672	2536	3368	4264	5160	5992	6712	7736	8504
	NPRB									
ITBS	11	12	13	14	15	16	17	18	19	20
26	9144	10296	11064	11832	12960	13536	14688	15264	16416	16992
	NPRB									
ITBS	21	22	23	24	25	26	27	28	29	30
26	17568	18336	19848	20616	21384	22152	22920	23688	24496	25456
	NPRB									
ITBS	31	32	33	34	35	36	37	38	39	40
26	26416	27376	28336	29296	29296	30576	31704	32856	32856	34008
	NPRB									
ITBS	41	42	43	44	45	46	47	48	49	50
26	35160	35160	36696	37888	37888	39232	40576	40576	42368	42368

TABLE 2-2-continued

Layer-1 data transport block size table for optimizing TBSs included in the maximum modulation and coding scheme level in LTE REL.8

	NPRB									
ITBS	51	52	53	54	55	56	57	58	59	60
26	43816	43816	45352	45352	46888	46888	48936	48936	51024	51024
	NPRB									
ITBS	61	62	63	64	65	66	67	68	69	70
26	52752	52752	52752	55056	55056	55056	57336	57336	59256	59256
	NPRB									
ITBS	71	72	73	74	75	76	77	78	79	80
26	59256	61664	61664	63776	63776	63776	66592	66592	66592	68808
	NPRB									
ITBS	81	82	83	84	85	86	87	88	89	90
26	68808	68808	71112	71112	71112	73712	75376	76208	76208	76208
	NPRB									
ITBS	91	92	93	94	95	96	97	98	99	100
26	78704	78704	78704	81176	81176	81176	81176	84760	84760	84760
	NPRB									
ITBS	101	102	103	104	105	106	107	108	109	110
26	84760	87936	87936	87936	90816	90816	90816	90816	93800	93800

TABLE 2-3

Layer-1 data transport block size table for optimizing TBSs included in the maximum modulation and coding scheme level in LTE REL.8

	NPRB									
ITBS	1	2	3	4	5	6	7	8	9	10
26	840	1704	2536	3432	4328	5160	6056	6840	7736	8632
	NPRB									
ITBS	11	12	13	14	15	16	17	18	19	20
26	9400	10296	11192	12088	12960	13728	14688	15456	16416	17184
	NPRB									
ITBS	21	22	23	24	25	26	27	28	29	30
26	18144	18824	19848	20616	21640	22408	23176	24200	24816	25776
	NPRB									
ITBS	31	32	33	34	35	36	37	38	39	40
26	26736	27696	28336	29296	30256	30936	31704	32856	33624	34392
	NPRB									
ITBS	41	42	43	44	45	46	47	48	49	50
26	35160	36312	36992	37888	38784	39680	40576	41472	42368	43304

TABLE 2-3-continued

Layer-1 data transport block size table for optimizing TBSs included in the maximum modulation and coding scheme level in LTE REL.8

	NPRB									
ITBS	51	52	53	54	55	56	57	58	59	60
26	43816	44840	45864	46376	47400	48424	49296	49872	51024	51600
	NPRB									
ITBS	61	62	63	64	65	66	67	68	69	70
26	52752	53328	54480	55056	56056	56696	57976	58616	59256	60536
	NPRB									
ITBS	71	72	73	74	75	76	77	78	79	80
26	61176	62368	63072	63776	64480	65184	66592	67296	68040	68808
	NPRB									
ITBS	81	82	83	84	85	86	87	88	89	90
26	69576	70344	71880	72648	73416	73712	75376	76208	77040	77872
	NPRB									
ITBS	91	92	93	94	95	96	97	98	99	100
26	78704	79536	80280	81176	82072	82968	83864	84760	85656	86016
	NPRB									
ITBS	101	102	103	104	105	106	107	108	109	110
26	86976	87936	88896	89856	90816	91776	91776	92776	93800	94824

In an LTE REL.8 system with a system overhead of 48 resource elements, a coding rate for performing coding on the service data using a TBS in the foregoing Table 2-1, Table 2-2, and Table 2-3 may be an effective coding rate, where the effective coding rate, for example, may be 0.93.

A TBS included in the maximum modulation and coding scheme level in the second transport block size table may further be a TBS corresponding to the set coding rate, where the set coding rate, for example, may be 0.93, so that in an LTE REL.12 system with a system overhead of 12 resource elements, a coding rate corresponding to a TBS included in the maximum modulation and coding scheme level in the second transport block size table is an effective coding rate. In other embodiments, when a requirement of the system for a bit error rate is changed or in other cases, the set coding rate may further be another value, which is not limited herein.

Further, the selecting, by the base station, one transport block size table from the first transport block size table and the second transport block size table may further include selecting, by the base station, one transport block size table from the first transport block size table and the second transport block size table according to a system configuration parameter or a system overhead.

When the base station selects one transport block size table from the first transport block size table and the second transport block size table, the base station may select the first transport block size table or the second transport block size according to the system configuration parameter, further select a TBS in the first transport block size table or the second transport block size table, and perform coding on the service data according to the TBS and transmit the coded service data to the UE.

For example, when the system configuration parameter indicates that control signaling includes a physical downlink control channel, the base station selects the first transport block size table, so that a coding rate when the base station transmits the service data to the UE using the TBS in the first transport block size table is closer to a desired coding rate of the base station, where the desired coding rate may be a coding rate corresponding to the determined modulation and coding scheme level and the determined number of physical resource block pairs in LTE REL.8, or the desired target coding rate may also be an optimized coding rate of the coding rate corresponding to the determined modulation and coding scheme level in LTE REL.8. Table 3 shows the optimized coding rate of the coding rate corresponding to the modulation and coding scheme level in LTE REL.8.

TABLE 3

Optimized coding rate of the coding rate corresponding to the modulation and coding scheme level in LTE REL.8

Modulation and Coding Scheme Level	Coding Rate
0	0.1172
1	0.1533
2	0.1885
3	0.2451
4	0.3008
5	0.3701
6	0.4385
7	0.5137
8	0.5879
9	0.6631
10	0.3316
11	0.3691

TABLE 3-continued

Optimized coding rate of the coding rate corresponding to the modulation and coding scheme level in LTE REL.8	
Modulation and Coding Scheme Level	Coding Rate
12	0.4238
13	0.4785
14	0.54
15	0.6016
16	0.6426
17	0.4284
18	0.4551
19	0.5049
20	0.5537
21	0.6016
22	0.6504
23	0.7021
24	0.7539
25	0.8027
26	0.8525
27	0.8887
28	0.9258

When the system configuration parameter indicates that the control signaling does not include a physical downlink control channel, the base station selects the second transport block size table, so that the coding rate corresponding to the TBS in the second transport block size table and used by the base station is closer to the desired coding rate of the base station.

The base station may further select the first transport block size table or the second transport block size table according to the system overhead. For example, when the system overhead is 48 resource elements, the base station selects the first transport block size table; and when the system overhead is 12 resource elements, the base station selects the second transport block size table.

Optionally, the base station transmits a higher-layer signaling message to the UE, where the higher-layer signaling message carries instruction information that instructs selection of the first transport block size table or the second transport block size table.

The base station may predetermine, according to the system overhead, which transport block size table is suitable for the base station, so that the coding rate reached when the base station transmits the service data using a TBS in the transport block size table is closest to the desired coding rate of the base station. In this case, the higher-layer signaling message that the base station transmits to the UE may carry instruction information that instructs the UE to select the first transport block size table or the second transport block size table, to instruct, using the instruction information, the UE to receive the service data according to the TBS in the first transport block size table or the second transport block size table.

Optionally, the base station sends a downlink control message to the UE, where the downlink control message carries instruction information that instructs selection of the first transport block size table or the second transport block size table, which may increase a speed of the base station in switching between different selections.

Optionally, all TBSs in the second transport block size table may be included in TBSs in the first transport block size table.

Still further, on the basis of the foregoing embodiment, any TBS in the second transport block size table may be a TBS in the first transport block size table, corresponding to a coding rate closest to a target coding rate.

When a TBS is determined in the second transport block size table, the determined TBS value is a TBS in the first transport block size table, and a coding rate corresponding to the determined TBS value in the LTE REL.12 system with the system overhead of 12 resource elements (REs) is closer to the target coding rate than coding rates corresponding to other TBSs in the first transport block size table in the LTE REL.12 system with the system overhead of 12 REs, where the target coding rate may be a coding rate corresponding to the modulation and coding scheme level and the number of physical resource block pairs in LTE REL.8. The second transport block size table in this embodiment may be shown in Table 4.

TABLE 4

Second transport block size table-1										
	NPRB									
ITBS	1	2	3	4	5	6	7	8	9	10
0	24	56	72	120	152	208	224	280	296	336
1	40	72	120	208	224	280	296	344	440	456
2	56	104	208	224	280	336	392	440	488	552
3	56	144	224	280	336	440	520	584	648	744
4	72	152	280	344	440	536	648	712	840	904
5	104	208	296	440	552	648	776	904	1000	1128
6	328	224	336	520	648	776	936	1064	1224	1352
7	144	296	440	616	776	936	1096	1256	1416	1608
8	152	344	520	712	904	1064	1256	1416	1608	1800
9	176	392	600	808	1000	1224	1416	1608	1864	2024
10	208	440	648	904	1128	1352	1608	1800	2024	2280
11	224	504	776	1032	1320	1544	1800	2088	2344	2664
12	280	584	904	1192	1480	1736	2088	2344	2664	2984
13	296	648	968	1320	1608	2024	2344	2664	2984	3240
14	344	712	1096	1480	1864	2280	2600	2984	3368	3752
15	376	776	1192	1608	2024	2344	2792	3240	3496	4008
16	440	840	1256	1672	2088	2536	2984	3368	3880	4264
17	440	904	1384	1864	2344	2792	3240	3752	4264	4776
18	504	1032	1544	2024	2600	3112	3624	4008	4776	5160
19	536	1096	1672	2280	2792	3368	3880	4584	4968	5544
20	584	1192	1800	2408	3112	3624	4264	4968	5352	5992
21	648	1320	1928	2600	3240	3880	4584	5160	5992	6456
22	680	1384	2088	2792	3496	4264	4968	5544	6200	6968
23	712	1480	2280	2984	3752	4584	5160	5992	6712	7480

TABLE 4-continued

Second transport block size table-1

24	776	1544	2344	3112	3880	4776	5544	6456	7224	7736
25	808	1672	2408	3368	4008	4968	5736	6712	7480	7992
26	936	1928	2856	3880	4968	5736	6712	7736	8760	9912

	NPRB									
ITBS	11	12	13	14	15	16	17	18	19	20
0	376	440	456	488	520	552	600	648	648	712
1	488	552	600	648	680	744	776	840	904	936
2	616	680	744	808	840	904	968	1000	1096	1128
3	808	904	968	1064	1128	1192	1256	1352	1416	1544
4	1000	1096	1192	1320	1384	1480	1544	1672	1736	1864
5	1256	1352	1480	1608	1736	1800	1928	2024	2152	2280
6	1480	1608	1736	1928	2024	2152	2280	2408	2600	2728
7	1736	1928	2088	2152	2344	2536	2728	2856	3112	3240
8	2024	2152	2344	2536	2728	2856	3112	3240	3496	3624
9	2280	2408	2664	2856	3112	3240	3496	3752	3880	4008
10	2536	2728	2984	3240	3496	3624	3880	4008	4392	4584
11	2856	3112	3368	3624	3880	4264	4584	4776	4968	5160
12	3240	3496	3880	4264	4392	4776	4968	5352	5736	5992
13	3752	4008	4392	4776	4968	5352	5736	5992	6456	6712
14	4008	4584	4968	5160	5544	5992	6456	6712	7224	7480
15	4392	4776	5160	5544	5992	6456	6712	7224	7480	7992
16	4776	4968	5544	5992	6456	6712	7224	7736	7992	8504
17	5160	5736	6200	6712	6968	7480	7992	8504	8760	9528
18	5736	6200	6712	7224	7736	7992	8760	9528	9912	10296
19	6200	6712	7224	7736	8504	9144	9528	9912	10680	11064
20	6712	7224	7736	8504	9144	9912	10296	10680	11448	11832
21	7224	7736	8504	9144	9912	10296	11064	11832	12216	12960
22	7736	8504	9144	9912	10296	11064	11832	12216	13536	14112
23	7992	9144	9912	10296	11064	11832	12960	13536	14112	14688
24	8760	9528	10296	11064	11832	12960	13536	14112	14688	15840
25	9144	9912	10680	11448	12216	13536	14112	14688	15840	16416
26	10680	11448	12216	13536	14112	15264	16416	17568	18336	19080

	NPRB									
ITBS	21	22	23	24	25	26	27	28	29	30
0	744	776	808	840	904	936	968	1000	1000	1064
1	968	1000	1064	1128	1192	1224	1256	1320	1352	1384
2	1224	1256	1320	1384	1416	1544	1544	1608	1672	1736
3	1608	1672	1736	1800	1864	1928	2024	2088	2152	2280
4	1928	2024	2088	2280	2344	2408	2536	2600	2728	2792
5	2408	2536	2664	2728	2856	2984	3112	3240	3240	3496
6	2856	2984	3112	3240	3368	3496	3624	3880	3880	4008
7	3240	3496	3624	3880	4008	4264	4392	4392	4584	4776
8	3880	4008	4264	4392	4584	4776	4968	4968	5160	5544
9	4392	4584	4776	4968	5160	5352	5544	5736	5992	6200
10	4968	4968	5160	5544	5736	5992	6200	6456	6712	6968
11	5544	5736	5992	6200	6456	6968	7224	7480	7736	7736
12	6200	6456	6968	7224	7480	7736	7992	8504	8760	8760
13	6968	7480	7736	7992	8504	8760	9144	9528	9912	9912
14	7736	7992	8504	9144	9528	9912	9912	10296	10680	11064
15	8504	8760	9144	9528	9912	10296	10680	11064	11448	11832
16	8760	9528	9912	9912	10296	11064	11448	11832	12576	12960
17	9912	10296	10680	11448	11832	12216	12960	13536	13536	14112
18	10680	11448	11832	12576	12960	13536	14112	14112	14688	15264
19	11832	12576	12960	13536	14112	14112	14688	15840	16416	16992
20	12960	13536	14112	14112	14688	15840	16416	16992	17568	18336
21	14112	14112	14688	15840	16416	16992	17568	18336	19080	19848
22	14688	15264	16416	16992	17568	18336	19080	19848	20616	21384
23	15840	16416	16992	17568	18336	19080	19848	20616	21384	22152
24	16992	17568	18336	19080	19848	20616	21384	22152	22920	23688
25	17568	18336	19080	19848	20616	21384	22152	22920	23688	24496
26	19848	21384	22152	22920	23688	24496	25456	26416	27376	28336

	NPRB									
ITBS	31	32	33	34	35	36	37	38	39	40
0	1096	1128	1192	1224	1256	1320	1352	1352	1384	1416
1	1480	1544	1544	1608	1672	1672	1736	1800	1864	1864
2	1800	1864	1928	2024	2024	2088	2152	2152	2280	2344
3	2344	2408	2536	2600	2664	2728	2792	2856	2984	3112
4	2856	2984	3112	3112	3240	3368	3496	3496	3624	3752
5	3496	3624	3752	3880	4008	4008	4264	4392	4584	4584

TABLE 4-continued

Second transport block size table-1

6	4264	4392	4584	4584	4776	4968	4968	5160	5352	5352
7	4968	4968	5160	5352	5544	5736	5992	5992	6200	6456
8	5736	5992	5992	6200	6456	6456	6712	6968	7224	7224
9	6456	6712	6712	6968	7224	7480	7480	7736	7992	7992
10	7224	7480	7480	7736	7992	7992	8504	8760	8760	9144
11	7992	8504	8760	9144	9144	9528	9912	9912	9912	10296
12	9144	9528	9912	9912	10296	10680	11064	11448	11448	11832
13	10296	10680	11064	11448	11832	11832	12576	12960	12960	13536
14	11448	11832	12576	12960	12960	13536	14112	14112	14112	14688
15	12576	12960	13536	13536	14112	14112	14688	15264	15264	15840
16	12960	13536	14112	14112	14688	15264	15840	15840	16416	16992
17	14112	14688	15264	15840	16416	16992	17568	17568	18336	19080
18	15840	16416	16992	17568	18336	18336	19080	19848	19848	20616
19	17568	17568	18336	19080	19848	19848	20616	21384	22152	22152
20	19080	19080	19848	20616	21384	22152	22152	22920	23688	23688
21	20616	20616	21384	22152	22920	23688	23688	24496	25456	25456
22	22152	22152	22920	23688	24496	24496	25456	26416	27376	27376
23	22920	23688	24496	25456	25456	26416	27376	28336	28336	29296
24	24496	25456	25456	26416	27376	28336	29296	29296	30576	31704
25	25456	26416	26416	27376	28336	29296	30576	31704	31704	32856
26	29296	30576	31704	32856	32856	34008	35160	36696	37888	37888

	NPRB									
ITBS	41	42	43	44	45	46	47	48	49	50
0	1480	1544	1544	1608	1608	1672	1672	1736	1736	1800
1	1928	2024	2024	2088	2088	2152	2280	2280	2344	2344
2	2344	2408	2536	2600	2664	2728	2728	2792	2856	2856
3	3112	3240	3240	3368	3368	3496	3496	3624	3752	3752
4	3880	3880	4008	4008	4264	4264	4392	4584	4584	4776
5	4776	4968	4968	4968	5160	5160	5352	5544	5736	5736
6	5544	5736	5992	5992	6200	6200	6456	6456	6712	6712
7	6456	6712	6968	6968	7224	7480	7480	7736	7736	7992
8	7480	7736	7736	7992	7992	8504	8504	8760	9144	9144
9	8504	8760	8760	9144	9144	9528	9912	9912	9912	10296
10	9528	9912	9912	9912	10296	10296	10680	11064	11064	11448
11	10680	11064	11448	11448	11832	11832	12576	12576	12960	12960
12	12576	12216	12960	12960	13536	14112	14112	14112	14112	14688
13	14112	14112	14112	14688	14688	15264	15840	15840	16416	16992
14	15264	15840	15840	16416	16992	16992	17568	17568	18336	18336
15	16416	16992	16992	17568	17568	18336	19080	19080	19848	19848
16	17568	17568	18336	18336	19080	19080	19848	20616	20616	21384
17	19080	19848	19848	20616	21384	21384	22152	22920	22920	23688
18	21384	21384	22152	22920	22920	23688	23688	24496	24496	25456
19	22920	23688	23688	24496	24496	25456	26416	26416	27376	27376
20	24496	25456	25456	26416	26416	27376	28336	28336	29296	29296
21	26416	27376	27376	28336	29296	29296	30576	31704	31704	32856
22	28336	29296	29296	30576	31704	31704	32856	32856	34008	35160
23	30576	31704	31704	32856	32856	34008	35160	35160	36696	36696
24	32856	32856	34008	34008	35160	36696	36696	37888	37888	39232
25	34008	34008	35160	36696	36696	37888	37888	39232	40576	40576
26	39232	39232	40576	42368	42368	43816	45352	45352	46888	46888

	NPRB									
ITBS	51	52	53	54	55	56	57	58	59	60
0	1864	1864	1928	1928	2024	2024	2088	2088	2088	2152
1	2408	2408	2536	2600	2600	2664	2728	2728	2792	2792
2	2984	3112	3112	3112	3240	3240	3240	3368	3496	3496
3	3880	3880	4008	4008	4264	4264	4392	4392	4584	4584
4	4776	4968	4968	4968	5160	5160	5352	5352	5544	5544
5	5992	5992	6200	6200	6200	6456	6456	6712	6712	6968
6	6968	6968	7224	7480	7480	7736	7736	7736	7992	7992
7	7992	8504	8504	8760	8760	8760	9144	9144	9528	9528
8	9528	9528	9912	9912	9912	9912	10296	10296	10680	11064
9	10296	10680	10680	11064	11448	11448	11832	11832	11832	12216
10	11832	11832	11832	12216	12576	12960	12960	13536	13536	14112
11	13536	14112	14112	14112	14112	14688	14688	15264	15264	15840
12	15264	15264	15840	15840	16416	16416	16992	16992	17568	17568
13	16992	17568	17568	18336	18336	19080	19080	19080	19848	19848
14	19080	19080	19848	19848	20616	20616	21384	21384	22152	22152
15	20616	20616	21384	21384	22152	22152	22920	22920	23688	23688
16	21384	22152	22152	22920	22920	23688	23688	24496	24496	25456
17	23688	24496	24496	25456	25456	26416	26416	26416	27376	27376
18	25456	26416	27376	27376	28336	28336	29296	29296	30576	30576
19	28336	28336	29296	29296	30576	31704	31704	32856	32856	32856

TABLE 4-continued

Second transport block size table-1

20	30576	31704	31704	32856	32856	34008	34008	35160	35160	36696
21	32856	34008	34008	35160	35160	36696	36696	37888	37888	39232
22	35160	36696	36696	37888	37888	39232	39232	40576	40576	42368
23	37888	37888	39232	39232	40576	40576	42368	42368	43816	43816
24	40576	40576	42368	42368	43816	43816	45352	45352	46888	46888
25	42368	42368	43816	43816	45352	45352	46888	46888	48936	48936
26	48936	48936	51024	52752	52752	52752	55056	55056	57336	57336

	NPRB									
ITBS	61	62	63	64	65	66	67	68	69	70
0	2152	2280	2280	2344	2344	2344	2408	2408	2536	2536
1	2856	2984	2984	3112	3112	3112	3240	3240	3240	3368
2	3496	3624	3752	3752	3752	3880	3880	4008	4008	4008
3	4776	4776	4776	4968	4968	4968	4968	5160	5160	5352
4	5736	5736	5992	5992	5992	6200	6200	6456	6456	6456
5	6968	7224	7224	7480	7480	7480	7736	7736	7736	7992
6	8504	8504	8504	8760	8760	9144	9144	9144	9528	9528
7	9912	9912	9912	9912	10296	10296	10680	10680	11064	11064
8	11064	11448	11448	11832	11832	11832	12216	12576	12576	12960
9	12216	12960	12960	13536	13536	13536	14112	14112	14112	14112
10	14112	14112	14112	14688	14688	14688	15264	15264	15840	15840
11	15840	16416	16416	16992	16992	17568	17568	17568	18336	18336
12	18336	18336	18336	19080	19080	19848	19848	19848	20616	20616
13	20616	20616	21384	21384	22152	22152	22152	22920	22920	23688
14	22920	22920	23688	23688	23688	24496	24496	25456	25456	25456
15	23688	24496	24496	25456	25456	26416	26416	26416	27376	27376
16	25456	25456	26416	26416	27376	27376	28336	28336	28336	29296
17	28336	28336	29296	29296	30576	30576	31704	31704	31704	32856
18	31704	31704	31704	32856	32856	34008	34008	35160	35160	35160
19	34008	34008	35160	35160	36696	36696	37888	37888	37888	39232
20	36696	37888	37888	37888	39232	39232	40576	40576	40576	42368
21	39232	40576	40576	40576	42368	42368	43816	43816	45352	45352
22	42368	43816	43816	43816	45352	45352	46888	46888	46888	48936
23	45352	45352	46888	46888	48936	48936	48936	51024	51024	52752
24	46888	48936	48936	51024	51024	52752	52752	55056	55056	55056
25	51024	51024	52752	52752	52752	55056	55056	57336	57336	57336
26	59256	59256	61664	61664	63776	63776	63776	66592	66592	68808

	NPRB									
ITBS	71	72	73	74	75	76	77	78	79	80
0	2600	2600	2664	2728	2728	2728	2792	2792	2856	2856
1	3368	3368	3496	3496	3496	3624	3624	3752	3752	3752
2	4264	4264	4264	4392	4392	4392	4584	4584	4584	4776
3	5352	5544	5544	5736	5736	5736	5992	5992	5992	6200
4	6712	6712	6712	6968	6968	7224	7224	7224	7480	7480
5	7992	7992	8504	8504	8760	8760	8760	9144	9144	9144
6	9912	9912	9912	9912	9912	10296	10296	10680	10680	10680
7	11448	11448	11448	11832	11832	11832	12216	12216	12576	12960
8	12960	12960	13536	13536	14112	14112	14112	14112	14112	14112
9	14112	14688	14688	15264	15264	15264	15840	15840	16416	16416
10	16416	16416	16992	16992	16992	17568	17568	17568	18336	18336
11	18336	19080	19080	19080	19848	19848	20616	20616	20616	21384
12	21384	21384	21384	22152	22152	22920	22920	22920	23688	23688
13	23688	23688	24496	24496	24496	25456	25456	25456	26416	26416
14	26416	26416	26416	27376	27376	28336	28336	28336	29296	29296
15	28336	28336	28336	29296	29296	30576	30576	30576	31704	31704
16	29296	30576	30576	31704	31704	31704	32856	32856	32856	34008
17	32856	34008	34008	34008	35160	35160	35160	36696	36696	37888
18	36696	36696	37888	37888	37888	39232	39232	39232	40576	40576
19	39232	39232	40576	40576	42368	42368	42368	43816	43816	43816
20	42368	43816	43816	43816	45352	45352	45352	46888	46888	46888
21	45352	46888	46888	46888	48936	48936	51024	51024	51024	52752
22	48936	51024	51024	52752	52752	52752	55056	55056	55056	57336
23	52752	52752	55056	55056	57336	57336	57336	59256	59256	59256
24	57336	57336	59256	59256	59256	61664	61664	61664	63776	63776
25	59256	59256	61664	61664	61664	63776	63776	63776	66592	66592
26	68808	68808	71112	71112	71112	71112	73712	73712	75376	75376

	NPRB									
ITBS	81	82	83	84	85	86	87	88	89	90
0	2984	2984	2984	3112	3112	3112	3112	3240	3240	3240
1	3880	3880	3880	4008	4008	4008	4264	4264	4264	4264

TABLE 4-continued

Second transport block size table-1

2	4776	4776	4968	4968	4968	4968	4968	5160	5160	5160
3	6200	6200	6200	6456	6456	6456	6712	6712	6712	6968
4	7480	7736	7736	7736	7736	7992	7992	7992	8504	8504
5	9528	9528	9528	9912	9912	9912	9912	9912	9912	10296
6	11064	11064	11448	11448	11448	11832	11832	11832	11832	12216
7	12960	12960	13536	13536	13536	14112	14112	14112	14112	14112
8	14688	14688	14688	15264	15264	15840	15840	15840	16416	16416
9	16992	16992	16992	17568	17568	17568	17568	18336	18336	18336
10	18336	19080	19080	19080	19080	19848	19848	19848	20616	20616
11	21384	21384	22152	22152	22152	22920	22920	22920	23688	23688
12	23688	24496	24496	24496	24496	25456	25456	25456	26416	26416
13	26416	27376	27376	27376	28336	28336	28336	29296	29296	29296
14	29296	30576	30576	31704	31704	31704	32856	32856	32856	32856
15	31704	32856	32856	32856	34008	34008	34008	35160	35160	35160
16	34008	34008	35160	35160	35160	36696	36696	36696	37888	37888
17	37888	37888	39232	39232	39232	39232	40576	40576	40576	42368
18	40576	42368	42368	42368	43816	43816	43816	45352	45352	45352
19	45352	45352	45352	46888	46888	46888	48936	48936	48936	51024
20	48936	48936	51024	51024	51024	52752	52752	52752	55056	55056
21	52752	52752	55056	55056	55056	57336	57336	57336	59256	59256
22	57336	57336	59256	59256	59256	61664	61664	61664	63776	63776
23	61664	61664	61664	63776	63776	63776	66592	66592	66592	66592
24	63776	66592	66592	66592	68808	68808	68808	68808	71112	71112
25	66592	68808	68808	68808	71112	71112	71112	71112	73712	73712
26	75376	75376	75376	75376	75376	75376	75376	75376	75376	75376

	NPRB									
ITBS	91	92	93	94	95	96	97	98	99	100
0	3240	3368	3368	3368	3496	3496	3496	3496	3496	3624
1	4392	4392	4392	4584	4584	4584	4584	4776	4776	4776
2	5352	5352	5352	5544	5544	5544	5736	5736	5736	5992
3	6968	6968	6968	7224	7224	7224	7480	7480	7480	7480
4	8504	8504	8760	8760	8760	9144	9144	9144	9144	9528
5	10296	10296	10680	10680	10680	11064	11064	11448	11448	11448
6	12576	12576	12576	12960	12960	12960	13536	13536	13536	13536
7	14112	14688	14688	14688	14688	15264	15264	15264	15840	15840
8	16416	16992	16992	16992	17568	17568	17568	17568	18336	18336
9	18336	19080	19080	19080	19848	19848	19848	19848	20616	20616
10	20616	21384	21384	21384	22152	22152	22152	22152	22920	22920
11	23688	23688	24496	24496	24496	24496	25456	25456	25456	25456
12	26416	27376	27376	27376	27376	28336	28336	28336	29296	29296
13	30576	30576	30576	31704	31704	31704	32856	32856	32856	32856
14	34008	34008	34008	35160	35160	35160	36696	36696	36696	36696
15	36696	36696	36696	37888	37888	37888	37888	39232	39232	39232
16	37888	39232	39232	39232	39232	40576	40576	40576	40576	42368
17	42368	42368	43816	43816	43816	45352	45352	45352	45352	46888
18	46888	46888	46888	48936	48936	48936	48936	51024	51024	51024
19	51024	51024	52752	52752	52752	52752	55056	55056	55056	57336
20	55056	55056	57336	57336	57336	59256	59256	59256	61664	61664
21	59256	61664	61664	61664	61664	63776	63776	63776	63776	66592
22	63776	63776	66592	66592	66592	66592	68808	68808	68808	71112
23	68808	68808	68808	71112	71112	71112	71112	73712	73712	73712
24	71112	73712	73712	73712	73712	75376	75376	75376	75376	75376
25	73712	75376	75376	75376	75376	75376	75376	75376	75376	75376
26	75376	75376	75376	75376	75376	75376	75376	75376	75376	75376

	NPRB									
ITBS	101	102	103	104	105	106	107	108	109	110
0	3624	3752	3752	3752	3880	3880	3880	3880	3880	4008
1	4968	4968	4968	4968	4968	4968	4968	5160	5160	5160
2	5992	5992	5992	5992	6200	6200	6200	6200	6456	6456
3	7736	7736	7736	7736	7992	7992	7992	7992	8504	8504
4	9528	9528	9912	9912	9912	9912	9912	9912	9912	10296
5	11448	11832	11832	11832	11832	12576	12216	12216	12576	12576
6	14112	14112	14112	14112	14112	14112	14112	14688	14688	14688
7	15840	16416	16416	16416	16992	16992	16992	16992	17568	17568
8	18336	18336	19080	19080	19080	19080	19848	19848	19848	19848
9	20616	21384	21384	21384	21384	22152	22152	22152	22152	22920
10	22920	23688	23688	23688	23688	23688	24496	24496	24496	24496
11	26416	26416	26416	27376	27376	27376	27376	28336	28336	28336
12	29296	30576	30576	30576	30576	31704	31704	31704	31704	32856
13	34008	34008	34008	34008	35160	35160	35160	35160	36696	36696
14	37888	37888	37888	37888	39232	39232	39232	39232	40576	40576
15	39232	40576	40576	40576	40576	42368	42368	42368	43816	43816

TABLE 4-continued

Second transport block size table-1										
16	42368	42368	43816	43816	43816	43816	45352	45352	45352	45352
17	46888	46888	46888	48936	48936	48936	51024	51024	51024	51024
18	52752	52752	52752	52752	55056	55056	55056	55056	57336	57336
19	57336	57336	57336	59256	59256	59256	61664	61664	61664	61664
20	61664	61664	63776	63776	63776	63776	63776	66592	66592	66592
21	66592	66592	66592	68808	68808	68808	68808	71112	71112	71112
22	71112	71112	71112	75376	73712	75376	75376	75376	75376	75376
23	73712	75376	75376	75376	75376	75376	75376	75376	75376	75376
24	75376	75376	75376	75376	75376	75376	75376	75376	75376	75376
25	75376	75376	75376	75376	75376	75376	75376	75376	75376	75376
26	75376	75376	75376	75376	75376	75376	75376	75376	75376	75376

Alternatively, the second transport block size table may be shown in Table 5. When a TBS is determined in the second transport block size table shown in Table 5, the determined TBS value is a TBS in the first transport block size table, and a coding rate corresponding to the determined TBS value in the LTE REL.12 system with the system overhead of 12 REs is closer to the target coding rate than coding rates corresponding to other TBSs in the first transport block size table in the LTE REL.12 system with the system overhead of 12 REs, where the target coding rate may be the optimized coding rate of the coding rate corresponding to the modulation and coding scheme level in LTE REL.8 shown in Table 3.

TABLE 5

Second transport block size table-2										
	NPRB									
ITBS	1	2	3	4	5	6	7	8	9	10
0	16	56	88	120	152	208	224	280	296	344
1	24	72	120	176	208	256	296	344	408	456
2	32	88	152	208	280	328	392	440	504	568
3	56	136	208	280	344	440	504	584	680	744
4	72	152	256	344	440	536	632	712	808	904
5	88	208	328	440	552	680	776	904	1000	1128
6	120	256	392	520	648	808	936	1064	1192	1352
7	136	296	456	616	776	936	1096	1256	1416	1608
8	152	344	520	712	904	1064	1256	1416	1608	1800
9	176	392	600	808	1000	1224	1416	1608	1864	2024
10	208	440	680	904	1128	1352	1608	1800	2024	2280
11	256	504	776	1032	1288	1544	1800	2088	2344	2600
12	280	568	872	1160	1480	1736	2088	2344	2664	2984
13	328	648	1000	1320	1672	1992	2344	2664	2984	3368
14	344	712	1096	1480	1864	2216	2600	2984	3368	3752
15	376	776	1192	1608	1992	2408	2792	3240	3624	4008
16	408	840	1256	1672	2088	2536	2984	3368	3752	4264
17	456	936	1384	1864	2344	2792	3240	3752	4264	4776
18	488	1000	1544	2024	2536	3112	3624	4136	4584	5160
19	536	1096	1672	2216	2792	3368	3880	4392	4968	5544
20	584	1192	1800	2408	2984	3624	4264	4776	5544	5992
21	632	1288	1928	2600	3240	3880	4584	5160	5992	6456
22	680	1384	2088	2792	3496	4264	4968	5544	6200	6968
23	712	1480	2216	2984	3752	4392	5160	5992	6712	7480
24	776	1544	2344	3112	4008	4776	5544	6200	7224	7992
25	808	1608	2472	3240	4136	4968	5736	6456	7480	8248
26	840	1736	2600	3496	4264	5160	5992	6968	7736	8504

	NPRB									
ITBS	11	12	13	14	15	16	17	18	19	20
0	376	408	456	488	520	568	600	632	680	712
1	504	552	600	648	696	744	776	840	872	936
2	616	680	744	808	872	904	968	1032	1096	1160
3	808	904	968	1032	1128	1192	1288	1352	1416	1480
4	1000	1096	1192	1288	1384	1480	1544	1672	1736	1864
5	1256	1352	1480	1608	1736	1800	1928	2024	2152	2280
6	1480	1608	1736	1864	2024	2152	2280	2408	2600	2728
7	1736	1928	2088	2216	2408	2536	2728	2856	2984	3240
8	1992	2152	2344	2536	2728	2856	3112	3240	3496	3624
9	2280	2472	2664	2856	3112	3240	3496	3752	3880	4136
10	2536	2728	2984	3240	3368	3624	3880	4136	4392	4584
11	2856	3112	3368	3624	3880	4264	4392	4776	4968	5352
12	3240	3496	3880	4136	4392	4776	4968	5352	5736	5992
13	3624	4008	4392	4776	4968	5352	5736	5992	6456	6712

TABLE 5-continued

Second transport block size table-2

14	4136	4392	4776	5160	5544	5992	6200	6712	6968	7480
15	4392	4776	5160	5544	5992	6456	6712	7224	7480	7992
16	4584	5160	5544	5992	6200	6712	7224	7480	7992	8504
17	5160	5736	5992	6456	6968	7480	7992	8504	8760	9528
18	5736	6200	6712	7224	7736	8248	8760	9144	9912	10296
19	6200	6712	7224	7736	8248	8760	9528	9912	10680	11064
20	6712	7224	7736	8504	9144	9528	10296	11064	11448	12216
21	7224	7736	8504	9144	9912	10296	11064	11832	12576	12960
22	7736	8504	9144	9912	10680	11064	11832	12576	13536	14112
23	8248	8760	9528	10296	11064	11832	12576	13536	14112	14688
24	8760	9528	10296	11064	11832	12576	13536	14112	15264	15840
25	9144	9912	10680	11448	12216	12960	14112	14688	15840	16416
26	9528	10296	11064	12216	12960	13536	14688	15264	16416	16992

	NPRB									
ITBS	21	22	23	24	25	26	27	28	29	30
0	744	776	808	840	904	936	968	1000	1032	1064
1	968	1032	1064	1128	1160	1224	1256	1320	1352	1416
2	1224	1256	1320	1384	1416	1480	1544	1608	1672	1736
3	1608	1672	1736	1800	1864	1992	2024	2088	2216	2280
4	1928	2024	2152	2216	2344	2408	2536	2600	2728	2792
5	2408	2536	2600	2728	2856	2984	3112	3240	3368	3496
6	2856	2984	3112	3240	3368	3496	3624	3752	3880	4136
7	3368	3496	3624	3880	4008	4136	4264	4392	4584	4776
8	3880	4008	4136	4392	4584	4776	4968	5160	5352	5544
9	4264	4584	4776	4968	5160	5352	5544	5736	5992	6200
10	4776	4968	5352	5544	5736	5992	6200	6456	6712	6712
11	5544	5736	5992	6200	6456	6712	6968	7224	7480	7736
12	6200	6456	6712	6968	7480	7736	7992	8248	8504	8760
13	6968	7224	7736	7992	8248	8760	9144	9528	9528	9912
14	7736	8248	8504	8760	9144	9528	9912	10296	10680	11064
15	8248	8760	9144	9528	9912	10296	10680	11064	11448	11832
16	8760	9144	9912	10296	10680	11064	11448	11832	12216	12576
17	9912	10296	10680	11448	11832	12216	12576	12960	13536	14112
18	10680	11448	11832	12216	12960	13536	14112	14688	14688	15264
19	11832	12216	12960	13536	14112	14688	15264	15840	16416	16992
20	12576	13536	14112	14688	15264	15840	16416	16992	17568	18336
21	13536	14112	15264	15840	16416	16992	17568	18336	19080	19848
22	14688	15264	16416	16992	17568	18336	19080	19848	20616	21384
23	15840	16416	16992	17568	18336	19080	19848	20616	21384	22152
24	16416	17568	18336	19080	19848	20616	21384	22152	22920	23688
25	17568	18336	19080	19848	20616	21384	22152	22920	23688	24496
26	18336	19080	19848	20616	21384	22152	22920	24496	25456	25456

	NPRB									
ITBS	31	32	33	34	35	36	37	38	39	40
0	1096	1160	1192	1224	1256	1288	1320	1352	1416	1416
1	1480	1480	1544	1608	1672	1672	1736	1800	1864	1864
2	1800	1864	1928	1992	2024	2088	2152	2216	2280	2344
3	2344	2408	2472	2600	2664	2728	2792	2856	2984	2984
4	2856	2984	3112	3112	3240	3368	3496	3496	3624	3752
5	3496	3624	3752	3880	4008	4136	4264	4392	4392	4584
6	4264	4392	4584	4584	4776	4968	4968	5160	5352	5544
7	4968	5160	5352	5352	5544	5736	5992	5992	6200	6456
8	5736	5736	5992	6200	6456	6456	6712	6968	6968	7224
9	6456	6456	6712	6968	7224	7480	7480	7736	7992	8248
10	6968	7224	7480	7736	7992	8248	8504	8760	8760	9144
11	8248	8504	8760	8760	9144	9528	9528	9912	10296	10680
12	9144	9528	9912	9912	10296	10680	11064	11448	11448	11832
13	10296	10680	11064	11448	11832	12216	12216	12576	12960	13536
14	11448	11832	12216	12576	12960	13536	13536	14112	14688	14688
15	12216	12576	12960	13536	14112	14112	14688	15264	15264	15840
16	12960	13536	14112	14112	14688	15264	15840	15840	16416	16992
17	14688	15264	15264	15840	16416	16992	17568	17568	18336	19080
18	15840	16416	16992	17568	18336	18336	19080	19848	19848	20616
19	17568	17568	18336	19080	19848	19848	20616	21384	22152	22152
20	19080	19080	19848	20616	21384	22152	22152	22920	23688	24496
21	20616	20616	21384	22152	22920	23688	24496	24496	25456	26416
22	21384	22152	22920	23688	24496	25456	26416	26416	27376	28336
23	22920	23688	24496	25456	26416	27376	27376	28336	29296	29296
24	24496	25456	26416	27376	27376	28336	29296	30576	30576	31704
25	25456	26416	27376	28336	29296	29296	30576	31704	31704	32856
26	26416	27376	28336	29296	30576	30576	31704	32856	34008	34008

TABLE 5-continued

Second transport block size table-2

	NPRB									
ITBS	41	42	43	44	45	46	47	48	49	50
0	1480	1480	1544	1608	1608	1672	1672	1736	1736	1800
1	1928	1992	2024	2088	2152	2152	2216	2280	2344	2344
2	2408	2472	2536	2536	2600	2664	2728	2792	2856	2856
3	3112	3240	3240	3368	3368	3496	3624	3624	3752	3752
4	3880	3880	4008	4136	4136	4264	4392	4392	4584	4584
5	4776	4776	4968	4968	5160	5352	5352	5544	5544	5736
6	5544	5736	5736	5992	6200	6200	6456	6456	6712	6712
7	6456	6712	6712	6968	7224	7224	7480	7736	7736	7992
8	7480	7736	7736	7992	8248	8248	8504	8760	8760	9144
9	8504	8504	8760	9144	9144	9528	9528	9912	9912	10296
10	9528	9528	9912	9912	10296	10680	10680	11064	11064	11448
11	10680	11064	11448	11448	11832	12216	12216	12576	12960	12960
12	12216	12576	12576	12960	13536	13536	14112	14112	14688	14688
13	13536	14112	14112	14688	15264	15264	15840	15840	16416	16992
14	15264	15840	15840	16416	16992	16992	17568	17568	18336	18336
15	16416	16992	16992	17568	17568	18336	19080	19080	19848	19848
16	17568	17568	18336	18336	19080	19848	19848	20616	20616	21384
17	19080	19848	19848	20616	21384	21384	22152	22920	22920	23688
18	21384	21384	22152	22920	22920	23688	24496	24496	25456	25456
19	22920	23688	23688	24496	25456	25456	26416	26416	27376	28336
20	24496	25456	26416	26416	27376	28336	28336	29296	29296	30576
21	26416	27376	28336	28336	29296	30576	30576	31704	31704	32856
22	28336	29296	30576	30576	31704	32856	32856	34008	34008	35160
23	30576	31704	31704	32856	34008	34008	35160	35160	36696	37888
24	32856	32856	34008	35160	35160	36696	37888	37888	39232	39232
25	34008	35160	35160	36696	36696	37888	39232	39232	40576	40576
26	35160	36696	36696	37888	39232	39232	40576	40576	42368	43816

	NPRB									
ITBS	51	52	53	54	55	56	57	58	59	60
0	1864	1864	1928	1928	1992	2024	2088	2088	2152	2152
1	2408	2472	2536	2536	2600	2664	2728	2728	2792	2856
2	2984	2984	3112	3112	3240	3240	3368	3368	3496	3496
3	3880	4008	4008	4136	4136	4264	4392	4392	4392	4584
4	4776	4776	4968	4968	5160	5160	5352	5352	5544	5544
5	5992	5992	5992	6200	6200	6456	6456	6712	6712	6968
6	6968	6968	7224	7224	7480	7480	7736	7736	7992	8248
7	7992	8248	8504	8504	8760	8760	9144	9144	9528	9528
8	9144	9528	9528	9912	9912	10296	10296	10680	10680	11064
9	10296	10680	11064	11064	11448	11448	11832	11832	12216	12216
10	11832	11832	12216	12216	12576	12960	12960	13536	13536	13536
11	13536	13536	14112	14112	14688	14688	15264	15264	15264	15840
12	15264	15264	15840	15840	16416	16416	16992	16992	17568	17568
13	16992	17568	17568	18336	18336	19080	19080	19080	19848	19848
14	19080	19080	19848	19848	20616	20616	21384	21384	22152	22152
15	20616	20616	21384	21384	22152	22152	22920	22920	23688	23688
16	21384	22152	22152	22920	23688	23688	24496	24496	25456	25456
17	23688	24496	24496	25456	25456	26416	26416	27376	27376	28336
18	26416	26416	27376	27376	28336	29296	29296	29296	30576	30576
19	28336	29296	29296	30576	30576	31704	31704	32856	32856	34008
20	30576	31704	31704	32856	32856	34008	34008	35160	35160	36696
21	32856	34008	35160	35160	36696	36696	36696	37888	39232	39232
22	35160	36696	36696	37888	39232	39232	40576	40576	40576	42368
23	37888	39232	39232	40576	40576	42368	42368	43816	43816	45352
24	40576	40576	42368	42368	43816	43816	45352	45352	46888	46888
25	42368	42368	43816	45352	45352	46888	46888	48936	48936	48936
26	43816	45352	45352	46888	46888	48936	48936	51024	51024	51024

	NPRB									
ITBS	61	62	63	64	65	66	67	68	69	70
0	2216	2216	2280	2344	2344	2408	2408	2472	2472	2536
1	2856	2984	2984	2984	3112	3112	3240	3240	3240	3368
2	3624	3624	3624	3752	3752	3880	3880	4008	4008	4136
3	4584	4776	4776	4776	4968	4968	5160	5160	5160	5352
4	5736	5736	5992	5992	5992	6200	6200	6200	6456	6456
5	6968	6968	7224	7224	7480	7480	7736	7736	7992	7992
6	8248	8504	8504	8760	8760	9144	9144	9144	9528	9528
7	9528	9912	9912	10296	10296	10680	10680	10680	11064	11064
8	11064	11448	11448	11832	11832	12216	12216	12216	12576	12576
9	12576	12576	12960	12960	13536	13536	13536	14112	14112	14112

TABLE 5-continued

Second transport block size table-2

10	14112	14112	14688	14688	14688	15264	15264	15840	15840	15840
11	15840	16416	16416	16992	16992	17568	17568	17568	18336	18336
12	18336	18336	18336	19080	19080	19848	19848	19848	20616	20616
13	20616	20616	21384	21384	22152	22152	22152	22920	22920	23688
14	22920	22920	23688	23688	24496	24496	25456	25456	25456	26416
15	24496	24496	25456	25456	25456	26416	26416	27376	27376	28336
16	25456	26416	26416	27376	27376	28336	28336	29296	29296	29296
17	28336	29296	29296	30576	30576	30576	31704	31704	32856	32856
18	31704	31704	32856	32856	34008	34008	34008	35160	35160	36696
19	34008	35160	35160	35160	36696	36696	37888	37888	39232	39232
20	36696	37888	37888	39232	39232	40576	40576	40576	42368	42368
21	39232	40576	40576	42368	42368	43816	43816	43816	45352	45352
22	42368	43816	43816	45352	45352	46888	46888	46888	48936	48936
23	45352	46888	46888	46888	48936	48936	51024	51024	51024	52752
24	48936	48936	51024	51024	51024	52752	52752	55056	55056	55056
25	51024	51024	52752	52752	52752	55056	55056	57336	57336	57336
26	52752	52752	55056	55056	55056	57336	57336	59256	59256	59256

	NPRB									
ITBS	71	72	73	74	75	76	77	78	79	80
0	2600	2600	2664	2664	2728	2728	2792	2856	2856	2856
1	3368	3368	3496	3496	3624	3624	3624	3752	3752	3752
2	4136	4264	4264	4392	4392	4392	4584	4584	4584	4776
3	5352	5544	5544	5544	5736	5736	5992	5992	5992	5992
4	6712	6712	6712	6968	6968	6968	7224	7224	7224	7480
5	8248	8248	8248	8504	8504	8760	8760	8760	9144	9144
6	9528	9912	9912	9912	10296	10296	10296	10680	10680	11064
7	11448	11448	11448	11832	11832	12216	12216	12576	12576	12576
8	12960	12960	13536	13536	13536	14112	14112	14112	14112	14688
9	14688	14688	15264	15264	15264	15840	15840	15840	16416	16416
10	16416	16416	16992	16992	16992	17568	17568	17568	18336	18336
11	18336	19080	19080	19080	19848	19848	20616	20616	20616	21384
12	21384	21384	21384	22152	22152	22920	22920	22920	23688	23688
13	23688	24496	24496	24496	25456	25456	25456	26416	26416	26416
14	26416	26416	27376	27376	28336	28336	28336	29296	29296	29296
15	28336	28336	29296	29296	29296	30576	30576	30576	31704	31704
16	30576	30576	30576	31704	31704	31704	32856	32856	34008	34008
17	32856	34008	34008	35160	35160	35160	36696	36696	36696	37888
18	36696	36696	37888	37888	39232	39232	39232	40576	40576	40576
19	39232	40576	40576	42368	42368	42368	43816	43816	43816	45352
20	42368	43816	43816	45352	45352	45352	46888	46888	46888	48936
21	46888	46888	46888	48936	48936	48936	51024	51024	51024	52752
22	48936	51024	51024	52752	52752	52752	55056	55056	55056	57336
23	52752	52752	55056	55056	55056	57336	57336	59256	59256	59256
24	57336	57336	57336	59256	59256	59256	61664	61664	63776	63776
25	59256	59256	59256	61664	61664	63776	63776	63776	66592	66592
26	61664	61664	63776	63776	63776	66592	66592	66592	68808	68808

	NPRB									
ITBS	81	82	83	84	85	86	87	88	89	90
0	2984	2984	2984	2984	3112	3112	3112	3240	3240	3240
1	3880	3880	4008	4008	4008	4136	4136	4136	4264	4264
2	4776	4776	4776	4968	4968	4968	5160	5160	5160	5352
3	6200	6200	6200	6456	6456	6456	6456	6712	6712	6712
4	7480	7736	7736	7736	7992	7992	7992	8248	8248	8248
5	9144	9528	9528	9528	9912	9912	9912	9912	10296	10296
6	11064	11064	11448	11448	11448	11832	11832	11832	12216	12216
7	12960	12960	12960	13536	13536	13536	14112	14112	14112	14112
8	14688	14688	15264	15264	15264	15840	15840	15840	16416	16416
9	16416	16992	16992	17568	17568	17568	17568	18336	18336	18336
10	18336	19080	19080	19080	19080	19848	19848	19848	20616	20616
11	21384	21384	22152	22152	22152	22920	22920	22920	23688	23688
12	23688	24496	24496	24496	25456	25456	25456	26416	26416	26416
13	27376	27376	27376	28336	28336	29296	29296	29296	29296	30576
14	30576	30576	30576	31704	31704	31704	32856	32856	32856	34008
15	32856	32856	32856	34008	34008	34008	35160	35160	35160	35160
16	34008	35160	35160	35160	36696	36696	36696	37888	37888	37888
17	37888	39232	39232	39232	40576	40576	40576	40576	42368	42368
18	42368	42368	42368	43816	43816	43816	45352	45352	45352	46888
19	45352	45352	46888	46888	46888	48936	48936	48936	48936	51024
20	48936	48936	51024	51024	51024	52752	52752	52752	55056	55056
21	52752	52752	55056	55056	55056	57336	57336	57336	57336	59256
22	57336	57336	59256	59256	59256	59256	61664	61664	61664	63776
23	61664	61664	61664	63776	63776	63776	63776	66592	66592	66592

TABLE 5-continued

Second transport block size table-2

24	63776	63776	66592	66592	66592	68808	68808	68808	71112	71112
25	66592	68808	68808	68808	71112	71112	71112	73712	73712	73712
26	68808	71112	71112	73712	73712	73712	75376	75376	75376	75376

	NPRB									
ITBS	91	92	93	94	95	96	97	98	99	100
0	3240	3368	3368	3368	3496	3496	3496	3496	3624	3624
1	4392	4392	4392	4392	4584	4584	4584	4584	4776	4776
2	5352	5352	5352	5544	5544	5544	5736	5736	5736	5736
3	6968	6968	6968	7224	7224	7224	7224	7480	7480	7480
4	8504	8504	8760	8760	8760	8760	9144	9144	9144	9144
5	10296	10680	10680	10680	11064	11064	11064	11064	11448	11448
6	12216	12576	12576	12576	12960	12960	12960	13536	13536	13536
7	14688	14688	14688	14688	15264	15264	15264	15840	15840	15840
8	16416	16992	16992	16992	17568	17568	17568	17568	18336	18336
9	19080	19080	19080	19080	19848	19848	19848	19848	20616	20616
10	20616	21384	21384	21384	21384	22152	22152	22152	22920	22920
11	23688	24496	24496	24496	25456	25456	25456	25456	26416	26416
12	27376	27376	27376	28336	28336	28336	29296	29296	29296	29296
13	30576	30576	31704	31704	31704	31704	32856	32856	32856	34008
14	34008	34008	35160	35160	35160	35160	36696	36696	36696	37888
15	36696	36696	36696	37888	37888	37888	39232	39232	39232	40576
16	39232	39232	39232	39232	40576	40576	40576	42368	42368	42368
17	42368	43816	43816	43816	45352	45352	45352	45352	46888	46888
18	46888	46888	48936	48936	48936	48936	51024	51024	51024	51024
19	51024	51024	52752	52752	52752	52752	55056	55056	55056	55056
20	55056	55056	57336	57336	57336	57336	59256	59256	59256	61664
21	59256	59256	61664	61664	61664	63776	63776	63776	63776	66592
22	63776	63776	66592	66592	66592	66592	68808	68808	68808	71112
23	68808	68808	68808	71112	71112	71112	73712	73712	73712	75376
24	71112	73712	73712	75376	75376	75376	75376	75376	75376	75376
25	75376	75376	75376	75376	75376	75376	75376	75376	75376	75376
26	75376	75376	75376	75376	75376	75376	75376	75376	75376	75376

	NPRB									
ITBS	101	102	103	104	105	106	107	108	109	110
0	3624	3752	3752	3752	3752	3880	3880	3880	4008	4008
1	4776	4776	4968	4968	4968	4968	5160	5160	5160	5160
2	5992	5992	5992	5992	6200	6200	6200	6200	6456	6456
3	7736	7736	7736	7992	7992	7992	7992	8248	8248	8248
4	9528	9528	9528	9528	9912	9912	9912	9912	10296	10296
5	11448	11832	11832	11832	12216	12216	12216	12216	12576	12576
6	13536	14112	14112	14112	14112	14688	14688	14688	14688	14688
7	15840	16416	16416	16416	16992	16992	16992	16992	17568	17568
8	18336	18336	19080	19080	19080	19080	19848	19848	19848	19848
9	20616	20616	21384	21384	21384	22152	22152	22152	22152	22920
10	22920	23688	23688	23688	23688	24496	24496	24496	24496	25456
11	26416	26416	27376	27376	27376	28336	28336	28336	28336	29296
12	30576	30576	30576	30576	31704	31704	31704	31704	32856	32856
13	34008	34008	34008	35160	35160	35160	35160	36696	36696	36696
14	37888	37888	37888	39232	39232	39232	40576	40576	40576	40576
15	40576	40576	40576	42368	42368	42368	42368	43816	43816	43816
16	42368	43816	43816	43816	43816	45352	45352	45352	46888	46888
17	46888	48936	48936	48936	48936	48936	51024	51024	51024	51024
18	52752	52752	52752	52752	55056	55056	55056	55056	57336	57336
19	57336	57336	57336	59256	59256	59256	59256	61664	61664	61664
20	61664	61664	61664	63776	63776	63776	63776	66592	66592	66592
21	66592	66592	66592	68808	68808	68808	71112	71112	71112	71112
22	71112	71112	71112	73712	73712	73712	75376	75376	75376	75376
23	75376	75376	75376	75376	75376	75376	75376	75376	75376	75376
24	75376	75376	75376	75376	75376	75376	75376	75376	75376	75376
25	75376	75376	75376	75376	75376	75376	75376	75376	75376	75376
26	75376	75376	75376	75376	75376	75376	75376	75376	75376	75376

Further, the foregoing Table 4 and Table 5 may be optimized to form optimized second transport block size tables 4-1 and 5-1, so that coding rates corresponding to all TBSs included in a maximum modulation and coding scheme level in the optimized second transport block size tables are equal to a set coding rate, where the set coding rate, for example, may be 0.93.

TABLE 4-1

Optimized second transport block size table-1

	NPRB									
ITBS	1	2	3	4	5	6	7	8	9	10
26	840	1672	2536	3368	4264	5160	5992	6712	7736	8504
	NPRB									
ITBS	11	12	13	14	15	16	17	18	19	20
26	9144	10296	11064	11832	12960	13536	14688	15264	16416	16992
	NPRB									
ITBS	21	22	23	24	25	26	27	28	29	30
26	17568	18336	19848	20616	21384	22152	22920	23688	24496	25456
	NPRB									
ITBS	31	32	33	34	35	36	37	38	39	40
26	26416	27376	28336	29296	29296	30576	31704	32856	32856	34008
	NPRB									
ITBS	41	42	43	44	45	46	47	48	49	50
26	35160	35160	36696	37888	37888	39232	40576	40576	42368	42368
	NPRB									
ITBS	51	52	53	54	55	56	57	58	59	60
26	43816	43816	45352	45352	46888	46888	48936	48936	51024	51024
	NPRB									
ITBS	61	62	63	64	65	66	67	68	69	70
26	52752	52752	52752	55056	55056	55056	57336	57336	59256	59256
	NPRB									
ITBS	71	72	73	74	75	76	77	78	79	80
26	59256	61664	61664	63776	63776	63776	66592	66592	66592	68808
	NPRB									
ITBS	81	82	83	84	85	86	87	88	89	90
26	68808	68808	71112	71112	71112	73712	75376	75376	75376	75376
	NPRB									
ITBS	91	92	93	94	95	96	97	98	99	100
26	75376	75376	75376	75376	75376	75376	75376	75376	75376	75376
	NPRB									
ITBS	101	102	103	104	105	106	107	108	109	110
26	75376	75376	75376	75376	75376	75376	75376	75376	75376	75376

TABLE 5-1

Optimized second transport block size table-2

	NPRB									
ITBS	1	2	3	4	5	6	7	8	9	10
26	840	1672	2536	3368	4264	5160	5992	6712	7736	8504
	NPRB									
ITBS	11	12	13	14	15	16	17	18	19	20
26	9144	10296	11064	11832	12960	13536	14688	15264	16416	16992
	NPRB									
ITBS	21	22	23	24	25	26	27	28	29	30
26	17568	18336	19848	20616	21384	22152	22920	23688	24496	25456
	NPRB									
ITBS	31	32	33	34	35	36	37	38	39	40
26	26416	27376	28336	29296	29296	30576	31704	32856	32856	34008
	NPRB									
ITBS	41	42	43	44	45	46	47	48	49	50
26	35160	35160	36696	37888	37888	39232	40576	40576	42368	42368
	NPRB									
ITBS	51	52	53	54	55	56	57	58	59	60
26	43816	43816	45352	45352	46888	46888	48936	48936	51024	51024
	NPRB									
ITBS	61	62	63	64	65	66	67	68	69	70
26	52752	52752	52752	55056	55056	55056	57336	57336	59256	59256
	NPRB									
ITBS	71	72	73	74	75	76	77	78	79	80
26	59256	61664	61664	63776	63776	63776	66592	66592	66592	68808
	NPRB									
ITBS	81	82	83	84	85	86	87	88	89	90
26	68808	68808	71112	71112	71112	73712	75376	75376	75376	75376
	NPRB									
ITBS	91	92	93	94	95	96	97	98	99	100
26	75376	75376	75376	75376	75376	75376	75376	75376	75376	75376
	NPRB									
ITBS	101	102	103	104	105	106	107	108	109	110
26	75376	75376	75376	75376	75376	75376	75376	75376	75376	75376

Optionally, some TBSs in the second transport block size table may further be included in TBSs in the first transport block size table and some TBSs in the second transport block size table may be included in the set layer-2 data transport block size table.

Still further, on the basis of the foregoing embodiment, any TBS in the second transport block size table may be a TBS in the first transport block size table and the set layer-2 data transport block size table, corresponding to a coding rate closest to the target coding rate.

When a TBS is determined in the second transport block size table, the determined TBS value is a TBS in the first transport block size table or the layer-2 data transport block size table, and a coding rate corresponding to the determined TBS value in the LTE REL.12 system with the system overhead of 12 REs is closer to the target coding rate than coding rates corresponding to other TBSs in the first trans-

port block size table or the layer-2 data transport block size table in the LTE REL.12 system with the system overhead of 12 REs, where the target coding rate may be the coding rate corresponding to the modulation and coding scheme level and the number of physical resource block pairs in LTE REL.8. The second transport block size table in this embodiment may be shown in Table 6.

TABLE 6

Second transport block size table-3

	NPRB									
ITBS	1	2	3	4	5	6	7	8	9	10
0	24	56	72	120	152	208	224	280	296	336
1	40	72	120	208	224	280	296	344	440	456
2	56	104	208	224	280	336	392	440	488	552
3	56	144	224	280	336	440	520	584	648	744
4	72	152	280	344	440	536	648	712	840	904
5	104	208	296	440	552	648	776	904	1000	1128
6	328	224	336	520	648	776	936	1064	1224	1352
7	144	296	440	616	776	936	1096	1256	1416	1608
8	152	344	520	712	904	1064	1256	1416	1608	1800
9	176	392	600	808	1000	1224	1416	1608	1864	2024
10	208	440	648	904	1128	1352	1608	1800	2024	2280
11	224	504	776	1032	1320	1544	1800	2088	2344	2664
12	280	584	904	1192	1480	1736	2088	2344	2664	2984
13	296	648	968	1320	1608	2024	2344	2664	2984	3240
14	344	712	1096	1480	1864	2280	2600	2984	3368	3752
15	376	776	1192	1608	2024	2344	2792	3240	3496	4008
16	440	840	1256	1672	2088	2536	2984	3368	3880	4264
17	440	904	1384	1864	2344	2792	3240	3752	4264	4776
18	504	1032	1544	2024	2600	3112	3624	4008	4776	5160
19	536	1096	1672	2280	2792	3368	3880	4584	4968	5544
20	584	1192	1800	2408	3112	3624	4264	4968	5352	5992
21	648	1320	1928	2600	3240	3880	4584	5160	5992	6456
22	680	1384	2088	2792	3496	4264	4968	5544	6200	6968
23	712	1480	2280	2984	3752	4584	5160	5992	6712	7480
24	776	1544	2344	3112	3880	4776	5544	6456	7224	7736
25	808	1672	2408	3368	4008	4968	5736	6712	7480	7992
26	936	1928	2856	3880	4968	5736	6712	7736	8760	9912

	NPRB									
ITBS	11	12	13	14	15	16	17	18	19	20
0	376	440	456	488	520	552	600	648	648	712
1	488	552	600	648	680	744	776	840	904	936
2	616	680	744	808	840	904	968	1000	1096	1128
3	808	904	968	1064	1128	1192	1256	1352	1416	1544
4	1000	1096	1192	1320	1384	1480	1544	1672	1736	1864
5	1256	1352	1480	1608	1736	1800	1928	2024	2152	2280
6	1480	1608	1736	1928	2024	2152	2280	2408	2600	2728
7	1736	1928	2088	2152	2344	2536	2728	2856	3112	3240
8	2024	2152	2344	2536	2728	2856	3112	3240	3496	3624
9	2280	2408	2664	2856	3112	3240	3496	3752	3880	4008
10	2536	2728	2984	3240	3496	3624	3880	4008	4392	4584
11	2856	3112	3368	3624	3880	4264	4584	4776	4968	5160
12	3240	3496	3880	4264	4392	4776	4968	5352	5736	5992
13	3752	4008	4392	4776	4968	5352	5736	5992	6456	6712
14	4008	4584	4968	5160	5544	5992	6456	6712	7224	7480
15	4392	4776	5160	5544	5992	6456	6712	7224	7480	7992
16	4776	4968	5544	5992	6456	6712	7224	7736	7992	8504
17	5160	5736	6200	6712	6968	7480	7992	8504	8760	9528
18	5736	6200	6712	7224	7736	7992	8760	9528	9912	10296
19	6200	6712	7224	7736	8504	9144	9528	9912	10680	11064
20	6712	7224	7736	8504	9144	9912	10296	10680	11448	11832
21	7224	7736	8504	9144	9912	10296	11064	11832	12216	12960
22	7736	8504	9144	9912	10296	11064	11832	12216	13536	14112
23	7992	9144	9912	10296	11064	11832	12960	13536	14112	14688
24	8760	9528	10296	11064	11832	12960	13536	14112	14688	15840
25	9144	9912	10680	11448	12216	13536	14112	14688	15840	16416
26	10680	11448	12216	13536	14112	15264	16416	17568	18336	19080

	NPRB									
ITBS	21	22	23	24	25	26	27	28	29	30
0	744	776	808	840	904	936	968	1000	1000	1064
1	968	1000	1064	1128	1192	1224	1256	1320	1352	1384
2	1224	1256	1320	1384	1416	1544	1544	1608	1672	1736
3	1608	1672	1736	1800	1864	1928	2024	2088	2152	2280

TABLE 6-continued

Second transport block size table-3

4	1928	2024	2088	2280	2344	2408	2536	2600	2728	2792
5	2408	2536	2664	2728	2856	2984	3112	3240	3240	3496
6	2856	2984	3112	3240	3368	3496	3624	3880	3880	4008
7	3240	3496	3624	3880	4008	4264	4392	4392	4584	4776
8	3880	4008	4264	4392	4584	4776	4968	4968	5160	5544
9	4392	4584	4776	4968	5160	5352	5544	5736	5992	6200
10	4968	4968	5160	5544	5736	5992	6200	6456	6712	6968
11	5544	5736	5992	6200	6456	6968	7224	7480	7736	7736
12	6200	6456	6968	7224	7480	7736	7992	8504	8760	8760
13	6968	7480	7736	7992	8504	8760	9144	9528	9912	9912
14	7736	7992	8504	9144	9528	9912	9912	10296	10680	11064
15	8504	8760	9144	9528	9912	10296	10680	11064	11448	11832
16	8760	9528	9912	9912	10296	11064	11448	11832	12576	12960
17	9912	10296	10680	11448	11832	12216	12960	13536	13536	14112
18	10680	11448	11832	12576	12960	13536	14112	14112	14688	15264
19	11832	12576	12960	13536	14112	14112	14688	15840	16416	16992
20	12960	13536	14112	14112	14688	15840	16416	16992	17568	18336
21	14112	14112	14688	15840	16416	16992	17568	18336	19080	19848
22	14688	15264	16416	16992	17568	18336	19080	19848	20616	21384
23	15840	16416	16992	17568	18336	19080	19848	20616	21384	22152
24	16992	17568	18336	19080	19848	20616	21384	22152	22920	23688
25	17568	18336	19080	19848	20616	21384	22152	22920	23688	24496
26	19848	21384	22152	22920	23688	24496	25456	26416	27376	28336

	NPRB									
ITBS	31	32	33	34	35	36	37	38	39	40
0	1096	1128	1192	1224	1256	1320	1352	1352	1384	1416
1	1480	1544	1544	1608	1672	1672	1736	1800	1864	1864
2	1800	1864	1928	2024	2024	2088	2152	2152	2280	2344
3	2344	2408	2536	2600	2664	2728	2792	2856	2984	3112
4	2856	2984	3112	3112	3240	3368	3496	3496	3624	3752
5	3496	3624	3752	3880	4008	4008	4264	4392	4584	4584
6	4264	4392	4584	4584	4776	4968	4968	5160	5352	5352
7	4968	4968	5160	5352	5544	5736	5992	5992	6200	6456
8	5736	5992	5992	6200	6456	6456	6712	6968	7224	7224
9	6456	6712	6712	6968	7224	7480	7480	7736	7992	7992
10	7224	7480	7480	7736	7992	7992	8504	8760	8760	9144
11	7992	8504	8760	9144	9144	9528	9912	9912	9912	10296
12	9144	9528	9912	9912	10296	10680	11064	11448	11448	11832
13	10296	10680	11064	11448	11832	11832	12576	12960	12960	13536
14	11448	11832	12576	12960	12960	13536	14112	14112	14112	14688
15	12576	12960	13536	13536	14112	14112	14688	15264	15264	15840
16	12960	13536	14112	14112	14688	15264	15840	15840	16416	16992
17	14112	14688	15264	15840	16416	16992	17568	17568	18336	19080
18	15840	16416	16992	17568	18336	18336	19080	19848	19848	20616
19	17568	17568	18336	19080	19848	19848	20616	21384	22152	22152
20	19080	19080	19848	20616	21384	22152	22152	22920	23688	23688
21	20616	20616	21384	22152	22920	23688	23688	24496	25456	25456
22	22152	22152	22920	23688	24496	24496	25456	26416	27376	27376
23	22920	23688	24496	25456	25456	26416	27376	28336	28336	29296
24	24496	25456	25456	26416	27376	28336	29296	29296	30576	31704
25	25456	26416	26416	27376	28336	29296	30576	31704	31704	32856
26	29296	30576	31704	32856	32856	34008	35160	36696	37888	37888

	NPRB									
ITBS	41	42	43	44	45	46	47	48	49	50
0	1480	1544	1544	1608	1608	1672	1672	1736	1736	1800
1	1928	2024	2024	2088	2088	2152	2280	2280	2344	2344
2	2344	2408	2536	2600	2664	2728	2728	2792	2856	2856
3	3112	3240	3240	3368	3368	3496	3496	3624	3752	3752
4	3880	3880	4008	4008	4264	4264	4392	4584	4584	4776
5	4776	4968	4968	4968	5160	5160	5352	5544	5736	5736
6	5544	5736	5992	5992	6200	6200	6456	6456	6712	6712
7	6456	6712	6968	6968	7224	7480	7480	7736	7736	7992
8	7480	7736	7736	7992	7992	8504	8504	8760	9144	9144
9	8504	8760	8760	9144	9144	9528	9912	9912	9912	10296
10	9528	9912	9912	9912	10296	10296	10680	11064	11064	11448
11	10680	11064	11448	11448	11832	11832	12576	12576	12960	12960
12	12576	12216	12960	12960	13536	14112	14112	14112	14112	14688
13	14112	14112	14112	14688	14688	15264	15840	15840	16416	16992
14	15264	15840	15840	16416	16992	16992	17568	17568	18336	18336
15	16416	16992	16992	17568	17568	18336	19080	19080	19848	19848
16	17568	17568	18336	18336	19080	19080	19848	20616	20616	21384
17	19080	19848	19848	20616	21384	21384	22152	22920	22920	23688

TABLE 6-continued

Second transport block size table-3

18	21384	21384	22152	22920	22920	23688	23688	24496	24496	25456
19	22920	23688	23688	24496	24496	25456	26416	26416	27376	27376
20	24496	25456	25456	26416	26416	27376	28336	28336	29296	29296
21	26416	27376	27376	28336	29296	29296	30576	31704	31704	32856
22	28336	29296	29296	30576	31704	31704	32856	32856	34008	35160
23	30576	31704	31704	32856	32856	34008	35160	35160	36696	36696
24	32856	32856	34008	34008	35160	36696	36696	37888	37888	39232
25	34008	34008	35160	36696	36696	37888	37888	39232	40576	40576
26	39232	39232	40576	42368	42368	43816	45352	45352	46888	46888

	NPRB									
ITBS	51	52	53	54	55	56	57	58	59	60
0	1864	1864	1928	1928	2024	2024	2088	2088	2088	2152
1	2408	2408	2536	2600	2600	2664	2728	2728	2792	2792
2	2984	3112	3112	3112	3240	3240	3240	3368	3496	3496
3	3880	3880	4008	4008	4264	4264	4392	4392	4584	4584
4	4776	4968	4968	4968	5160	5160	5352	5352	5544	5544
5	5992	5992	6200	6200	6200	6456	6456	6712	6712	6968
6	6968	6968	7224	7480	7480	7736	7736	7736	7992	7992
7	7992	8504	8504	8760	8760	8760	9144	9144	9528	9528
8	9528	9528	9912	9912	9912	9912	10296	10296	10680	11064
9	10296	10680	10680	11064	11448	11448	11832	11832	11832	12216
10	11832	11832	11832	12216	12576	12960	12960	13536	13536	14112
11	13536	14112	14112	14112	14112	14688	14688	15264	15264	15840
12	15264	15264	15840	15840	16416	16416	16992	16992	17568	17568
13	16992	17568	17568	18336	18336	19080	19080	19080	19848	19848
14	19080	19080	19848	19848	20616	20616	21384	21384	22152	22152
15	20616	20616	21384	21384	22152	22152	22920	22920	23688	23688
16	21384	22152	22152	22920	22920	23688	23688	24496	24496	25456
17	23688	24496	24496	25456	25456	26416	26416	26416	27376	27376
18	25456	26416	27376	27376	28336	28336	29296	29296	30576	30576
19	28336	28336	29296	29296	30576	31704	31704	32856	32856	32856
20	30576	31704	31704	32856	32856	34008	34008	35160	35160	36696
21	32856	34008	34008	35160	35160	36696	36696	37888	37888	39232
22	35160	36696	36696	37888	37888	39232	39232	40576	40576	42368
23	37888	37888	39232	39232	40576	40576	42368	42368	43816	43816
24	40576	40576	42368	42368	43816	43816	45352	45352	46888	46888
25	42368	42368	43816	43816	45352	45352	46888	46888	48936	48936
26	48936	48936	51024	52752	52752	52752	55056	55056	57336	57336

	NPRB									
ITBS	61	62	63	64	65	66	67	68	69	70
0	2152	2280	2280	2344	2344	2344	2408	2408	2536	2536
1	2856	2984	2984	3112	3112	3112	3240	3240	3240	3368
2	3496	3624	3752	3752	3752	3880	3880	4008	4008	4008
3	4776	4776	4776	4968	4968	4968	4968	5160	5160	5352
4	5736	5736	5992	5992	5992	6200	6200	6456	6456	6456
5	6968	7224	7224	7480	7480	7480	7736	7736	7736	7992
6	8504	8504	8504	8760	8760	9144	9144	9144	9528	9528
7	9912	9912	9912	9912	10296	10296	10680	10680	11064	11064
8	11064	11448	11448	11832	11832	11832	12216	12576	12576	12960
9	12216	12960	12960	13536	13536	13536	14112	14112	14112	14112
10	14112	14112	14112	14688	14688	14688	15264	15264	15840	15840
11	15840	16416	16416	16992	16992	17568	17568	17568	18336	18336
12	18336	18336	18336	19080	19080	19848	19848	19848	20616	20616
13	20616	20616	21384	21384	22152	22152	22152	22920	22920	23688
14	22920	22920	23688	23688	23688	24496	24496	25456	25456	25456
15	23688	24496	24496	25456	25456	26416	26416	26416	27376	27376
16	25456	25456	26416	26416	27376	27376	28336	28336	28336	29296
17	28336	28336	29296	29296	30576	30576	31704	31704	31704	32856
18	31704	31704	31704	32856	32856	34008	34008	35160	35160	35160
19	34008	34008	35160	35160	36696	36696	37888	37888	37888	39232
20	36696	37888	37888	37888	39232	39232	40576	40576	40576	42368
21	39232	40576	40576	40576	42368	42368	43816	43816	45352	45352
22	42368	43816	43816	43816	45352	45352	46888	46888	46888	48936
23	45352	45352	46888	46888	48936	48936	48936	51024	51024	52752
24	46888	48936	48936	51024	51024	52752	52752	55056	55056	55056

TABLE 6-continued

Second transport block size table-3

25	51024	51024	52752	52752	52752	55056	55056	57336	57336	57336
26	59256	59256	61664	61664	63776	63776	63776	66592	66592	68808

	NPRB									
ITBS	71	72	73	74	75	76	77	78	79	80
0	2600	2600	2664	2728	2728	2728	2792	2792	2856	2856
1	3368	3368	3496	3496	3496	3624	3624	3752	3752	3752
2	4264	4264	4264	4392	4392	4392	4584	4584	4584	4776
3	5352	5544	5544	5736	5736	5736	5992	5992	5992	6200
4	6712	6712	6712	6968	6968	7224	7224	7224	7480	7480
5	7992	7992	8504	8504	8760	8760	8760	9144	9144	9144
6	9912	9912	9912	9912	9912	10296	10296	10680	10680	10680
7	11448	11448	11448	11832	11832	11832	12216	12216	12576	12960
8	12960	12960	13536	13536	14112	14112	14112	14112	14112	14112
9	14112	14688	14688	15264	15264	15264	15840	15840	16416	16416
10	16416	16416	16992	16992	16992	17568	17568	17568	18336	18336
11	18336	19080	19080	19080	19848	19848	20616	20616	20616	21384
12	21384	21384	21384	22152	22152	22920	22920	22920	23688	23688
13	23688	23688	24496	24496	24496	25456	25456	25456	26416	26416
14	26416	26416	26416	27376	27376	28336	28336	28336	29296	29296
15	28336	28336	28336	29296	29296	30576	30576	30576	31704	31704
16	29296	30576	30576	31704	31704	31704	32856	32856	32856	34008
17	32856	34008	34008	34008	35160	35160	35160	36696	36696	37888
18	36696	36696	37888	37888	37888	39232	39232	39232	40576	40576
19	39232	39232	40576	40576	42368	42368	42368	43816	43816	43816
20	42368	43816	43816	43816	45352	45352	45352	46888	46888	46888
21	45352	46888	46888	46888	48936	48936	51024	51024	51024	52752
22	48936	51024	51024	52752	52752	52752	55056	55056	55056	57336
23	52752	52752	55056	55056	57336	57336	57336	59256	59256	59256
24	57336	57336	59256	59256	59256	61664	61664	61664	63776	63776
25	59256	59256	61664	61664	61664	63776	63776	63776	66592	66592
26	68808	68808	71112	71112	71112	71112	73712	73712	75376	76208

	NPRB									
ITBS	81	82	83	84	85	86	87	88	89	90
0	2984	2984	2984	3112	3112	3112	3112	3240	3240	3240
1	3880	3880	3880	4008	4008	4008	4264	4264	4264	4264
2	4776	4776	4968	4968	4968	4968	4968	5160	5160	5160
3	6200	6200	6200	6456	6456	6456	6712	6712	6712	6968
4	7480	7736	7736	7736	7736	7992	7992	7992	8504	8504
5	9528	9528	9528	9912	9912	9912	9912	9912	9912	10296
6	11064	11064	11448	11448	11448	11832	11832	11832	11832	12216
7	12960	12960	13536	13536	13536	14112	14112	14112	14112	14112
8	14688	14688	14688	15264	15264	15840	15840	15840	16416	16416
9	16992	16992	16992	17568	17568	17568	17568	18336	18336	18336
10	18336	19080	19080	19080	19080	19848	19848	19848	20616	20616
11	21384	21384	22152	22152	22152	22920	22920	22920	23688	23688
12	23688	24496	24496	24496	24496	25456	25456	25456	26416	26416
13	26416	27376	27376	27376	28336	28336	28336	29296	29296	29296
14	29296	30576	30576	31704	31704	31704	32856	32856	32856	32856
15	31704	32856	32856	32856	34008	34008	34008	35160	35160	35160
16	34008	34008	35160	35160	35160	36696	36696	36696	37888	37888
17	37888	37888	39232	39232	39232	39232	40576	40576	40576	42368
18	40576	42368	42368	42368	43816	43816	43816	45352	45352	45352
19	45352	45352	45352	46888	46888	46888	48936	48936	48936	51024
20	48936	48936	51024	51024	51024	52752	52752	52752	55056	55056
21	52752	52752	55056	55056	55056	57336	57336	57336	59256	59256
22	57336	57336	59256	59256	59256	61664	61664	61664	63776	63776
23	61664	61664	61664	63776	63776	63776	66592	66592	66592	66592
24	63776	66592	66592	66592	68808	68808	68808	68808	71112	71112
25	66592	68808	68808	68808	71112	71112	71112	71112	73712	73712
26	76208	76208	81176	81176	81176	81176	81176	81176	87936	87936

	NPRB									
ITBS	91	92	93	94	95	96	97	98	99	100
0	3240	3368	3368	3368	3496	3496	3496	3496	3496	3624
1	4392	4392	4392	4584	4584	4584	4584	4776	4776	4776
2	5352	5352	5352	5544	5544	5544	5736	5736	5736	5992
3	6968	6968	6968	7224	7224	7224	7480	7480	7480	7480
4	8504	8504	8760	8760	8760	9144	9144	9144	9144	9528
5	10296	10296	10680	10680	10680	11064	11064	11448	11448	11448
6	12576	12576	12576	12960	12960	12960	13536	13536	13536	13536

TABLE 6-continued

Second transport block size table-3										
7	14112	14688	14688	14688	14688	15264	15264	15264	15840	15840
8	16416	16992	16992	16992	17568	17568	17568	17568	18336	18336
9	18336	19080	19080	19080	19848	19848	19848	19848	20616	20616
10	20616	21384	21384	21384	22152	22152	22152	22152	22920	22920
11	23688	23688	24496	24496	24496	24496	25456	25456	25456	25456
12	26416	27376	27376	27376	27376	28336	28336	28336	29296	29296
13	30576	30576	30576	31704	31704	31704	32856	32856	32856	32856
14	34008	34008	34008	35160	35160	35160	36696	36696	36696	36696
15	36696	36696	36696	37888	37888	37888	37888	39232	39232	39232
16	37888	39232	39232	39232	39232	40576	40576	40576	40576	42368
17	42368	42368	43816	43816	43816	45352	45352	45352	45352	46888
18	46888	46888	46888	48936	48936	48936	48936	51024	51024	51024
19	51024	51024	52752	52752	52752	52752	55056	55056	55056	57336
20	55056	55056	57336	57336	57336	59256	59256	59256	61664	61664
21	59256	61664	61664	61664	61664	63776	63776	63776	63776	66592
22	63776	63776	66592	66592	66592	66592	68808	68808	68808	71112
23	68808	68808	68808	71112	71112	71112	71112	73712	73712	73712
24	71112	73712	73712	73712	73712	76208	76208	76208	81176	81176
25	73712	76208	76208	76208	81176	81176	81176	81176	81176	81176
26	87936	90816	90816	90816	93800	93800	93800	97896	97896	97896

	NPRB									
ITBS	101	102	103	104	105	106	107	108	109	110
0	3624	3752	3752	3752	3880	3880	3880	3880	3880	4008
1	4968	4968	4968	4968	4968	4968	4968	5160	5160	5160
2	5992	5992	5992	5992	6200	6200	6200	6200	6456	6456
3	7736	7736	7736	7736	7992	7992	7992	7992	8504	8504
4	9528	9528	9912	9912	9912	9912	9912	9912	9912	10296
5	11448	11832	11832	11832	11832	12576	12216	12216	12576	12576
6	14112	14112	14112	14112	14112	14112	14112	14688	14688	14688
7	15840	16416	16416	16416	16992	16992	16992	16992	17568	17568
8	18336	18336	19080	19080	19080	19080	19848	19848	19848	19848
9	20616	21384	21384	21384	21384	22152	22152	22152	22152	22920
10	22920	23688	23688	23688	23688	23688	24496	24496	24496	24496
11	26416	26416	26416	27376	27376	27376	27376	28336	28336	28336
12	29296	30576	30576	30576	30576	31704	31704	31704	31704	32856
13	34008	34008	34008	34008	35160	35160	35160	35160	36696	36696
14	37888	37888	37888	37888	39232	39232	39232	39232	40576	40576
15	39232	40576	40576	40576	40576	42368	42368	42368	43816	43816
16	42368	42368	43816	43816	43816	43816	45352	45352	45352	45352
17	46888	46888	46888	48936	48936	48936	51024	51024	51024	51024
18	52752	52752	52752	52752	55056	55056	55056	55056	57336	57336
19	57336	57336	57336	59256	59256	59256	61664	61664	61664	61664
20	61664	61664	63776	63776	63776	63776	63776	66592	66592	66592
21	66592	66592	66592	68808	68808	68808	68808	71112	71112	71112
22	71112	71112	71112	75376	73712	75376	75376	76208	76208	76208
23	73712	76208	76208	76208	76208	81176	81176	81176	81176	81176
24	81176	81176	81176	81176	81176	81176	87936	87936	87936	87936
25	81176	81176	87936	87936	87936	87936	90816	90816	90816	93800
26	97896	97896	97896	97896	97896	97896	97896	97896	97896	97896

For all TBS values included in Table 6, some may be included in the layer-1 data transport block size table shown in Table 1 and others may be included in the set layer-2 data transport block size table, where the set layer-2 data transport block size table is shown in Table 7.

TABLE 7

Set layer-2 data transport block size table	
TBS_L1	TBS_L2
1544	3112
1608	3240
1672	3368
1736	3496
1800	3624
1864	3752
1928	3880
1992	4008
2024	4008

TABLE 7-continued

Set layer-2 data transport block size table	
TBS_L1	TBS_L2
2088	4136
2152	4264
2216	4392
2280	4584
2344	4776
2408	4776
2472	4968
2536	5160
2600	5160
2664	5352
2728	5544
2792	5544
2856	5736
2984	5992
3112	6200
3240	6456

TABLE 7-continued

Set layer-2 data transport block size table	
TBS_L1	TBS_L2
3368	6712
3496	6968
3624	7224
3752	7480
3880	7736
4008	7992
4136	8248
4264	8504
4392	8760
4584	9144
4776	9528
4968	9912
5160	10296
5352	10680
5544	11064
5736	11448
5992	11832
6200	12576
6456	12960
6712	13536
6968	14112
7224	14688
7480	14688
7736	15264
7992	15840
8248	16416
8504	16992
8760	17568
9144	18336
9528	19080
9912	19848
10296	20616
10680	21384
11064	22152
11448	22920
11832	23688
12216	24496
12576	25456
12960	25456
13536	27376
14112	28336
14688	29296
15264	30576
15840	31704
16416	32856
16992	34008
17568	35160
18336	36696
19080	37888
19848	39232
20616	40576
21384	42368

TABLE 7-continued

Set layer-2 data transport block size table	
TBS_L1	TBS_L2
22152	43816
22920	45352
23688	46888
24496	48936
25456	51024
26416	52752
27376	55056
28336	57336
29296	59256
30576	61664
31704	63776
32856	66592
34008	68808
35160	71112
36696	73712
37888	76208
39232	78704
40576	81176
42368	84760
43816	87936
45352	90816
46888	93800
48936	97896
51024	101840
52752	105528
55056	110136
57336	115040
59256	119816
61664	124464
63776	128496
66592	133208
68808	137792
71112	142248
73712	146856
75376	149776

Alternatively, the second transport block size table may further be shown in Table 8. When a TBS is determined in the second transport block size table shown in Table 8, the determined TBS value is a TBS in the first transport block size table or the layer-2 data transport block size table, and a coding rate corresponding to the determined TBS value in the LTE REL.12 system with the system overhead of 12 REs is closer to the target coding rate than coding rates corresponding to other TBSs in the first transport block size table or the layer-2 data transport block size table in the LTE REL.12 system with the system overhead of 12 REs, where the target coding rate may be the optimized coding rate of the coding rate corresponding to the modulation and coding scheme level in LTE REL.8 shown in Table 3.

TABLE 8

Second transport block size table-4										
	NPRB									
ITBS	1	2	3	4	5	6	7	8	9	10
0	16	56	88	120	152	208	224	280	296	344
1	24	72	120	176	208	256	296	344	408	456
2	32	88	152	208	280	328	392	440	504	568
3	56	136	208	280	344	440	504	584	680	744
4	72	152	256	344	440	536	632	712	808	904
5	88	208	328	440	552	680	776	904	1000	1128
6	120	256	392	520	648	808	936	1064	1192	1352
7	136	296	456	616	776	936	1096	1256	1416	1608
8	152	344	520	712	904	1064	1256	1416	1608	1800
9	176	392	600	808	1000	1224	1416	1608	1864	2024
10	208	440	680	904	1128	1352	1608	1800	2024	2280
11	256	504	776	1032	1288	1544	1800	2088	2344	2600
12	280	568	872	1160	1480	1736	2088	2344	2664	2984

TABLE 8-continued

Second transport block size table-4

13	328	648	1000	1320	1672	1992	2344	2664	2984	3368
14	344	712	1096	1480	1864	2216	2600	2984	3368	3752
15	376	776	1192	1608	1992	2408	2792	3240	3624	4008
16	408	840	1256	1672	2088	2536	2984	3368	3752	4264
17	456	936	1384	1864	2344	2792	3240	3752	4264	4776
18	488	1000	1544	2024	2536	3112	3624	4136	4584	5160
19	536	1096	1672	2216	2792	3368	3880	4392	4968	5544
20	584	1192	1800	2408	2984	3624	4264	4776	5544	5992
21	632	1288	1928	2600	3240	3880	4584	5160	5992	6456
22	680	1384	2088	2792	3496	4264	4968	5544	6200	6968
23	712	1480	2216	2984	3752	4392	5160	5992	6712	7480
24	776	1544	2344	3112	4008	4776	5544	6200	7224	7992
25	808	1608	2472	3240	4136	4968	5736	6456	7480	8248
26	840	1736	2600	3496	4264	5160	5992	6968	7736	8504

	NPRB									
ITBS	11	12	13	14	15	16	17	18	19	20
0	376	408	456	488	520	568	600	632	680	712
1	504	552	600	648	696	744	776	840	872	936
2	616	680	744	808	872	904	968	1032	1096	1160
3	808	904	968	1032	1128	1192	1288	1352	1416	1480
4	1000	1096	1192	1288	1384	1480	1544	1672	1736	1864
5	1256	1352	1480	1608	1736	1800	1928	2024	2152	2280
6	1480	1608	1736	1864	2024	2152	2280	2408	2600	2728
7	1736	1928	2088	2216	2408	2536	2728	2856	2984	3240
8	1992	2152	2344	2536	2728	2856	3112	3240	3496	3624
9	2280	2472	2664	2856	3112	3240	3496	3752	3880	4136
10	2536	2728	2984	3240	3368	3624	3880	4136	4392	4584
11	2856	3112	3368	3624	3880	4264	4392	4776	4968	5352
12	3240	3496	3880	4136	4392	4776	4968	5352	5736	5992
13	3624	4008	4392	4776	4968	5352	5736	5992	6456	6712
14	4136	4392	4776	5160	5544	5992	6200	6712	6968	7480
15	4392	4776	5160	5544	5992	6456	6712	7224	7480	7992
16	4584	5160	5544	5992	6200	6712	7224	7480	7992	8504
17	5160	5736	5992	6456	6968	7480	7992	8504	8760	9528
18	5736	6200	6712	7224	7736	8248	8760	9144	9912	10296
19	6200	6712	7224	7736	8248	8760	9528	9912	10680	11064
20	6712	7224	7736	8504	9144	9528	10296	11064	11448	12216
21	7224	7736	8504	9144	9912	10296	11064	11832	12576	12960
22	7736	8504	9144	9912	10680	11064	11832	12576	13536	14112
23	8248	8760	9528	10296	11064	11832	12576	13536	14112	14688
24	8760	9528	10296	11064	11832	12576	13536	14112	15264	15840
25	9144	9912	10680	11448	12216	12960	14112	14688	15840	16416
26	9528	10296	11064	12216	12960	13536	14688	15264	16416	16992

	NPRB									
ITBS	21	22	23	24	25	26	27	28	29	30
0	744	776	808	840	904	936	968	1000	1032	1064
1	968	1032	1064	1128	1160	1224	1256	1320	1352	1416
2	1224	1256	1320	1384	1416	1480	1544	1608	1672	1736
3	1608	1672	1736	1800	1864	1992	2024	2088	2216	2280
4	1928	2024	2152	2216	2344	2408	2536	2600	2728	2792
5	2408	2536	2600	2728	2856	2984	3112	3240	3368	3496
6	2856	2984	3112	3240	3368	3496	3624	3752	3880	4136
7	3368	3496	3624	3880	4008	4136	4264	4392	4584	4776
8	3880	4008	4136	4392	4584	4776	4968	5160	5352	5544
9	4264	4584	4776	4968	5160	5352	5544	5736	5992	6200
10	4776	4968	5352	5544	5736	5992	6200	6456	6712	6712
11	5544	5736	5992	6200	6456	6712	6968	7224	7480	7736
12	6200	6456	6712	6968	7480	7736	7992	8248	8504	8760
13	6968	7224	7736	7992	8248	8760	9144	9528	9528	9912
14	7736	8248	8504	8760	9144	9528	9912	10296	10680	11064
15	8248	8760	9144	9528	9912	10296	10680	11064	11448	11832
16	8760	9144	9912	10296	10680	11064	11448	11832	12216	12576
17	9912	10296	10680	11448	11832	12216	12576	12960	13536	14112
18	10680	11448	11832	12216	12960	13536	14112	14688	14688	15264
19	11832	12216	12960	13536	14112	14688	15264	15840	16416	16992
20	12576	13536	14112	14688	15264	15840	16416	16992	17568	18336
21	13536	14112	15264	15840	16416	16992	17568	18336	19080	19848
22	14688	15264	16416	16992	17568	18336	19080	19848	20616	21384
23	15840	16416	16992	17568	18336	19080	19848	20616	21384	22152
24	16416	17568	18336	19080	19848	20616	21384	22152	22920	23688

TABLE 8-continued

Second transport block size table-4

25	17568	18336	19080	19848	20616	21384	22152	22920	23688	24496
26	18336	19080	19848	20616	21384	22152	22920	24496	25456	25456

	NPRB									
ITBS	31	32	33	34	35	36	37	38	39	40
0	1096	1160	1192	1224	1256	1288	1320	1352	1416	1416
1	1480	1480	1544	1608	1672	1672	1736	1800	1864	1864
2	1800	1864	1928	1992	2024	2088	2152	2216	2280	2344
3	2344	2408	2472	2600	2664	2728	2792	2856	2984	2984
4	2856	2984	3112	3112	3240	3368	3496	3496	3624	3752
5	3496	3624	3752	3880	4008	4136	4264	4392	4392	4584
6	4264	4392	4584	4584	4776	4968	4968	5160	5352	5544
7	4968	5160	5352	5352	5544	5736	5992	5992	6200	6456
8	5736	5736	5992	6200	6456	6456	6712	6968	6968	7224
9	6456	6456	6712	6968	7224	7480	7480	7736	7992	8248
10	6968	7224	7480	7736	7992	8248	8504	8760	8760	9144
11	8248	8504	8760	8760	9144	9528	9528	9912	10296	10680
12	9144	9528	9912	9912	10296	10680	11064	11448	11448	11832
13	10296	10680	11064	11448	11832	12216	12216	12576	12960	13536
14	11448	11832	12216	12576	12960	13536	13536	14112	14688	14688
15	12216	12576	12960	13536	14112	14112	14688	15264	15264	15840
16	12960	13536	14112	14112	14688	15264	15840	15840	16416	16992
17	14688	15264	15264	15840	16416	16992	17568	17568	18336	19080
18	15840	16416	16992	17568	18336	18336	19080	19848	19848	20616
19	17568	17568	18336	19080	19848	19848	20616	21384	22152	22152
20	19080	19080	19848	20616	21384	22152	22152	22920	23688	24496
21	20616	20616	21384	22152	22920	23688	24496	24496	25456	26416
22	21384	22152	22920	23688	24496	25456	26416	26416	27376	28336
23	22920	23688	24496	25456	26416	27376	27376	28336	29296	29296
24	24496	25456	26416	27376	27376	28336	29296	30576	30576	31704
25	25456	26416	27376	28336	29296	29296	30576	31704	31704	32856
26	26416	27376	28336	29296	30576	30576	31704	32856	34008	34008

	NPRB									
ITBS	41	42	43	44	45	46	47	48	49	50
0	1480	1480	1544	1608	1608	1672	1672	1736	1736	1800
1	1928	1992	2024	2088	2152	2152	2216	2280	2344	2344
2	2408	2472	2536	2536	2600	2664	2728	2792	2856	2856
3	3112	3240	3240	3368	3368	3496	3624	3624	3752	3752
4	3880	3880	4008	4136	4136	4264	4392	4392	4584	4584
5	4776	4776	4968	4968	5160	5352	5352	5544	5544	5736
6	5544	5736	5736	5992	6200	6200	6456	6456	6712	6712
7	6456	6712	6712	6968	7224	7224	7480	7736	7736	7992
8	7480	7736	7736	7992	8248	8248	8504	8760	8760	9144
9	8504	8504	8760	9144	9144	9528	9528	9912	9912	10296
10	9528	9528	9912	9912	10296	10680	10680	11064	11064	11448
11	10680	11064	11448	11448	11832	12216	12216	12576	12960	12960
12	12216	12576	12576	12960	13536	13536	14112	14112	14688	14688
13	13536	14112	14112	14688	15264	15264	15840	15840	16416	16992
14	15264	15840	15840	16416	16992	16992	17568	17568	18336	18336
15	16416	16992	16992	17568	17568	18336	19080	19080	19848	19848
16	17568	17568	18336	18336	19080	19848	19848	20616	20616	21384
17	19080	19848	19848	20616	21384	21384	22152	22920	22920	23688
18	21384	21384	22152	22920	22920	23688	24496	24496	25456	25456
19	22920	23688	23688	24496	25456	25456	26416	26416	27376	28336
20	24496	25456	26416	26416	27376	28336	28336	29296	29296	30576
21	26416	27376	28336	28336	29296	30576	30576	31704	31704	32856
22	28336	29296	30576	30576	31704	32856	32856	34008	34008	35160
23	30576	31704	31704	32856	34008	34008	35160	35160	36696	37888
24	32856	32856	34008	35160	35160	36696	37888	37888	39232	39232
25	34008	35160	35160	36696	36696	37888	39232	39232	40576	40576
26	35160	36696	36696	37888	39232	39232	40576	40576	42368	43816

	NPRB									
ITBS	51	52	53	54	55	56	57	58	59	60
0	1864	1864	1928	1928	1992	2024	2088	2088	2152	2152
1	2408	2472	2536	2536	2600	2664	2728	2728	2792	2856
2	2984	2984	3112	3112	3240	3240	3368	3368	3496	3496
3	3880	4008	4008	4136	4136	4264	4392	4392	4392	4584
4	4776	4776	4968	4968	5160	5160	5352	5352	5544	5544
5	5992	5992	5992	6200	6200	6456	6456	6712	6712	6968
6	6968	6968	7224	7224	7480	7480	7736	7736	7992	8248

TABLE 8-continued

Second transport block size table-4

7	7992	8248	8504	8504	8760	8760	9144	9144	9528	9528
8	9144	9528	9528	9912	9912	10296	10296	10680	10680	11064
9	10296	10680	11064	11064	11448	11448	11832	11832	12216	12216
10	11832	11832	12216	12216	12576	12960	12960	13536	13536	13536
11	13536	13536	14112	14112	14688	14688	15264	15264	15264	15840
12	15264	15264	15840	15840	16416	16416	16992	16992	17568	17568
13	16992	17568	17568	18336	18336	19080	19080	19080	19848	19848
14	19080	19080	19848	19848	20616	20616	21384	21384	22152	22152
15	20616	20616	21384	21384	22152	22152	22920	22920	23688	23688
16	21384	22152	22152	22920	23688	23688	24496	24496	25456	25456
17	23688	24496	24496	25456	25456	26416	26416	27376	27376	28336
18	26416	26416	27376	27376	28336	29296	29296	29296	30576	30576
19	28336	29296	29296	30576	30576	31704	31704	32856	32856	34008
20	30576	31704	31704	32856	32856	34008	34008	35160	35160	36696
21	32856	34008	35160	35160	36696	36696	36696	37888	39232	39232
22	35160	36696	36696	37888	39232	39232	40576	40576	40576	42368
23	37888	39232	39232	40576	40576	42368	42368	43816	43816	45352
24	40576	40576	42368	42368	43816	43816	45352	45352	46888	46888
25	42368	42368	43816	45352	45352	46888	46888	48936	48936	48936
26	43816	45352	45352	46888	46888	48936	48936	51024	51024	51024

	NPRB									
ITBS	61	62	63	64	65	66	67	68	69	70
0	2216	2216	2280	2344	2344	2408	2408	2472	2472	2536
1	2856	2984	2984	2984	3112	3112	3240	3240	3240	3368
2	3624	3624	3624	3752	3752	3880	3880	4008	4008	4136
3	4584	4776	4776	4776	4968	4968	5160	5160	5160	5352
4	5736	5736	5992	5992	5992	6200	6200	6200	6456	6456
5	6968	6968	7224	7224	7480	7480	7736	7736	7992	7992
6	8248	8504	8504	8760	8760	9144	9144	9144	9528	9528
7	9528	9912	9912	10296	10296	10680	10680	10680	11064	11064
8	11064	11448	11448	11832	11832	12216	12216	12216	12576	12576
9	12576	12576	12960	12960	13536	13536	13536	14112	14112	14112
10	14112	14112	14688	14688	14688	15264	15264	15840	15840	15840
11	15840	16416	16416	16992	16992	17568	17568	17568	18336	18336
12	18336	18336	18336	19080	19080	19848	19848	19848	20616	20616
13	20616	20616	21384	21384	22152	22152	22152	22920	22920	23688
14	22920	22920	23688	23688	24496	24496	25456	25456	25456	26416
15	24496	24496	25456	25456	25456	26416	26416	27376	27376	28336
16	25456	26416	26416	27376	27376	28336	28336	29296	29296	29296
17	28336	29296	29296	30576	30576	30576	31704	31704	32856	32856
18	31704	31704	32856	32856	34008	34008	34008	35160	35160	36696
19	34008	35160	35160	35160	36696	36696	37888	37888	39232	39232
20	36696	37888	37888	39232	39232	40576	40576	40576	42368	42368
21	39232	40576	40576	42368	42368	43816	43816	43816	45352	45352
22	42368	43816	43816	45352	45352	46888	46888	46888	48936	48936
23	45352	46888	46888	46888	48936	48936	51024	51024	51024	52752
24	48936	48936	51024	51024	51024	52752	52752	55056	55056	55056
25	51024	51024	52752	52752	52752	55056	55056	57336	57336	57336
26	52752	52752	55056	55056	55056	57336	57336	59256	59256	59256

	NPRB									
ITBS	71	72	73	74	75	76	77	78	79	80
0	2600	2600	2664	2664	2728	2728	2792	2856	2856	2856
1	3368	3368	3496	3496	3624	3624	3624	3752	3752	3752
2	4136	4264	4264	4392	4392	4392	4584	4584	4584	4776
3	5352	5544	5544	5544	5736	5736	5992	5992	5992	5992
4	6712	6712	6712	6968	6968	6968	7224	7224	7224	7480
5	8248	8248	8248	8504	8504	8760	8760	8760	9144	9144
6	9528	9912	9912	9912	10296	10296	10296	10680	10680	11064
7	11448	11448	11448	11832	11832	12216	12216	12576	12576	12576
8	12960	12960	13536	13536	13536	14112	14112	14112	14112	14688
9	14688	14688	15264	15264	15264	15840	15840	15840	16416	16416
10	16416	16416	16992	16992	16992	17568	17568	17568	18336	18336
11	18336	19080	19080	19080	19848	19848	20616	20616	20616	21384
12	21384	21384	21384	22152	22152	22920	22920	22920	23688	23688
13	23688	24496	24496	24496	25456	25456	25456	26416	26416	26416
14	26416	26416	27376	27376	28336	28336	28336	29296	29296	29296
15	28336	28336	29296	29296	29296	30576	30576	30576	31704	31704
16	30576	30576	30576	31704	31704	31704	32856	32856	34008	34008
17	32856	34008	34008	35160	35160	35160	36696	36696	36696	37888
18	36696	36696	37888	37888	39232	39232	39232	40576	40576	40576
19	39232	40576	40576	42368	42368	42368	43816	43816	43816	45352
20	42368	43816	43816	45352	45352	45352	46888	46888	46888	48936

TABLE 8-continued

Second transport block size table-4

21	46888	46888	46888	48936	48936	48936	51024	51024	51024	52752
22	48936	51024	51024	52752	52752	52752	55056	55056	55056	57336
23	52752	52752	55056	55056	55056	57336	57336	59256	59256	59256
24	57336	57336	57336	59256	59256	59256	61664	61664	63776	63776
25	59256	59256	59256	61664	61664	63776	63776	63776	66592	66592
26	61664	61664	63776	63776	63776	66592	66592	66592	68808	68808

	NPRB									
ITBS	81	82	83	84	85	86	87	88	89	90
0	2984	2984	2984	2984	3112	3112	3112	3240	3240	3240
1	3880	3880	4008	4008	4008	4136	4136	4136	4264	4264
2	4776	4776	4776	4968	4968	4968	5160	5160	5160	5352
3	6200	6200	6200	6456	6456	6456	6456	6712	6712	6712
4	7480	7736	7736	7736	7992	7992	7992	8248	8248	8248
5	9144	9528	9528	9528	9912	9912	9912	9912	10296	10296
6	11064	11064	11448	11448	11448	11832	11832	11832	12216	12216
7	12960	12960	12960	13536	13536	13536	14112	14112	14112	14112
8	14688	14688	15264	15264	15264	15840	15840	15840	16416	16416
9	16416	16992	16992	17568	17568	17568	17568	18336	18336	18336
10	18336	19080	19080	19080	19080	19848	19848	19848	20616	20616
11	21384	21384	22152	22152	22152	22920	22920	22920	23688	23688
12	23688	24496	24496	24496	25456	25456	25456	26416	26416	26416
13	27376	27376	27376	28336	28336	29296	29296	29296	29296	30576
14	30576	30576	30576	31704	31704	31704	32856	32856	32856	34008
15	32856	32856	32856	34008	34008	34008	35160	35160	35160	35160
16	34008	35160	35160	35160	36696	36696	36696	37888	37888	37888
17	37888	39232	39232	39232	40576	40576	40576	40576	42368	42368
18	42368	42368	42368	43816	43816	43816	45352	45352	45352	46888
19	45352	45352	46888	46888	46888	48936	48936	48936	48936	51024
20	48936	48936	51024	51024	51024	52752	52752	52752	55056	55056
21	52752	52752	55056	55056	55056	57336	57336	57336	57336	59256
22	57336	57336	59256	59256	59256	59256	61664	61664	61664	63776
23	61664	61664	61664	63776	63776	63776	63776	66592	66592	66592
24	63776	63776	66592	66592	66592	68808	68808	68808	71112	71112
25	66592	68808	68808	68808	71112	71112	71112	73712	73712	73712
26	68808	71112	71112	73712	73712	73712	75376	76208	76208	78704

	NPRB									
ITBS	91	92	93	94	95	96	97	98	99	100
0	3240	3368	3368	3368	3496	3496	3496	3496	3624	3624
1	4392	4392	4392	4392	4584	4584	4584	4584	4776	4776
2	5352	5352	5352	5544	5544	5544	5736	5736	5736	5736
3	6968	6968	6968	7224	7224	7224	7224	7480	7480	7480
4	8504	8504	8760	8760	8760	8760	9144	9144	9144	9144
5	10296	10680	10680	10680	11064	11064	11064	11064	11448	11448
6	12216	12576	12576	12576	12960	12960	12960	13536	13536	13536
7	14688	14688	14688	14688	15264	15264	15264	15840	15840	15840
8	16416	16992	16992	16992	17568	17568	17568	17568	18336	18336
9	19080	19080	19080	19080	19848	19848	19848	19848	20616	20616
10	20616	21384	21384	21384	21384	22152	22152	22152	22920	22920
11	23688	24496	24496	24496	25456	25456	25456	25456	26416	26416
12	27376	27376	27376	28336	28336	28336	29296	29296	29296	29296
13	30576	30576	31704	31704	31704	31704	32856	32856	32856	34008
14	34008	34008	35160	35160	35160	35160	36696	36696	36696	37888
15	36696	36696	36696	37888	37888	37888	39232	39232	39232	40576
16	39232	39232	39232	39232	40576	40576	40576	42368	42368	42368
17	42368	43816	43816	43816	45352	45352	45352	45352	46888	46888
18	46888	46888	48936	48936	48936	48936	51024	51024	51024	51024
19	51024	51024	52752	52752	52752	52752	55056	55056	55056	55056
20	55056	55056	57336	57336	57336	57336	59256	59256	59256	61664
21	59256	59256	61664	61664	61664	63776	63776	63776	63776	66592
22	63776	63776	66592	66592	66592	66592	68808	68808	68808	71112
23	68808	68808	68808	71112	71112	71112	73712	73712	73712	75376
24	71112	73712	73712	75376	75376	76208	76208	78704	78704	78704
25	75376	76208	76208	78704	78704	78704	81176	81176	81176	81176
26	78704	78704	81176	81176	81176	81176	84760	84760	84760	84760

	NPRB									
ITBS	101	102	103	104	105	106	107	108	109	110
0	3624	3752	3752	3752	3752	3880	3880	3880	4008	4008
1	4776	4776	4968	4968	4968	4968	5160	5160	5160	5160
2	5992	5992	5992	5992	6200	6200	6200	6200	6456	6456

TABLE 8-continued

Second transport block size table-4

3	7736	7736	7736	7992	7992	7992	7992	8248	8248	8248
4	9528	9528	9528	9528	9912	9912	9912	9912	10296	10296
5	11448	11832	11832	11832	12216	12216	12216	12216	12576	12576
6	13536	14112	14112	14112	14112	14688	14688	14688	14688	14688
7	15840	16416	16416	16416	16992	16992	16992	16992	17568	17568
8	18336	18336	19080	19080	19080	19080	19848	19848	19848	19848
9	20616	20616	21384	21384	21384	22152	22152	22152	22152	22920
10	22920	23688	23688	23688	23688	24496	24496	24496	24496	25456
11	26416	26416	27376	27376	27376	28336	28336	28336	28336	29296
12	30576	30576	30576	30576	31704	31704	31704	31704	32856	32856
13	34008	34008	34008	35160	35160	35160	35160	36696	36696	36696
14	37888	37888	37888	39232	39232	39232	40576	40576	40576	40576
15	40576	40576	40576	42368	42368	42368	42368	43816	43816	43816
16	42368	43816	43816	43816	43816	45352	45352	45352	46888	46888
17	46888	48936	48936	48936	48936	48936	51024	51024	51024	51024
18	52752	52752	52752	52752	55056	55056	55056	55056	57336	57336
19	57336	57336	57336	59256	59256	59256	59256	61664	61664	61664
20	61664	61664	61664	63776	63776	63776	63776	66592	66592	66592
21	66592	66592	66592	68808	68808	68808	71112	71112	71112	71112
22	71112	71112	71112	73712	73712	73712	75376	76208	76208	76208
23	75376	76208	76208	78704	78704	78704	81176	81176	81176	81176
24	81176	81176	81176	81176	84760	84760	84760	84760	87936	87936
25	84760	84760	84760	84760	87936	87936	87936	90816	90816	90816
26	87936	87936	87936	90816	90816	90816	93800	93800	93800	93800

For all TBS values included in Table 8, some may be included in the layer-1 data transport block size table in LTE REL.8 shown in Table 1, and others may be included in the set layer-2 data transport block size table.

Further, the foregoing Table 6 and Table 8 may be optimized to form optimized second transport block size tables 6-1 and 8-1, so that coding rates corresponding to all TBSs included in a maximum modulation and coding scheme level in the optimized second transport block size tables are equal to a set coding rate, where the set coding rate, for example, may be 0.93.

TABLE 6-1

Optimized second transport block size table-3

	NPRB									
ITBS	1	2	3	4	5	6	7	8	9	10
26	840	1672	2536	3368	4264	5160	5992	6712	7736	8504
	NPRB									
ITBS	11	12	13	14	15	16	17	18	19	20
26	9144	10296	11064	11832	12960	13536	14688	15264	16416	16992
	NPRB									
ITBS	21	22	23	24	25	26	27	28	29	30
26	17568	18336	19848	20616	21384	22152	22920	23688	24496	25456
	NPRB									
ITBS	31	32	33	34	35	36	37	38	39	40
26	26416	27376	28336	29296	29296	30576	31704	32856	32856	34008
	NPRB									
ITBS	41	42	43	44	45	46	47	48	49	50
	35160	35160	36696	37888	37888	39232	40576	40576	42368	42368
	NPRB									
ITBS	51	52	53	54	55	56	57	58	59	60
26	43816	43816	45352	45352	46888	46888	48936	48936	51024	51024

TABLE 6-1-continued

Optimized second transport block size table-3										
	NPRB									
ITBS	61	62	63	64	65	66	67	68	69	70
26	52752	52752	52752	55056	55056	55056	57336	57336	59256	59256
	NPRB									
ITBS	71	72	73	74	75	76	77	78	79	80
26	59256	61664	61664	63776	63776	63776	66592	66592	66592	68808
	NPRB									
ITBS	81	82	83	84	85	86	87	88	89	90
26	68808	68808	71112	71112	71112	73712	75376	76208	76208	76208
	NPRB									
ITBS	91	92	93	94	95	96	97	98	99	100
26	78704	78704	78704	81176	81176	81176	81176	84760	84760	84760
	NPRB									
ITBS	101	102	103	104	105	106	107	108	109	110
26	84760	87936	87936	87936	90816	90816	90816	90816	93800	93800

TABLE 8-1

Optimized second transport block size table-4										
	NPRB									
ITBS	1	2	3	4	5	6	7	8	9	10
26	840	1672	2536	3368	4264	5160	5992	6712	7736	8504
	NPRB									
ITBS	11	12	13	14	15	16	17	18	19	20
26	9144	10296	11064	11832	12960	13536	14688	15264	16416	16992
	NPRB									
ITBS	21	22	23	24	25	26	27	28	29	30
26	17568	18336	19848	20616	21384	22152	22920	23688	24496	25456
	NPRB									
ITBS	31	32	33	34	35	36	37	38	39	40
26	26416	27376	28336	29296	29296	30576	31704	32856	32856	34008
	NPRB									
ITBS	41	42	43	44	45	46	47	48	49	50
26	35160	35160	36696	37888	37888	39232	40576	40576	42368	42368
	NPRB									
ITBS	51	52	53	54	55	56	57	58	59	60
26	43816	43816	45352	45352	46888	46888	48936	48936	51024	51024

TABLE 8-1-continued

Optimized second transport block size table-4										
	NPRB									
ITBS	61	62	63	64	65	66	67	68	69	70
26	52752	52752	52752	55056	55056	55056	57336	57336	59256	59256
	NPRB									
ITBS	71	72	73	74	75	76	77	78	79	80
26	59256	61664	61664	63776	63776	63776	66592	66592	66592	68808
	NPRB									
ITBS	81	82	83	84	85	86	87	88	89	90
26	68808	68808	71112	71112	71112	73712	75376	76208	76208	76208
	NPRB									
ITBS	91	92	93	94	95	96	97	98	99	100
26	78704	78704	78704	81176	81176	81176	81176	84760	84760	84760
	NPRB									
ITBS	101	102	103	104	105	106	107	108	109	110
26	84760	87936	87936	87936	90816	90816	90816	90816	93800	93800

Optionally, all TBSs in the second transport block size table may be formed by newly designed elements, where the newly designed elements may be included and may also be not included in the layer-1 data transport block size table in LTE REL.8 shown in Table 1, and may be included and may also be not included in the set layer-2 data transport block size table shown in Table 7.

Still further, on the basis of the foregoing embodiment, any TBS in the second transport block size table may be a TBS designed according to the target coding rate, that is, the coding rate corresponding to the determined TBS in the LTE REL.12 system with the system overhead of 12 REs may be very close to and even equal to the target coding rate, where the target coding rate may be the coding rate corresponding to the modulation and coding scheme level and the number of physical resource block pairs in LTE REL.8. The second transport block size table in this embodiment may be shown in Table 9.

TABLE 9

Second transport block size table-5										
	NPRB									
ITBS	1	2	3	4	5	6	7	8	9	10
0	24	48	80	120	160	208	232	280	296	344
1	40	80	120	192	232	280	296	344	432	456
2	48	104	192	240	280	344	392	432	488	552
3	56	144	240	280	344	432	520	584	664	744
4	80	160	280	344	432	536	648	728	824	920
5	104	192	296	432	552	664	792	888	1000	1128
6	432	240	344	520	664	792	936	1064	1224	1352
7	144	296	432	616	760	936	1096	1256	1448	1608
8	160	344	520	712	888	1064	1256	1448	1640	1800
9	184	392	600	808	1000	1224	1416	1640	1864	2024
10	192	432	664	888	1128	1352	1608	1800	2024	2280
11	240	504	760	1032	1320	1544	1800	2088	2344	2664
12	280	584	888	1192	1480	1768	2088	2344	2664	2984
13	296	648	968	1320	1640	2024	2344	2664	2984	3304
14	344	728	1096	1480	1864	2280	2600	2984	3368	3752
15	368	792	1192	1608	2024	2344	2792	3240	3560	4072
16	432	824	1256	1672	2088	2536	2984	3368	3880	4200
17	448	920	1384	1864	2344	2792	3304	3752	4200	4712
18	504	1032	1512	2024	2600	3048	3624	4072	4712	5224
19	536	1096	1672	2280	2792	3368	3880	4520	5032	5544
20	584	1192	1800	2408	3048	3624	4200	4904	5416	5992
21	648	1320	1928	2600	3240	3880	4520	5224	5992	6456
22	680	1384	2088	2792	3496	4200	4904	5544	6200	6968
23	728	1480	2280	2984	3752	4520	5224	5992	6712	7480
24	760	1544	2344	3112	3880	4712	5544	6456	7224	7736
25	808	1640	2408	3304	4072	4904	5736	6712	7480	8120

TABLE 9-continued

Second transport block size table-5										
26	936	1928	2856	3880	4904	5736	6712	7736	8760	9784

	NPRB									
ITBS	11	12	13	14	15	16	17	18	19	20
0	384	432	456	488	520	552	600	648	664	712
1	504	552	600	648	680	744	792	824	888	936
2	616	680	744	808	856	920	968	1000	1096	1128
3	808	888	968	1064	1128	1192	1256	1352	1416	1512
4	1032	1096	1192	1320	1384	1480	1544	1672	1768	1864
5	1256	1352	1480	1608	1736	1800	1928	2024	2152	2280
6	1480	1608	1768	1928	2024	2152	2280	2408	2600	2728
7	1736	1928	2088	2152	2344	2536	2728	2920	3048	3240
8	2024	2152	2344	2536	2728	2920	3048	3304	3496	3624
9	2280	2408	2664	2856	3048	3304	3496	3752	3880	4072
10	2536	2728	2984	3240	3496	3624	3880	4072	4392	4520
11	2920	3112	3368	3624	3880	4200	4584	4712	5032	5224
12	3240	3560	3880	4200	4392	4712	5032	5352	5736	5992
13	3688	4072	4392	4712	5032	5416	5736	5992	6456	6712
14	4072	4584	4904	5224	5544	5992	6456	6712	7224	7480
15	4392	4712	5224	5544	5992	6456	6712	7224	7352	8120
16	4712	5032	5544	5992	6456	6712	7224	7736	8120	8376
17	5224	5736	6200	6712	6968	7480	8120	8376	8760	9400
18	5736	6200	6712	7224	7736	8120	8760	9400	9784	10424
19	6200	6712	7224	7736	8376	9016	9400	10040	10808	11064
20	6712	7224	7736	8376	9016	9784	10424	10808	11448	11960
21	7224	7736	8376	9016	9784	10424	11064	11960	12384	12960
22	7736	8376	9144	9784	10424	11064	11960	12384	13344	13920
23	8120	9016	9784	10424	11064	11960	12960	13344	14304	14880
24	8760	9400	10424	11064	11960	12960	13344	14304	14880	15840
25	9016	9784	10808	11448	12384	13344	13920	14880	15840	16416
26	10808	11448	12384	13344	14304	15456	16416	17568	18336	19080

	NPRB									
ITBS	21	22	23	24	25	26	27	28	29	30
0	744	792	808	856	888	936	968	1000	1032	1064
1	968	1032	1064	1128	1192	1224	1256	1320	1352	1384
2	1224	1256	1320	1384	1448	1512	1544	1640	1672	1736
3	1608	1640	1736	1800	1864	1928	2024	2088	2152	2280
4	1928	2024	2088	2280	2344	2408	2536	2600	2728	2792
5	2408	2536	2664	2728	2920	2984	3048	3240	3304	3496
6	2856	2984	3112	3240	3368	3560	3624	3880	3880	4072
7	3304	3496	3624	3880	4072	4200	4392	4392	4584	4712
8	3880	4072	4200	4392	4584	4712	4904	5032	5224	5544
9	4392	4520	4712	4904	5224	5352	5544	5736	5992	6200
10	4904	5032	5224	5544	5736	5992	6200	6456	6712	6968
11	5544	5736	5992	6200	6456	6968	7224	7352	7736	7736
12	6200	6456	6968	7224	7480	7736	8120	8376	8760	8760
13	6968	7352	7736	8120	8376	8760	9016	9400	9784	10040
14	7736	8120	8376	9144	9400	9784	10040	10424	10808	11064
15	8376	8760	9016	9400	10040	10424	10680	11064	11448	11960
16	8760	9400	9784	10040	10424	11064	11448	11960	12384	12960
17	9784	10424	10808	11448	11960	12384	12960	13344	13344	13920
18	10808	11448	11960	12384	12960	13344	13920	14304	14880	15456
19	11960	12384	12960	13344	13920	14304	14880	15840	16416	16800
20	12960	13344	13920	14304	14880	15840	16416	16800	17568	18336
21	13920	14304	14880	15840	16416	16800	17568	18336	19080	19848
22	14880	15456	16416	16800	17568	18336	19080	19848	20616	21384
23	15840	16416	16800	17568	18336	19080	19848	20616	21384	22152
24	16800	17568	18336	19080	19848	20616	21384	22152	22920	23944
25	17568	18336	19080	19848	20616	21384	22152	22920	23944	24816
26	19848	21384	22152	22920	23944	24816	25776	26736	27696	28656

	NPRB									
ITBS	31	32	33	34	35	36	37	38	39	40
0	1096	1128	1192	1224	1256	1320	1352	1352	1384	1448
1	1480	1512	1544	1608	1640	1672	1768	1800	1864	1864
2	1800	1864	1928	2024	2024	2088	2152	2152	2280	2344
3	2344	2408	2536	2600	2664	2728	2792	2856	2984	3048
4	2920	2984	3048	3112	3240	3368	3496	3560	3624	3752
5	3560	3624	3752	3880	4072	4072	4200	4392	4584	4520
6	4200	4392	4520	4584	4712	4904	5032	5224	5352	5416
7	4904	5032	5224	5416	5544	5736	5992	5992	6200	6456

TABLE 9-continued

Second transport block size table-5

8	5736	5992	5992	6200	6456	6456	6712	6968	7224	7224
9	6456	6712	6712	6968	7224	7480	7480	7736	8120	8120
10	7224	7480	7480	7736	8120	8120	8376	8760	8760	9016
11	8120	8376	8760	9144	9144	9400	9784	10040	10040	10424
12	9144	9400	9784	10040	10424	10680	11064	11448	11448	11960
13	10424	10808	11064	11448	11960	11960	12384	12960	12960	13344
14	11448	11960	12384	12960	12960	13344	13920	14304	14304	14880
15	12384	12960	13344	13344	13920	14304	14880	15456	15456	15840
16	12960	13344	13920	14304	14880	15456	15840	15840	16416	16800
17	14304	14880	15456	15840	16416	16800	17568	17568	18336	19080
18	15840	16416	16800	17568	18336	18336	19080	19848	19848	20616
19	17568	17568	18336	19080	19848	19848	20616	21384	22152	22152
20	19080	19080	19848	20616	21384	22152	22152	22920	23944	23944
21	20616	20616	21384	22152	22920	23944	23944	24816	25776	25776
22	22152	22152	22920	23944	24816	24816	25776	26736	27696	27696
23	22920	23944	24816	25776	25776	26736	27696	28656	28656	29936
24	24816	25776	25776	26736	27696	28656	29936	29936	30936	31704
25	25776	26736	26736	27696	28656	29936	30936	31704	31704	33240
26	29936	30936	31704	33240	33240	34392	35544	36992	37888	37888

	NPRB									
ITBS	41	42	43	44	45	46	47	48	49	50
0	1480	1512	1544	1608	1640	1640	1672	1736	1768	1800
1	1928	2024	2024	2088	2088	2152	2280	2280	2344	2344
2	2344	2408	2536	2600	2664	2728	2728	2792	2856	2920
3	3112	3240	3304	3304	3368	3496	3560	3624	3752	3752
4	3880	3880	4072	4072	4200	4200	4392	4584	4584	4712
5	4712	4904	4904	5032	5224	5224	5352	5544	5736	5736
6	5544	5736	5992	5992	6200	6200	6456	6456	6712	6712
7	6456	6712	6968	6968	7224	7480	7480	7736	7736	8120
8	7480	7736	7736	8120	8120	8376	8376	8760	9144	9144
9	8376	8760	8760	9016	9144	9400	9784	9784	10040	10424
10	9400	9784	9784	10040	10424	10424	10680	11064	11064	11448
11	10808	11064	11448	11448	11960	11960	12384	12384	12960	12960
12	12384	12384	12960	12960	13344	13920	13920	14304	14304	14880
13	13920	13920	14304	14880	14880	15456	15840	15840	16416	16800
14	15456	15840	15840	16416	16800	16800	17568	17568	18336	18336
15	16416	16800	16800	17568	17568	18336	19080	19080	19848	19848
16	17568	17568	18336	18336	19080	19080	19848	20616	20616	21384
17	19080	19848	19848	20616	21384	21384	22152	22920	22920	23944
18	21384	21384	22152	22920	22920	23944	23944	24816	24816	25776
19	22920	23944	23944	24816	24816	25776	26736	26736	27696	27696
20	24816	25776	25776	26736	26736	27696	28656	28656	29936	29936
21	26736	27696	27696	28656	29936	29936	30936	31704	31704	33240
22	28656	29936	29936	30936	31704	31704	33240	33240	34392	35544
23	30936	31704	31704	33240	33240	34392	35544	35544	36992	36992
24	33240	33240	34392	34392	35544	36992	36992	37888	37888	39680
25	34392	34392	35544	36992	36992	37888	37888	39680	41024	41024
26	39680	39680	41024	42816	42816	44328	45864	45864	47912	47912

	NPRB									
ITBS	51	52	53	54	55	56	57	58	59	60
0	1864	1864	1928	1928	2024	2024	2088	2088	2088	2152
1	2408	2408	2536	2600	2600	2664	2728	2728	2792	2792
2	2984	3048	3048	3112	3240	3304	3304	3368	3496	3496
3	3880	3880	4072	4072	4200	4200	4392	4392	4584	4520
4	4712	4904	4904	5032	5224	5224	5352	5416	5544	5544
5	5992	5992	6200	6200	6200	6456	6456	6712	6712	6968
6	6968	6968	7224	7352	7352	7736	7736	7736	8120	8120
7	8120	8376	8376	8760	8760	8760	9016	9144	9400	9400
8	9400	9400	9784	9784	10040	10040	10424	10424	10808	11064
9	10424	10680	10808	11064	11448	11448	11960	11960	11960	12384
10	11960	11960	11960	12384	12384	12960	12960	13344	13344	13920
11	13344	13920	13920	14304	14304	14880	14880	15456	15456	15840
12	15456	15456	15840	15840	16416	16416	16800	16800	17568	17568
13	16800	17568	17568	18336	18336	19080	19080	19080	19848	19848
14	19080	19080	19848	19848	20616	20616	21384	21384	22152	22152
15	20616	20616	21384	21384	22152	22152	22920	22920	23944	23944
16	21384	22152	22152	22920	22920	23944	23944	24816	24816	25776
17	23944	24816	24816	25776	25776	26736	26736	26736	27696	27696
18	25776	26736	27696	27696	28656	28656	29936	29936	30936	30936
19	28656	28656	29936	29936	30936	31704	31704	33240	33240	33240
20	30936	31704	31704	33240	33240	34392	34392	35544	35544	36992

TABLE 9-continued

Second transport block size table-5

21	33240	34392	34392	35544	35544	36992	36992	37888	37888	39680
22	35544	36992	36992	37888	37888	39680	39680	41024	41024	42816
23	37888	37888	39680	39680	41024	41024	42816	42816	44328	44328
24	41024	41024	42816	42816	44328	44328	45864	45864	47912	47912
25	42816	42816	44328	44328	45864	45864	47912	47912	49296	49296
26	49296	49296	51024	52752	52752	52752	55056	55056	56696	56696

	NPRB									
ITBS	61	62	63	64	65	66	67	68	69	70
0	2152	2280	2280	2344	2344	2344	2408	2408	2536	2536
1	2920	2984	2984	3048	3048	3112	3240	3240	3304	3304
2	3560	3624	3688	3752	3752	3880	3880	4072	4072	4072
3	4712	4712	4712	4904	4904	5032	5032	5224	5224	5416
4	5736	5736	5992	5992	5992	6200	6200	6456	6456	6456
5	6968	7224	7224	7480	7480	7480	7736	7736	7736	8120
6	8376	8376	8376	8760	8760	9016	9144	9144	9400	9400
7	9784	9784	10040	10040	10424	10424	10808	10808	11064	11064
8	11064	11448	11448	11960	11960	11960	12384	12384	12384	12960
9	12384	12960	12960	13344	13344	13344	13920	13920	14304	14304
10	13920	14304	14304	14880	14880	14880	15456	15456	15840	15840
11	15840	16416	16416	16800	16800	17568	17568	17568	18336	18336
12	18336	18336	18336	19080	19080	19848	19848	19848	20616	20616
13	20616	20616	21384	21384	22152	22152	22152	22920	22920	23944
14	22920	22920	23944	23944	23944	24816	24816	25776	25776	25776
15	23944	24816	24816	25776	25776	26736	26736	26736	27696	27696
16	25776	25776	26736	26736	27696	27696	28656	28656	28656	29936
17	28656	28656	29936	29936	30936	30936	31704	31704	31704	33240
18	31704	31704	31704	33240	33240	34392	34392	35544	35544	35544
19	34392	34392	35544	35544	36992	36992	37888	37888	37888	39680
20	36992	37888	37888	37888	39680	39680	41024	41024	41024	42816
21	39680	41024	41024	41024	42816	42816	44328	44328	45864	45864
22	42816	44328	44328	44328	45864	45864	47912	47912	47912	49296
23	45864	45864	47912	47912	49296	49296	49296	51024	51024	52752
24	47912	49296	49296	51024	51024	52752	52752	55056	55056	55056
25	51024	51024	52752	52752	52752	55056	55056	56696	56696	56696
26	59256	59256	61176	61176	63776	63776	63776	66592	66592	68808

	NPRB									
ITBS	71	72	73	74	75	76	77	78	79	80
0	2600	2600	2664	2728	2728	2728	2792	2792	2920	2920
1	3368	3368	3496	3560	3560	3624	3624	3752	3752	3752
2	4200	4200	4200	4392	4392	4392	4520	4584	4584	4712
3	5416	5544	5544	5736	5736	5736	5992	5992	5992	6200
4	6712	6712	6712	6968	6968	7224	7224	7224	7480	7480
5	8120	8120	8376	8376	8760	8760	8760	9144	9144	9016
6	9784	9784	10040	10040	10040	10424	10424	10680	10808	10808
7	11448	11448	11448	11960	11960	11960	12384	12384	12384	12960
8	12960	12960	13344	13344	13920	13920	13920	14304	14304	14304
9	14304	14880	14880	15456	15456	15456	15840	15840	16416	16416
10	16416	16416	16800	16800	16800	17568	17568	17568	18336	18336
11	18336	19080	19080	19080	19848	19848	20616	20616	20616	21384
12	21384	21384	21384	22152	22152	22920	22920	22920	23944	23944
13	23944	23944	24816	24816	24816	25776	25776	25776	26736	26736
14	26736	26736	26736	27696	27696	28656	28656	28656	29936	29936
15	28656	28656	28656	29936	29936	30936	30936	30936	31704	31704
16	29936	30936	30936	31704	31704	31704	33240	33240	33240	34392
17	33240	34392	34392	34392	35544	35544	35544	36992	36992	37888
18	36992	36992	37888	37888	37888	39680	39680	39680	41024	41024
19	39680	39680	41024	41024	42816	42816	42816	44328	44328	44328
20	42816	44328	44328	44328	45864	45864	45864	47912	47912	47912
21	45864	47912	47912	47912	49296	49296	51024	51024	51024	52752
22	49296	51024	51024	52752	52752	52752	55056	55056	55056	56696
23	52752	52752	55056	55056	56696	56696	56696	59256	59256	59256
24	56696	56696	59256	59256	59256	61176	61176	61176	63776	63776
25	59256	59256	61176	61176	61176	63776	63776	63776	66592	66592
26	68808	68808	71880	71880	71880	71880	74544	74544	74544	77040

	NPRB									
ITBS	81	82	83	84	85	86	87	88	89	90
0	2984	2984	2984	3048	3048	3112	3112	3240	3240	3304
1	3880	3880	3880	4072	4072	4072	4200	4200	4200	4200
2	4712	4712	4904	4904	5032	5032	5032	5224	5224	5224
3	6200	6200	6200	6456	6456	6456	6712	6712	6712	6968

TABLE 9-continued

Second transport block size table-5

4	7480	7736	7736	7736	7736	8120	8120	8120	8376	8376
5	9400	9400	9400	9784	9784	9784	10040	10040	10040	10424
6	11064	11064	11448	11448	11448	11960	11960	11960	11960	12384
7	12960	12960	13344	13344	13344	13920	13920	13920	14304	14304
8	14880	14880	14880	15456	15456	15840	15840	15840	16416	16416
9	16800	16800	16800	17568	17568	17568	17568	18336	18336	18336
10	18336	19080	19080	19080	19080	19848	19848	19848	20616	20616
11	21384	21384	22152	22152	22152	22920	22920	22920	23944	23944
12	23944	24816	24816	24816	24816	25776	25776	25776	26736	26736
13	26736	27696	27696	27696	28656	28656	28656	29936	29936	29936
14	29936	30936	30936	31704	31704	31704	33240	33240	33240	33240
15	31704	33240	33240	33240	34392	34392	34392	35544	35544	35544
16	34392	34392	35544	35544	35544	36992	36992	36992	37888	37888
17	37888	37888	39680	39680	39680	39680	41024	41024	41024	42816
18	41024	42816	42816	42816	44328	44328	44328	45864	45864	45864
19	45864	45864	45864	47912	47912	47912	49296	49296	49296	51024
20	49296	49296	51024	51024	51024	52752	52752	52752	55056	55056
21	52752	52752	55056	55056	55056	56696	56696	56696	59256	59256
22	56696	56696	59256	59256	59256	61176	61176	61176	63776	63776
23	61176	61176	61176	63776	63776	63776	66592	66592	66592	66592
24	63776	66592	66592	66592	68808	68808	68808	68808	71880	71880
25	66592	68808	68808	68808	71880	71880	71880	71880	74544	74544
26	77040	77040	80280	80280	80280	82968	82968	82968	86976	86976

	NPRB									
ITBS	91	92	93	94	95	96	97	98	99	100
0	3304	3304	3368	3368	3496	3496	3560	3560	3560	3624
1	4392	4392	4392	4584	4584	4584	4584	4712	4712	4712
2	5352	5416	5416	5544	5544	5544	5736	5736	5736	5992
3	6968	6968	6968	7224	7224	7224	7480	7480	7480	7480
4	8376	8376	8760	8760	8760	9144	9144	9144	9016	9400
5	10424	10424	10808	10680	10808	11064	11064	11448	11448	11448
6	12384	12384	12384	12960	12960	12960	13344	13344	13344	13344
7	14304	14880	14880	14880	14880	15456	15456	15456	15840	15840
8	16416	16800	16800	16800	17568	17568	17568	17568	18336	18336
9	18336	19080	19080	19080	19848	19848	19848	19848	20616	20616
10	20616	21384	21384	21384	22152	22152	22152	22152	22920	22920
11	23944	23944	24816	24816	24816	24816	25776	25776	25776	25776
12	26736	27696	27696	27696	27696	28656	28656	28656	29936	29936
13	30936	30936	30936	31704	31704	31704	33240	33240	33240	33240
14	34392	34392	34392	35544	35544	35544	36992	36992	36992	36992
15	36992	36696	36992	37888	37888	37888	37888	39680	39680	39680
16	37888	39680	39680	39680	39680	41024	41024	41024	41024	42816
17	42816	42816	44328	44328	44328	45864	45864	45864	45864	47912
18	47912	47912	47912	49296	49296	49296	49296	51024	51024	51024
19	51024	51024	52752	52752	52752	52752	55056	55056	55056	56696
20	55056	55056	56696	56696	56696	59256	59256	59256	61176	61176
21	59256	61176	61176	61176	61176	63776	63776	63776	63776	66592
22	63776	63776	66592	66592	66592	66592	68808	68808	68808	71880
23	68808	68808	68808	71880	71880	71880	71880	74544	74544	74544
24	71880	74544	74544	74544	74544	77040	77040	77040	80280	80280
25	74544	77040	77040	77040	80280	80280	80280	80280	82968	82968
26	86976	89856	89856	89856	92776	92776	92776	95848	95848	97896

	NPRB									
ITBS	101	102	103	104	105	106	107	108	109	110
0	3624	3752	3752	3752	3880	3880	3880	3880	3880	4072
1	4904	4904	4904	4904	5032	5032	5032	5224	5224	5224
2	5992	5992	5992	5992	6200	6200	6200	6200	6456	6456
3	7736	7736	7736	7736	8120	8120	8120	8120	8376	8376
4	9400	9400	9784	9784	9784	9784	10040	10040	10040	10424
5	11448	11960	11960	11960	11960	12384	12384	12384	12384	12384
6	13920	13920	13920	13920	14304	14304	14304	14880	14880	14880
7	15840	16416	16416	16416	16800	16800	16800	16800	17568	17568
8	18336	18336	19080	19080	19080	19080	19848	19848	19848	19848
9	20616	21384	21384	21384	21384	22152	22152	22152	22152	22920
10	22920	23944	23944	23944	23944	23944	24816	24816	24816	24816
11	26736	26736	26736	27696	27696	27696	27696	28656	28656	28656
12	29936	30936	30936	30936	30936	31704	31704	31704	31704	33240
13	34392	34392	34392	34392	35544	35544	35544	35544	36992	36992
14	37888	37888	37888	37888	39680	39680	39680	39680	41024	41024
15	39680	41024	41024	41024	41024	42816	42816	42816	44328	44328
16	42816	42816	44328	44328	44328	44328	45864	45864	45864	45864
17	47912	47912	47912	49296	49296	49296	51024	51024	51024	51024

TABLE 9-continued

Second transport block size table-5

18	52752	52752	52752	52752	55056	55056	55056	55056	56696	56696
19	56696	56696	56696	59256	59256	59256	61176	61176	61176	61176
20	61176	61176	63776	63776	63776	63776	63776	66592	66592	66592
21	66592	66592	66592	68808	68808	68808	68808	71880	71880	71880
22	71880	71880	71880	74544	74544	74544	74544	77040	77040	77040
23	74544	77040	77040	77040	77040	80280	80280	80280	80280	82968
24	80280	80280	82968	82968	82968	82968	86976	86976	86976	86976
25	82968	82968	86976	86976	86976	86976	89856	89856	89856	92776
26	97896	97896	97896	97896	97896	97896	97896	97896	97896	97896

Alternatively, the second transport block size table may further be shown in Table 10. All TBSs included in Table 10 may be formed by newly designed elements, where the newly designed elements may be included and may also be not included in the layer-1 data transport block size table in LTE REL.8 shown in Table 1, and may also be included and may also be not included in the set layer-2 data transport block size table shown in Table 7.

Still further, on the basis of the foregoing embodiment, any TBS in the second transport block size table may be a TBS designed according to the target coding rate, that is, the coding rate corresponding to the determined TBS in the LTE REL.12 system with the system overhead of 12 REs may be very close to and even equal to the target coding rate, where the target coding rate may be the optimized coding rate of the coding rate corresponding to the modulation and coding scheme level in LTE REL.8 shown in Table 3.

TABLE 10

Second transport block size table-6

	NPRB									
ITBS	1	2	3	4	5	6	7	8	9	10
0	16	48	88	120	160	192	232	272	304	344
1	24	72	120	168	216	264	312	360	408	456
2	32	96	152	208	272	328	384	448	504	568
3	56	128	208	280	360	432	504	584	664	744
4	72	160	256	352	448	536	632	728	824	920
5	88	208	320	440	552	664	792	904	1000	1128
6	112	248	384	520	664	792	936	1064	1192	1352
7	136	296	456	616	776	936	1096	1256	1416	1576
8	160	344	520	712	888	1064	1256	1448	1640	1800
9	184	392	600	808	1000	1224	1416	1640	1832	2024
10	208	440	664	904	1128	1352	1576	1832	2024	2280
11	240	504	776	1032	1288	1576	1832	2088	2344	2600
12	272	568	872	1160	1480	1768	2088	2344	2664	2984
13	312	648	984	1320	1672	1992	2344	2664	2984	3368
14	352	728	1096	1480	1864	2216	2600	2984	3368	3752
15	376	776	1192	1576	1992	2408	2792	3176	3560	4008
16	400	824	1256	1672	2088	2536	2984	3368	3816	4264
17	448	920	1384	1864	2344	2792	3304	3752	4200	4712
18	488	1000	1544	2024	2536	3112	3624	4136	4648	5160
19	536	1096	1672	2216	2792	3368	3944	4456	5032	5608
20	584	1192	1800	2408	3048	3624	4264	4840	5480	6056
21	632	1288	1960	2600	3240	3944	4584	5224	5864	6456
22	680	1384	2088	2792	3496	4200	4904	5608	6328	6968
23	728	1480	2216	2984	3752	4456	5224	5992	6712	7480
24	776	1576	2344	3176	3944	4776	5544	6328	7096	7864
25	808	1640	2472	3304	4136	4968	5800	6584	7352	8248
26	840	1704	2600	3432	4328	5160	6056	6840	7736	8632

	NPRB									
ITBS	11	12	13	14	15	16	17	18	19	20
0	376	416	448	488	520	568	600	632	664	712
1	504	552	600	648	696	744	792	840	888	936
2	616	680	744	792	856	920	968	1032	1096	1160
3	824	888	968	1032	1128	1192	1288	1352	1416	1512
4	1000	1096	1192	1288	1384	1480	1576	1672	1768	1864
5	1256	1352	1480	1608	1704	1832	1928	2024	2152	2280
6	1480	1608	1768	1896	2024	2152	2280	2408	2600	2728
7	1736	1896	2088	2216	2408	2536	2728	2856	3048	3176
8	1992	2152	2344	2536	2728	2920	3112	3304	3432	3624
9	2280	2472	2664	2856	3048	3304	3496	3688	3880	4136
10	2536	2728	2984	3176	3432	3688	3880	4136	4328	4584
11	2856	3176	3432	3688	3944	4200	4456	4712	5032	5288
12	3240	3560	3880	4136	4456	4776	5032	5352	5672	5928
13	3688	4008	4328	4712	5032	5352	5736	6056	6328	6712

TABLE 10-continued

Second transport block size table-6

14	4136	4456	4840	5224	5608	5992	6328	6712	7096	7480
15	4392	4776	5160	5608	5992	6328	6712	7096	7608	7992
16	4648	5096	5544	5928	6328	6712	7224	7608	7992	8504
17	5160	5672	6120	6584	6968	7480	7992	8376	8888	9400
18	5672	6200	6712	7224	7736	8248	8760	9272	9784	10296
19	6120	6712	7224	7864	8376	8888	9528	10040	10680	11192
20	6584	7224	7864	8504	9016	9656	10296	10936	11448	12088
21	7096	7864	8504	9144	9784	10424	11064	11704	12384	12960
22	7736	8376	9144	9784	10552	11192	11960	12576	13344	14112
23	8248	8888	9656	10424	11192	11960	12768	13344	14112	14880
24	8760	9528	10296	11064	11960	12576	13536	14304	15072	15840
25	9016	9912	10680	11576	12384	13152	14112	14880	15648	16608
26	9400	10296	11192	12088	12960	13728	14688	15456	16416	17184

	NPRB									
ITBS	21	22	23	24	25	26	27	28	29	30
0	744	776	824	856	888	920	968	1000	1032	1064
1	984	1032	1064	1128	1160	1224	1256	1320	1352	1416
2	1224	1256	1320	1384	1448	1512	1576	1608	1672	1736
3	1576	1672	1736	1800	1896	1960	2024	2088	2216	2280
4	1960	2024	2152	2216	2344	2408	2536	2600	2728	2792
5	2408	2536	2600	2728	2856	2084	3112	3240	3304	3432
6	2856	2984	3112	3240	3368	3560	3688	3816	3944	4072
7	3368	3496	3688	3816	4008	4136	4328	4456	4648	4776
8	3816	4008	4200	4392	4584	4776	4904	5096	5288	5480
9	4328	4520	4712	4968	5160	5352	5544	5800	5992	6120
10	4840	5032	5288	5480	5736	5992	6200	6328	6584	6840
11	5544	5800	6056	6328	6584	6840	7096	7352	7608	7864
12	6200	6456	6840	7096	7352	7736	7092	8248	8632	8888
13	6968	7352	7736	7992	8376	8632	9016	9400	9656	10040
14	7864	8248	8504	8888	9272	9656	10040	10424	10808	11192
15	8376	8760	9144	9528	9912	10296	10808	11192	11576	11960
16	8888	9272	9784	10168	10552	11064	11448	11832	12216	12768
17	9912	10296	10808	11320	11704	12216	12576	13152	13536	14112
18	10808	11320	11832	12384	12768	13344	13920	14496	14880	15456
19	11704	12384	12768	13344	13920	14496	15072	15648	16224	16800
20	12768	13344	13920	14496	15072	15648	16416	16992	17568	18144
21	13728	14304	15072	15648	16416	16992	17568	18336	18824	19592
22	14688	15456	16224	16800	17568	18336	18824	19592	20360	21128
23	15648	16416	17184	17952	18568	19336	20104	20872	21640	22408
24	16608	17376	18336	19080	19848	20616	21384	22152	22920	23944
25	17376	18144	19080	19848	20616	21384	22408	23176	23944	24816
26	18144	18824	19848	20616	21640	22408	23176	24200	25136	25776

	NPRB									
ITBS	31	32	33	34	35	36	37	38	39	40
0	1096	1160	1192	1224	1256	1288	1320	1352	1416	1448
1	1448	1512	1544	1608	1640	1704	1736	1800	1832	1896
2	1800	1864	1928	1960	2024	2088	2152	2216	2280	2344
3	2344	2408	2472	2600	2664	2728	2792	2856	2984	3048
4	2856	2984	3048	3176	3240	3368	3432	3560	3624	3752
5	3560	3688	3816	3880	4008	4136	4264	4392	4456	4584
6	4200	4328	4520	4648	4776	4904	5032	5160	5288	5480
7	4968	5096	5288	5416	5608	5736	5928	6056	6200	6328
8	5672	5864	6056	6200	6328	6584	6712	6840	7096	7224
9	6328	6584	6712	6968	7224	7352	7608	7736	7002	8248
10	7096	7352	7480	7736	7992	8248	8504	8632	8888	9144
11	8120	8376	8632	8888	9144	9400	9656	10040	10296	10552
12	9144	9528	9784	10040	10424	10680	10936	11320	11576	11832
13	10424	10680	11064	11448	11704	12088	12384	12768	12960	13344
14	11576	11960	12384	12576	12960	13344	13728	14112	14496	14880
15	12384	12768	13152	13536	13920	14304	14688	15072	15456	16032
16	13152	13536	13920	14304	14880	15264	15648	16032	16605	16992
17	14496	15072	15456	16032	16416	16992	17376	17952	18336	18824
18	16032	16416	16992	17568	17952	18568	19080	19592	20104	20616
19	17376	17952	18568	19080	19592	20104	20616	21384	21896	22408
20	18824	19336	19848	20616	21128	21896	22408	22920	23688	24200
21	20360	20872	21640	22152	22920	23432	24200	24816	25456	26096
22	21640	22408	23176	23944	24496	25136	26096	26736	27376	28016
23	23176	23944	24496	25456	26096	27056	27696	28336	29296	29936
24	24496	25456	26096	27056	27696	28656	29296	30256	30936	31704
25	25776	26416	27376	28016	28976	29936	30576	31320	32088	33240
26	26736	27696	28336	29296	30256	30936	31704	32856	33624	34392

TABLE 10-continued

Second transport block size table-6

	NPRB									
ITBS	41	42	43	44	45	46	47	48	49	50
0	1480	1512	1544	1576	1608	1672	1704	1736	1768	1800
1	1928	1992	2024	2088	2152	2152	2216	2280	2344	2344
2	2408	2472	2536	2536	2600	2664	2728	2792	2856	2920
3	3112	3176	3240	3368	3432	3496	3560	3624	3752	3816
4	3816	3944	4008	4136	4200	4264	4392	4456	4584	4648
5	4712	4840	4968	5032	5160	5288	5416	5544	5608	5736
6	5608	5736	5864	5992	6120	6200	6328	6456	6584	6712
7	6456	6712	6840	6968	7096	7352	7480	7608	7736	7992
8	7480	7608	7864	7992	8120	8376	8504	8760	8888	9144
9	8376	8632	8888	9016	9272	9400	9656	9912	10040	10296
10	9400	9656	9784	10040	10296	10552	10808	10936	11192	11448
11	10808	11064	11320	11576	11832	12088	12384	12576	12768	13152
12	12216	12384	12768	12960	13344	13728	13920	14304	14496	14880
13	13728	14112	14304	14688	15072	15456	15648	16032	16416	16800
14	15264	15648	16032	16416	16800	17184	17568	17952	18336	18568
15	16416	16800	17184	17568	17952	18336	18824	19080	19592	19848
16	17376	17760	18144	18568	19080	19592	19848	20360	20872	21128
17	19336	19848	20104	20616	21128	21640	22152	22664	22920	23432
18	21128	21640	22152	22664	23176	23688	24200	24816	25136	25776
19	22920	23432	24200	24496	25136	25776	26416	26736	27376	28016
20	24816	25456	26096	26736	27376	28016	28336	28976	29616	30256
21	26736	27376	28016	28656	29296	29936	30576	31320	32088	32856
22	28656	29616	30256	30936	31704	32472	32856	33624	34392	35160
23	30576	31320	32088	32856	33624	34392	35160	35928	36696	37440
24	32472	33240	34008	34776	35928	36696	37440	37888	38784	39680
25	34008	34776	35544	36312	37440	37888	38784	39680	40576	41472
26	35544	36312	36092	37888	38784	39680	40576	41472	42368	43304

	NPRB									
ITBS	51	52	53	54	55	56	57	58	59	60
0	1832	1864	1928	1960	1992	2024	2088	2088	2152	2152
1	2408	2472	2536	2536	2600	2664	2728	2728	2792	2856
2	2984	3048	3112	3176	3240	3240	3304	3368	3432	3496
3	3880	3944	4008	4136	4200	4264	4328	4392	4456	4584
4	4776	4840	4968	5032	5160	5224	5352	5416	5544	5608
5	5864	5992	6120	6200	6328	6456	6456	6584	6712	6840
6	6968	7096	7224	7352	7480	7608	7736	7864	7992	8120
7	8120	8248	8376	8632	8760	8888	9016	9272	9400	9528
8	9272	9528	9656	9784	10040	10168	10424	10552	10808	10936
9	10424	10680	10936	11064	11320	11576	11704	11960	12088	12384
10	11704	11960	12088	12384	12576	12768	12960	13344	13536	13728
11	13344	13728	13920	14112	14496	14688	15072	15264	15456	15840
12	15072	15456	15648	16032	16416	16608	16992	17184	17568	17760
13	17184	17376	17760	18144	18336	18824	19080	19336	19848	20104
14	19080	19336	19848	20104	20616	20872	21384	21640	22152	22408
15	20360	20616	21128	21640	21896	22408	22664	23176	23432	23944
16	21640	22152	22408	22920	23432	23688	24200	24496	25136	25456
17	23944	24456	24816	25456	25776	26416	26736	27376	27696	28336
18	26416	26736	27376	27696	28336	28976	29296	29936	30576	30936
19	28656	29296	29616	30256	30936	31320	32088	32472	33240	33624
20	30936	31320	32088	32856	33240	34008	34392	35160	35928	36312
21	33240	34008	34776	35160	35928	36696	37440	37888	38784	39232
22	35928	36696	36992	37888	38784	39232	40128	40576	41472	42368
23	38336	38784	39680	40576	41024	41920	42816	43304	44328	44840
24	40576	41472	41920	42816	43816	44328	45352	45864	46888	47912
25	42368	42816	43816	44840	45352	46376	47400	47912	48936	49872
26	43816	44840	45864	46376	47400	48424	49296	49872	51024	51600

	NPRB									
ITBS	61	62	63	64	65	66	67	68	69	70
0	2216	2216	2280	2344	2344	2408	2408	2472	2472	2536
1	2920	2920	2984	3048	3112	3112	3176	3240	3304	3304
2	3560	3624	3688	3752	3816	3880	3944	3944	4008	4072
3	4648	4712	4776	4840	4968	5032	5096	5160	5224	5352
4	5672	5800	5864	5992	6056	6120	6200	6328	6456	6456
5	6968	7096	7224	7352	7480	7608	7608	7736	7864	7992
6	9656	8376	8504	8632	8760	9016	9144	9272	9400	9528
7	9656	9912	10040	10168	10296	10552	10680	10808	10936	11192
8	11064	11320	11448	11704	11832	12088	12216	12384	12576	12768
9	12576	12768	12960	13152	13344	13536	13728	13920	14112	14304

TABLE 10-continued

Second transport block size table-6

10	13920	14112	14496	14688	14880	15072	15264	15648	15840	16032
11	16032	16224	16608	16800	17184	17376	17568	17952	18144	18336
12	18144	18336	18568	19080	19336	19592	19848	20104	20360	20872
13	20360	20872	21128	21384	21896	22152	22408	22920	23176	23432
14	22664	23176	23432	23944	24200	24496	25136	25456	25776	26096
15	24456	24816	25136	25456	25776	26416	26736	27056	27376	28016
16	25776	26416	26736	27056	27696	28016	28336	28976	29296	29616
17	28656	29296	29616	30256	30576	30936	31320	32088	32472	32856
18	31320	32088	32472	32856	33624	34008	34392	35160	35544	35928
19	34008	34776	35160	35928	36312	36092	37440	37888	38784	39232
20	36992	37440	38336	38784	39232	40128	40576	41024	41920	42368
21	39680	40576	41024	41920	42368	43304	43816	44328	45352	45864
22	42816	43304	44328	44840	45864	46376	46888	47912	48424	49296
23	45864	46376	46888	47912	48424	49296	49872	51024	51600	52176
24	48424	49296	49872	51024	51600	52176	53328	53904	55056	55416
25	50448	51600	52176	52752	53904	54480	55416	56056	57336	57976
26	52752	53328	54480	55056	56056	56696	57976	58616	59256	60536

	NPRB									
ITBS	71	72	73	74	75	76	77	78	79	80
0	2600	2600	2664	2664	2728	2728	2792	2856	2856	2920
1	3368	3432	3496	3496	3560	3624	3688	3688	3752	3816
2	4136	4200	4264	4328	4392	4456	4520	4584	4648	4712
3	5416	5480	5544	5608	5736	5800	5864	5928	5992	6120
4	6584	6712	6840	6840	6968	7096	7096	7224	7352	7480
5	8120	8248	8376	8504	8632	8760	8760	8888	9016	9144
6	9656	9784	9912	10040	10168	10296	10424	10552	10680	10936
7	11320	11448	11576	11832	11960	12088	12216	12384	12576	12768
8	12960	13152	13344	13536	13728	13920	14112	14304	14304	14496
9	14688	14880	15072	15264	15456	15648	15840	16032	16224	16416
10	16224	16416	16800	16992	17184	17376	17568	17952	18144	18336
11	18568	18824	19080	19336	19592	20104	20360	20616	20872	21128
12	21128	21384	21640	21896	22152	22664	22920	23176	23432	23688
13	23688	24200	24456	24816	25136	25456	25776	26096	26416	26736
14	26416	26736	27376	27696	28016	28336	28656	29296	29616	29936
15	28336	28656	28976	29616	29936	30256	30576	30936	31320	32088
16	30256	30576	30936	31320	31704	32088	32472	33240	33624	34008
17	33240	34008	34392	34776	35160	35928	36312	36696	36992	37440
18	36696	36992	37440	38336	38784	39232	39680	40128	40576	41472
19	39680	40128	41024	41472	41920	42816	43304	43816	44328	44840
20	42816	43816	44328	44840	45352	45864	46888	47400	47912	48424
21	46376	46888	47912	48424	48936	49872	50448	51024	51600	52176
22	49872	50448	51024	52176	52752	53328	53904	55056	55416	56056
23	53328	53904	54480	55416	56056	56696	57336	58616	59256	59896
24	56696	57336	57976	58616	59896	60536	61176	61664	63072	63776
25	58616	59896	60536	61176	62368	63072	63776	64480	65184	66592
26	61176	62368	63072	63776	64480	65888	66592	67296	68040	68808

	NPRB									
ITBS	81	82	83	84	85	86	87	88	89	90
0	2920	2984	2984	3048	3112	3112	3176	3176	3240	3240
1	3880	3880	3944	4008	4072	4072	4136	4200	4264	4264
2	4712	4776	4840	4904	4968	5032	5096	5160	5224	5288
3	6120	6200	6328	6328	6456	6456	6584	6712	6712	6840
4	7480	7608	7736	7864	7864	7992	8120	8248	8248	8376
5	9272	9400	9528	9656	9784	9912	9912	10040	10168	10296
6	11064	11192	11320	11448	11576	11704	11832	11960	12088	12216
7	12960	12960	13152	13344	13536	13728	13920	13920	14112	14304
8	14688	14880	15072	15264	15456	15648	15840	16032	16224	16416
9	16608	16800	16992	17376	17568	17760	17952	18144	18336	18568
10	18568	18824	19080	19336	19336	19592	19848	20104	20360	20616
11	21384	21640	21896	22152	22408	22664	22920	23176	23432	23688
12	23944	24456	24496	24816	25136	25456	25776	26096	26416	26736
13	27056	27376	27696	28016	28656	28976	29296	29616	29936	30256
14	30256	30576	30936	31320	31704	32088	32472	32856	33240	33624
15	32472	32856	33240	33624	34008	34392	34776	35160	35544	35928
16	34392	34776	35160	35544	35928	36312	36992	37440	37888	38336
17	37888	38784	39232	39680	40128	40576	41024	41472	41920	42368
18	41920	42368	42816	43304	43816	44328	44840	45352	45864	46376
19	45352	45864	46376	46888	47400	48424	48936	49296	49872	50448
20	48936	49872	50448	51024	51600	52176	52752	53328	53904	54480
21	52752	53904	54480	55056	55416	56056	56696	57336	57976	58616
22	56696	57336	58616	59256	59896	60536	61176	61664	62368	63072
23	60536	61176	62368	63072	63776	64480	65184	65888	66592	67296

TABLE 10-continued

Second transport block size table-6										
24	64480	65184	65888	66592	67296	68040	68808	69576	70344	71880
25	67296	68040	68808	69576	70344	71112	71880	72648	73712	74544
26	69576	71112	71880	72648	73416	74544	75376	76208	77040	77872

	NPRB									
ITBS	61	62	63	64	65	66	67	68	69	70
0	2216	2216	2280	2344	2344	2408	2408	2472	2472	2536
1	2920	2920	2984	3048	3112	3112	3176	3240	3304	3304
2	3560	3624	3688	3752	3816	3880	3944	3944	4008	4072
3	4648	4712	4776	4840	4968	5032	5096	5160	5224	5352
4	5672	5800	5864	5992	6056	6120	6200	6328	6456	6456
5	6968	7096	7224	7352	7480	7608	7608	7736	7864	7992
6	8248	8376	8504	8632	8760	9016	9144	9272	9400	9528
7	9656	9912	10040	10168	10296	10552	10680	10808	10936	11192
8	11064	11320	11448	11704	11832	12088	12216	12384	12576	12768
9	12576	12768	12960	13152	13344	13536	13728	13920	14112	14304
10	13920	14112	14496	14688	14880	15072	15264	15648	15840	16032
11	16032	16224	16608	16800	17184	17376	17568	17952	18144	18336
12	18144	18336	18568	19080	19336	19592	19848	20104	20360	20872
13	20360	20872	21128	21384	21896	22152	22408	22920	23176	23432
14	22664	23176	23432	23944	24200	24496	25136	25456	25776	26096
15	24456	24816	25136	25456	25776	26416	26736	27056	27376	28016
16	25776	26416	26736	27056	27696	28016	28336	28976	29296	29616
17	28656	29296	29616	30256	30576	30936	31320	32088	32472	32856
18	31320	32088	32472	32856	33624	34008	34392	35160	35544	35928
19	34008	34776	35160	35928	36312	36992	37440	37888	38784	39232
20	36992	37440	38336	38784	39232	40128	40576	41024	41920	42368
21	39680	40576	41024	41920	42368	43304	43816	44328	45352	45864
22	42816	43304	44328	44840	45864	46376	46888	47912	48424	49296
23	45864	46376	46888	47912	48424	49296	49872	51024	51600	52176
24	48424	49296	49872	51024	51600	52176	53328	53904	55056	55416
25	50448	51600	52176	52752	53904	54480	55416	56056	57336	57976
26	52752	53328	54480	55056	56056	56696	57976	58616	59256	60536

	NPRB									
ITBS	71	72	73	74	75	76	77	78	79	80
0	2600	2600	2664	2664	2728	2728	2792	2856	2856	2920
1	3368	3432	3496	3496	3560	3624	3688	3688	3752	3816
2	4136	4200	4264	4328	4392	4456	4520	4584	4648	4712
3	5416	5480	5544	5608	5736	5800	5864	5928	5992	6120
4	6584	6712	6840	6840	6968	7096	7096	7224	7352	7480
5	8120	8248	8376	8504	8632	8760	8760	8888	9016	9144
6	9656	9784	9912	10040	10168	10296	10424	10552	10680	10936
7	11320	11448	11576	11832	11960	12088	12216	12384	12576	12768
8	12960	13152	13344	13536	13728	13920	14112	14304	14304	14496
9	14688	14880	15072	15264	15456	15648	15840	16032	16224	16416
10	16224	16416	16800	16992	17184	17376	17568	17952	18144	18336
11	18568	18824	19080	19336	19592	20104	20360	20616	20872	21128
12	21128	21384	21640	21896	22152	22664	22920	23176	23432	23688
13	23688	24200	24456	24816	25136	25456	25776	26096	26416	26736
14	26416	26736	27376	27696	28016	28336	28656	29296	29616	29936
15	28336	28656	28976	29616	29936	30256	30576	30936	31320	32088
16	30256	30576	30936	31320	31704	32088	32472	33240	33624	34008
17	33240	34008	34392	34776	35160	35928	36312	36696	36992	37440
18	36696	36992	37440	38336	38784	39232	39680	40128	40576	41472
19	39680	40128	41024	41472	41920	42816	43304	43816	44328	44840
20	42816	43816	44328	44840	45352	45864	46888	47400	47912	48424
21	46376	46888	47912	48424	48936	49872	50448	51024	51600	52176
22	49872	50448	51024	52176	52752	53328	53904	55056	55416	56056
23	53328	53904	54480	55416	56056	56696	57336	58616	59256	59896
24	56696	57336	57976	58616	59896	60536	61176	61664	63072	63776
25	58616	59896	60536	61176	62368	63072	63776	64480	65184	66592
26	61176	62368	63072	63776	64480	65888	66592	67296	68040	68808

	NPRB									
ITBS	81	82	83	84	85	86	87	88	89	90
0	2920	2984	2984	3048	3112	3112	3176	3176	3240	3240
1	3880	3880	3944	4008	4072	4072	4136	4200	4264	4264
2	4712	4776	4840	4904	4968	5032	5096	5160	5224	5288
3	6120	6200	6328	6328	6456	6456	6584	6712	6712	6840
4	7480	7608	7736	7864	7864	7992	8120	8248	8248	8376
5	9272	9400	9528	9656	9784	9912	9912	10040	10168	10296

TABLE 10-continued

Second transport block size table-6										
6	11064	11192	11320	11448	11576	11704	11832	11960	12088	12216
7	12960	12960	13152	13344	13536	13728	13920	13920	14112	14304
8	14688	14880	15072	15264	15456	15648	15840	16032	16224	16416
9	16608	16800	16992	17376	17568	17760	17952	18144	18336	18568
10	18568	18824	19080	19336	19336	19592	19848	20104	20360	20616
11	21384	21640	21896	22152	22408	22664	22920	23176	23432	23688
12	23944	24456	24496	24816	25136	25456	25776	26096	26416	26736
13	27056	27376	27696	28016	28656	28976	29296	29616	29936	30256
14	30256	30576	30936	31320	31704	32088	32472	32856	33240	33624
15	32472	32856	33240	33624	34008	34392	34776	35160	35544	35928
16	34392	34776	35160	35544	35928	36312	36992	37440	37888	38336
17	37888	38784	39232	39680	40128	40576	41024	41472	41920	42368
18	41920	42368	42816	43304	43816	44328	44840	45352	45864	46376
19	45352	45864	46376	46888	47400	48424	48936	49296	49872	50448
20	48936	49872	50448	51024	51600	52176	52752	53328	53904	54480
21	52752	53904	54480	55056	55416	56056	56696	57336	57976	58616
22	56696	57336	58616	59256	59896	60536	61176	61664	62368	63072
23	60536	61176	62368	63072	63776	64480	65184	65888	66592	67296
24	64480	65184	65888	66592	67296	68040	68808	69576	70344	71880
25	67296	68040	68808	69576	70344	71112	71880	72648	73712	74544
26	69576	71112	71880	72648	73416	74544	75376	76208	77040	77872

	NPRB									
ITBS	91	92	93	94	95	96	97	98	99	100
0	3304	3368	3368	3432	3432	3496	3496	3560	3624	3624
1	4328	4392	4456	4456	4520	4584	4584	4648	4712	4776
2	5352	5416	5416	5480	5544	5608	5672	5736	5800	5864
3	6840	6968	7096	7096	7224	7224	7352	7480	7480	7608
4	8504	8504	8632	8760	8888	8888	9016	9144	9272	9272
5	10424	10552	10680	10808	10936	11064	11192	11192	11320	11448
6	12384	12576	12576	12768	12960	12960	13152	13344	13536	13536
7	14496	14688	14880	14880	15072	15264	15456	15648	15840	15840
8	16608	16800	16992	17184	17376	17568	17760	17952	18144	18336
9	18824	18824	19080	19336	19592	19848	19848	20104	20360	20616
10	20872	21128	21384	21640	21640	21896	22152	22408	22664	22920
11	23944	24200	24456	24816	25136	25136	25456	25776	26096	26416
12	27056	27376	27696	28016	28336	28656	28976	28976	29296	29616
13	30576	30936	31320	31320	31704	32088	32472	32856	33240	33624
14	34008	34392	34776	35160	35544	35928	36312	36696	36992	37440
15	36312	36696	36992	37440	37888	38336	38784	39232	39680	40128
16	38784	38784	39232	39680	40128	40576	41024	41472	41920	42368
17	42816	43304	43816	44328	44840	45352	45864	45864	46376	46888
18	46888	47400	47912	48424	48936	49296	49872	50448	51024	51600
19	51024	51600	52176	52752	53328	53904	54480	55056	55416	56056
20	55056	56056	56056	56696	57336	57976	58616	59256	59896	60536
21	59256	59896	60536	61664	62368	63072	63776	63776	64480	65184
22	63776	64480	65184	65888	66592	67296	68040	68808	69576	70344
23	68040	68808	69576	70344	71112	71880	72648	73416	73712	74544
24	72648	73416	73712	74544	75376	76208	77040	77872	78704	79536
25	75376	76208	77040	77872	78704	79536	80280	81176	82072	82968
26	78704	79536	80280	81176	82072	82968	83864	84760	85656	86016

	NPRB									
ITBS	101	102	103	104	105	106	107	108	109	110
0	3688	3688	3752	3752	3816	3880	3880	3944	3944	4008
1	4776	4840	4904	4968	4968	5032	5096	5160	5160	5224
2	5928	5992	6056	6120	6120	6200	6200	6328	6328	6456
3	7608	7736	7864	7864	7992	7992	8120	8248	8248	8376
4	9400	9528	9656	9656	9784	9912	9912	10040	10168	10296
5	11576	11704	11832	11960	12088	12216	12216	12384	12576	12576
6	13728	13920	13920	14112	14304	14496	14496	14688	14880	14880
7	16032	16224	16416	16608	16800	16800	16992	17184	17376	17568
8	18336	18568	18824	19080	19080	19336	19592	19592	19848	20104
9	20872	20872	21128	21384	21640	21896	21896	22152	22408	22664
10	23176	23432	23688	23944	23944	24200	24496	24816	24816	25136
11	26416	26736	27056	27376	27696	28016	28016	28336	28656	28976
12	29936	30256	30576	30936	31320	31320	31704	32088	32472	32856
13	34008	34392	34392	34776	35160	35544	35928	36312	36696	36992
14	37888	37888	38336	38784	39232	39680	40128	40128	40576	41024
15	40128	40576	41024	41472	41920	42368	42816	43304	43304	43816
16	42816	43304	43816	44328	44328	44840	45352	45864	46376	46888
17	47400	47912	48424	48936	49296	49872	50448	51024	51024	51600
18	52176	52752	53328	53904	53904	54480	55056	55416	56056	56696
19	56696	57336	57976	58616	58616	59256	59896	60536	61176	61664

TABLE 10-continued

Second transport block size table-6										
20	61176	61664	62368	63072	63776	64480	65184	65184	65888	66592
21	65888	66592	67296	68040	68808	69576	70344	70344	71112	71880
22	71112	71880	72648	73416	73712	74544	75376	76208	76208	77040
23	75376	76208	77040	77872	78704	79536	80280	81176	81176	82072
24	80280	81176	82072	82968	83864	83864	84760	85656	86976	86976
25	83864	84760	85656	86016	86976	87936	88896	89856	89856	90816
26	86976	87936	88896	89856	90816	91776	92776	92776	93800	94824

Further, the foregoing Table 9 and Table 10 may be optimized to form optimized second transport block size tables 9-1 and 10-1, so that coding rates corresponding to all TBSs included in a maximum modulation and coding scheme level in the optimized second transport block size tables are equal to a set coding rate, where the set coding rate, for example, may be 0.93.

TABLE 9-1

Optimized second transport block size table-5										
	NPRB									
ITBS	1	2	3	4	5	6	7	8	9	10
26	864	1728	2560	3456	4352	5184	6080	6912	7808	8704
	NPRB									
ITBS	11	12	13	14	15	16	17	18	19	20
26	9472	10368	11264	12160	13056	13824	14784	15552	16512	17280
	NPRB									
ITBS	21	22	23	24	25	26	27	28	29	30
26	18240	18944	19968	20736	21760	22528	23296	24320	24960	25920
	NPRB									
ITBS	31	32	33	34	35	36	37	38	39	40
26	26880	27840	28480	29440	30400	31104	31872	33024	33792	34560
	NPRB									
ITBS	41	42	43	44	45	46	47	48	49	50
26	35328	36480	37184	38080	38976	39872	40768	41664	42560	43520
	NPRB									
ITBS	51	52	53	54	55	56	57	58	59	60
26	44032	45056	46080	46592	47616	48640	49536	50112	51264	51840
	NPRB									
ITBS	61	62	63	64	65	66	67	68	69	70
26	52992	53568	54720	55296	56320	56960	58240	58880	59520	60800
	NPRB									
ITBS	71	72	73	74	75	76	77	78	79	80
26	61440	62656	63360	64064	64768	65472	66880	67584	68352	69120
	NPRB									
ITBS	81	82	83	84	85	86	87	88	89	90
26	69888	70656	72192	72960	73728	74048	75712	76544	77376	78208

TABLE 9-1-continued

Optimized second transport block size table-5										
	NPRB									
ITBS	91	92	93	94	95	96	97	98	99	100
26	79040	79872	80640	81536	82432	83328	84224	85120	86016	86400
	NPRB									
ITBS	101	102	103	104	105	106	107	108	109	110
26	87360	88320	89280	90240	91200	92160	92160	93184	94208	95232

TABLE 10-1

Optimized second transport block size table-6										
	NPRB									
ITBS	1	2	3	4	5	6	7	8	9	10
26	840	1704	2536	3432	4328	5160	6056	6840	7736	8632
	NPRB									
ITBS	11	12	13	14	15	16	17	18	19	20
26	9400	10296	11192	12088	12960	13728	14688	15456	16416	17184
	NPRB									
ITBS	21	22	23	24	25	26	27	28	29	30
26	18144	18824	19848	20616	21640	22408	23176	24200	24816	25776
	NPRB									
ITBS	31	32	33	34	35	36	37	38	39	40
26	26736	27696	28336	29296	30256	30936	31704	32856	33624	34392
	NPRB									
ITBS	41	42	43	44	45	46	47	48	49	50
26	35160	36312	36992	37888	38784	39680	40576	41472	42368	43304
	NPRB									
ITBS	51	52	53	54	55	56	57	58	59	60
26	43816	44840	45864	46376	47400	48424	49296	49872	51024	51600
	NPRB									
ITBS	61	62	63	64	65	66	67	68	69	70
26	52752	53328	54480	55056	56056	56696	57976	58616	59256	60536
	NPRB									
ITBS	71	72	73	74	75	76	77	78	79	80
26	61176	62368	63072	63776	64480	65184	66592	67296	68040	68808
	NPRB									
ITBS	81	82	83	84	85	86	87	88	89	90
26	69576	70344	71880	72648	73416	73712	75376	76208	77040	77872

TABLE 10-1-continued

Optimized second transport block size table-6										
	NPRB									
ITBS	91	92	93	94	95	96	97	98	99	100
26	78704	79536	80280	81176	82072	82968	83864	84760	85656	86016
	NPRB									
ITBS	101	102	103	104	105	106	107	108	109	110
26	86976	87936	88896	89856	90816	91776	91776	92776	93800	94824

FIG. **2** is a flowchart of a second embodiment of a data transmission method of the present invention. As shown in FIG. **2**, the data transmission method of this embodiment includes the following:

201. A user equipment receives a system scheduling control signal from a base station, where the system scheduling control signal includes a modulation and coding scheme level and a time-frequency resource.

202. The user equipment selects one transport block size table from a first transport block size table and a second transport block size table, and determines a corresponding transport block size TBS in the selected first transport block size table or the selected second transport block size according to the modulation and coding scheme level and the number of physical resource block pairs, where any TBS in the second transport block size table is not smaller than a TBS in a corresponding position in the first transport block size table.

The UE selects one transport block size table from the first transport block size table and the second transport block size table to determine a TBS. The UE may firstly determine, according to the MCS level included in the received scheduling control signal, a modulation order index value and a TBS index value corresponding to the MCS level in a transport block size index table (Modulation and TBS index table for PDSCH); secondly, the UE determines, in the first transport block size table or the second transport block size table selected for determining the TBS, a TBS value corresponding to the determined TBS index value and the time-frequency resource included in the scheduling control signal.

A TBS value in the second transport block size table is compared with a TBS value in the same position in the first transport block size table, and the TBS value in the second transport block size table is not smaller than the TBS value in the first transport block size table.

Alternatively, a TBS value in the second transport block size table is compared with a TBS value in the same position in the first transport block size table, and the TBS value in the second transport block size table may also be smaller than the TBS value in the first transport block size table. In this case, the second transport block size table may be applied in a scenario in which a system overhead is greater than a system overhead of a LTE REL.8 system, so that when the UE receives service data according to the TBS value in the second transport block size table, a coding rate is reduced to be closer to a desired coding rate of the system.

203. The user equipment receives the service data from the base station using the determined TBS.

The UE receives the service data from the base station using the TBS determined in the first transport block size table or the second transport block size table and corresponding to the modulation and coding scheme level and the time-frequency included in the system scheduling control signal.

In the data transmission method of this embodiment, a user equipment receives a system scheduling control signal from a base station, where the system scheduling control signal includes a modulation and coding scheme level and a time-frequency resource; the user equipment selects one transport block size table from a first transport block size table and a second transport block size table, and determines a corresponding transport block size TBS in the selected first transport block size table or the selected second transport block size table according to the modulation and coding scheme level and the number of physical resource block pairs, where any TBS in the second transport block size table is not smaller than a TBS in a corresponding position in the first transport block size table; and the user equipment receives the service data from the base station using the determined TBS. In this way, the UE implements selection of a transport block size table, so that a coding rate is increased when the UE receives the service data according to the TBS in the selected second transport block size table.

Optionally, coding rates corresponding to all TBSs included in a maximum modulation and coding scheme level in the first transport block size table are equal to a set coding rate; and/or, coding rates corresponding to all TBSs included in a maximum modulation and coding scheme level in the second transport block size table are equal to the set coding rate.

The first transport block size table may include a layer-1 data transport block size table in LTE REL.8, where the layer-1 data transport block size table in LTE REL.8 is shown in Table 1 in the foregoing embodiment. For details, reference may be made to Table 1, which is not further described herein.

In the first transport block size table, N_{PRB} represents the number of physical resource block pairs, I_{TBS} represents a TBS index value, and an element in the table represents a transport block size TBS.

A TBS included in the maximum modulation and coding scheme level in the first transport block size table may further be a TBS corresponding to the set coding rate, and all TBSs corresponding to the set coding rate may be included in all TBSs corresponding to I_{TBS} of 0 to 25 in the foregoing Table 1, as shown in Table 2-1. For details, reference may be made to Table 2-1, which is not further described herein; or TBSs corresponding to the set coding rate may further be included in all TBSs corresponding to I_{TBS} of 0 to 25 in the foregoing Table 1 or be included in a layer-2 data transport block size table, as shown in Table 2-2. For details, reference may be made to Table 2-2, which is not further described herein; or, none of TBSs corresponding to the set coding rate

or some of TBSs corresponding to the set coding rate may further be included in all TBSs corresponding to I_{TBS} of 0 to 25 in the foregoing Table 1 or be included in the layer-2 data transport block size table, as shown in Table 2-2. For details, reference may be made to Table 2-3, which is not further described herein.

In an LTE REL.8 system with a system overhead of 48 resource elements, a coding rate for performing coding on the service data using a TBS in the foregoing Table 2-1, Table 2-2, and Table 2-3 may be an effective coding rate, where the effective coding rate, for example, may be 0.93.

A TBS included in the maximum modulation and coding scheme level in the second transport block size table may further be a TBS corresponding to a set coding rate, where the set coding rate, for example, may be 0.93, so that in an LTE REL.12 system with a system overhead of 12 resource elements, a coding rate corresponding to a TBS included in the maximum modulation and coding scheme level in the second transport block size table is an effective coding rate. In other embodiments, when a requirement of the system for a bit error rate is changed or in other cases, the set coding rate may further be another value, which is not limited herein.

Further, the selecting, by the user equipment, one transport block size table from the first transport block size table and the second transport block size table may include selecting, by the user equipment, one transport block size table from the first transport block size table and the second transport block size table according to a system configuration parameter or a system overhead.

When the UE selects one transport block size table from the first transport block size table and the second transport block size table, the UE may select the first transport block size table or the second transport block size table according to the system configuration parameter, further select a TBS in the first transport block size table or the second transport block size table, perform coding on the service data according to the TBS, and transmit the coded service data to the UE.

For example, when the system configuration parameter indicates that control signaling includes a physical downlink control channel, the UE selects the first transport block size table, so that a coding rate when the UE receives the service data according to the TBS in the first transport block size table is closer to a desired coding rate, where the desired coding rate may be a coding rate corresponding to the determined modulation and coding scheme level and the determined number of physical resource block pairs in LTE REL.8, or the desired target coding rate may also be an optimized coding rate of the coding rate corresponding to the determined modulation and coding scheme level in LTE REL.8, where the optimized coding rate of the coding rate corresponding to the modulation and coding scheme level in LTE REL.8 is shown in Table 3 in the foregoing embodiment. For details, reference may be made to Table 3, which is not further described herein.

When the system configuration parameter indicates that the control signaling does not include a physical downlink control channel, the UE selects the second transport block size table, so that when the UE receives the service data using the TBS in the second transport block size table, the corresponding coding rate is closer to the desired coding rate.

The UE may further select the first transport block size table or the second transport block size table according to the system overhead. For example, when the system overhead is 48 resource elements, the UE selects the first transport block size table; and when the system overhead is 12 resource elements, the UE selects the second transport block size table.

Optionally, the UE receives a higher-layer signaling message from the base station, where the higher-layer signaling message carries instruction information that instructs selection of the first transport block size table or the second transport block size table.

The UE can select a transport block size table according to the higher-layer signaling message sent by the base station. For example, the base station instructs the UE to receive the service data using the TBS in the second transport block size table so as to use the same transport block size table as the base station. Then the UE selects the corresponding TBS in the second transport block size table to receive the service data sent by the base station.

Optionally, the UE receives a downlink control message from the base station, where the downlink control message carries instruction information that instructs selection of the first transport block size table or the second transport block size table, which may increase a speed of the UE in switching between different selections.

Optionally, all TBSs in the second transport block size table may be included in TBSs in the first transport block size table. The second transport block size table may be shown in Table 4 in the foregoing embodiment. For details, reference may be made to Table 4, which is not further described herein.

Still further, on the basis of the foregoing embodiment, any TBS in the second transport block size table may be a TBS in the first transport block size table, corresponding to a coding rate closest to the target coding rate.

When a TBS is determined in the second transport block size table shown in Table 4, the determined TBS value is a TBS in the first transport block size table, and a coding rate corresponding to the determined TBS value in the LTE REL.12 system with the system overhead of 12 REs is closer to the target coding rate than coding rates corresponding to other TBSs in the first transport block size table in the LTE REL.12 system with the system overhead of 12 REs, where the target coding rate may be a coding rate corresponding to the modulation and coding scheme level and the number of physical resource block pairs in LTE REL.8.

Alternatively, the second transport block size table may further be shown in Table 5 in the foregoing embodiment. For details, reference may be made to Table 5, which is not further described herein.

Further, the foregoing Table 4 and Table 5 may be optimized to form optimized second transport block size tables 4-1 and 5-1, so that coding rates corresponding to all TBSs included in a maximum modulation and coding scheme level in the optimized second transport block size tables are equal to a set coding rate, where the set coding rate, for example, may be 0.93. The optimized second transport block size tables 4-1 and 5-1 may be shown in Table 4-1 and Table 5-1 in the foregoing embodiment. For details, reference may be made to Table 4-1 and Table 5-1, which are not further described herein.

Optionally, some TBSs in the second transport block size table may be included in TBSs in the first transport block size table and some TBSs in the second transport block size table may be included in a set layer-2 data transport block size table. The second transport block size table may be shown in Table 6 in the foregoing embodiment. For details, reference may be made to Table 6, which is not further described herein.

Still further, on the basis of the foregoing embodiment, any TBS in the second transport block size table may be a TBS in the first transport block size table and the set layer-2 data transport block size table, corresponding to a coding rate closest to the target coding rate.

When a TBS is determined in the second transport block size table in Table 6, the determined TBS value is a TBS in the first transport block size table or the layer-2 data transport block size table, and a coding rate corresponding to the determined TBS value in the LTE REL.12 system with the system overhead of 12 REs is closer to the target coding rate than coding rates corresponding to other TBSs in the first transport block size table or the layer-2 data transport block size table in the LTE REL.12 system with the system overhead of 12 REs, where the target coding rate may be the coding rate corresponding to the modulation and coding scheme level and the number of physical resource block pairs in LTE REL.8.

Alternatively, the second transport block size table may be shown in Table 8 in the foregoing embodiment. For details, reference may be made to Table 8, which is not further described herein.

For all TBS values included in Table 8, some may be included in the layer-1 data transport block size table in LTE REL.8 shown in Table 1, and others may be included in the set layer-2 data transport block size table.

When a TBS is determined in the second transport block size table in Table 8, the determined TBS value is a TBS in the first transport block size table or the layer-2 data transport block size table, and a coding rate corresponding to the determined TBS value in the LTE REL.12 system with the system overhead of 12 REs is closer to the target coding rate than coding rates corresponding to other TBSs in the first transport block size table or the layer-2 data transport block size table in the LTE REL.12 system with the system overhead of 12 REs, where the target coding rate may be the optimized coding rate of the coding rate corresponding to the modulation and coding scheme level in LTE REL.8 shown in Table 3.

Further, the foregoing Table 6 and Table 8 may be optimized to form optimized second transport block size tables 6-1 and 8-1, so that coding rates corresponding to all TBSs included in a maximum modulation and coding scheme level in the optimized second transport block size tables are equal to a set coding rate, where the set coding rate, for example, may be 0.93. The optimized second transport block size tables 6-1 and 8-1 may be shown in Table 6-1 and Table 8-1 in the foregoing embodiment. For details, reference may be made to Table 6-1 and Table 8-1, which are not further described herein.

Optionally, all TBSs in the second transport block size table may be formed by newly designed elements, where the newly designed elements may be included and may also be not included in the layer-1 data transport block size table in LTE REL.8 shown in Table 1, and may be included and may also be not included in the set layer-2 data transport block size table shown in Table 7. The second transport block size table may be shown in Table 9 in the foregoing embodiment. For details, reference may be made to Table 9, which is not further described herein.

Still further, on the basis of the foregoing embodiment, any TBS in the second transport block size table may be a TBS designed according to the target coding rate. The coding rate corresponding to the TBS in the second transport block size table in the LTE REL.12 system with the system overhead of 12 REs may be the target coding rate, where the target coding rate may be the coding rate corresponding to the modulation and coding scheme level and the number of physical resource block pairs in LTE REL.8.

Alternatively, the second transport block size table may be shown in Table 10. All TBSs included in Table 10 may be formed by newly designed elements, where the newly designed elements may be included and may also be not included in the layer-1 data transport block size table in LTE REL.8 shown in Table 1, and may be included and may also be not included in the set layer-2 data transport block size table shown in Table 7.

Still further, on the basis of the foregoing embodiment, any TBS in the second transport block size table may be a TBS designed according to the target coding rate. The coding rate corresponding to the TBS in the second transport block size table in the LTE REL.12 system with the system overhead of 12 REs is the target coding rate, where the target coding rate may be the optimized coding rate of the coding rate corresponding to the modulation and coding scheme level in LTE REL.8 shown in Table 3.

Further, the foregoing Table 9 and Table 10 may be optimized to form optimized second transport block size tables 9-1 and 10-1, so that coding rates corresponding to all TBSs included in a maximum modulation and coding scheme level in the optimized second transport block size tables are equal to a set coding rate, where the set coding rate, for example, may be 0.93.

Persons of ordinary skill in the art may understand that all or a part of the steps of the method embodiments may be implemented by a program instructing relevant hardware. The program may be stored in a computer readable storage medium. When the program runs, the steps of the method embodiments are performed. The foregoing storage medium includes any medium that can store program codes, such as a read-only memory (ROM), a random access memory RAM, a magnetic disk, or an optical disc.

FIG. **3** is a schematic structural diagram of a first embodiment of a base station according to the present invention. As shown in FIG. **3**, a base station **300** of this embodiment includes a processor **301** and a transmitter **302**. The processor **301** may be configured to determine a modulation and coding scheme level, determine a time-frequency resource, and determine the number of physical resource block pairs according to the time-frequency resource; and may be further configured to select one transport block size table from a first transport block size table and a second transport block size table and determine a corresponding transport block size TBS in the selected first transport block size table or the selected second transport block size according to the modulation and coding scheme level and the number of physical resource block pairs, where any TBS in the second transport block size table is not smaller than a TBS in a corresponding position in the first transport block size table. The transmitter **302** may be configured to send service data to a user equipment using the determined TBS and may be further configured to send a system scheduling control signal to the user equipment, where the system scheduling control signal includes the modulation and coding scheme level and the time-frequency resource.

A base station of this embodiment determines, using a processor, a modulation and coding scheme level, determines a time-frequency resource, determines the number of physical resource block pairs according to the time-frequency resource, selects one transport block size table from a first transport block size table and a second transport block size table, and determines a corresponding transport block size TBS in the selected first transport block size table or the selected second transport block size table according to the

modulation and coding scheme level and the number of physical resource block pairs, where any TBS in the second transport block size table is not smaller than a TBS in a corresponding position in the first transport block size table; and a transmitter sends service data to a UE using the determined TBS, and sends a system scheduling control signal to the UE, where the system scheduling control signal includes the modulation and coding scheme level and the time-frequency resource. In this way, the base station implements selection of a transport block size table, so that a coding rate may be increased when the base station transmits the service data to the UE according to the TBS in the selected second transport block size table.

Further, coding rates corresponding to all TBSs included in a maximum modulation and coding scheme level in the first transport block size table may be equal to a set coding rate; and/or, coding rates corresponding to all TBSs included in a maximum modulation and coding scheme level in the second transport block size table may be equal to the set coding rate.

Further, the processor **301** may be configured to select one transport block size table from the first transport block size table and the second transport block size according to a system configuration parameter or a system overhead.

Further, the transmitter **302** may be configured to send a higher-layer signaling message to the user equipment, where the higher-layer signaling message carries instruction information that instructs selection of the first transport block size table or the second transport block size table.

Further, the transmitter **302** may be configured to send a downlink control message to the user equipment, where the downlink control message carries instruction information that instructs selection of the first transport block size table or the second transport block size table.

Further, the first transport block size table includes a layer-1 data transport block size table in a LTE REL.8 system.

Further, all TBSs in the second transport block size table may be included in TBSs in the first transport block size table.

Further, any TBS in the second transport block size table may be a TBS in the first transport block size table, corresponding to a coding rate closest to a target coding rate.

Further, some TBSs in the second transport block size table may be included in TBSs in the first transport block size table and some TBSs in the second transport block size table may be included in a set layer-2 data transport block size table.

Further, any TBS in the second transport block size table may be a TBS in the first transport block size table and the set layer-2 data transport block size table, corresponding to a coding rate closest to the target coding rate.

Further, the target coding rate is a coding rate corresponding to the modulation and coding scheme level and the number of physical resource block pairs in LTE REL.8; or, the target coding rate is an optimized coding rate of a coding rate corresponding to the modulation and coding scheme level and the number of physical resource block pairs in LTE REL.8.

FIG. **4** is a schematic structural diagram of a first embodiment of a user equipment of the present invention. As shown in FIG. **4**, a user equipment **400** of this embodiment includes a receiver **401** and a processor **402**. The receiver **401** may be configured to receive a system scheduling control signal from a base station, where the system scheduling control signal includes a modulation and coding scheme level and a time-frequency resource. The processor **402** may be configured to select one transport block size table from a first transport block size table and a second transport block size table, and determine a corresponding transport block size in the selected first transport block size table or the selected second transport block size table according to the modulation and coding scheme level and the number of physical resource block pairs, where any TBS in the second transport block size table is not smaller than a TBS in a corresponding position in the first transport block size table. The receiver **401** may be further configured to receive service data from the base station using the determined TBS.

A user equipment of this embodiment receives, using a receiver, a system scheduling control signal from a base station, where the system scheduling control signal includes a modulation and coding scheme level and a time-frequency resource, and receives service data from the base station using a determined TBS; and a processor selects one transport block size table from a first transport block size table and a second transport block size table, and determines the corresponding transport block size TBS in the selected first transport block size table or the selected second transport block size table according to the modulation and coding scheme level and the number of physical resource block pairs, where any TBS in the second transport block size table is not smaller than a TBS in a corresponding position in the first transport block size table. In this way, the UE implements selection of a transport block size table, so that a coding rate is improved when the UE receives the service data according to the TBS in the selected second transport block size table.

Further, coding rates corresponding to all TBSs included in a maximum modulation and coding scheme level in the first transport block size table may be equal to a set coding rate; and/or, coding rates corresponding to all TBSs included in a maximum modulation and coding scheme level in the second transport block size table may be equal to the set coding rate.

The processor **402** may be further configured to select one transport block size table from the first transport block size table and the second transport block size according to a system configuration parameter or a system overhead.

The receiver **401** may be further configured to receive a higher-layer signaling message from the base station before one transport block size table is selected from the first transport block size table and the second transport block size table, where the higher-layer signaling message carries instruction information that instructs selection of the first transport block size table or the second transport block size table.

The receiver **401** may be further configured to receive a downlink control message from the base station before one transport block size table is selected from the first transport block size table and the second transport block size table, where the downlink control message carries instruction information that instructs selection of the first transport block size table or the second transport block size table.

Further, the first transport block size table may include a layer-1 data transport block size table in a LTE REL.8 system.

Further, all TBSs in the second transport block size table may be included in TBSs in the first transport block size table.

Further, any TBS in the second transport block size table may be a TBS in the first transport block size table, corresponding to a coding rate closest to a target coding rate.

Further, some TBSs in the second transport block size table may be included in TBSs in the first transport block

size table and some TBSs in the second transport block size table may be included in a set layer-2 data transport block size table.

Further, any TBS in the second transport block size table may be a TBS in the first transport block size table and the set layer-2 data transport block size table, corresponding to a coding rate closest to the target coding rate.

Further, the target coding rate may be a coding rate corresponding to the modulation and coding scheme level and the number of physical resource block pairs in LTE REL.8; or, the target coding rate may be an optimized coding rate of a coding rate corresponding to the modulation and coding scheme level and the number of physical resource block pairs in LTE REL.8.

Finally, it should be noted that the foregoing embodiments are merely intended for describing the technical solutions of the present invention other than limiting the present invention. Although the present invention is described in detail with reference to the foregoing embodiments, persons of ordinary skill in the art should understand that they may still make modifications to the technical solutions described in the foregoing embodiments or make equivalent replacements to some or all technical features thereof, without departing from the scope of the technical solutions of the embodiments of the present invention.

What is claimed is:

1. A data transmission method comprising:

determining, by a base station, a modulation and coding scheme level;

determining, by the base station, a time-frequency resource;

determining a number of physical resource block pairs according to the time-frequency resource;

selecting, by the base station, a transport block size (TBS) table from a first TBS table and a second TBS table, wherein the first TBS table comprises columns representing the number of physical resource block pairs and rows representing a TBS index value, wherein the second TBS table comprises columns representing the number of physical resource block pairs and rows representing the TBS index value wherein selecting, by the base station, the TBS table from the first TBS table and the second TBS table comprises performing a comparison between a first TBS value in the first TBS table to a second TBS value in the second TBS table, wherein the first TBS value and the second TBS value are respectively in a same TBS index value and number of physical resource block pairs position in the first TBS table and the second TBS table, and wherein a result of the comparison is a factor in selecting, by the base station, the TBS table from the first TBS table and the second TBS table;

determining a corresponding TBS in the TBS table according to the modulation and coding scheme level and the number of physical resource block pairs, wherein any TBS in the second TBS table is not smaller than a TBS in a corresponding position in the first TBS table;

sending, by the base station, service data to a user equipment using the corresponding TBS; and

sending, by the base station, a system scheduling control signal to the user equipment, wherein the system scheduling control signal comprises the modulation and coding scheme level and the time-frequency resource.

2. The method according to claim **1**, wherein selecting, by the base station, the TBS table from the first TBS table and the second TBS table comprises selecting, by the base station, the TBS table from the first TBS table and the second TBS table according to at least one of a system configuration parameter and a system overhead.

3. The method according to claim **1**, further comprising sending, by the base station, a higher-layer signaling message to the user equipment, wherein the higher-layer signaling message comprises instruction information that instructs the user equipment to select the first TBS table or the second TBS table.

4. The method according to claim **1**, further comprising sending, by the base station, a downlink control message to the user equipment, wherein the downlink control message comprises instruction information that instructs selection of the first TBS table or the second TBS table.

5. The method according to claim **1**, wherein the first TBS table comprises a layer-1 data TBS table in a LTE REL.8 system, wherein all TBSs in the second TBS table are part of TBSs in the first TBS table, and wherein any TBS in the second TBS table is a TBS in the first TBS table corresponding to a coding rate closest to a target coding rate.

6. The method according to claim **1**, wherein the first TBS table comprises a layer-1 data TBS table ire a LTE REL.8 system, wherein a subset of TBSs in the second TBS table are part of TBSs in the first TBS table and a subset of TBSs in the second TBS table are part of a set layer-2 data TBS table, and wherein any TBS in the second TBS table is a TBS in the first TBS and the set layer-2 data TBS table corresponding to a coding rate closest to a target coding rate.

7. A data transmission method, comprising:

receiving, by a user equipment, a system scheduling control signal from a base station, wherein the system scheduling control signal comprises a modulation and coding scheme level and a time-frequency resource;

selecting, by the user equipment, a transport block size (TBS) table from a first TBS table and a second TBS table, wherein the first TBS table comprises columns representing a number of physical resource block pairs and rows representing a TBS index value, wherein the second TBS table comprises columns representing the number of physical resource block pairs and rows representing the TBS index value, wherein selecting, by the base station, the TBS table from the first TBS table and the second TBS table comprises performing a comparison between a first TBS value in the first TBS table to a second TBS value in the second TBS table, wherein the first TBS value and the second TBS value are respectively in a same TBS index value and number of physical resource block pairs position in the first TBS table and the second TBS table, and wherein a result of the comparison is a factor in selecting, by the base station, the TBS table from the first TBS table and the second TBS table;

determining a corresponding TBS in the TBS table according to the modulation and coding scheme level and the number of physical resource block pairs, wherein any TBS in the second TBS table is not smaller than a TBS in a corresponding position in the first TBS table; and

receiving, by the user equipment, service data from the base station using the corresponding TBS.

8. The method according to claim **7**, wherein selecting, by the user equipment, the TBS table from the first TBS table and the second TBS table comprises selecting, by the user equipment, the TBS table from the first TBS table and the second TBS table according to at least one of a system configuration parameter and a system overhead.

9. The method according to claim 7, further comprising receiving, by the user equipment, a higher-layer signaling message from the base station before the TBS table is selected, wherein the higher-layer signaling message comprises instruction information that instructs selection of the first TBS table or the second TBS table.

10. The method according to claim 7, further comprising receiving, by the user equipment, a downlink control message from the base station before the TBS table is selected, wherein the downlink control message comprises instruction information that instructs selection of the first TBS table or the second TBS table.

11. The method according to claim 7, wherein the first TBS table comprises a layer-1 data TBS table in a LTE REL.8 system, wherein all TBSs in the second TBS table are part of TBSs in the first TBS table, and wherein any TBS in the second TBS table is a TBS in the first TBS table corresponding to a coding rate closest to a target coding rate.

12. The method according to claim 7, wherein the first TBS table comprises a layer-1 data TBS table in a LTE REL.8 system, wherein a subset of TBSs in the second TBS table are part of TBSs in the first TBS table, wherein a subset of TBSs in the second TBS table are part of a set layer-2 data TBS table, and wherein any TBS in the second TBS table is a TBS in the first TBS and the set layer-2 data TBS table corresponding to a coding rate closest to a target coding rate.

13. A base station comprising:

a processor configured to:

determine a modulation and coding scheme level

determine a time-frequency resource;

determine a number of physical resource block pairs according to the time-frequency resource;

select a transport block size (TBS) table from a first TBS table and a second TBS table, wherein the first TBS table comprises columns representing the number of physical resource block pairs and rows representing a TBS index value, wherein the second TBS table comprises columns representing the number of physical resource block pairs and rows representing the TBS index value, wherein selecting, by the base station, the TBS table from the first TBS table and the second TBS table comprises performing a comparison between a first TBS value in the first TBS table to a second TBS value in the second TBS table, wherein the first TBS value and the second TBS value are respectively in a same TBS index value and number of physical resource block pairs position in the first TBS table and the second TBS table, and wherein a result of the comparison is a factor in selecting, by the base station, the TBS table from the first TBS table and the second TBS table; and

determine a corresponding TBS in the TBS table according to the modulation and coding scheme level and the number of physical resource block pairs, wherein any TBS in the second TBS table is not smaller than a TBS in a corresponding position in the first TBS table; and

a transmitter configured to:

send service data to a user equipment using the corresponding TBS; and

send a system scheduling control signal to the user equipment, wherein the system scheduling control signal comprises the modulation and coding scheme level and the time-frequency resource.

14. The base station according to claim 13, wherein the processor is further configured to select the TBS table from the first TBS table and the second TBS according to at least one of a system configuration parameter and a system overhead.

15. The base station according to claim 13, wherein the transmitter is further configured to send a higher-layer signaling message to the user equipment, and wherein the higher-layer signaling message comprises instruction information that instructs selection of the first TBS table or the second TBS table.

16. The base station according to claim 13, wherein the transmitter is further configured to send a downlink control message to the user equipment, and wherein the downlink control message comprises instruction information that instructs selection of the first TBS table or the second TBS table.

17. The base station according to claim 13, wherein the first TBS table comprises a layer-1 data TBS table in a LTE REL.8 system, wherein all TBSs in the second TBS table are part of TBSs in the first TBS table, and wherein any TBS in the second TBS table is a TBS in the first TBS table corresponding to a coding rate closest to a target coding rate.

18. The base station according to claim 13, wherein the first TBS table comprises a layer-1 data TBS table in a LTE REL.8 system, wherein a subset of TBSs in the second TBS table are part of TBSs in the first TBS table and a subset of TBSs in the second TBS table are part of a set layer-2 data TBS table, and wherein any TBS in the second TBS table is a TBS in the first TBS and the set layer-2 data TBS table corresponding to a coding rate closest to a target coding rate.

19. A user equipment comprising:

a receiver configured to receive a system scheduling control signal from a base station, wherein the system scheduling control signal comprises a modulation and coding scheme level and a time-frequency resource; and

a processor configured to:

select transport block size (TBS) table from a first TBS table and a second TBS table, wherein the first TBS table comprises columns representing a number of physical resource block pairs and rows representing a TBS index value, wherein the second TBS table comprises columns representing the number of physical resource block pairs and rows representing the TBS index value, wherein selecting, by the base station, the TBS table from the first TBS table and the second TBS table comprises performing a comparison between a first TBS value in the first TBS table to a second TBS value in the second TBS table, wherein the first TBS value and the second TBS value are respectively in a same TBS index value and number of physical resource block pairs position in the first TBS table and the second TBS table, and wherein a result of the comparison is a factor in selecting, by the base station, the TBS table from the first TBS table and the second TBS table; and

determine a corresponding TBS in the TBS table according to the modulation and coding scheme level and the number of physical resource block pairs, wherein any TBS in the second TBS table is not smaller than a TBS in a corresponding position in the first TBS table, and

wherein the receiver is further configured to receive service data from the base station using the corresponding TBS.

20. The user equipment according to claim 19, wherein the processor is further configured to select the TBS table

from the first TBS table and the second TBS table according to at least one of a system configuration parameter and a system overhead.

21. The user equipment according to claim **19**, wherein the receiver is further configured to receive a higher-layer signaling message from the base station before the TBS table is selected from the first TBS table and the second TBS table, and wherein the higher-layer signaling message comprises instruction information that instructs selection of the first TBS table or the second TBS table.

22. The user equipment according to claim **19**, wherein the receiver is further configured to receive a downlink control message from the base station before the TBS table is selected from the first TBS table and the second TBS table, and wherein the downlink control message comprises instruction information that instructs selection of the first TBS table or the second TBS table.

23. The user equipment according to claim **19**, wherein the first TBS table comprises a layer-1 data TBS table in a LTE REL.8 system, wherein all TBSs in the second TBS table are part of TBSs in the first TBS table, and wherein any TBS in the second TBS table is a TBS in the first TBS table corresponding to a coding rate closest to a target coding rate.

24. The user equipment according to claim **19**, wherein the first TBS table comprises a layer-1 data TBS table in a LTE REL.8 system, wherein a subset of TBSs in the second TBS table are part of TBSs in the first TBS table and a subset of TBSs in the second TBS table are part of a set layer-2 data TBS table, and wherein any TBS in the second TBS table is a TBS in the first TBS and the set layer-2 data TBS table corresponding to a coding rate closest to a target coding rate.

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