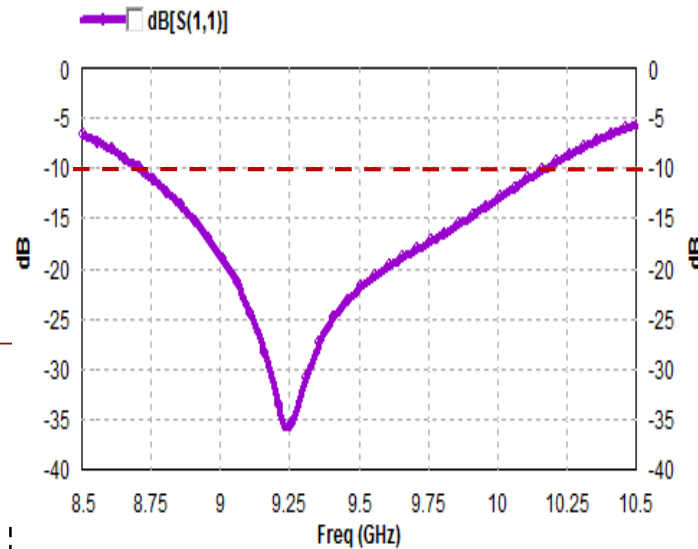
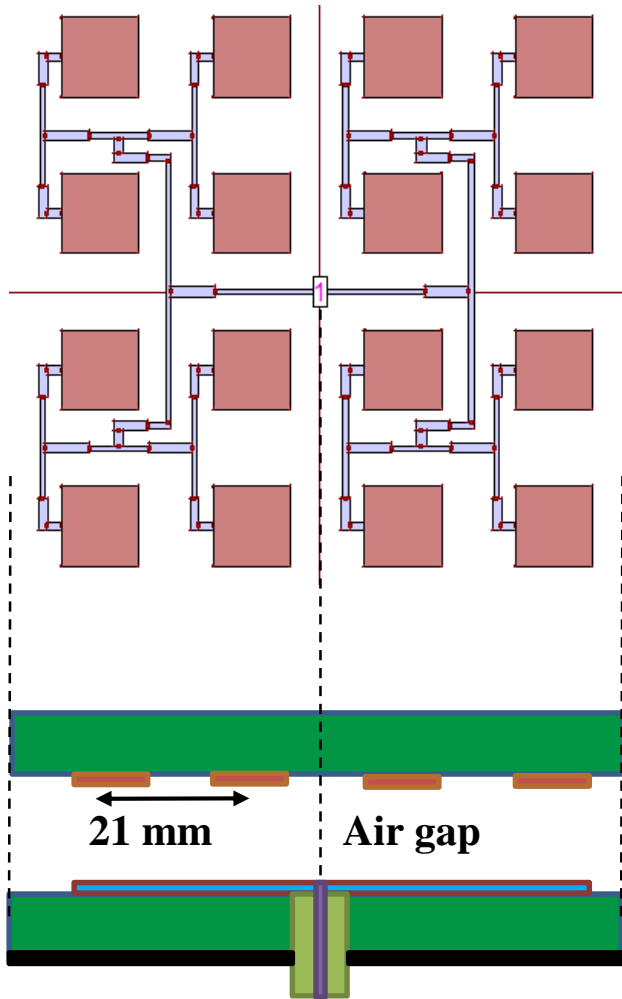
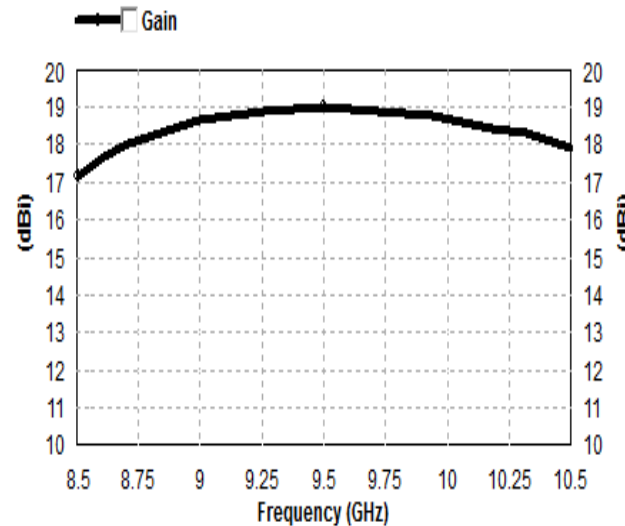


Broadband 4x4 EMCP MSA Array

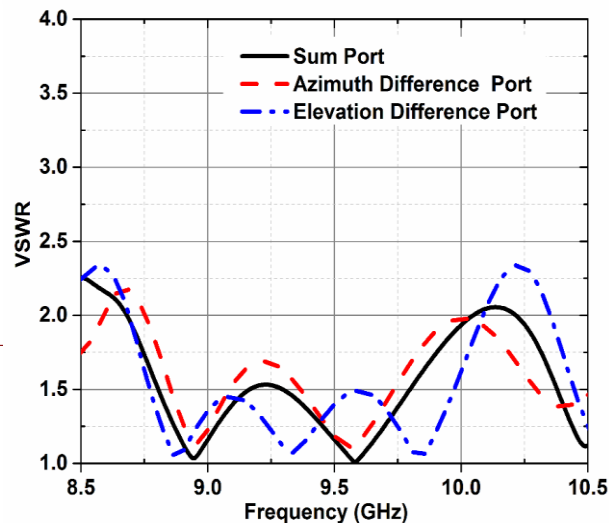
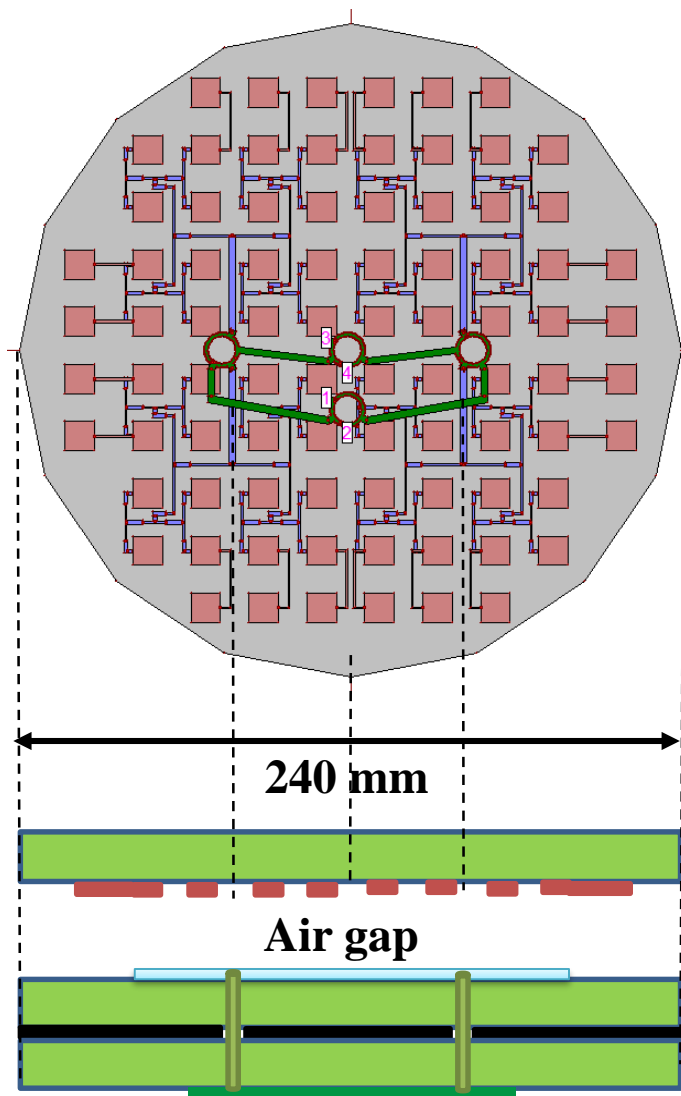


Bandwidth for $|S_{11}| < -10$ dB is 14.8% (8.75-10.15 GHz)

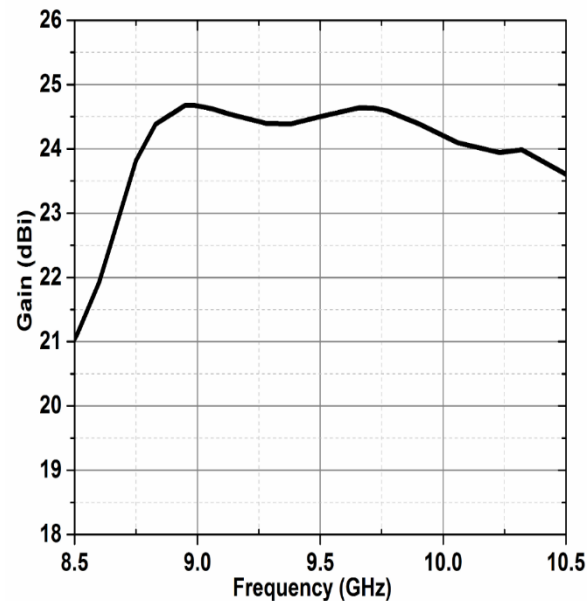


**Max. Gain=19 dB
Less than 1dB gain variation over the bandwidth**

Monopulse System using EMCP MSA Array



**Bandwidth for
VSWR ≤ 2 is
12.8% (8.8 to 10
GHz)**



- **Max. Gain = 24.7 dBi at 9.9GHz**
- **Variation in Gain < 1 dB over the bandwidth**