FIG.1

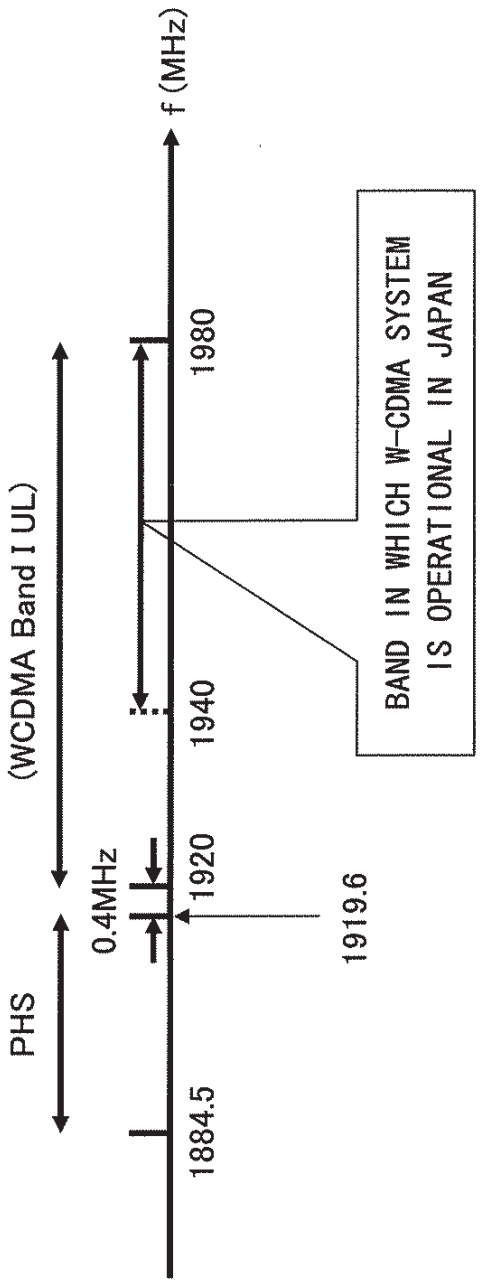

f (MHz)
1980
1940
1920
1919.6
1884.5
IMT2000 UL
(WCDMA Band I UL)
PHS
0.4MHz
BAND IN WHICH W-CDMA SYSTEM
IS OPERATIONAL IN JAPAN

FIG.2

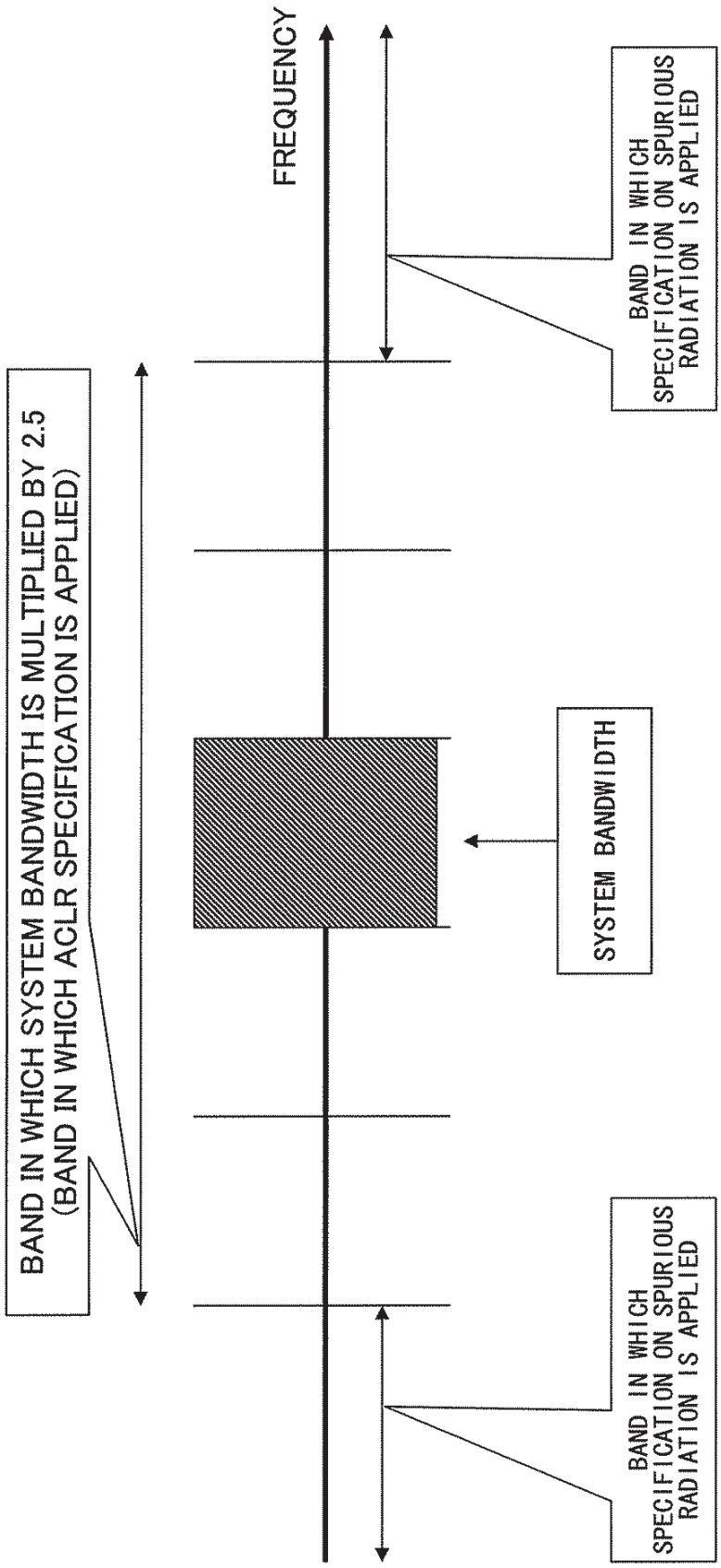

FREQUENCY
BAND IN WHICH SYSTEM BANDWIDTH IS MULTIPLIED BY 2.5
(BAND IN WHICH ACLR SPECIFICATION IS APPLIED)
SYSTEM BANDWIDTH
BAND IN WHICH SPECIFICATION ON SPURIOUS RADIATION IS APPLIED
BAND IN WHICH SPECIFICATION ON SPURIOUS RADIATION IS APPLIED

FIG.3

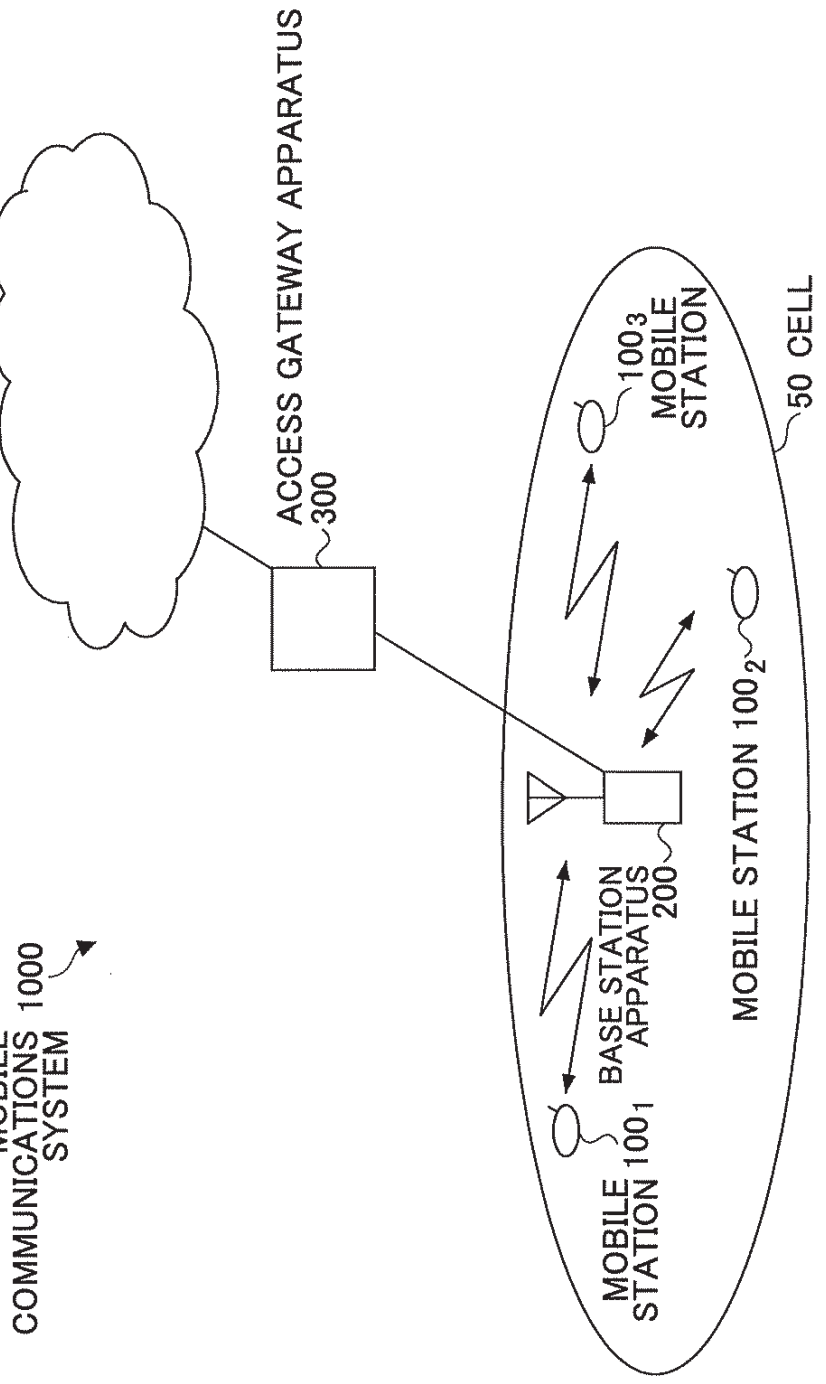

CORE NETWORK
400
ACCESS GATEWAY APPARATUS
300
MOBILE COMMUNICATIONS SYSTEM
1000
BASE STATION APPARATUS
200
MOBILE STATION 100$_1$
MOBILE STATION 100$_2$
100$_3$ MOBILE STATION
50 CELL

FIG.4

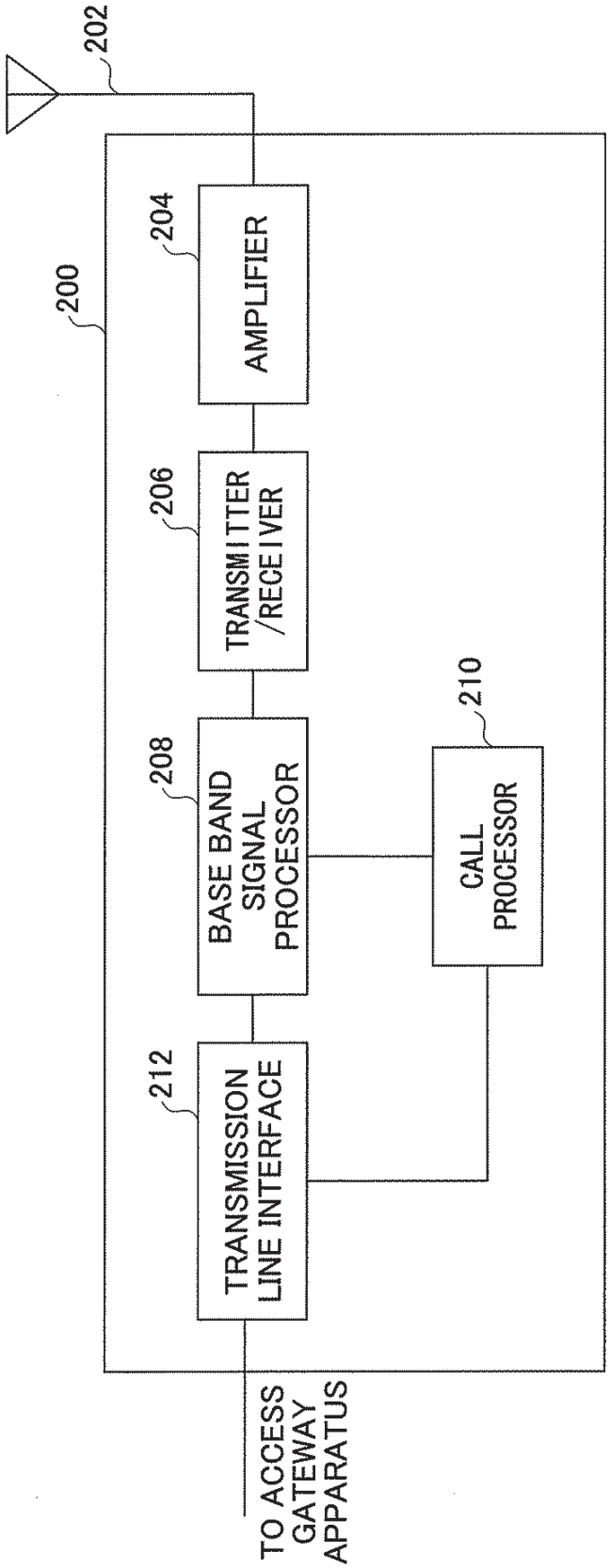

202
200
204
AMPLIFIER
206
TRANSMITTER /RECEIVER
208
BASE BAND SIGNAL PROCESSOR
210
CALL PROCESSOR
212
TRANSMISSION LINE INTERFACE
TO ACCESS GATEWAY APPARATUS

FIG.5

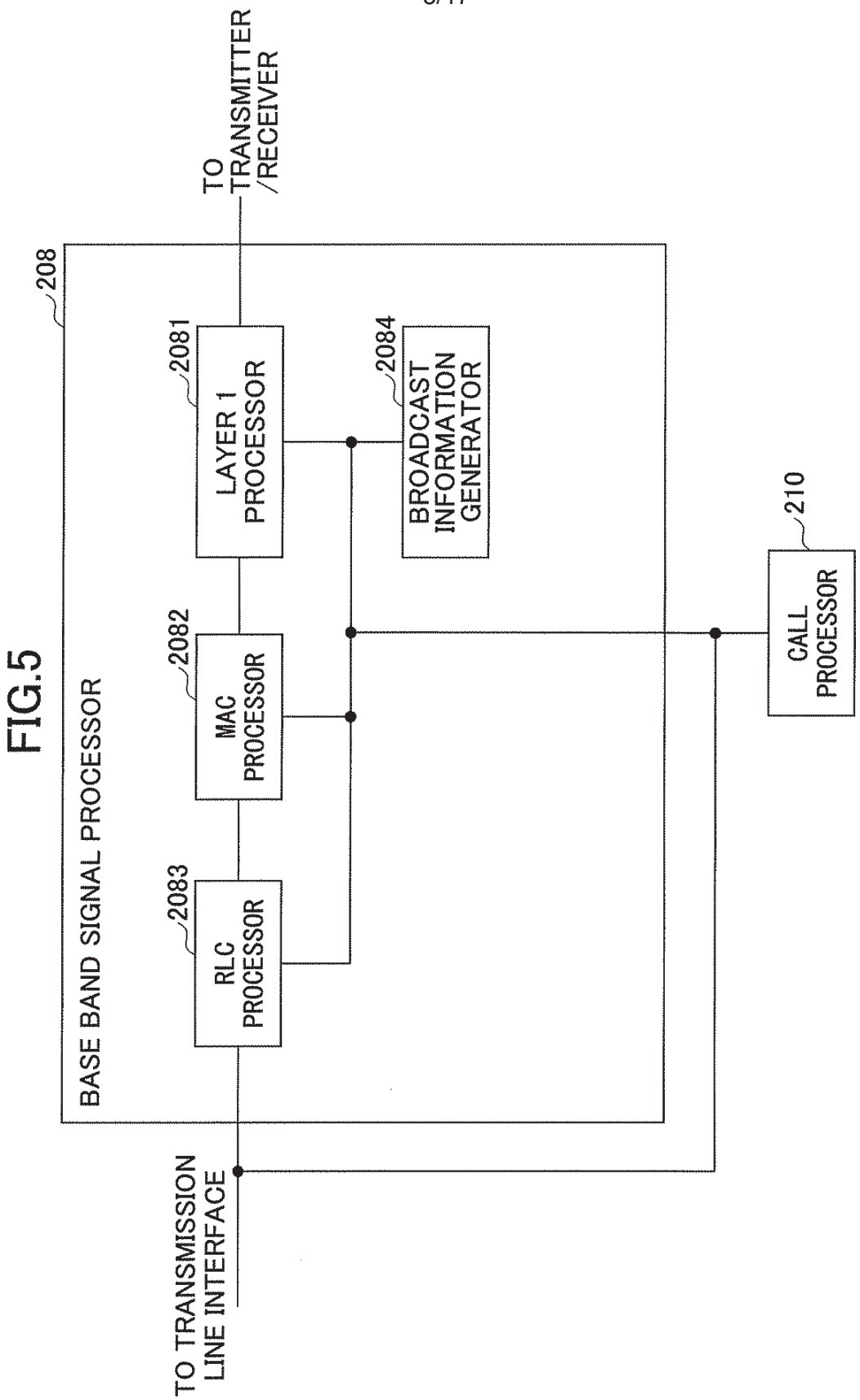

208
BASE BAND SIGNAL PROCESSOR
2081
LAYER 1 PROCESSOR
2082
MAC PROCESSOR
2083
RLC PROCESSOR
2084
BROADCAST INFORMATION GENERATOR
210
CALL PROCESSOR
TO TRANSMITTER /RECEIVER
TO TRANSMISSION LINE INTERFACE

FIG.6

AMOUNT OF FREQUENCY RESOURCE (NUMBER OF RESOURCE BLOCKS)	MODULATION SCHEME	MAXIMUM TRANSMIT POWER	TOLERANCE	AMOUNT OF REDUCTION FROM NOMINAL POWER
<1440kHz (<8)	QPSK	24dBm	+1/−3dB	0dB
<1440kHz (<8)	16QAM	24dBm	+1/−3dB	0dB
1440kHz≦ AND <2880kHz (8≦ AND <16)	QPSK	23dBm	+2/−3dB	1dB
1440kHz≦ AND <2880kHz (8≦ AND <16)	16QAM	22.5dBm	+2.5/−3dB	1.5dB
2880kHz≦ AND <9MHz (16≦ AND <50)	QPSK OR 16QAM	22dBm	+3/−3dB	2dB
9MHz≦ AND ≦18MHz (50≦ AND ≦100)	QPSK OR 16QAM	22dBm	+3/−3dB	2dB

(NOMINAL POWER AT 24dBm
FREQUENCY BANDWIDTH OF
ONE RESOURCE BLOCK AT 180kHz)

TABLE A

AMOUNT OF FREQUENCY RESOURCE (NUMBER OF RESOURCE BLOCKS)	MODULATION SCHEME	MAXIMUM TRANSMIT POWER	TOLERANCE	AMOUNT OF REDUCTION FROM NOMINAL POWER
<1440kHz (<8)	QPSK OR 16QAM	24dBm	+1/−3dB	0dB
1440kHz≦ AND <2880kHz (8≦ AND <16)	QPSK OR 16QAM	23dBm	+2/−3dB	1dB
2880kHz≦ AND <9MHz (16≦ AND <50)	QPSK OR 16QAM	22dBm	+3/−3dB	2dB
9MHz≦ AND ≦18MHz (50≦ AND ≦100)	QPSK OR 16QAM	22dBm	+3/−3dB	2dB

TABLE B

AMOUNT OF FREQUENCY RESOURCE (NUMBER OF RESOURCE BLOCKS)	MODULATION SCHEME	MAXIMUM TRANSMIT POWER	TOLERANCE	AMOUNT OF REDUCTION FROM NOMINAL POWER
<1440kHz (<8)	QPSK OR 16QAM	24dBm	+1/−3dB	0dB
1440kHz≦ AND <2880kHz (8≦ AND <16)	QPSK OR 16QAM	22dBm	+3/−3dB	2dB
2880kHz≦ AND <9MHz (16≦ AND <50)	QPSK OR 16QAM	20dBm	+5/−3dB	4dB
9MHz≦ AND ≦18MHz (50≦ AND ≦100)	QPSK OR 16QAM	18dBm	+7/−3dB	6dB

(NOMINAL POWER AT 24dBm
FREQUENCY BANDWIDTH OF
ONE RESOURCE BLOCK AT 180kHz)

FIG.7

AMOUNT OF FREQUENCY RESOURCE (NUMBER OF RESOURCE BLOCKS)	MODULATION SCHEME	CENTER FREQUENCY OF FREQUENCY BAND	MAXIMUM TRANSMIT POWER	TOLERANCE	AMOUNT OF REDUCTION FROM NOMINAL POWER
<1440kHz (<8)	QPSK	1920MHz TO 1940MHz	23dBm	+2/−3dB	1dB
<1440kHz (<8)	16QAM	1920MHz TO 1940MHz	23.5dBm	+1.5/−3dB	0.5dB
<1440kHz (<8)	QPSK	1940MHz TO 1960MHz	24dBm	+1/−3dB	0dB
<1440kHz (<8)	16QAM	1940MHz TO 1960MHz	24dBm	+1/−3dB	0dB
1440kHz≦ AND <2880kHz (8≦ AND <16)	QPSK OR 16QAM	1920MHz TO 1940MHz	20dBm	+5/−3dB	4dB
1440kHz≦ AND <2880kHz (8≦ AND <16)	QPSK OR 16QAM	1940MHz TO 1960MHz	22dBm	+3/−3dB	2dB
9MHz≦ AND ≦18MHz (50≦ AND ≦100)	QPSK OR 16QAM	1920MHz TO 1960MHz	18dBm	+7/−3dB	6dB

NOMINAL POWER AT 24dBm
FREQUENCY BANDWIDTH OF
ONE RESOURCE BLOCK AT 180kHz

FIG.8A

FIG.8B

Network Signaling value	Requirements (sub-clause)	E-UTRA Band	Channel bandwidth (MHz)	Resource Blocks	A-MPR (dB)
NS_01	–	–	–		
NS_02	6.6.2.4.1	1, 6, 9,10,11	10	> [30]	≤ 2
NS_03	6.6.2.2.1	2, 4,10, 35, 36	3	>[5]	
	6.6.2.2.1	2, 4,10, 35,36	5	>[5]	
	6.6.2.2.1	2, 4,10, 35,36	10	>[7]	
	6.6.2.2.1	2, 4,10,35,36	15	TBD	
	6.6.2.2.1	2, 4,10,35, 36	20	TBD	
NS_04	6.6.2.2.2	TBD	TBD	TBD	
NS_05	6.6.3.3.1	1[2]	10,15,20	> [50] for QPSK	≤ 1
NS_06	–	–	–		
..					
NS_32	–	–	–	–	–

Note: 0 ≤A-MPR ≤ 3
Note2: APPLICABLE WHEN ALLOCATED E-UTRA UPLINK FREQUENCY BANDWIDTH ≧ (1920MHz + ALLOCATED CHANNEL BANDWIDTH)

FIG.8C

SYSTEM INFORMATION BLOCK

```
-- ASN1START
SystemInformationBlockType2 ::=   SEQUENCE {
  accessBarringInformation      SEQUENCE {
    accessBarringForTerminatingCallsBOOLEAN,
    accessProbabilityFactor          INTEGER (0),
    accessClassBarringTime          AccessClassBarringTime,
    accessClassBarringList          SEQUENCE (SIZE (6)) OF SEQUENCE {
      accessClassBarring            BOOLEAN
    }
  }   OPTIONAL,
  semiStaticCommonChConfig      SemiStaticCommonChConfigSIB,
  semiStaticSharedChConfig      SemiStaticSharedChConfig,
  ue-TimersAndConstants         UE-TimersAndConstants,
  frequencyInformation        SEQUENCE {
    ul-EARFCN                INTEGER (0..maxEARFCN)
    ul-Bandwitdh              ENUMERATED ,
    additionalSpectrumEmission      INTEGER (0..31)
  },
  ...
}
AccessClassBarringTime ::=      ENUMERATED {
                        min2, min3, min4, min5, min7, min10, min14, min20}
-- ASN1STOP
```

FIG.8D

accessBarringInformation	INFORMATION ON ACCESS RESTRICTION "accessBarringForTerminatingCalls", WHICH IS INFORMATION SHOWING WHETHER ACCESS RESTRICTION IS APPLIED; "accessProbabilityFactor", WHICH SHOWS PROPORTION AND PROBABILITY WHEN ACCESS RESTRICTION IS APPLIED; "accessClassBarringTime", WHICH SHOWS RESTRICTION TIME WHEN ACCESS RESTRICTION IS APPLIED; AND "accessClassBarringList", WHICH SHOWS CLASS FOR APPLYING ACCESS RESTRICTION
semiStaticCommonChConfig	INFORMATION ON CONFIGURATION OF SEMI-STATIC COMMON CHANNEL
semiStaticSharedChConfig	INFORMATION ON CONFIGURATION OF SEMI-STATIC SHARED CHANNEL
ue-TimersAndConstants	INFORMATION ON TIMER AND CONSTANT USED IN MOBILE STATION
frequencyInformation	INFORMATION ON FREQUENCY, INCLUDING ul-EARFCN, WHICH SHOWS FREQUENCY; ul-Bandwidth, WHICH SHOWS SYSTEM BANDWIDTH; AND additionalSpectrumEmission, WHICH SHOWS INFORMATION ON ADDITIONALLY APPLIED SPURIOUS EMISSION

MOBILITY CONTROL INFORMATION

FIG.8E

```
-- ASN1START

MobilityControlInformation ::=    SEQUENCE {
    targetCellIdentity                PhysicalCellIdentity,
    eutra-CarrierFreq                 EUTRA-CarrierFreq              OPTIONAL,
    eutra-CarrierBandwidth            EUTRA-CarrierBandwitdh         OPTIONAL,
    additionalSpectrumEmission        INTEGER (0..31)                OPTIONAL,
    semiStaticCommonChConfig          SemiStaticCommonChConfig       OPTIONAL,
    dedicatedRandomAccessParams       DedicatedRandomAccessParams    OPTIONAL
  }

EUTRA-CarrierBandwitdh ::=       SEQUENCE {
    dl-Bandwidth                      ENUMERATED
    ul-Bandwitdh                      ENUMERATED
  }

-- ASN1STOP
```

FIG.8F

MobilityControlInformation	INFORMATION ON MOBILITY CONTROL, INCLUDING "targetCellIdentity", WHICH IS TARGET CELL IDENTIFIER; "eutra-CarrierBandwidth", WHICH IS INFORMATION ON SYSTEM BANDWIDTH; additionalSpectrumEmission, WHICH SHOWS INFORMATION ON ADDITIONALLY APPLIED SPURIOUS EMISSION; INFORMATION ON CONFIGURATION OF SEMI-STATIC COMMON CHANNEL; AND PARAMETER ON DEDICATED RANDOM ACCESS
EUTRA-CarrierBandwidth	INFORMATION ON SYSTEM BANDWIDTH, INCLUDING DOWNLINK BANDWIDTH AND UPLINK BANDWIDTH

FIG.9

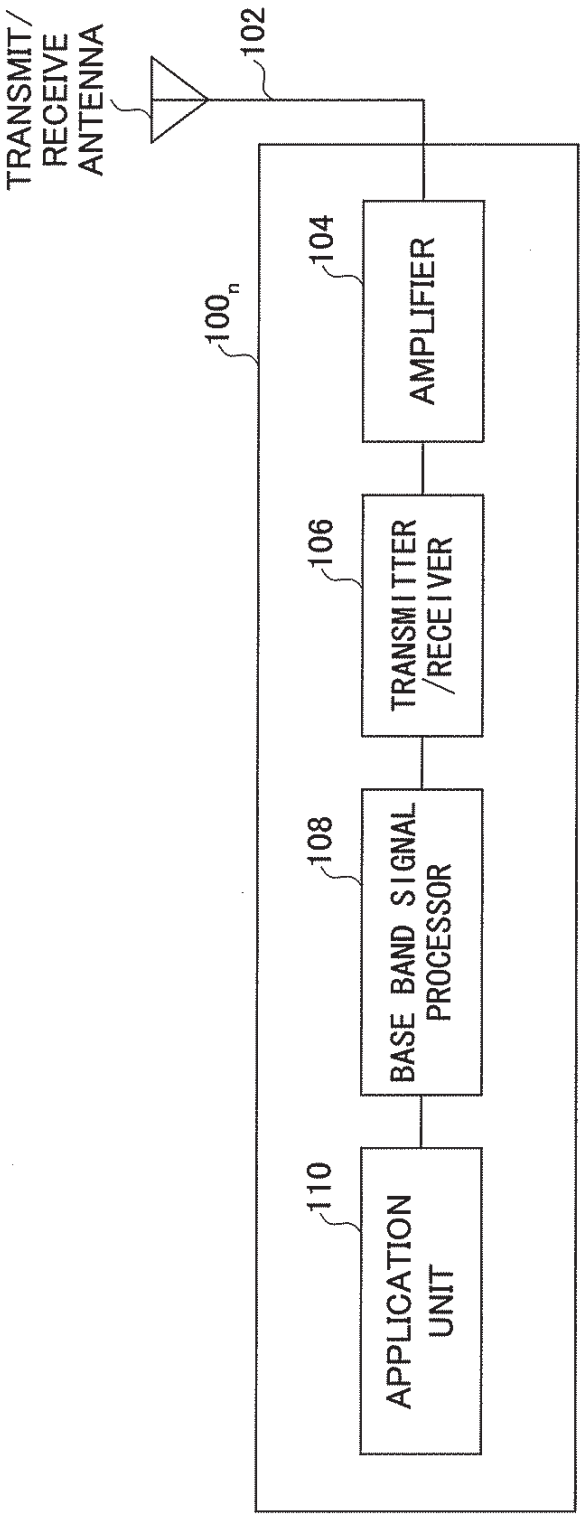

TRANSMIT/
RECEIVE
ANTENNA
102
100_n
104
AMPLIFIER
106
TRANSMITTER
/RECEIVER
108
BASE BAND SIGNAL
PROCESSOR
110
APPLICATION
UNIT

FIG.10

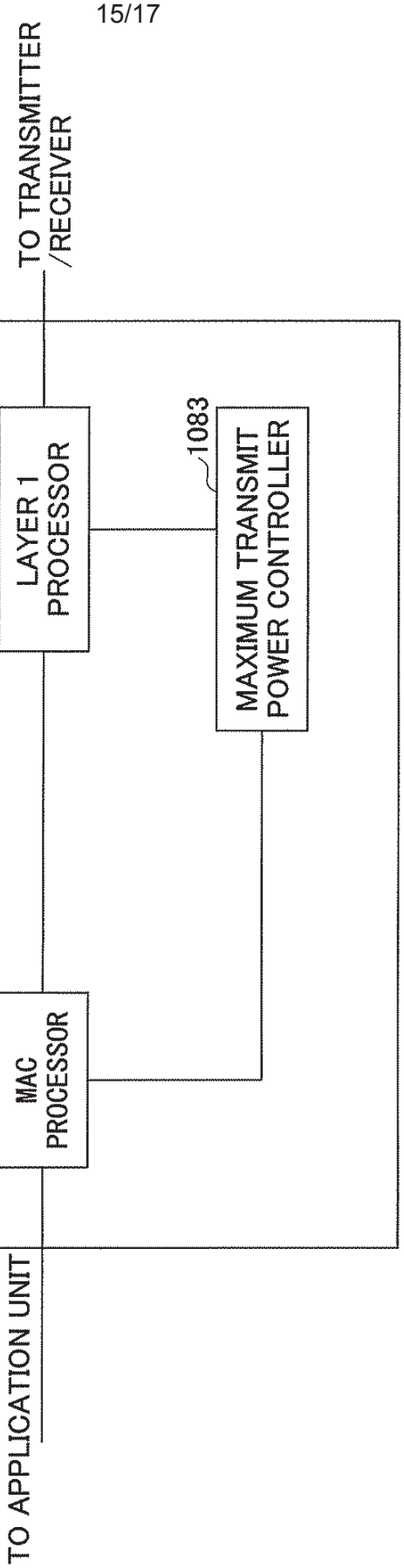

TO TRANSMITTER /RECEIVER
108
BASE BAND SIGNAL PROCESSOR
1081
LAYER 1 PROCESSOR
1083
MAXIMUM TRANSMIT POWER CONTROLLER
1082
MAC PROCESSOR
TO APPLICATION UNIT

FIG.11

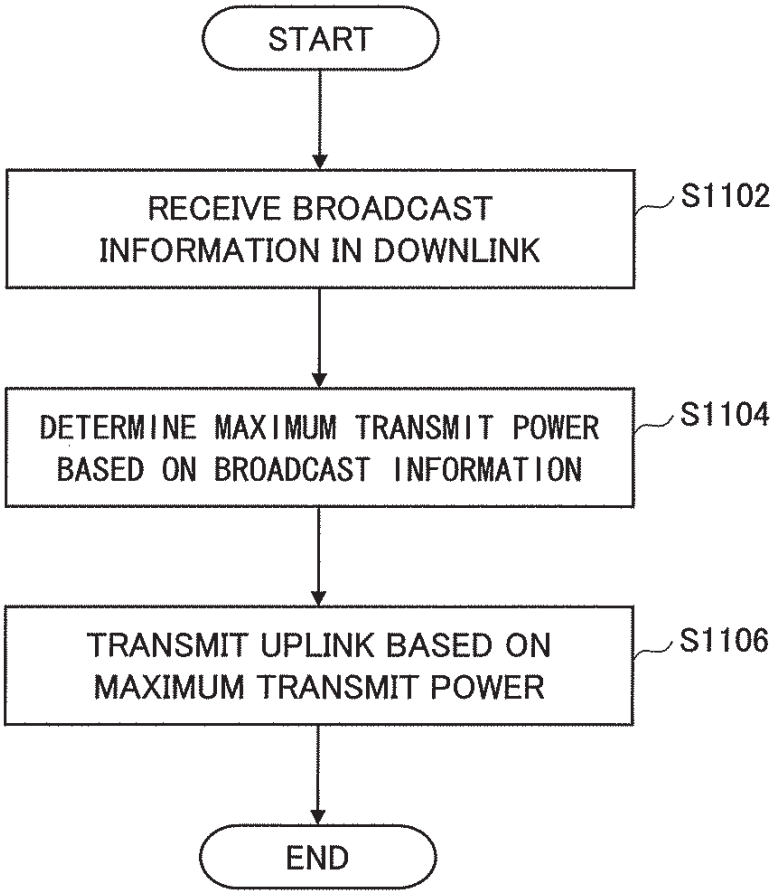

START
RECEIVE BROADCAST INFORMATION IN DOWNLINK
S1102
DETERMINE MAXIMUM TRANSMIT POWER BASED ON BROADCAST INFORMATION
S1104
TRANSMIT UPLINK BASED ON MAXIMUM TRANSMIT POWER
S1106
END

FIG.12

INFORMATION ELEMENT	SETTING RANGE	UNIT	SETTING EXAMPLE
MAXIMUM ALLOWED TRANSMIT POWER (NUMBER OF RESOURCE BLOCKS ≦ 25)	INTEGER (-50 TO 33)	dBm	24 dBm
MAXIMUM ALLOWED TRANSMIT POWER (25< NUMBER OF RESOURCE BLOCKS ≦ 50)	INTEGER (-50 TO 33)	dBm	21 dBm
MAXIMUM ALLOWED TRANSMIT POWER (50< NUMBER OF RESOURCE BLOCKS ≦ 75)	INTEGER (-50 TO 33)	dBm	18 dBm
MAXIMUM ALLOWED TRANSMIT POWER (75< NUMBER OF RESOURCE BLOCKS ≦100)	INTEGER (-50 TO 33)	dBm	14 dBm