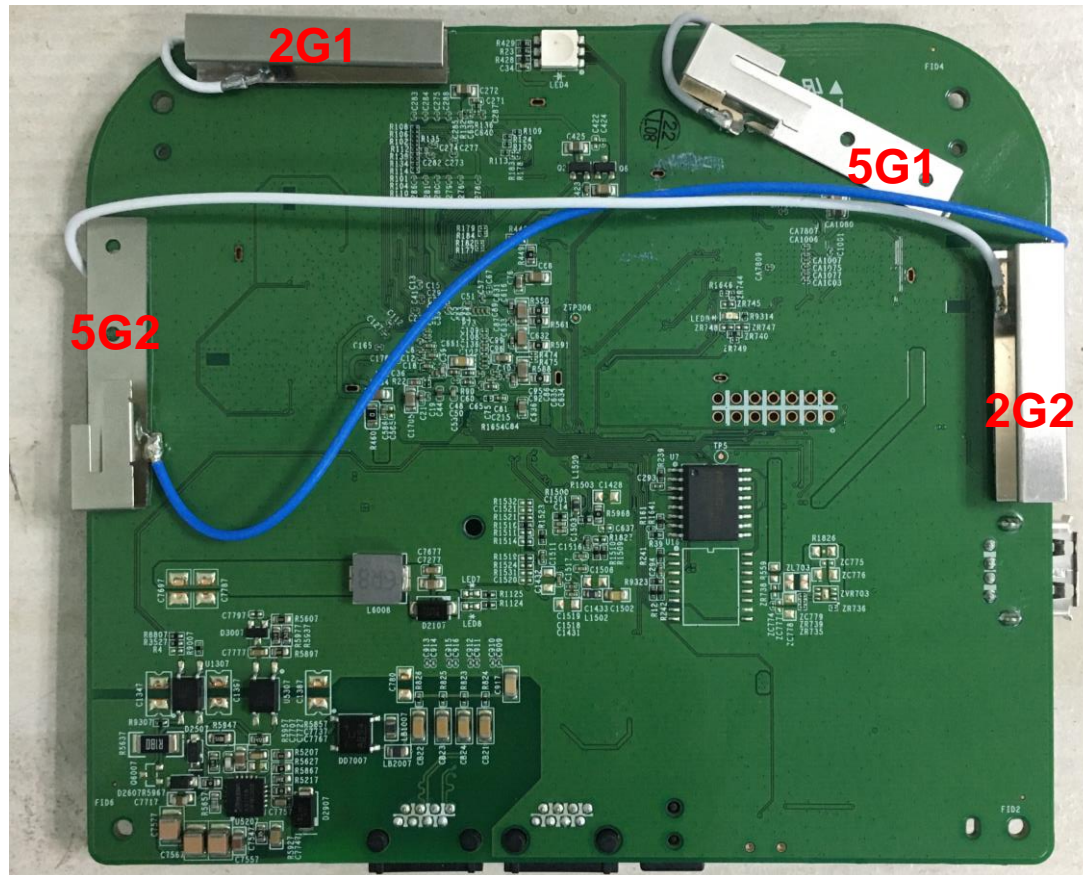


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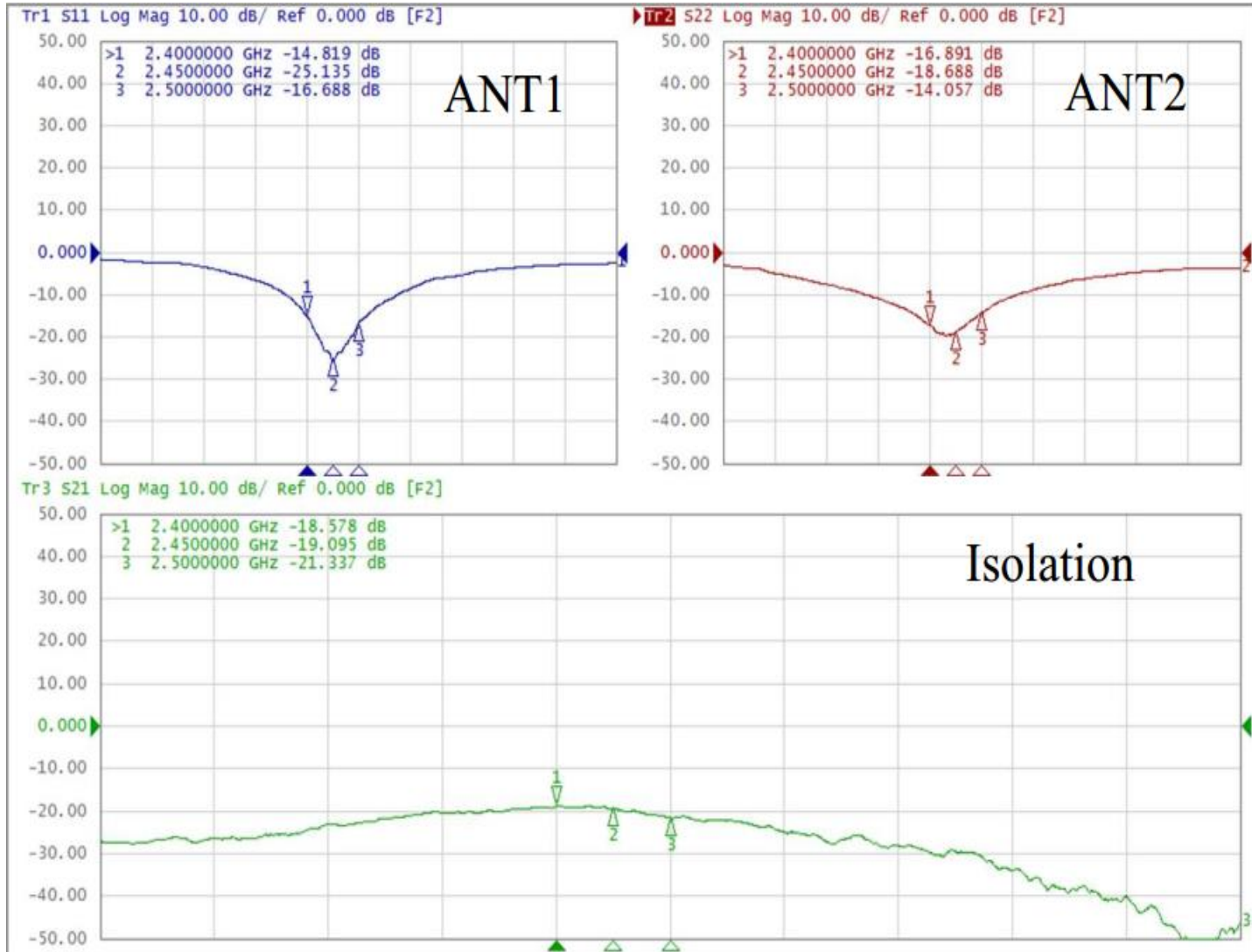
2019/12/25

John Hsieh

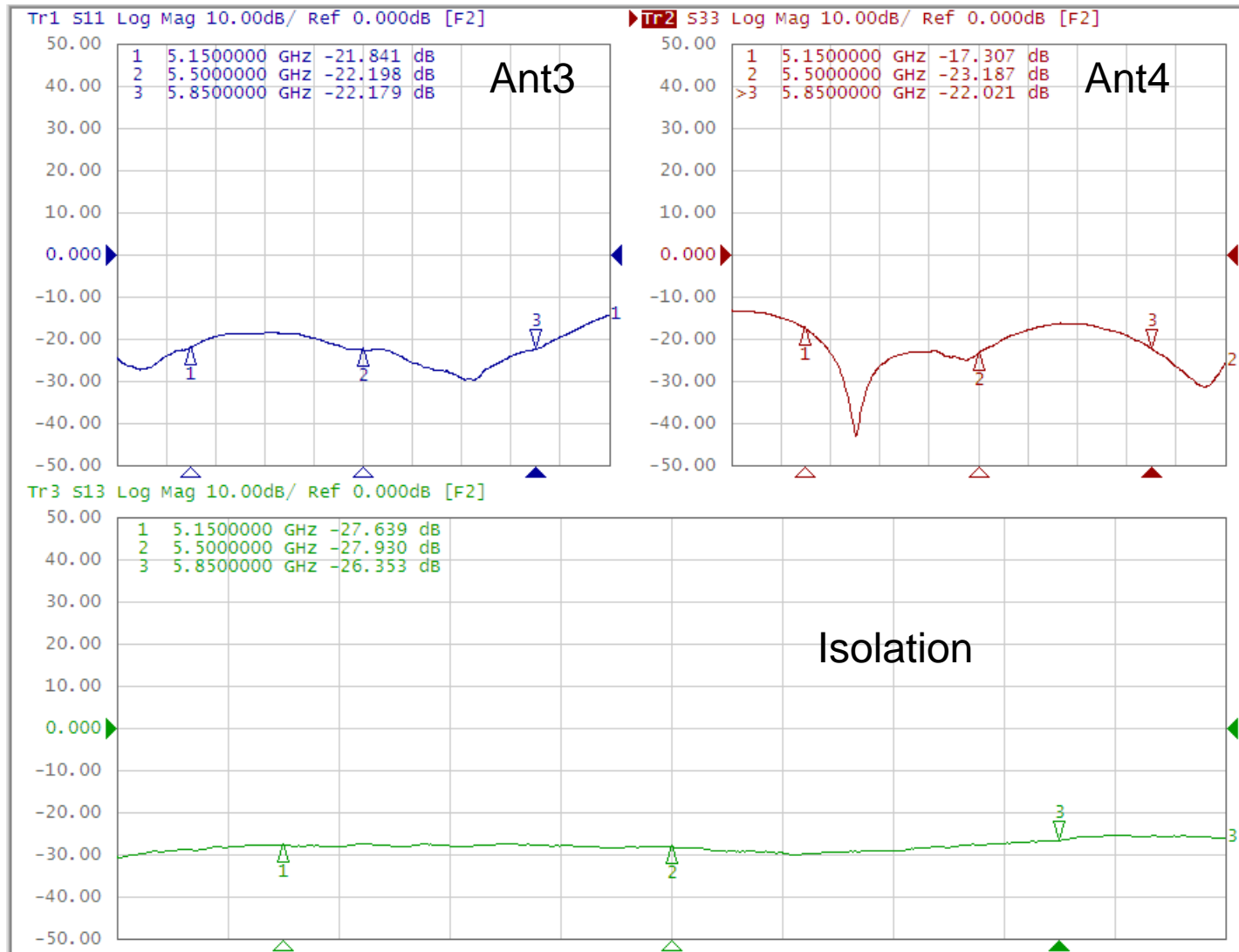
Antenna Placement and Coordinate



2G Antenna S-parameter



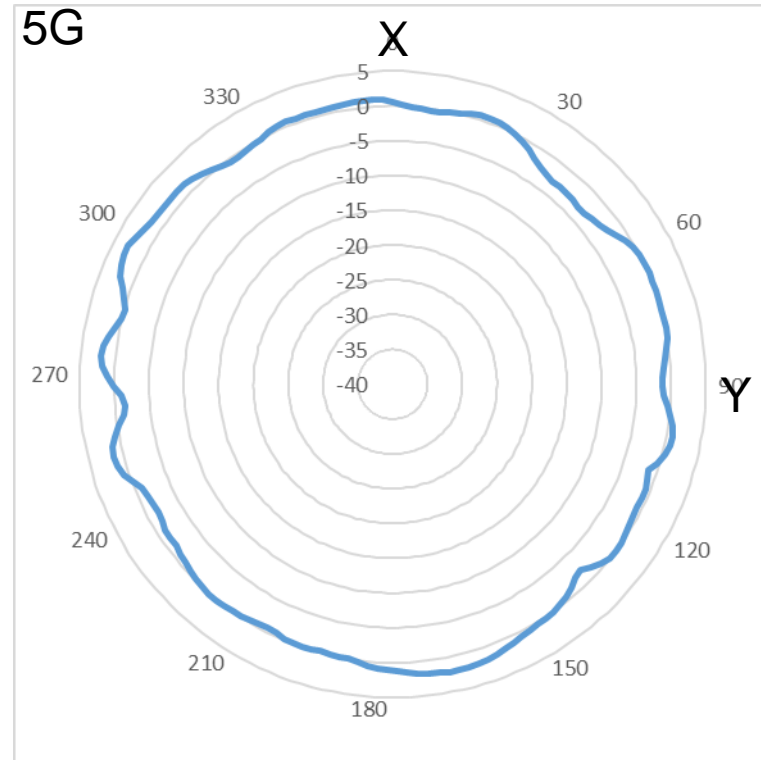
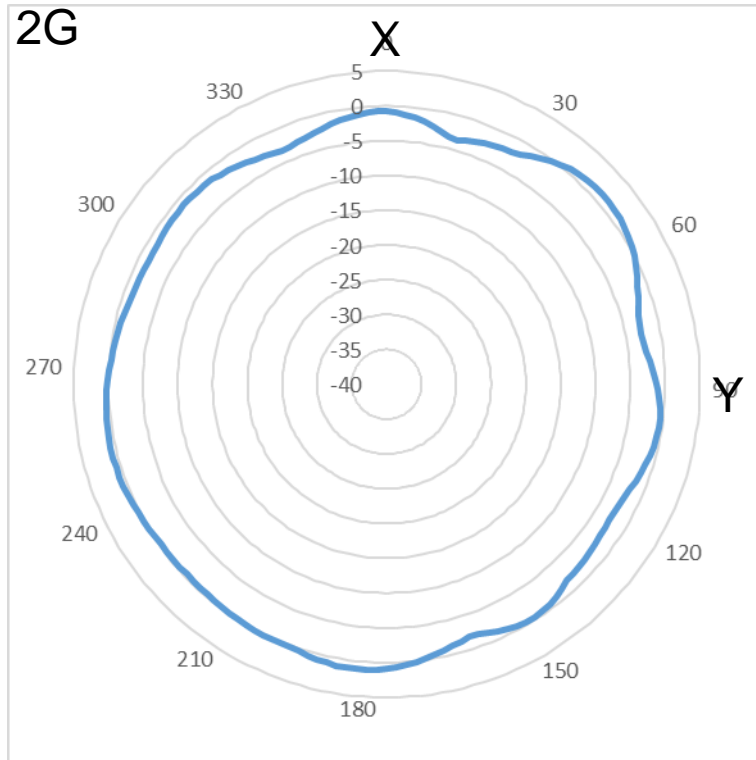
5G Antenna S-parameter



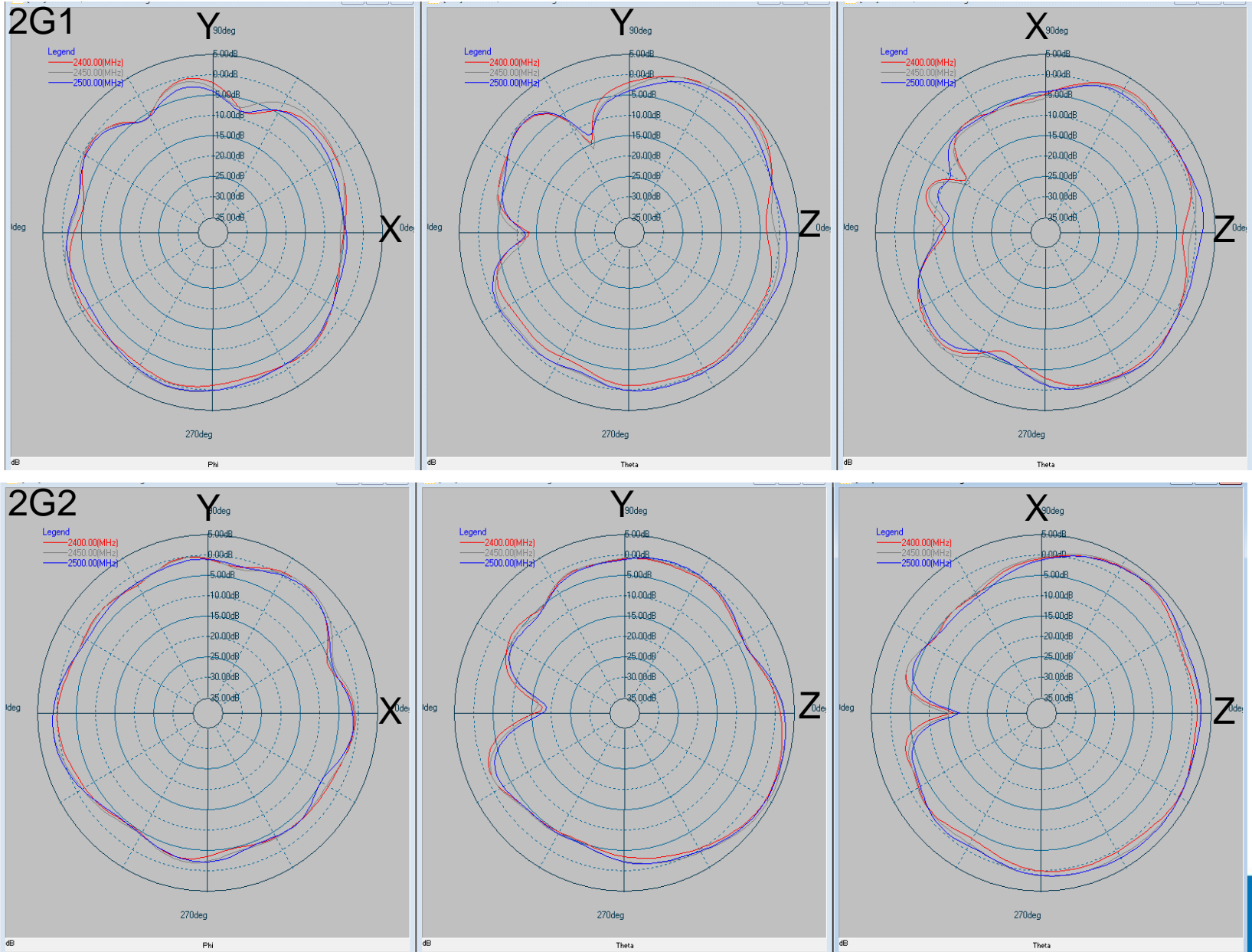
Antenna Gain and Eff.

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

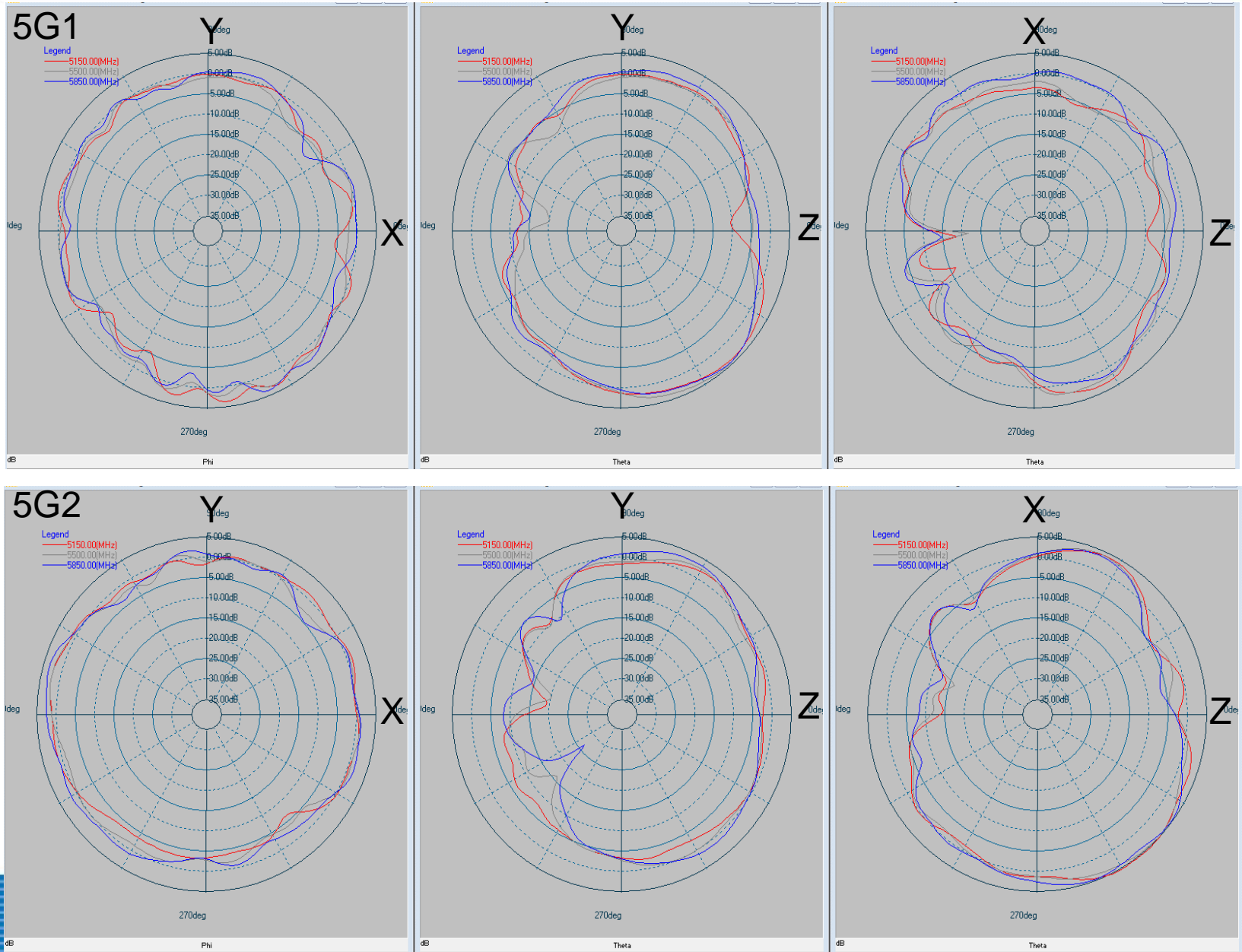
Azimuth Plane (XY Plane) aggregate pattern



2G Antenna pattern



5G Antenna pattern



Summary

- **Antenna gain is higher than 4.5dBi, radiation efficiency is above 70%**
- **Antenna gain pattern is omni-directional in azimuth plane (see Page.6 XY Plane), the pattern is suitable for indoor access point , place on table or client mount.**