

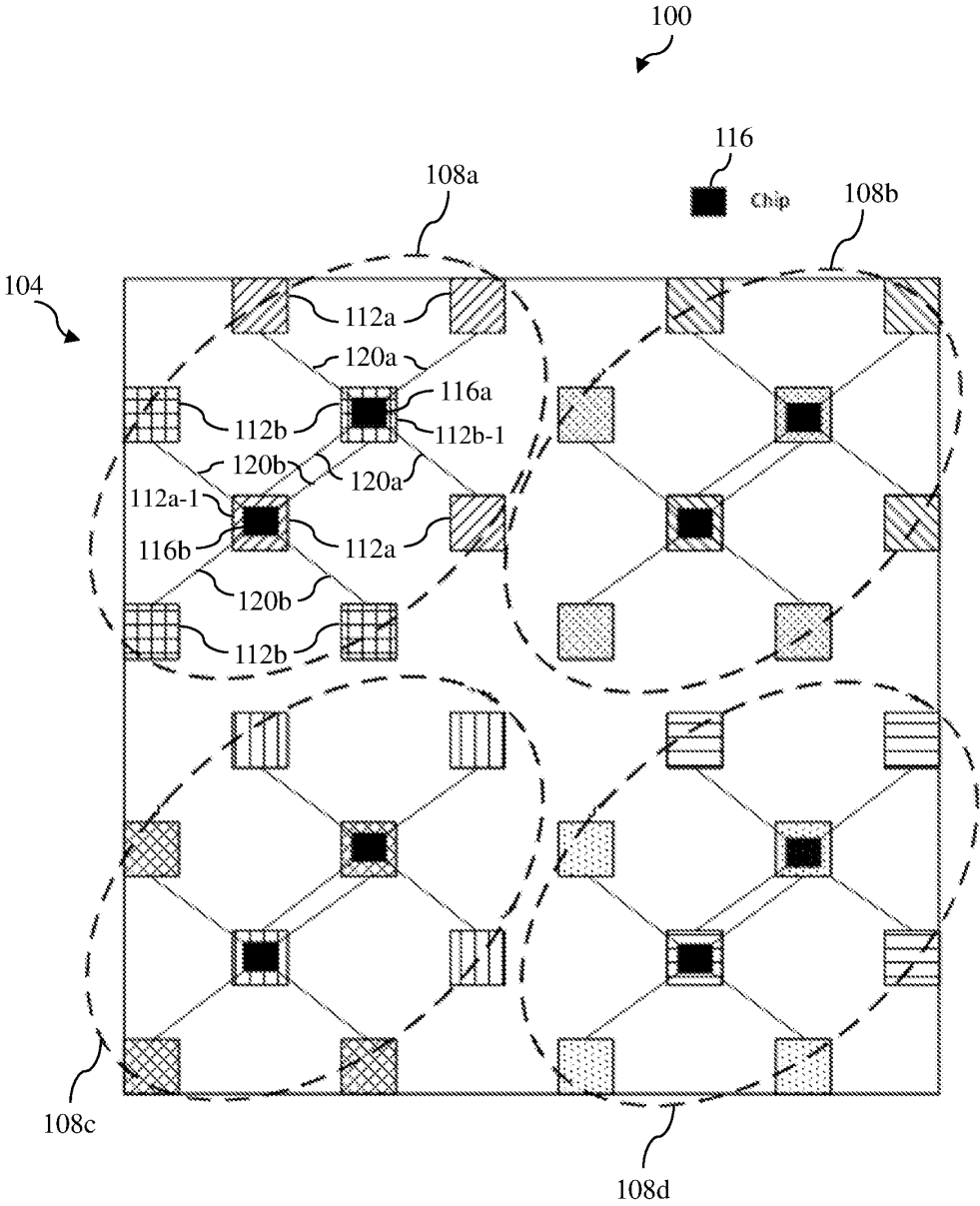
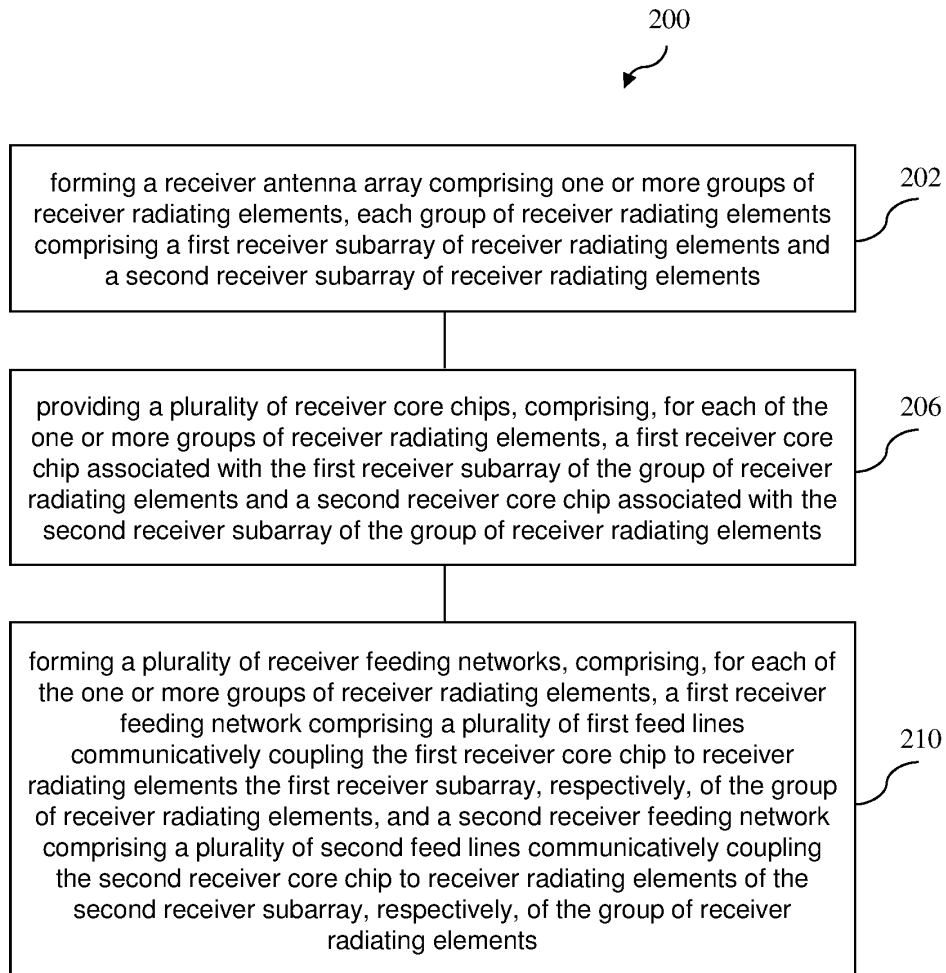


FIG. 1

**FIG. 2**

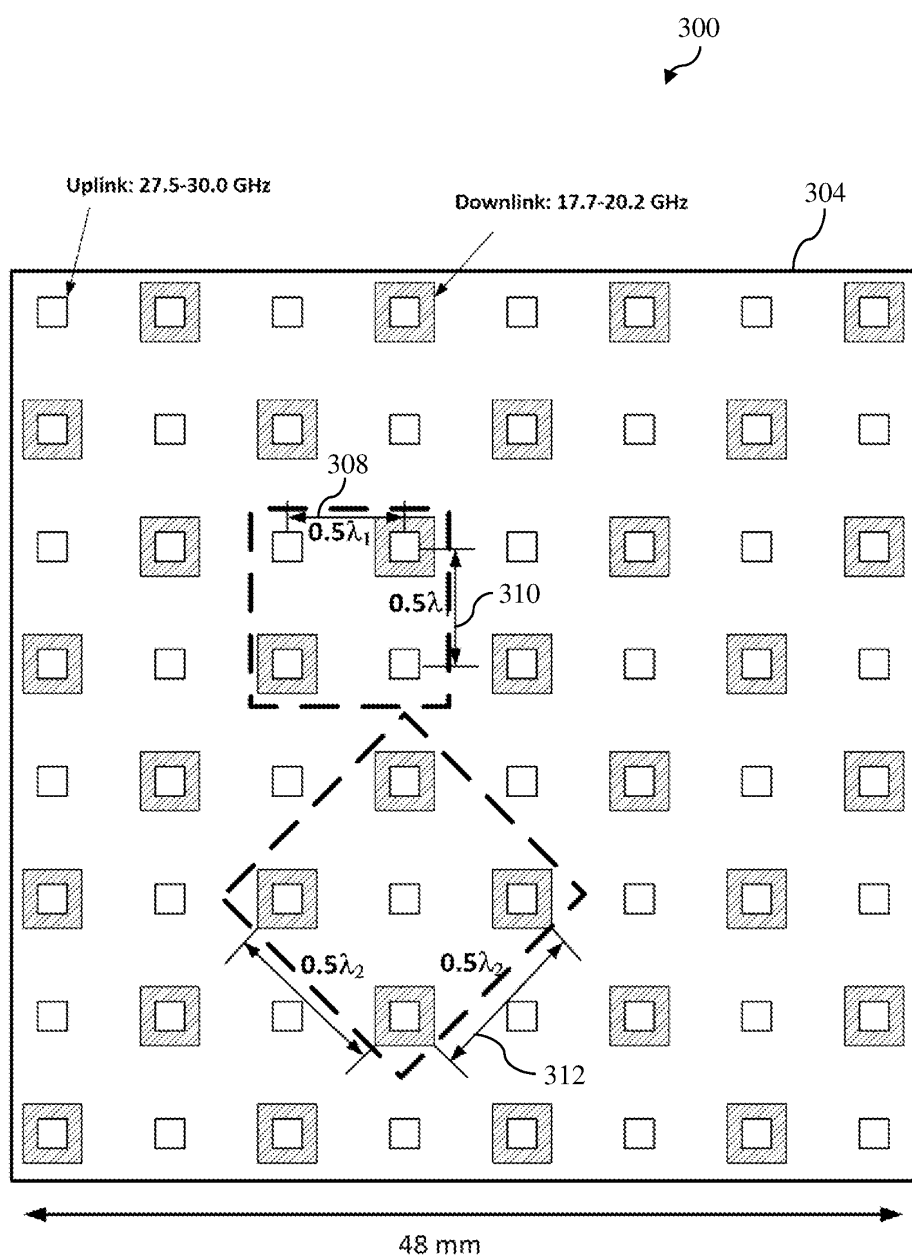


FIG. 3

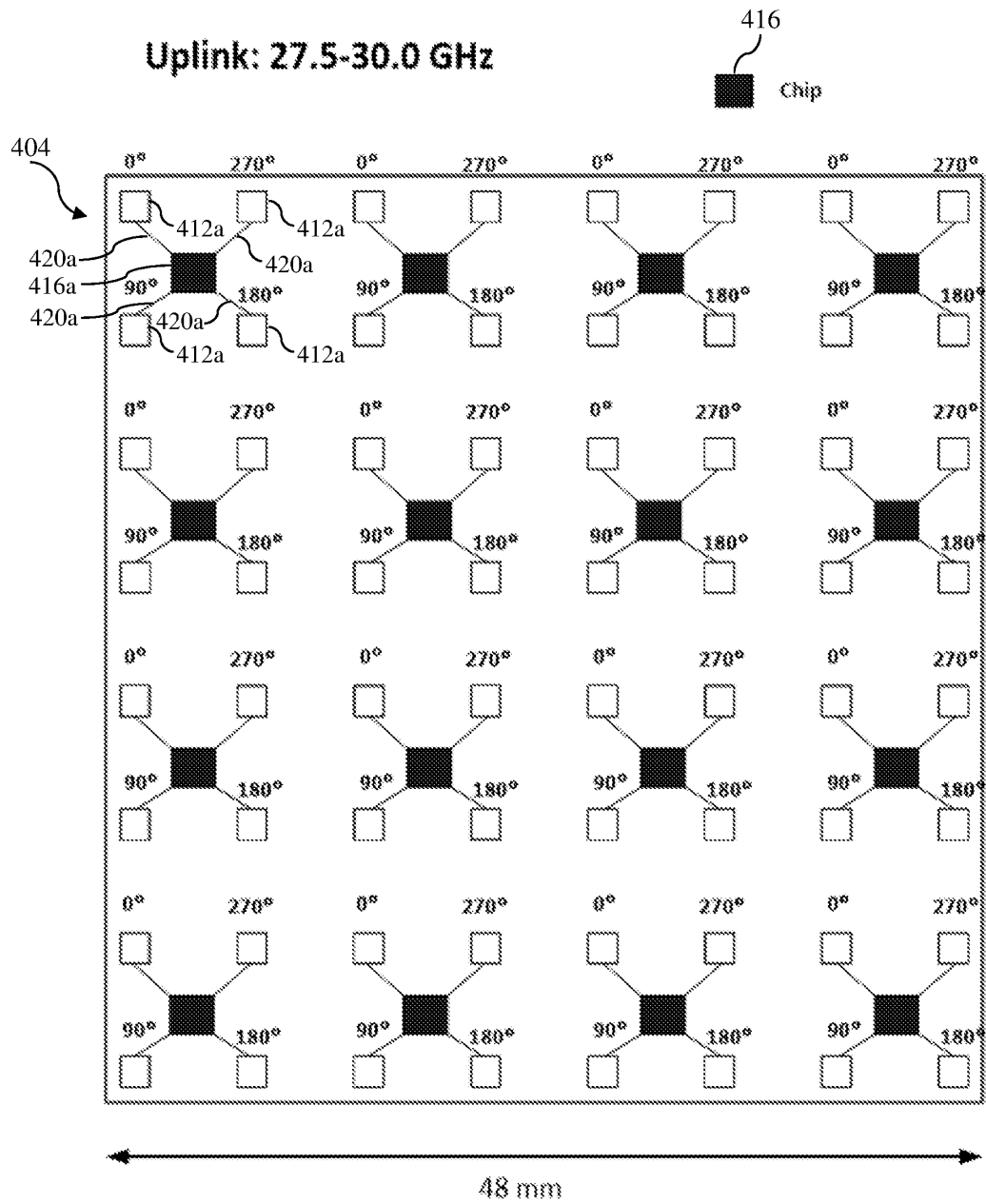


FIG. 4

Downlink: 17.7-20.2 GHz

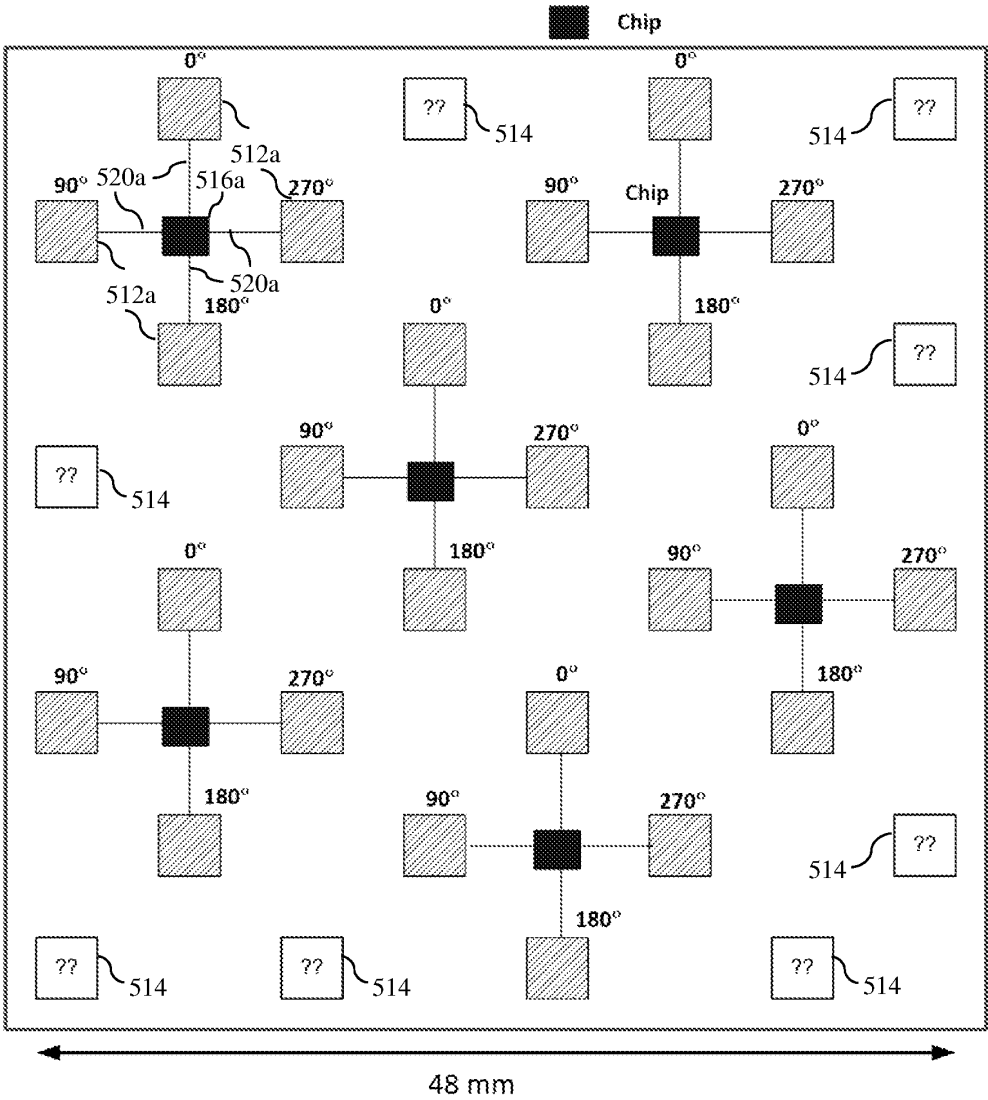


FIG. 5A

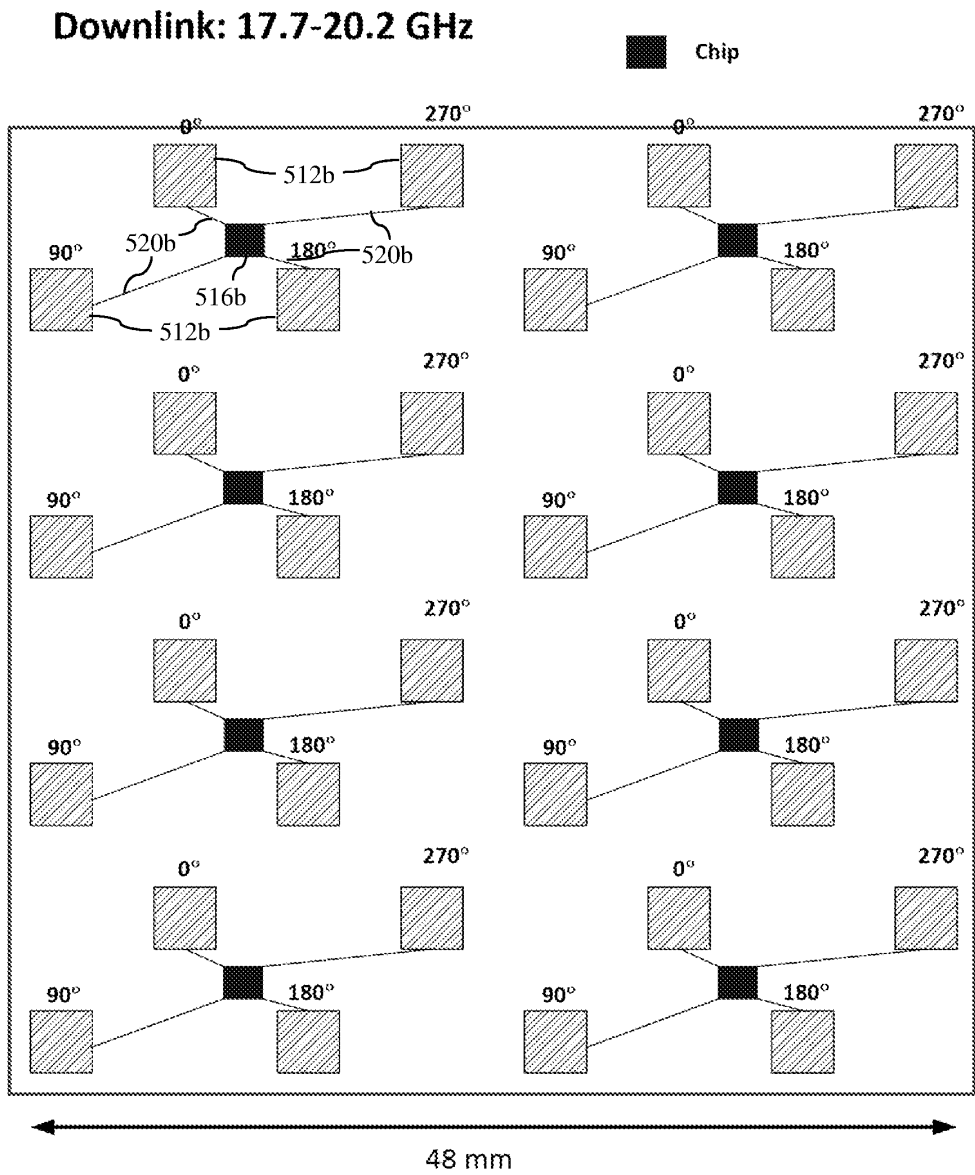


FIG. 5B

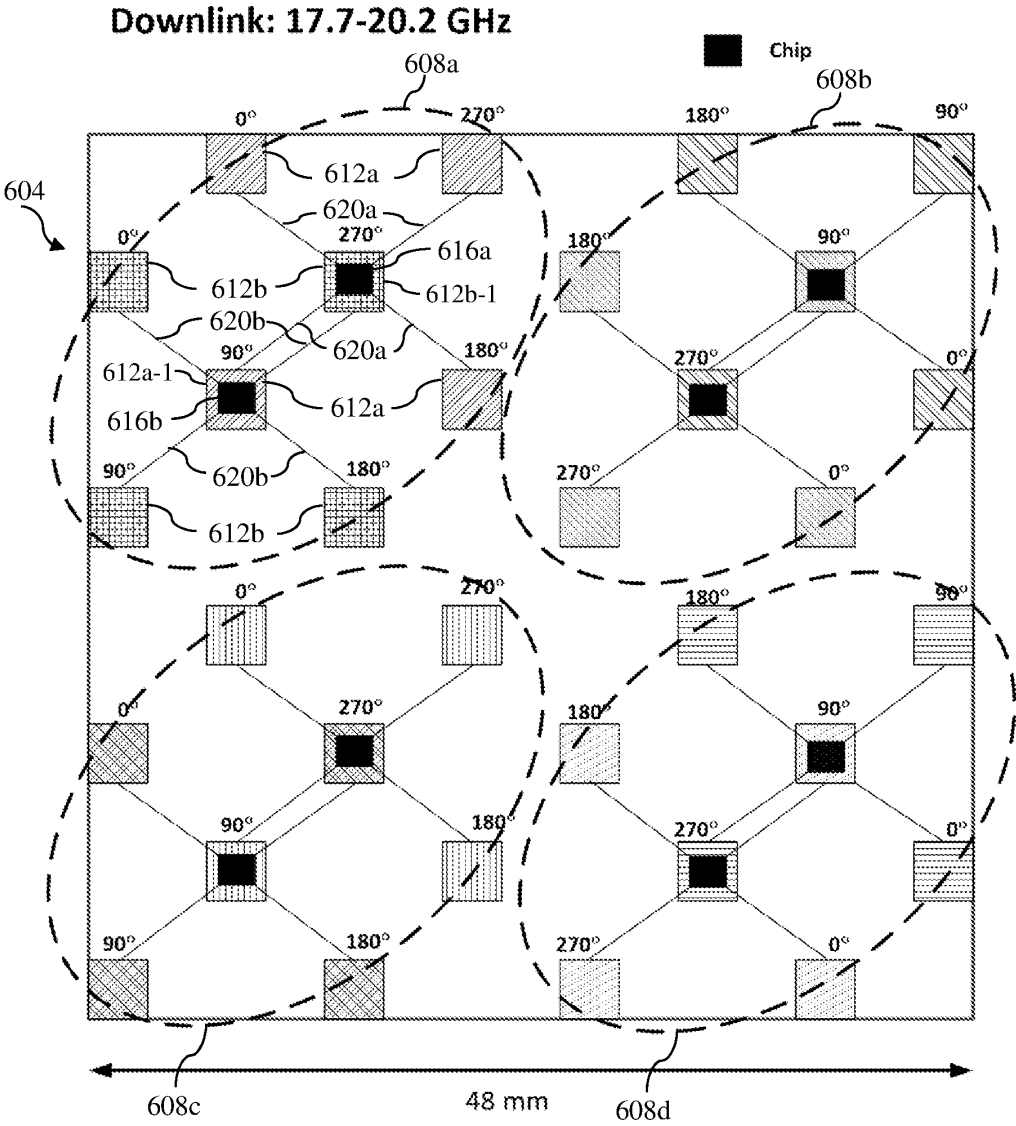


FIG. 6

700

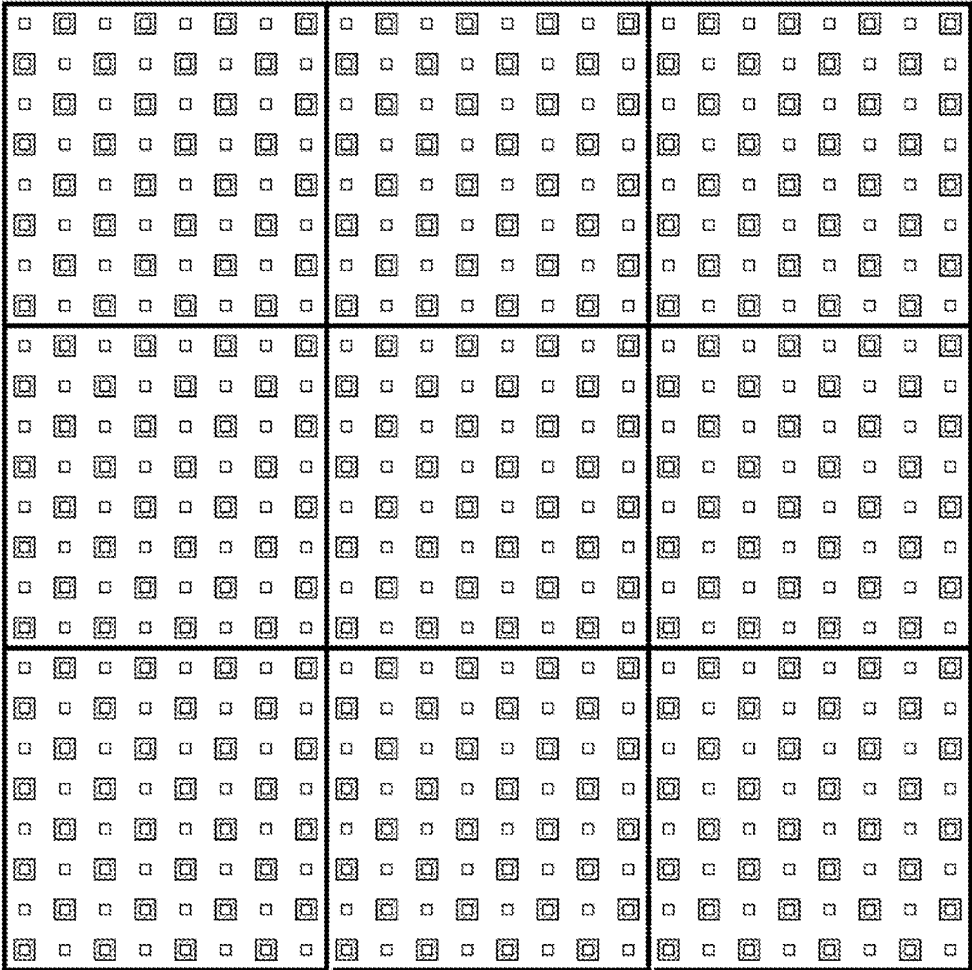


FIG. 7

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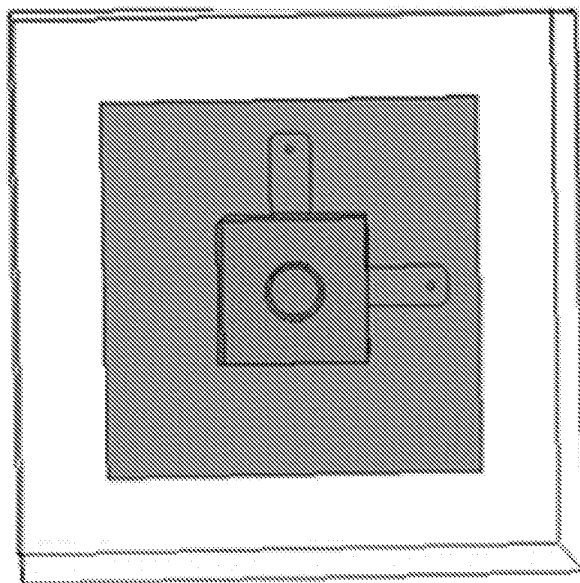


FIG. 8A

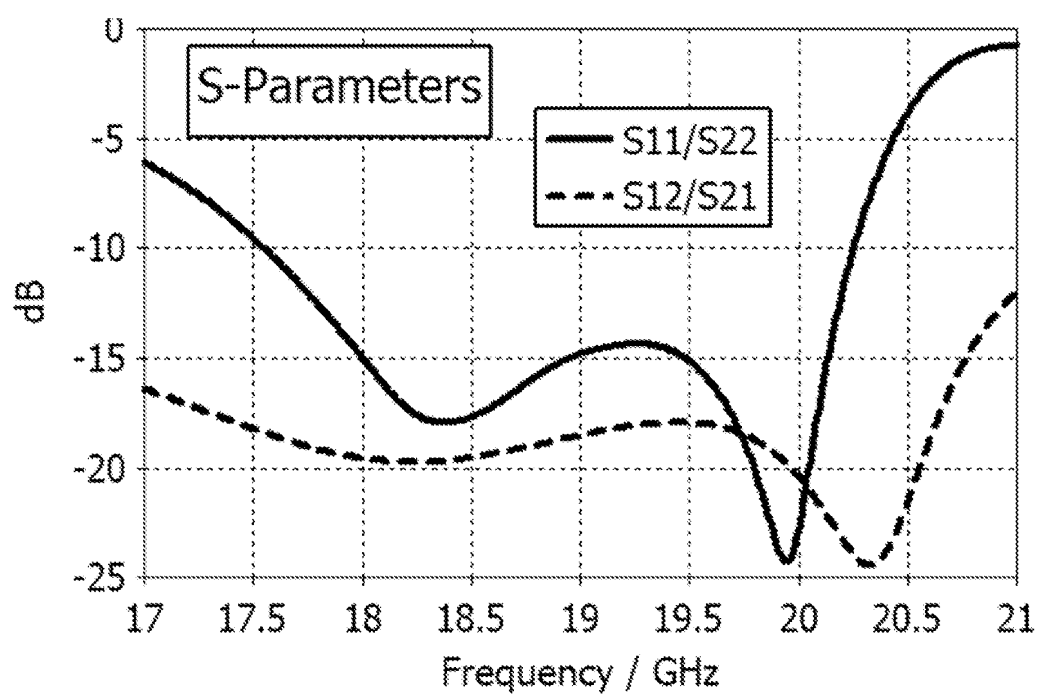


FIG. 8B

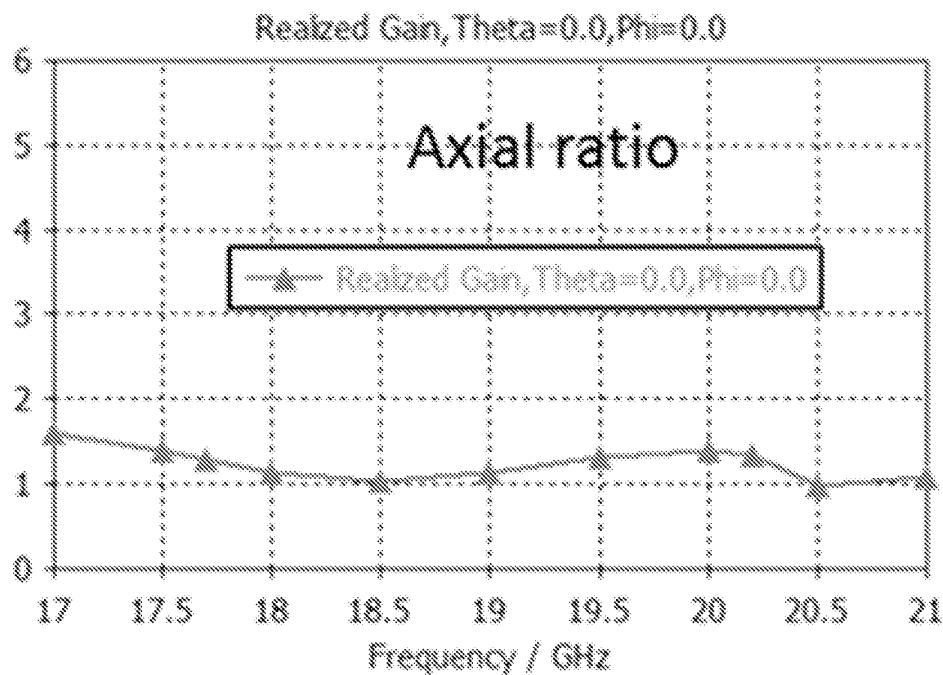


FIG. 8C

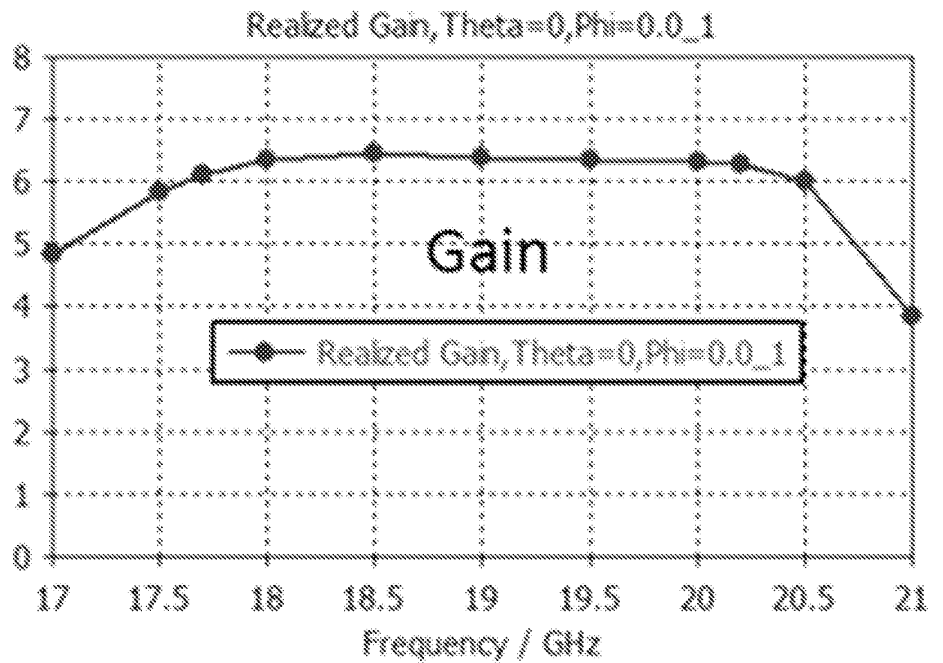


FIG. 8D

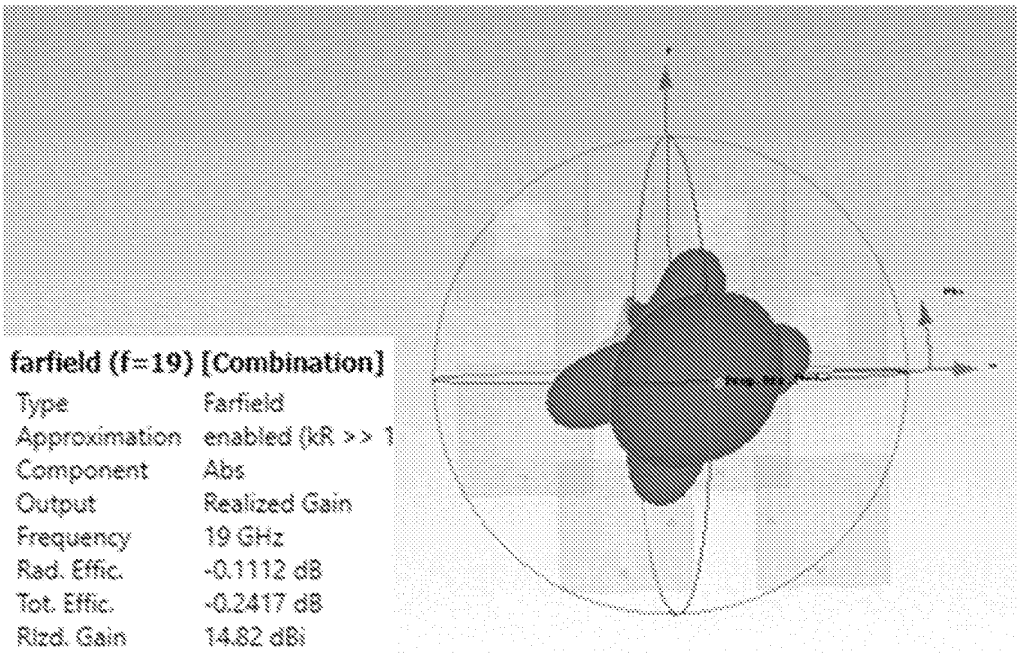


FIG. 9A

Farfield Realized Gain Abs (Phi=0)

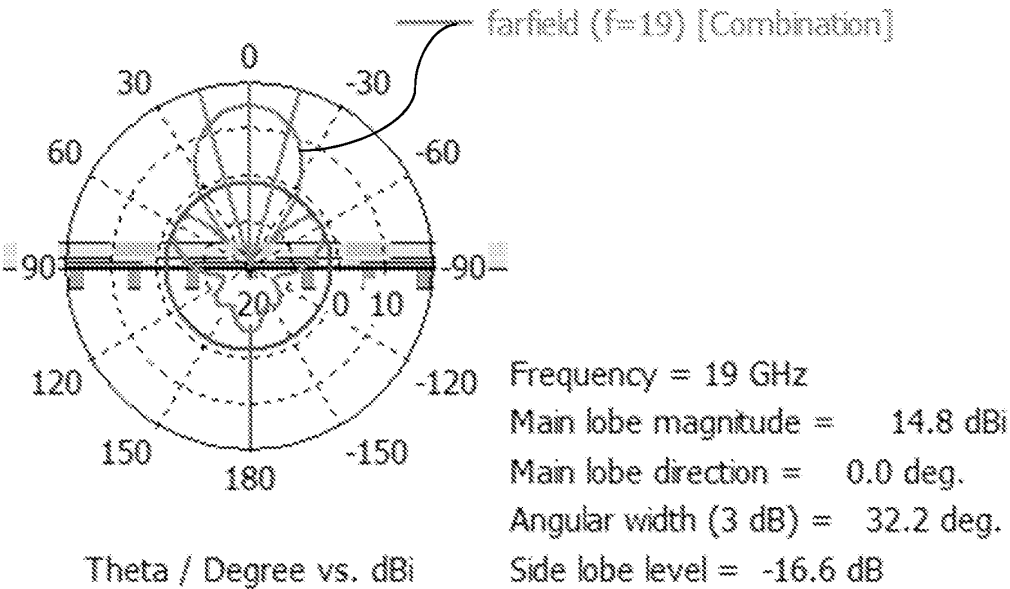


FIG. 9B

Farfield Realized Gain Abs (Phi=90)

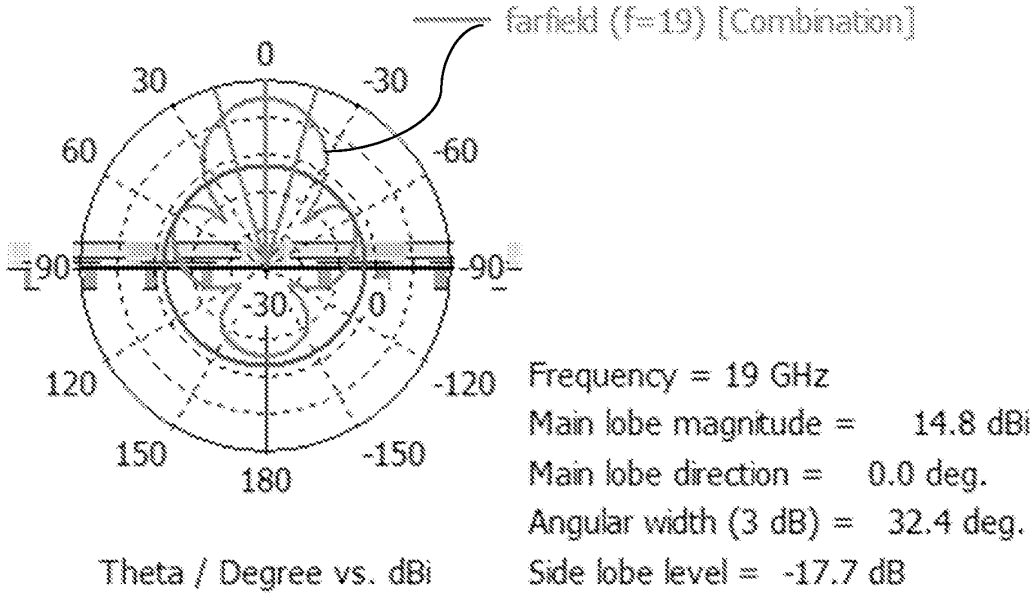


FIG. 9C

Gain

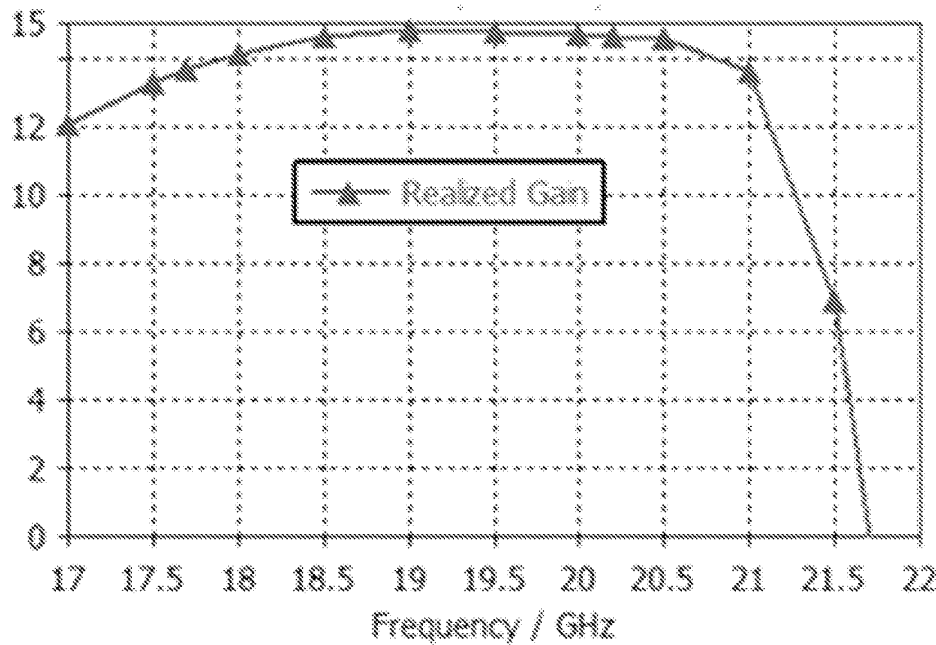
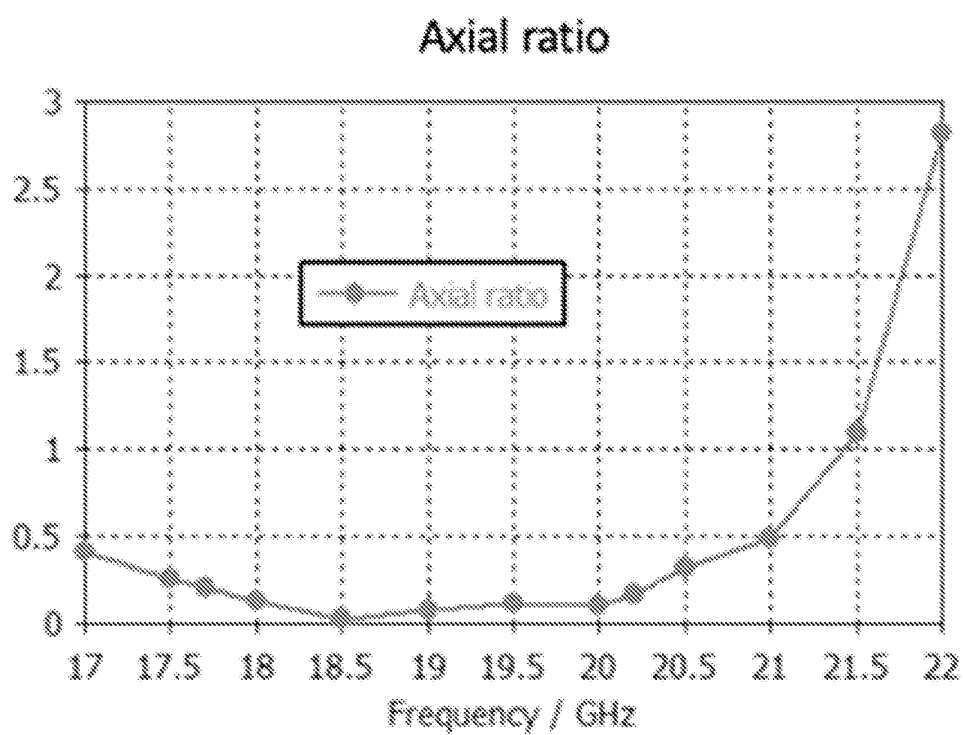
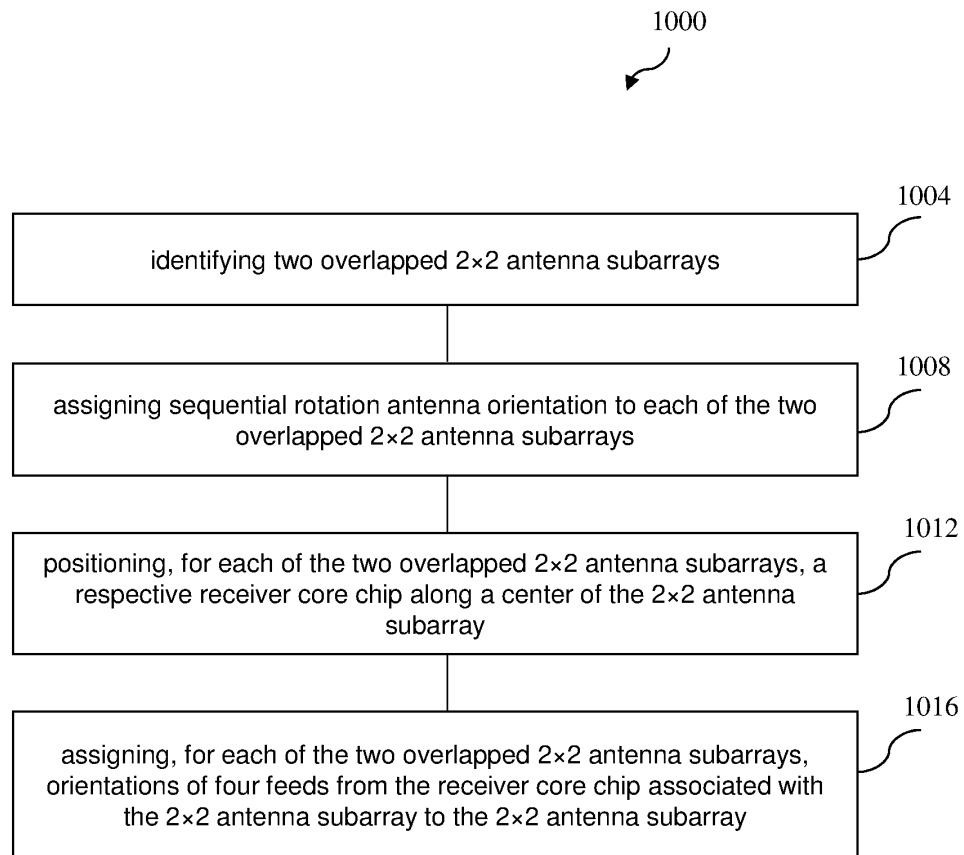


FIG. 9D

**FIG. 9E**

**FIG. 10**