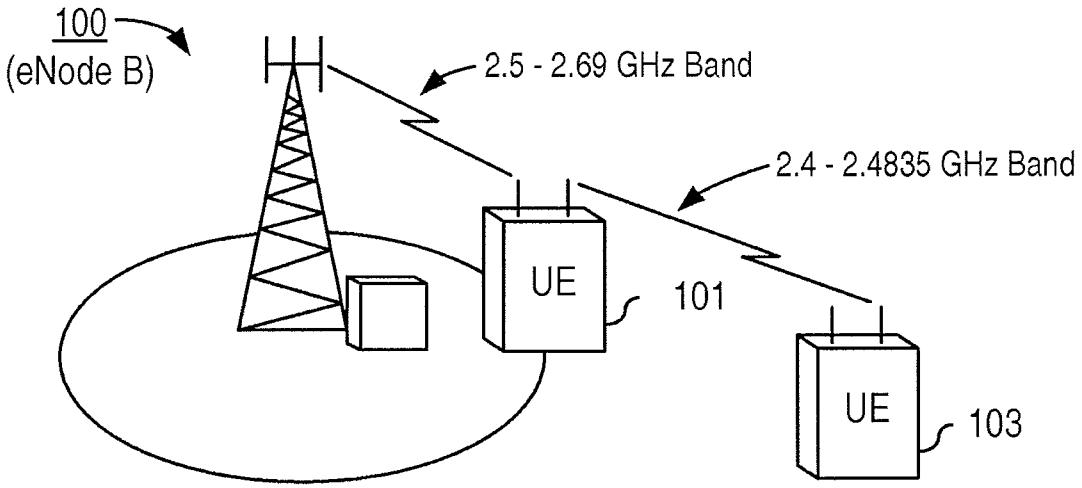


FIG. 1

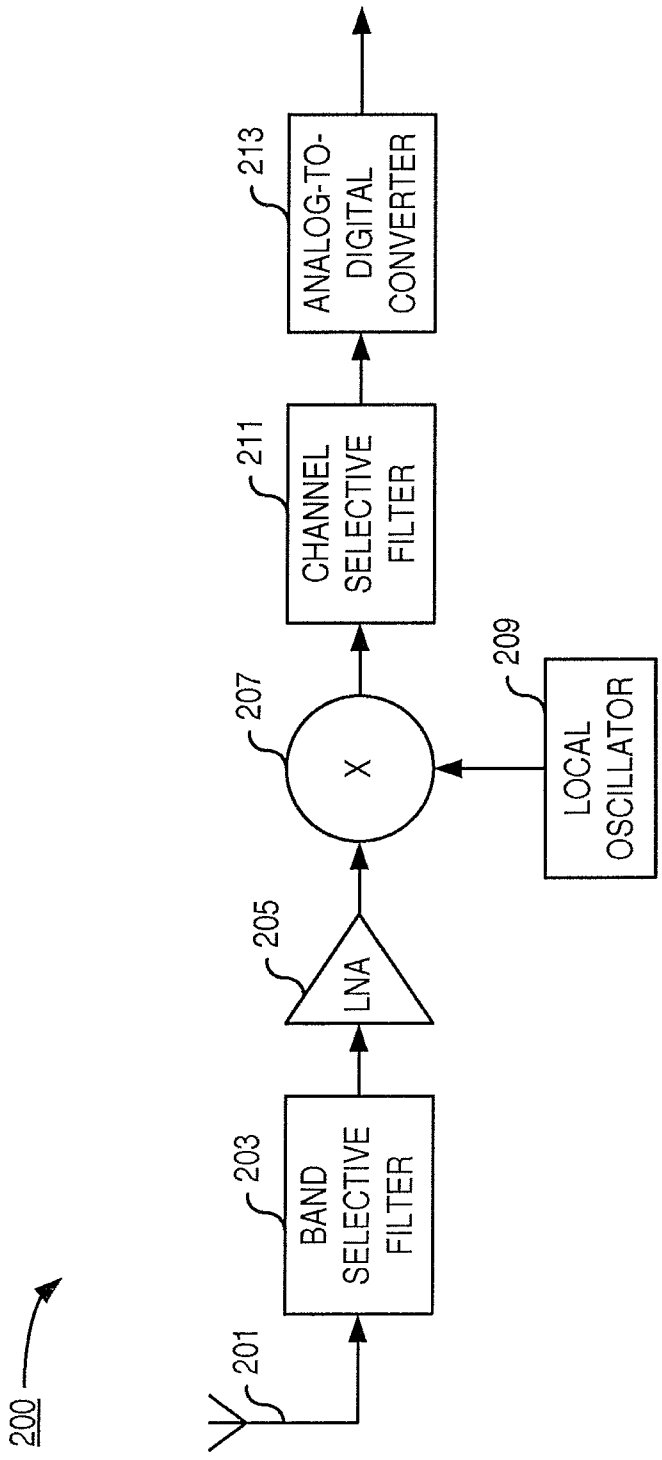

200
201
203
BAND SELECTIVE FILTER
205
LNA
207
X
209
LOCAL OSCILLATOR
211
CHANNEL SELECTIVE FILTER
213
ANALOG-TO-DIGITAL CONVERTER

FIG. 2

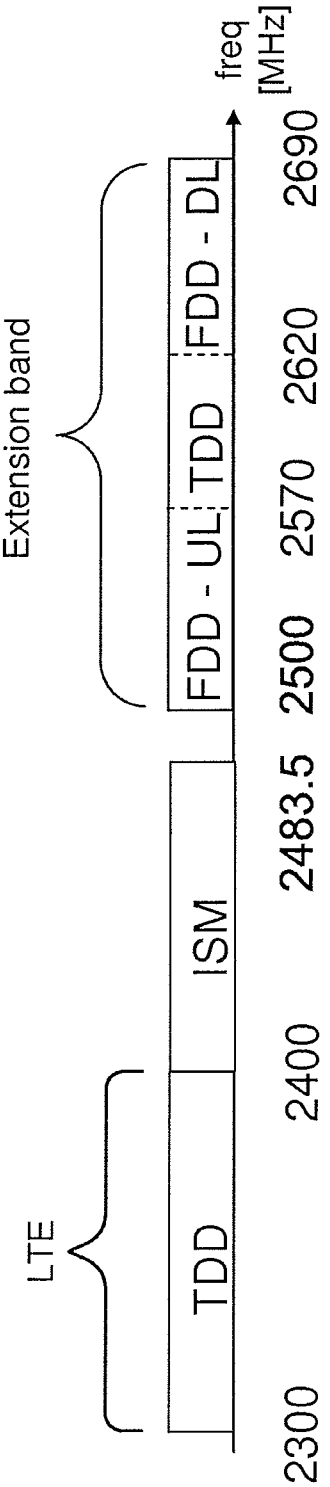

LTE
TDD
ISM
FDD - UL
TDD
FDD - DL
LTE
Extension band
freq
[MHz]
2300
2400
2483.5
2500
2570
2620
2690

FIG. 3

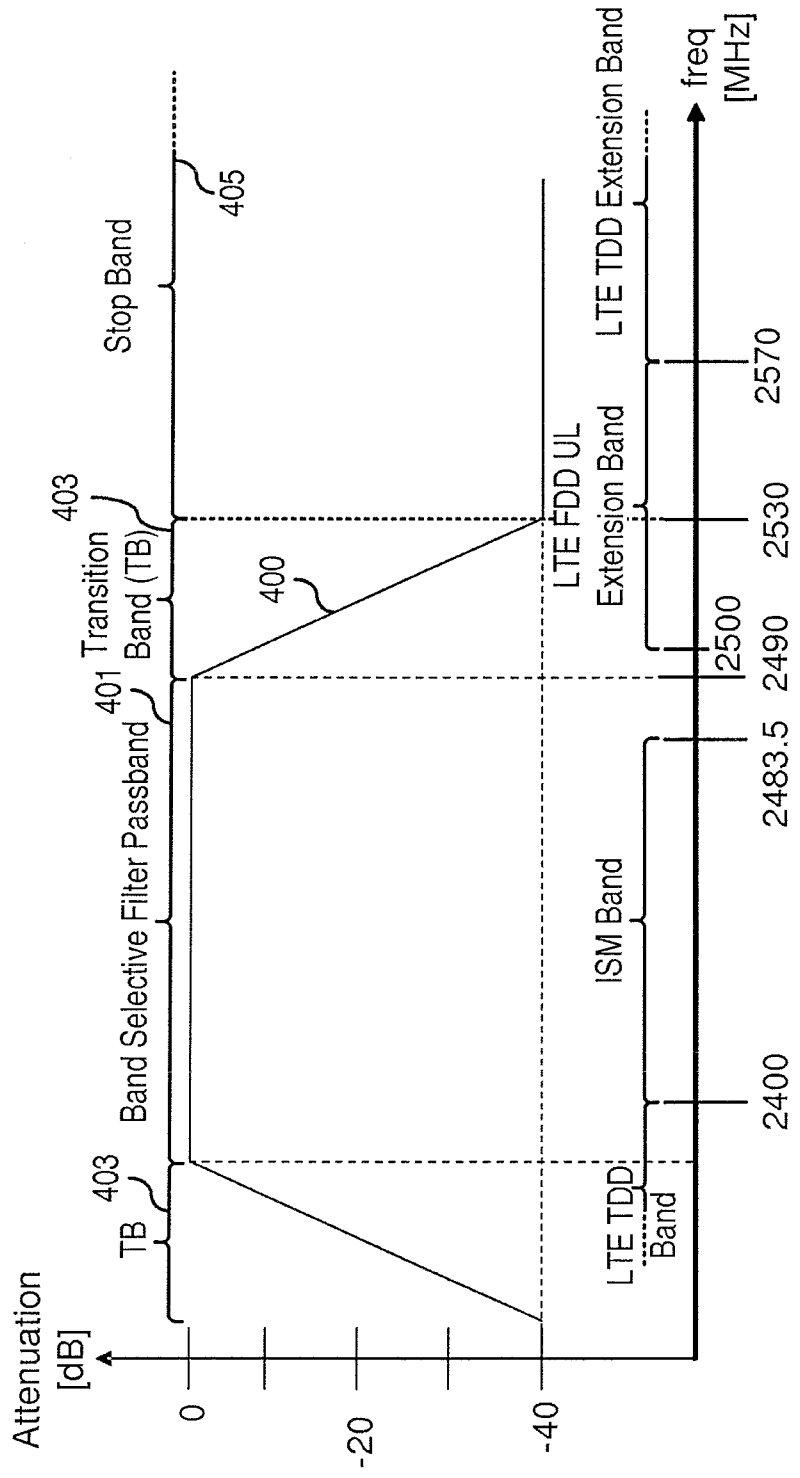

Attenuation
[dB]
0
-20
-40
TB
403
Band Selective Filter Passband
401
Transition
Band (TB)
403
Stop Band
405
400
LTE TDD
Band
ISM Band
LTE FDD UL
Extension Band
LTE TDD Extension Band
2400
2483.5
2490
2500
2530
2570
freq
[MHz]

FIG. 4

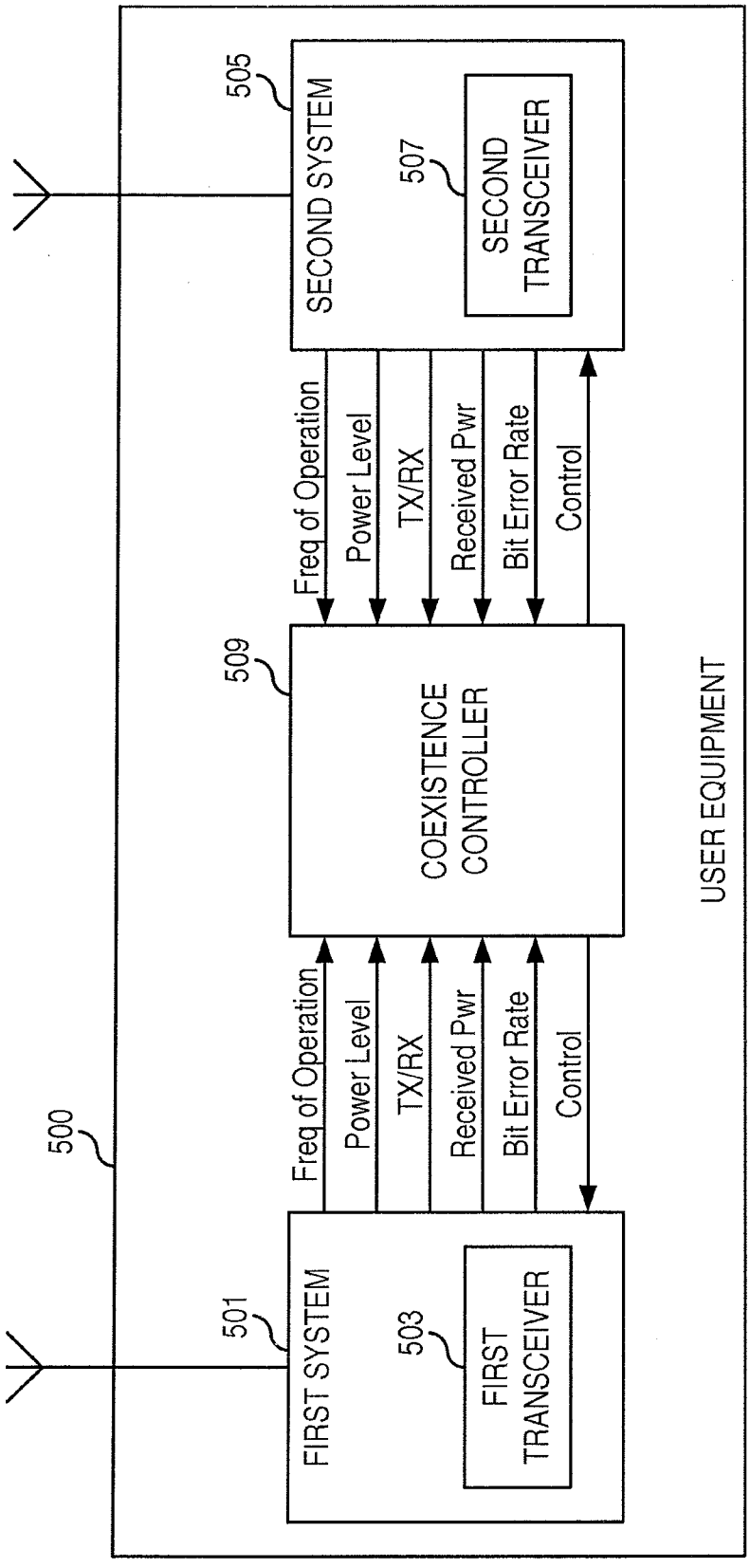

500
USER EQUIPMENT
501
FIRST SYSTEM
503
FIRST TRANSCEIVER
505
SECOND SYSTEM
507
SECOND TRANSCEIVER
509
COEXISTENCE CONTROLLER
Freq of Operation
Power Level
TX/RX
Received Pwr
Bit Error Rate
Control
Freq of Operation
Power Level
TX/RX
Received Pwr
Bit Error Rate
Control

FIG. 5

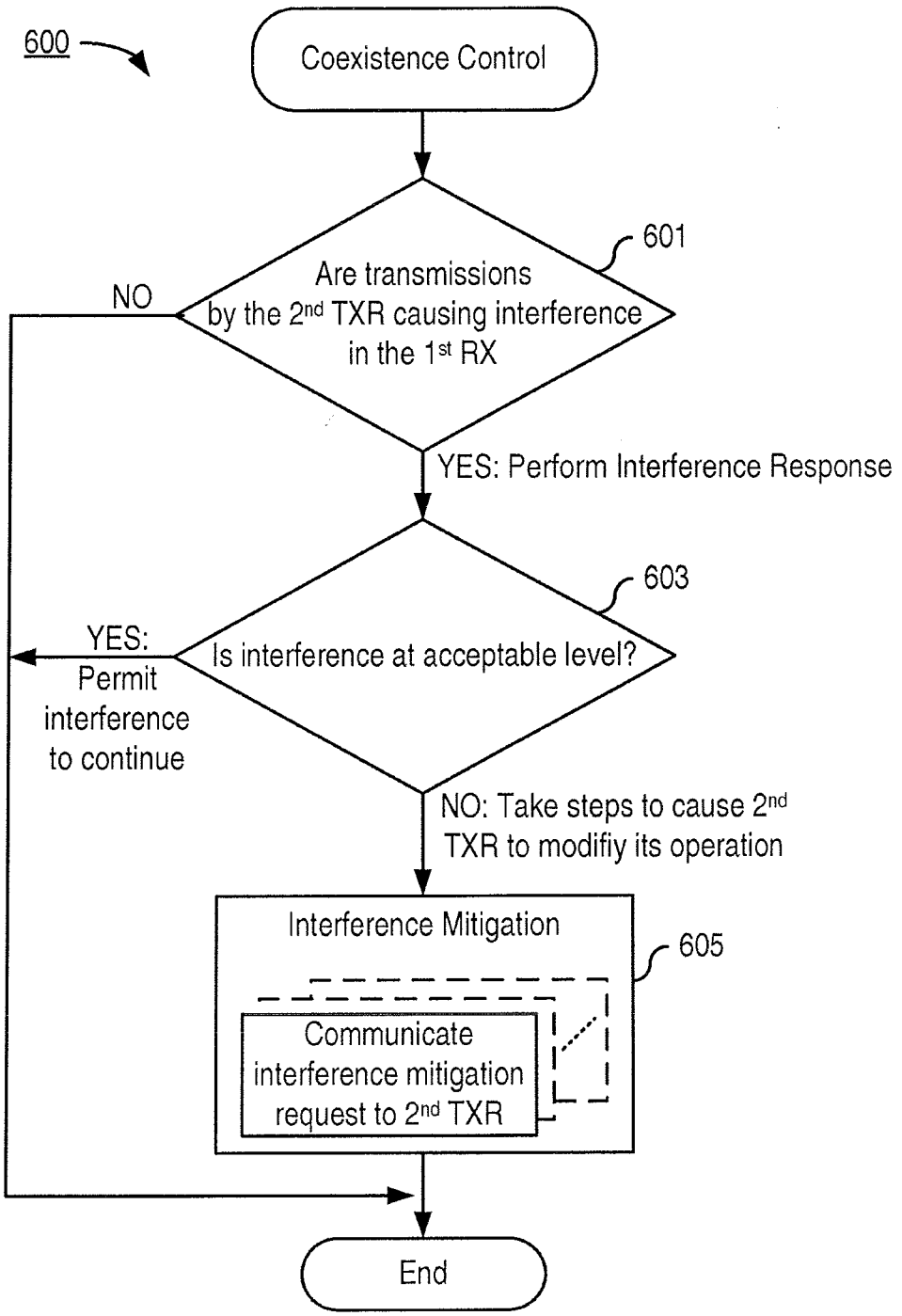

600
Coexistence Control
601
Are transmissions by the 2nd TXR causing interference in the 1st RX
NO
YES: Perform Interference Response
603
Is interference at acceptable level?
YES: Permit interference to continue
NO: Take steps to cause 2nd TXR to modifiy its operation
Interference Mitigation
605
Communicate interference mitigation request to 2nd TXR
End

FIG. 6