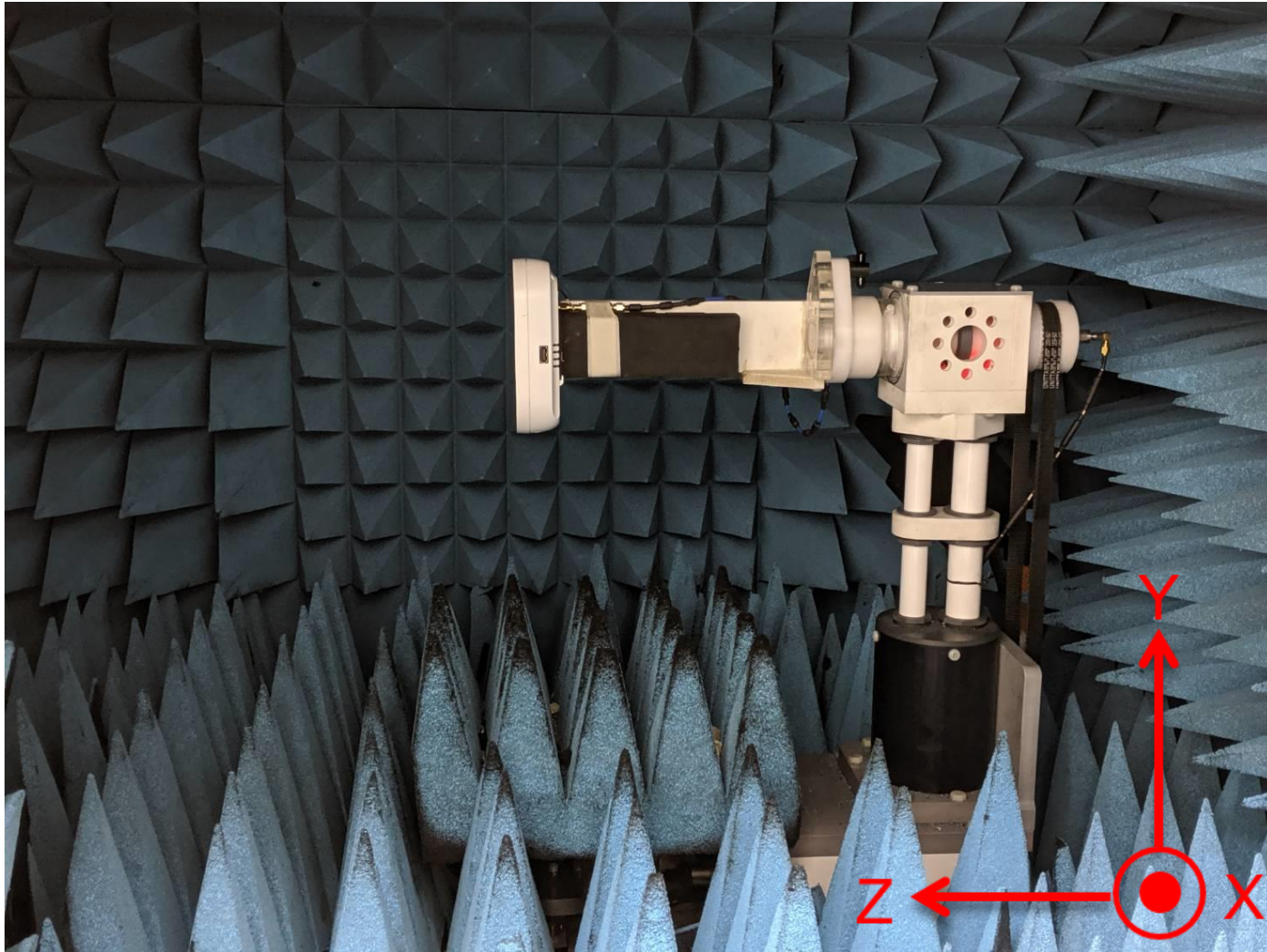


WP8722-BT Antenna Test Report

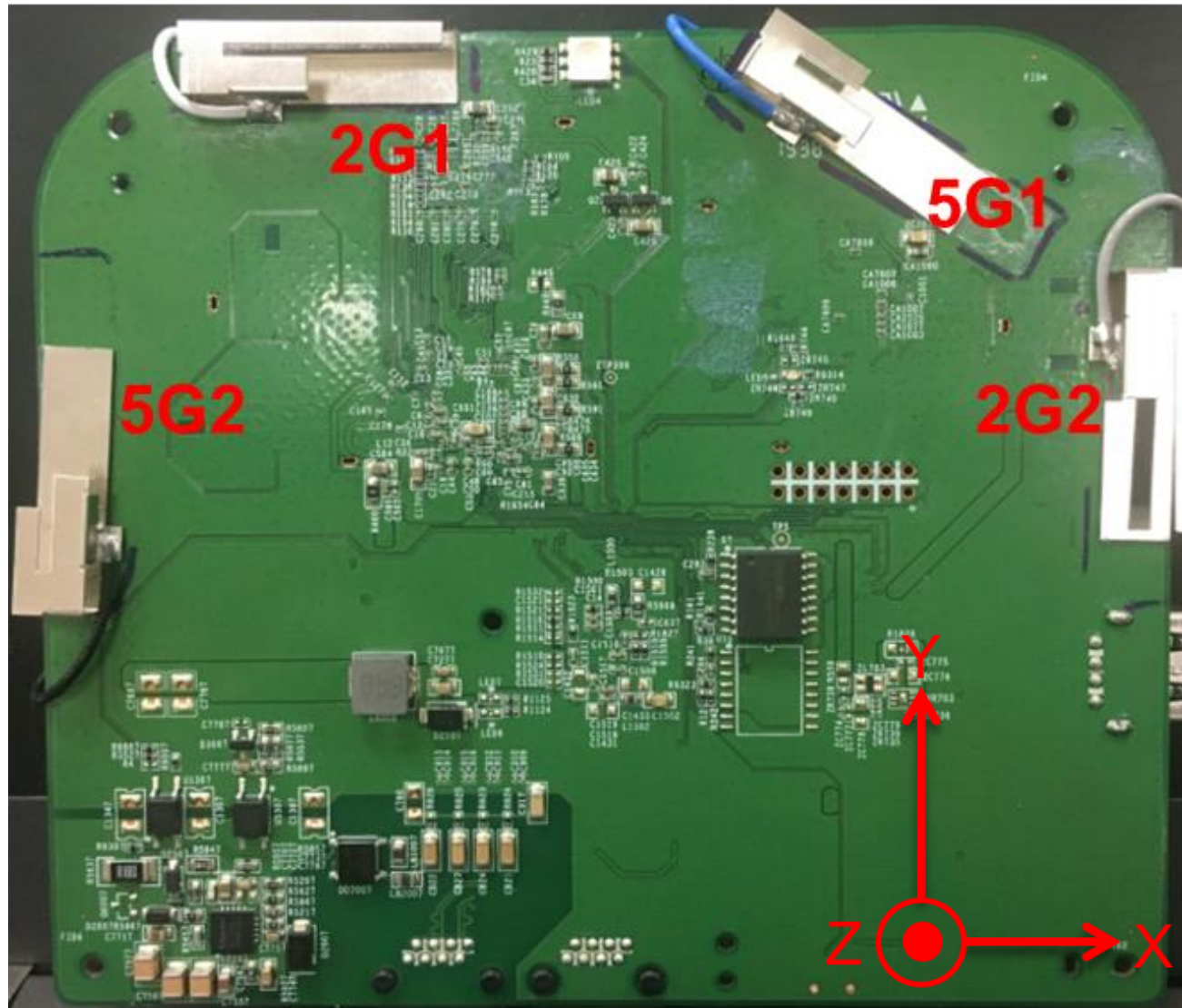
2020/01/07

John Hsieh

WP8722-BT Under Test



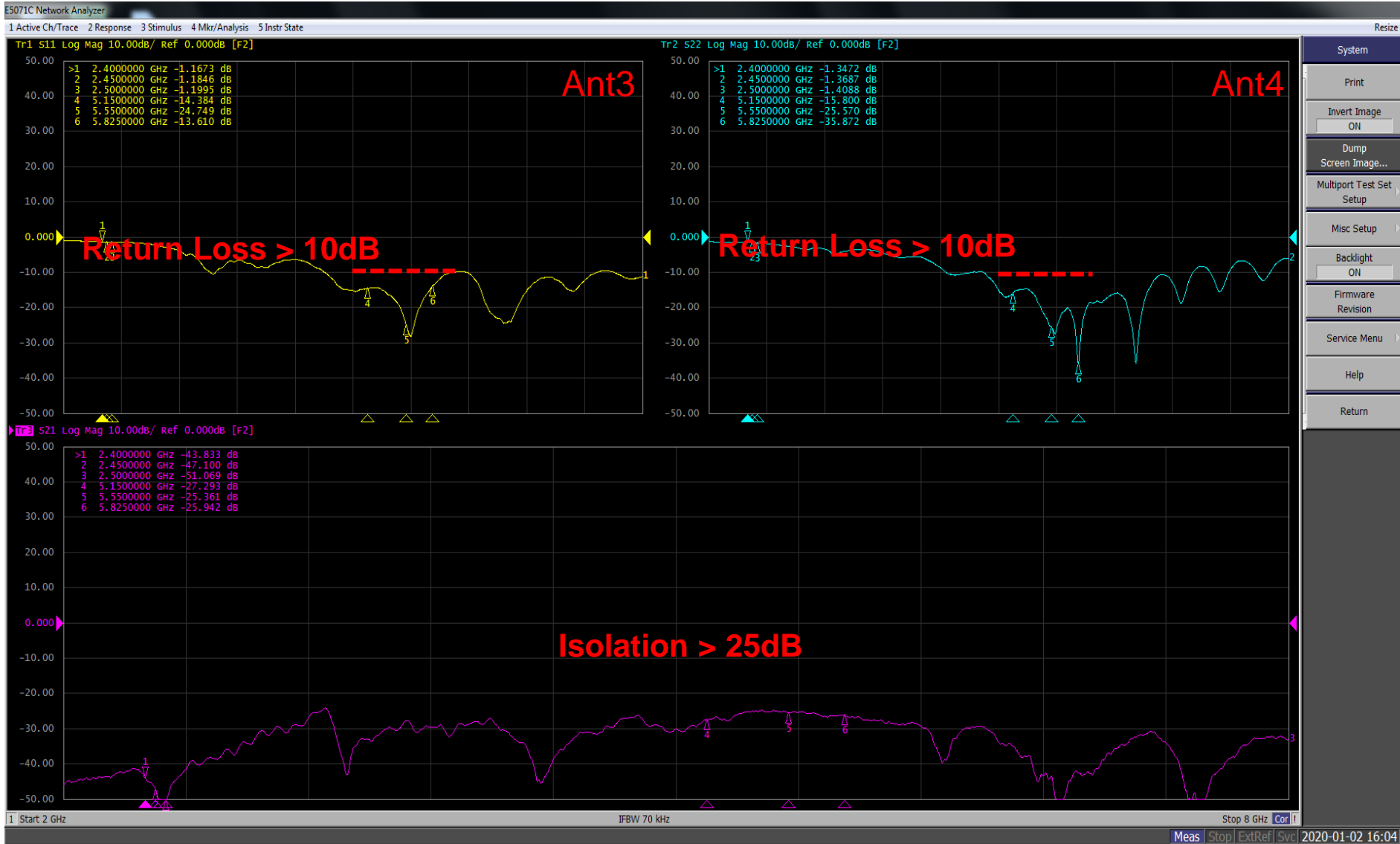
Antenna Placement and Coordinate



2G Antenna S-parameter



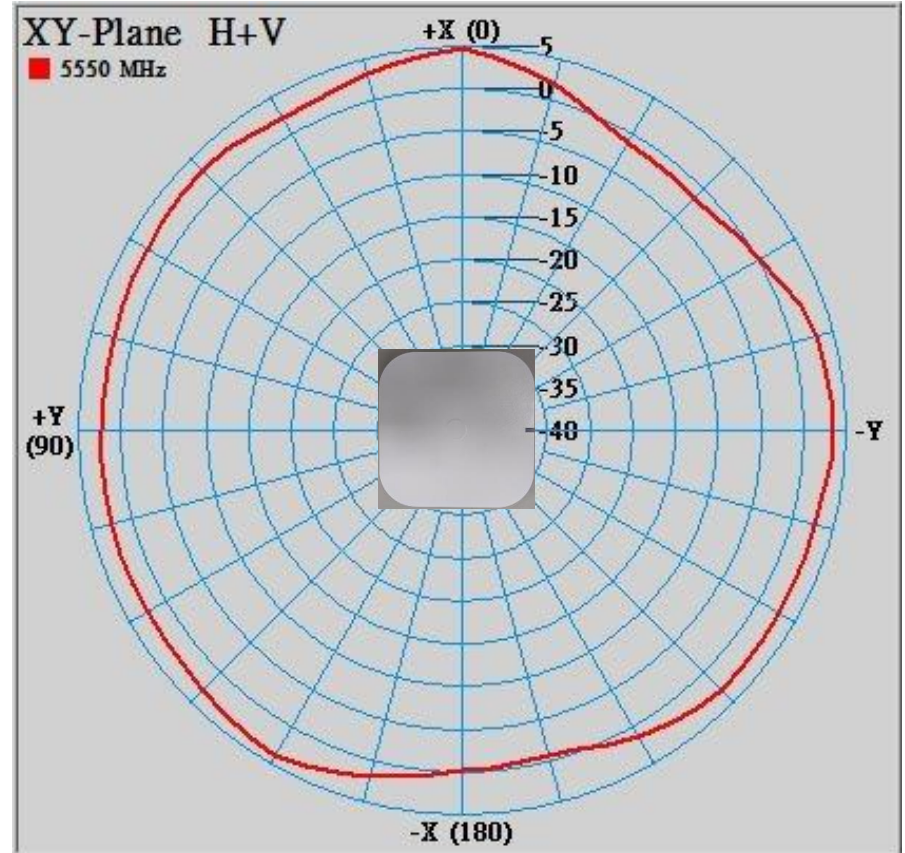
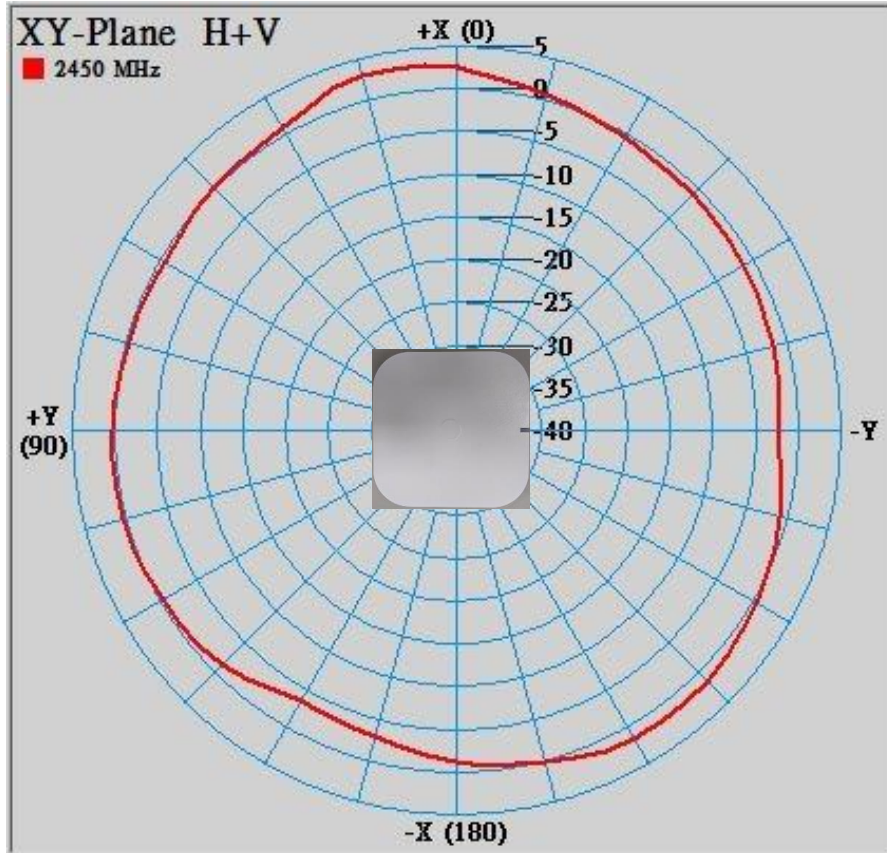
5G Antenna S-parameter



Antenna Gain and Eff.

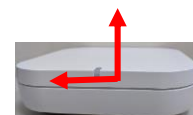
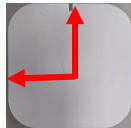
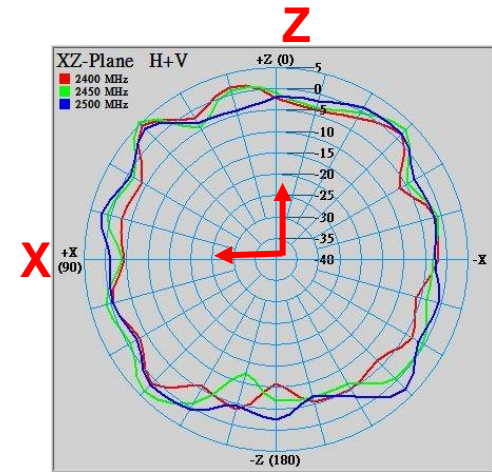
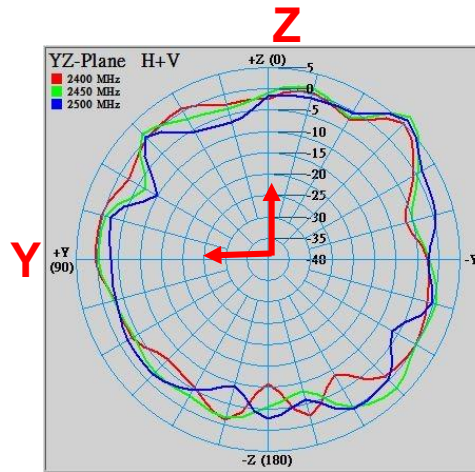
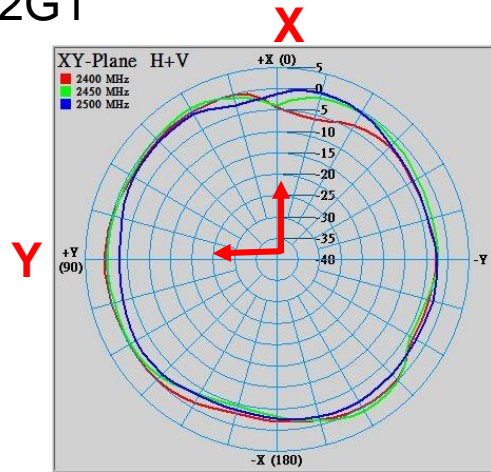
Ant#	2G1	2G2	5G1	5G2
Peak Gain	4.6dBi	4.5dBi	5.1dBi	5.3dBi
Efficiency	72%	70%	71%	74%

Azimuth Plane (XY Plane) Aggregate Pattern

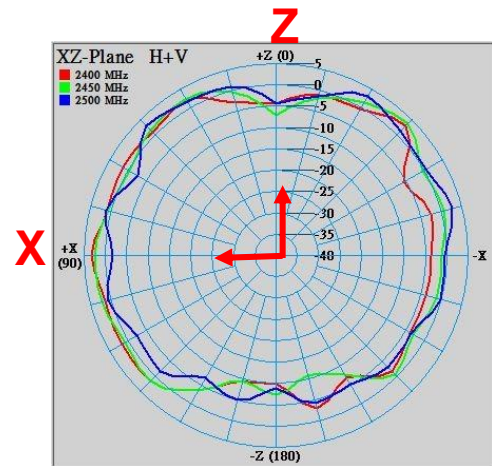
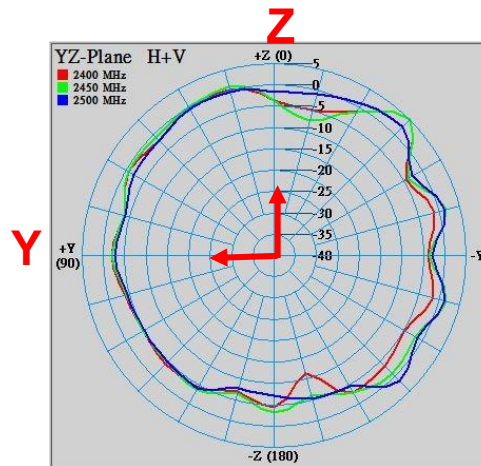
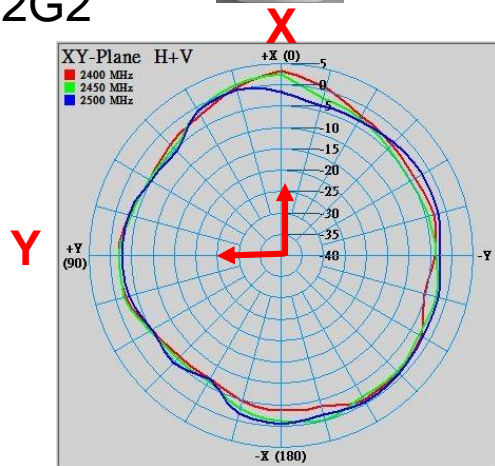


2G Antenna pattern

2G1

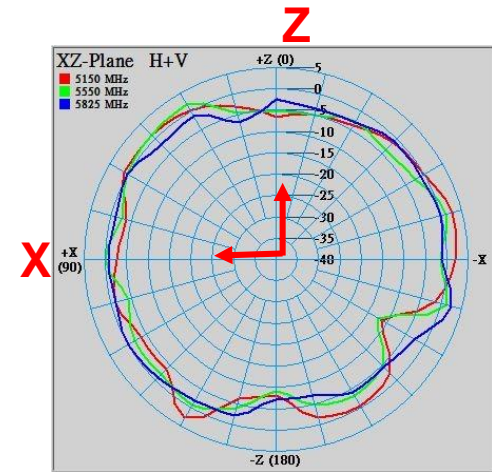
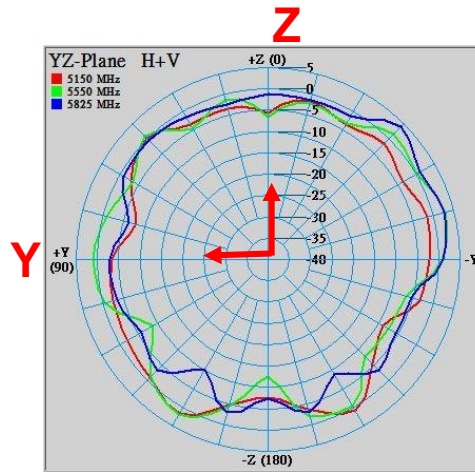
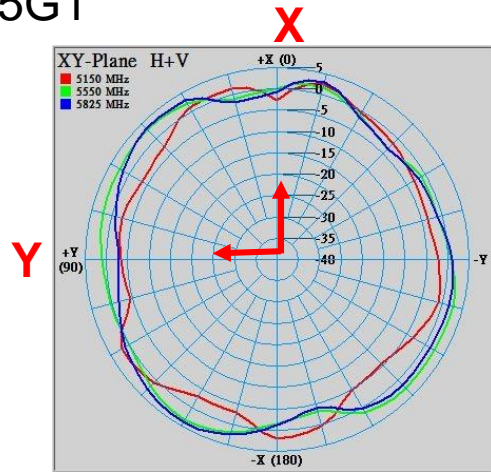


2G2

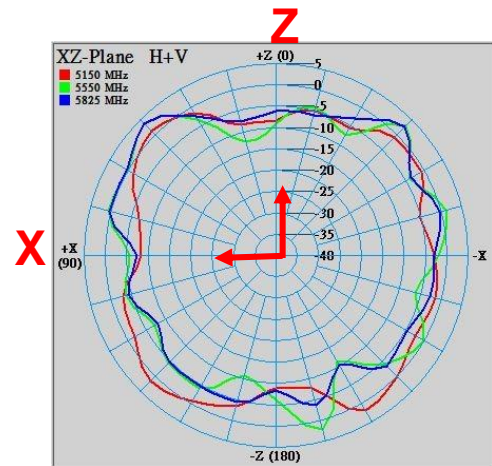
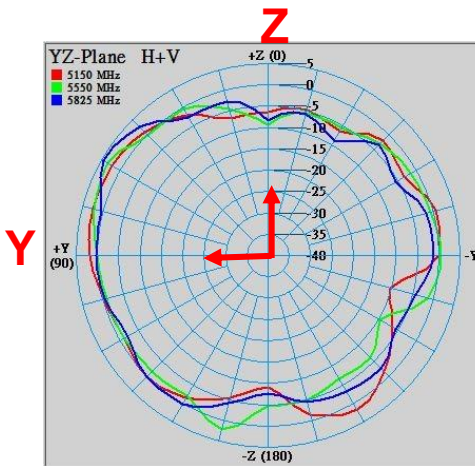
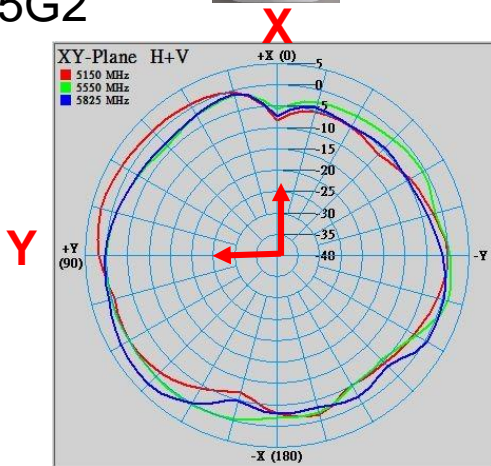


5G Antenna pattern

5G1



5G2



Summary

- **Antenna gain is higher than 4.5dBi, radiation efficiency is above 70%**
- **Aggregate pattern of azimuth plane (XY plane) is more omnidirectional than previous design , it is suitable for table stand or ceiling mount .**