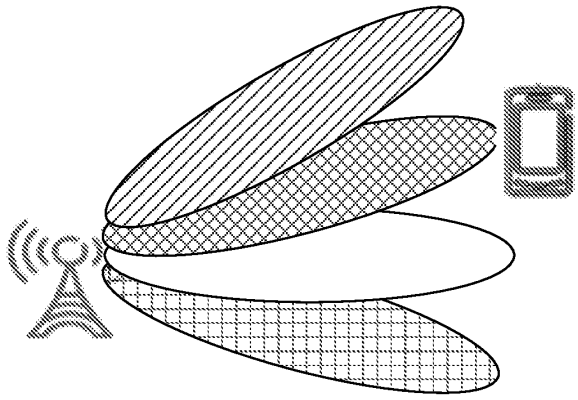

FIG. 1

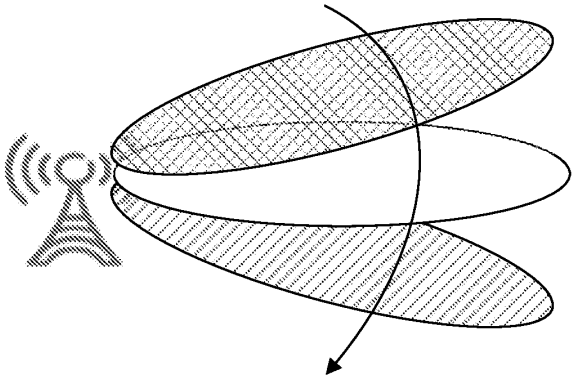

FIG. 2

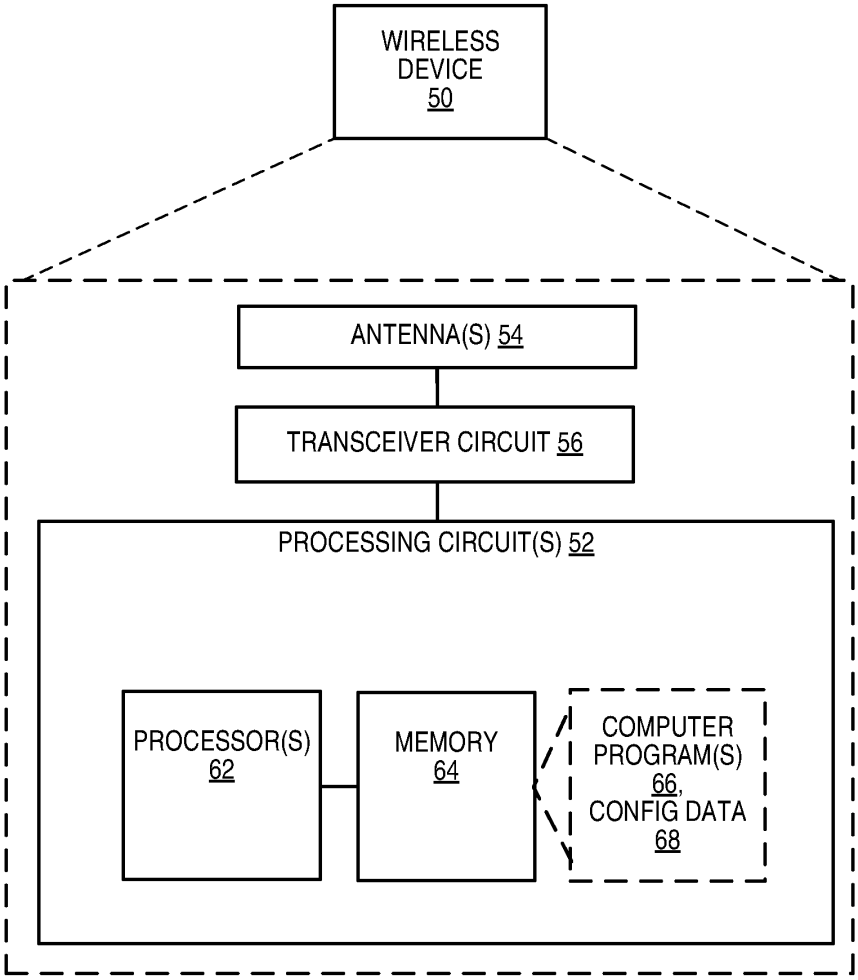
WIRELESS DEVICE 50
ANTENNA(S) 54
TRANSCEIVER CIRCUIT 56
PROCESSING CIRCUIT(S) 52
PROCESSOR(S) 62
MEMORY 64
COMPUTER PROGRAM(S) 66, CONFIG DATA 68

FIG. 3

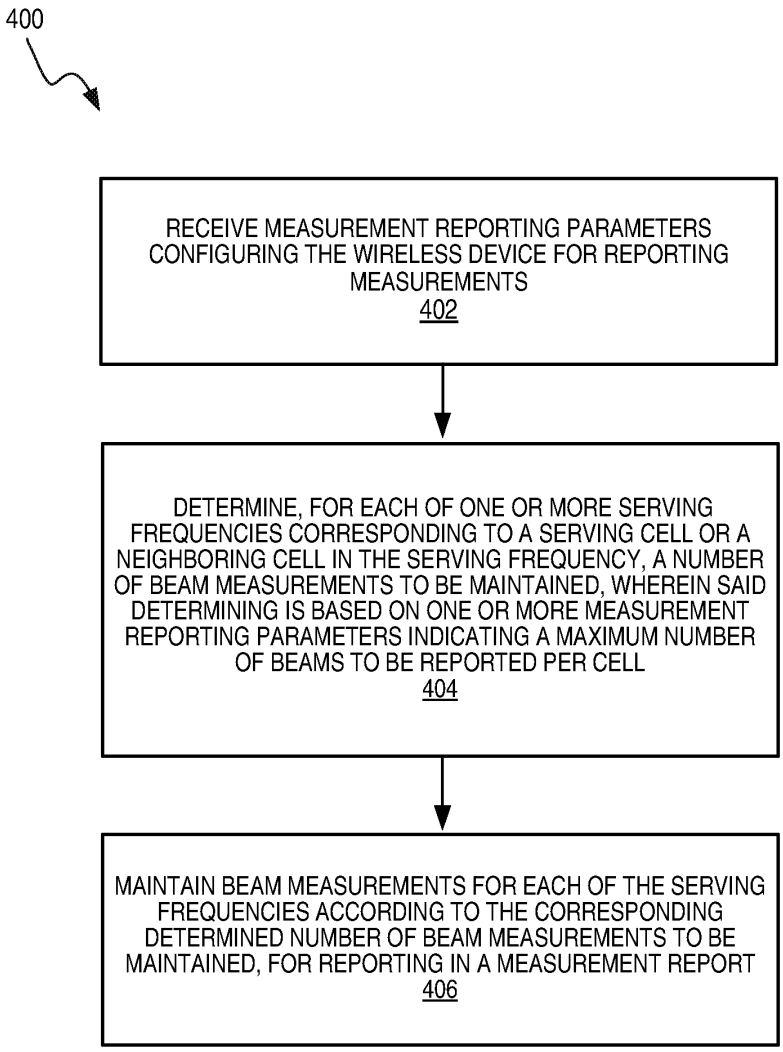
400
RECEIVE MEASUREMENT REPORTING PARAMETERS CONFIGURING THE WIRELESS DEVICE FOR REPORTING MEASUREMENTS
402
DETERMINE, FOR EACH OF ONE OR MORE SERVING FREQUENCIES CORRESPONDING TO A SERVING CELL OR A NEIGHBORING CELL IN THE SERVING FREQUENCY, A NUMBER OF BEAM MEASUREMENTS TO BE MAINTAINED, WHEREIN SAID DETERMINING IS BASED ON ONE OR MORE MEASUREMENT REPORTING PARAMETERS INDICATING A MAXIMUM NUMBER OF BEAMS TO BE REPORTED PER CELL
404
MAINTAIN BEAM MEASUREMENTS FOR EACH OF THE SERVING FREQUENCIES ACCORDING TO THE CORRESPONDING DETERMINED NUMBER OF BEAM MEASUREMENTS TO BE MAINTAINED, FOR REPORTING IN A MEASUREMENT REPORT
406

FIG. 4

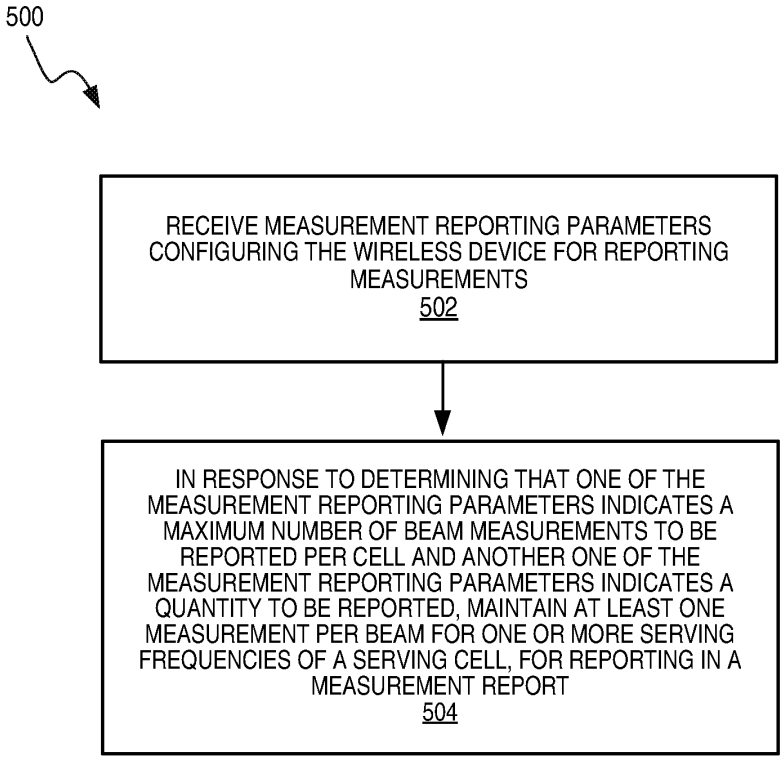
500
RECEIVE MEASUREMENT REPORTING PARAMETERS CONFIGURING THE WIRELESS DEVICE FOR REPORTING MEASUREMENTS
502
IN RESPONSE TO DETERMINING THAT ONE OF THE MEASUREMENT REPORTING PARAMETERS INDICATES A MAXIMUM NUMBER OF BEAM MEASUREMENTS TO BE REPORTED PER CELL AND ANOTHER ONE OF THE MEASUREMENT REPORTING PARAMETERS INDICATES A QUANTITY TO BE REPORTED, MAINTAIN AT LEAST ONE MEASUREMENT PER BEAM FOR ONE OR MORE SERVING FREQUENCIES OF A SERVING CELL, FOR REPORTING IN A MEASUREMENT REPORT
504

FIG. 5

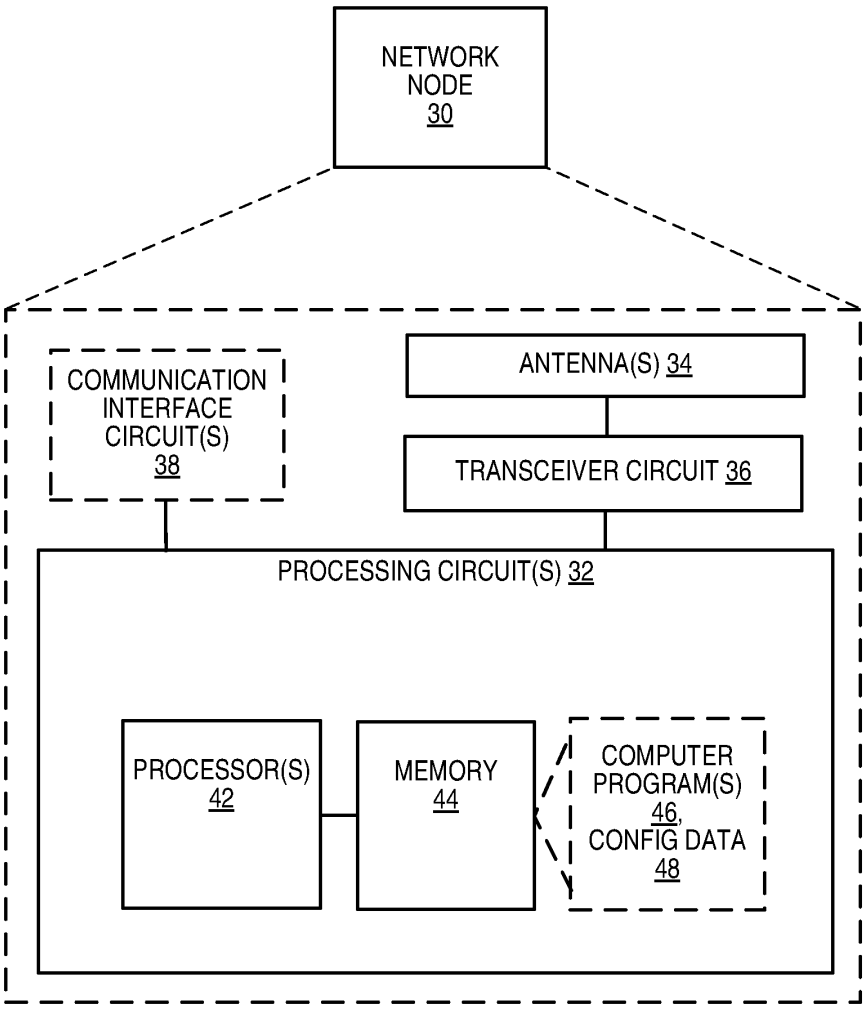
NETWORK NODE 30
COMMUNICATION INTERFACE CIRCUIT(S) 38
ANTENNA(S) 34
TRANSCEIVER CIRCUIT 36
PROCESSING CIRCUIT(S) 32
PROCESSOR(S) 42
MEMORY 44
COMPUTER PROGRAM(S) 46, CONFIG DATA 48

FIG. 6

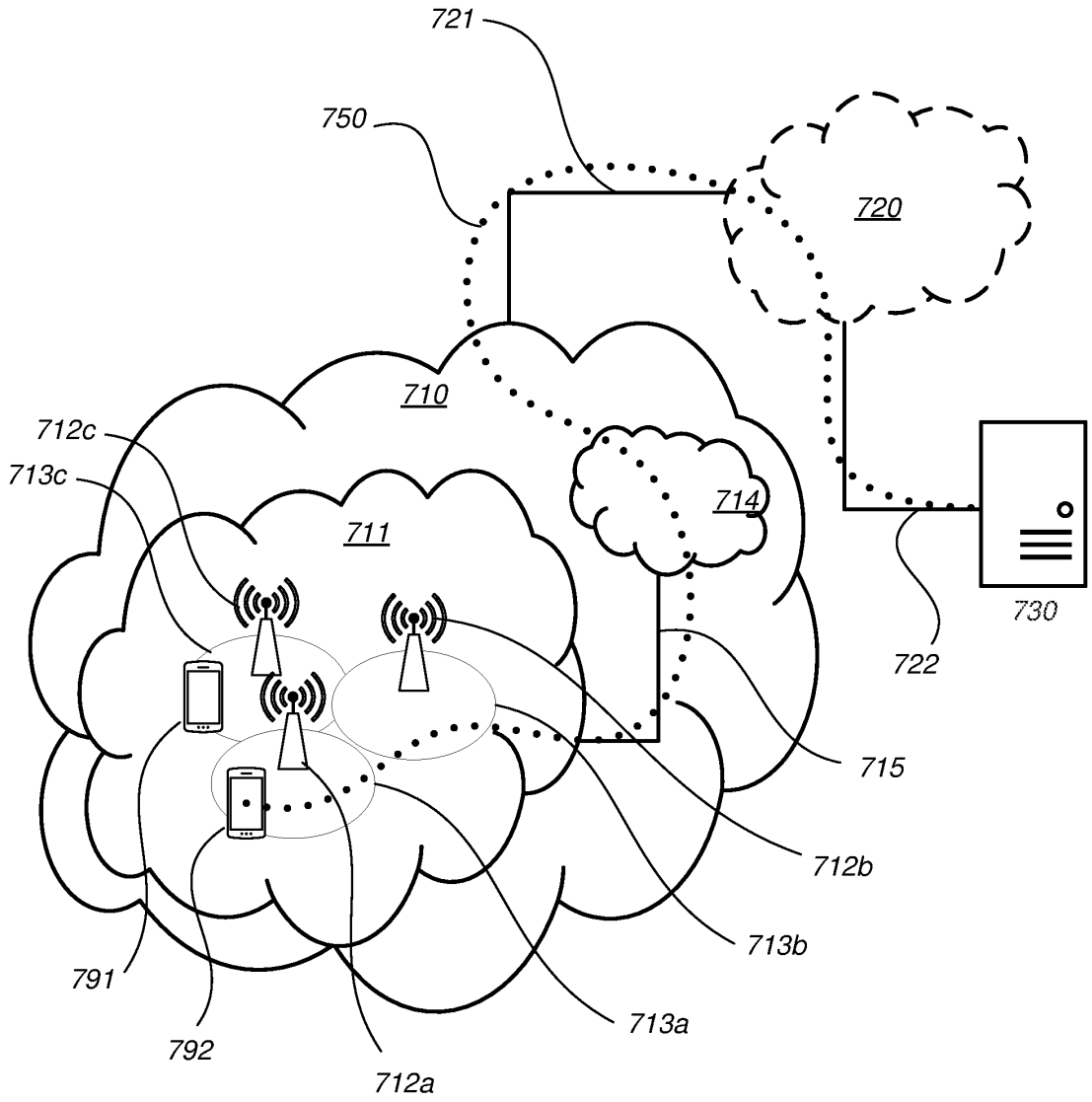
721
750
720
710
712c
713c
711
714
730
722
715
712b
713b
791
792
713a
712a

FIG. 7

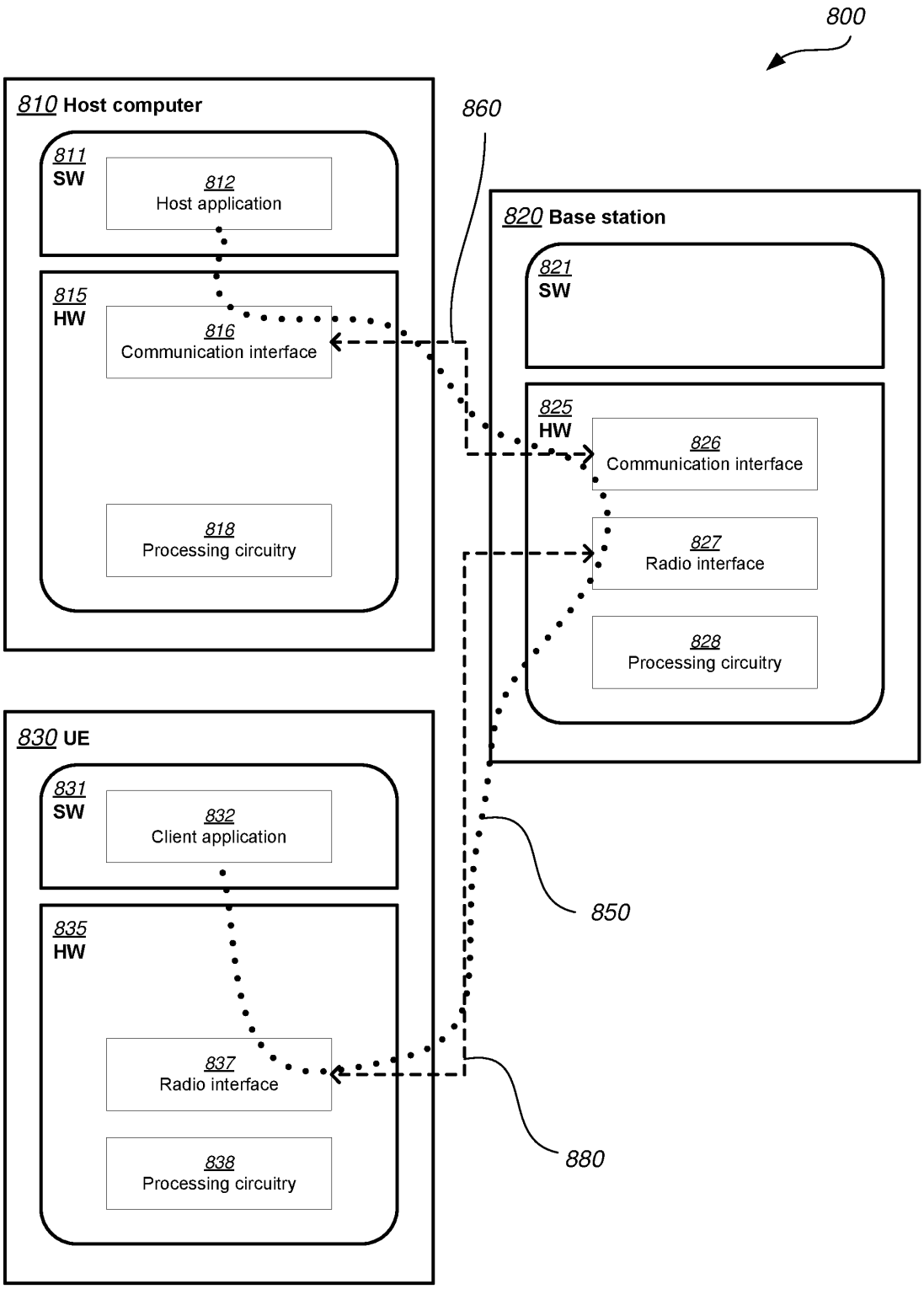
800
810 Host computer
811
SW
812
Host application
815
HW
816
Communication interface
818
Processing circuitry
860
820 Base station
821
SW
825
HW
826
Communication interface
827
Radio interface
828
Processing circuitry
830 UE
831
SW
832
Client application
835
HW
837
Radio interface
838
Processing circuitry
850
880

FIG. 8

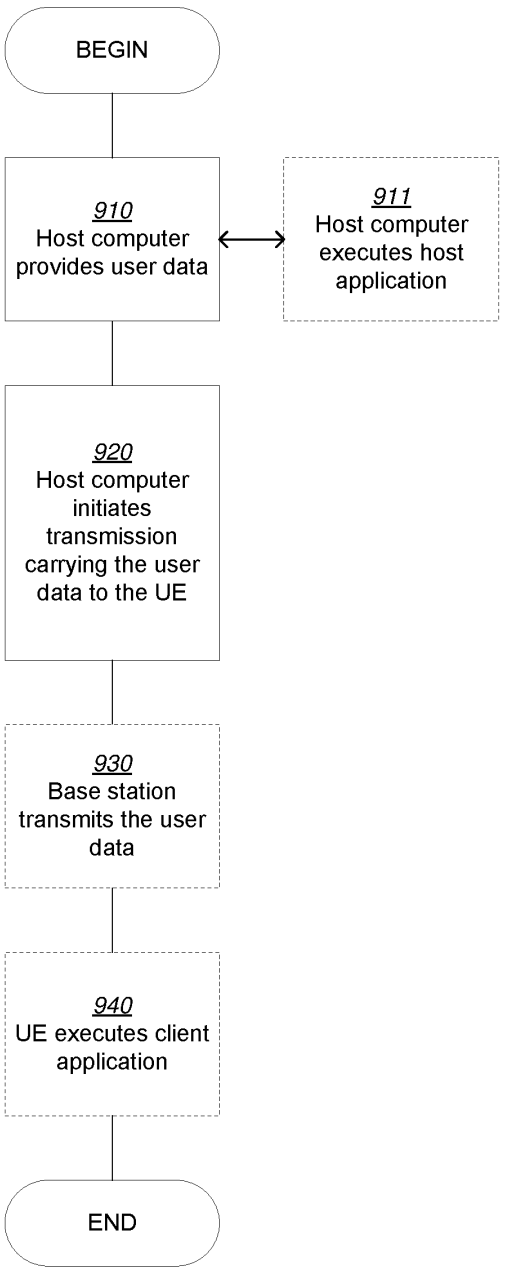
BEGIN
910
Host computer provides user data
911
Host computer executes host application
920
Host computer initiates transmission carrying the user data to the UE
930
Base station transmits the user data
940
UE executes client application
END

FIG. 9

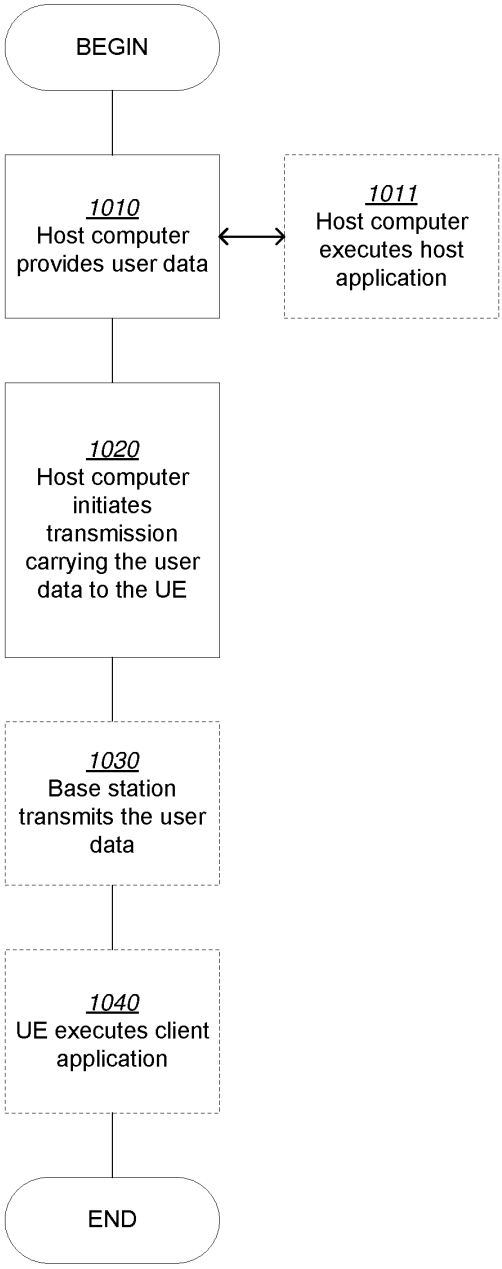
BEGIN
1010
Host computer provides user data
1011
Host computer executes host application
1020
Host computer initiates transmission carrying the user data to the UE
1030
Base station transmits the user data
1040
UE executes client application
END

FIG. 10

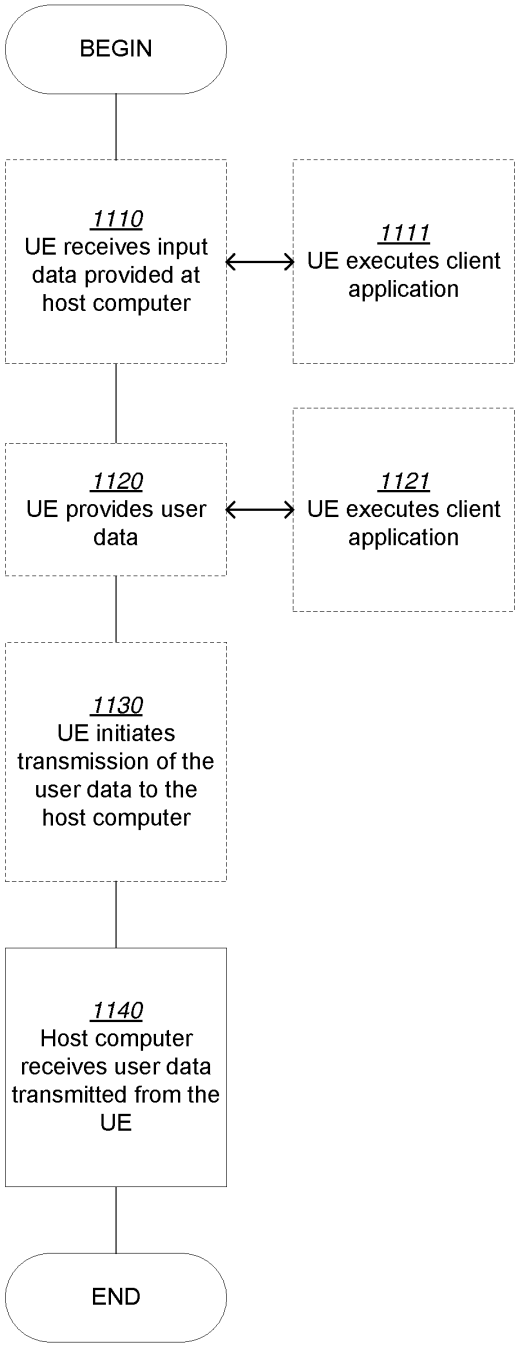
BEGIN
1110
UE receives input data provided at host computer
1111
UE executes client application
1120
UE provides user data
1121
UE executes client application
1130
UE initiates transmission of the user data to the host computer
1140
Host computer receives user data transmitted from the UE
END

FIG. 11

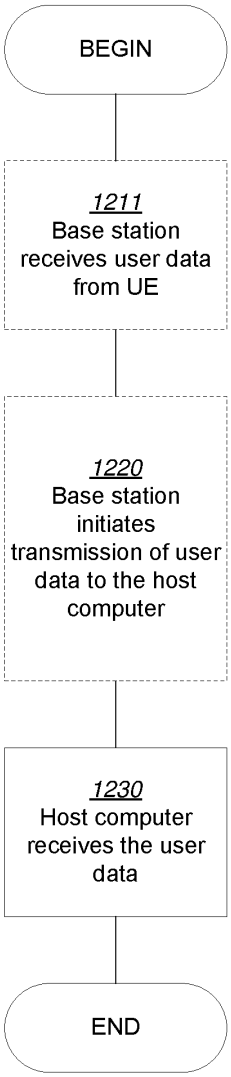
BEGIN
1211
Base station receives user data from UE
1220
Base station initiates transmission of user data to the host computer
1230
Host computer receives the user data
END

FIG. 12

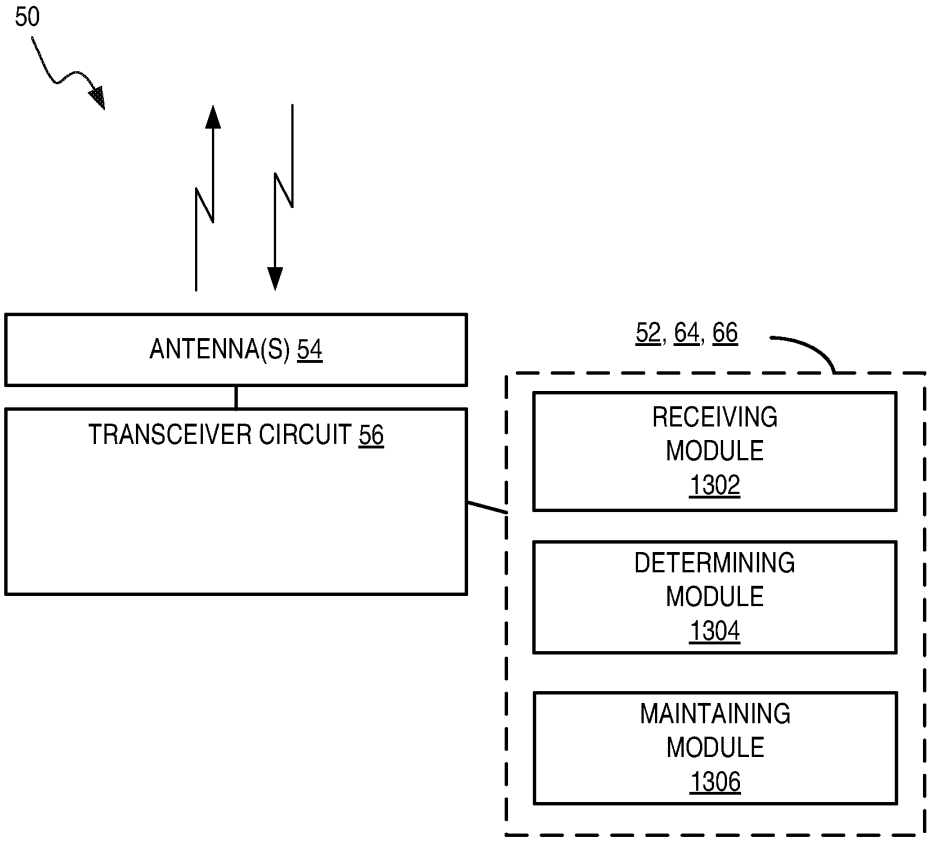
50
ANTENNA(S) 54
TRANSCEIVER CIRCUIT 56
52, 64, 66
RECEIVING MODULE 1302
DETERMINING MODULE 1304
MAINTAINING MODULE 1306

FIG. 13