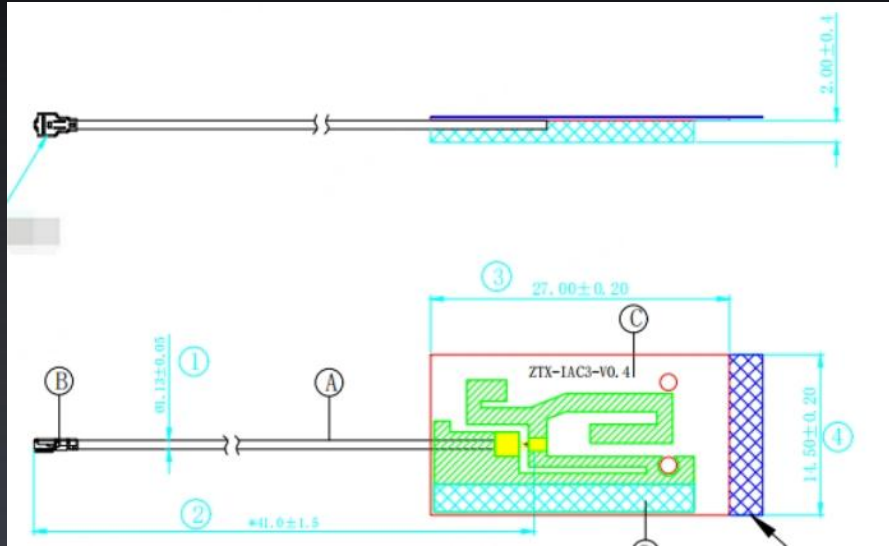


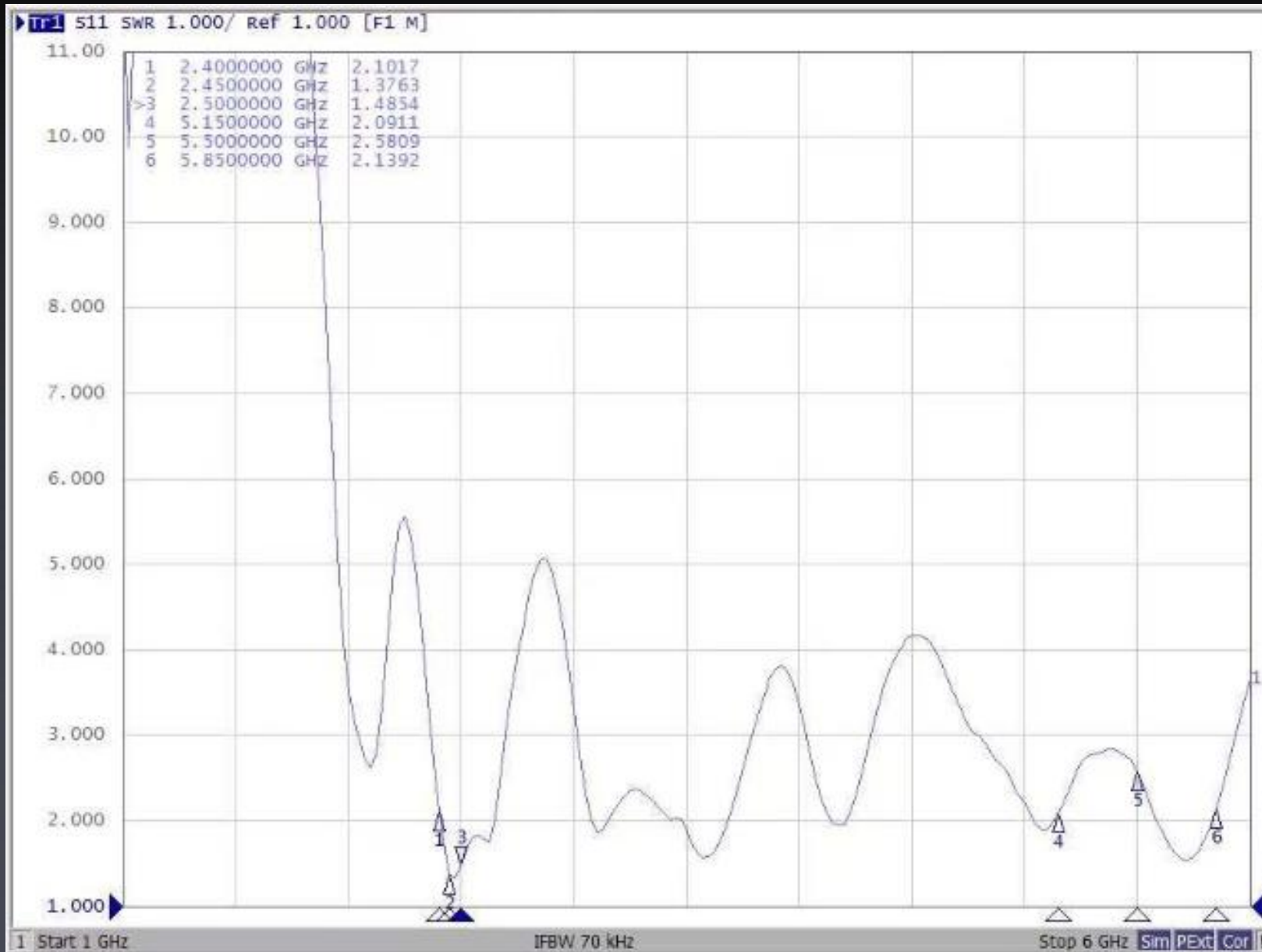
IAC3A-Antenna Test Report

Structure drawing



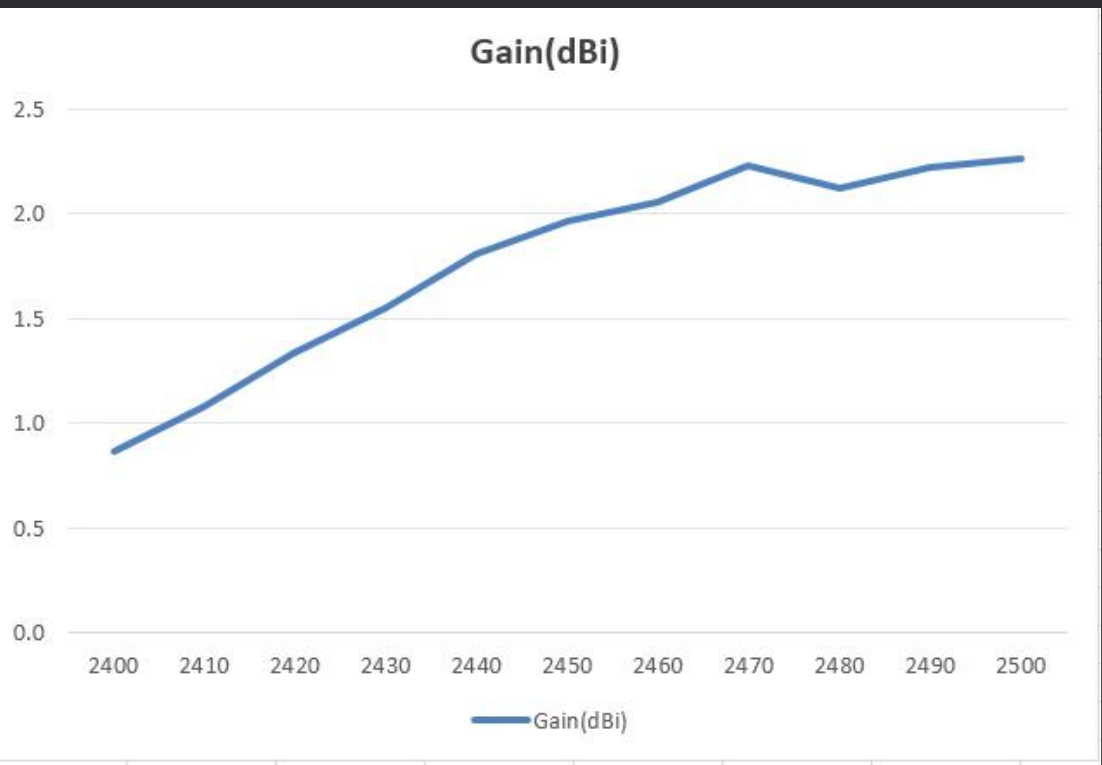
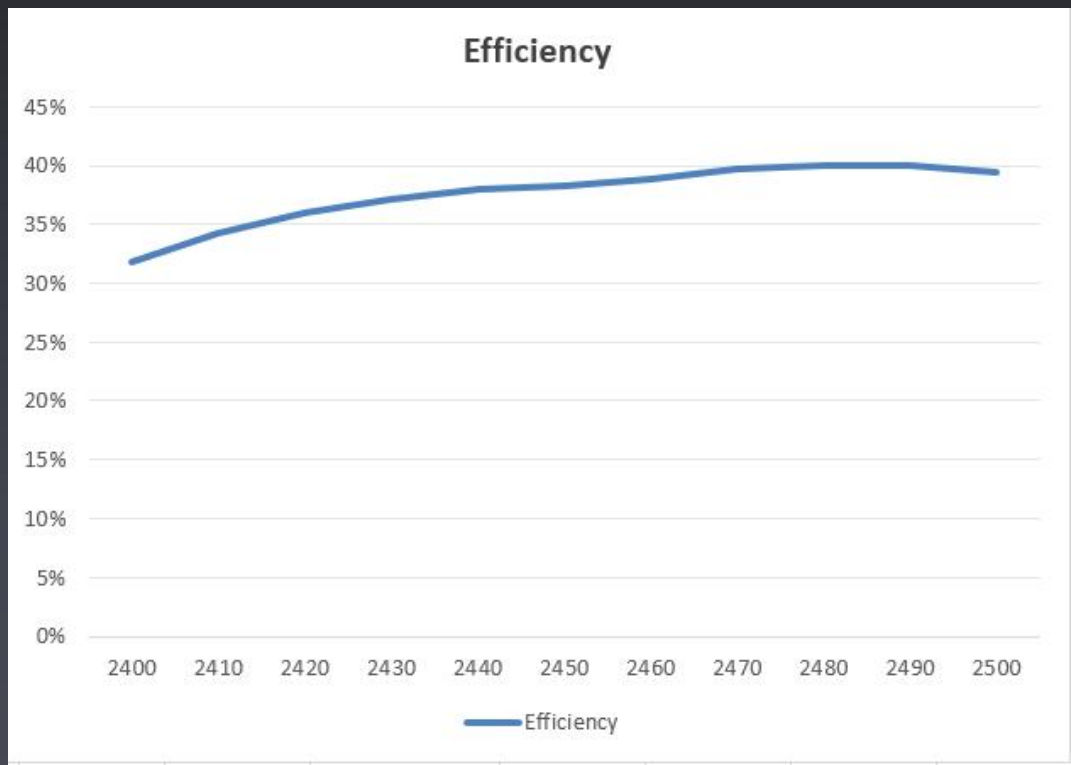
27mm*14.5mm

VSWR/S11



2.4G Gain & Efficiency

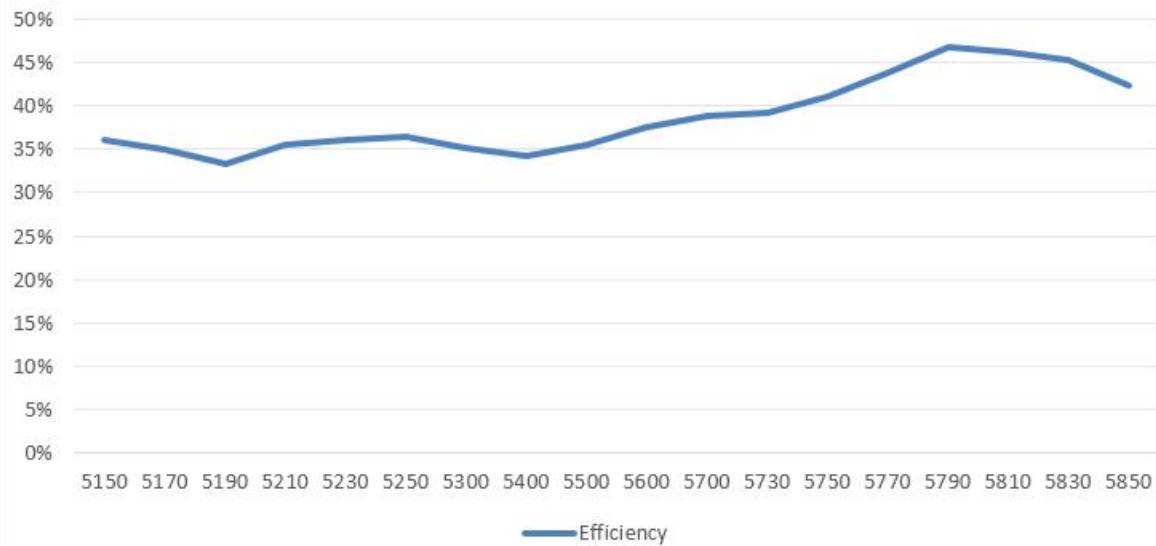
| Frequency (MHz) | 2400 | 2410 | 2420 | 2430 | 2440 | 2450 | 2460 | 2470 | 2480 | 2490 | 2500 |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|
| Efficiency | 32% | 34% | 36% | 37% | 38% | 38% | 39% | 40% | 40% | 40% | 39% |
| Efficiency (dB) | -5.0 | -4.7 | -4.4 | -4.3 | -4.2 | -4.2 | -4.1 | -4.0 | -4.0 | -4.0 | -4.0 |
| Gain (dBi) | 0.9 | 1.1 | 1.3 | 1.6 | 1.8 | 2.0 | 2.1 | 2.2 | 2.1 | 2.2 | 2.3 |



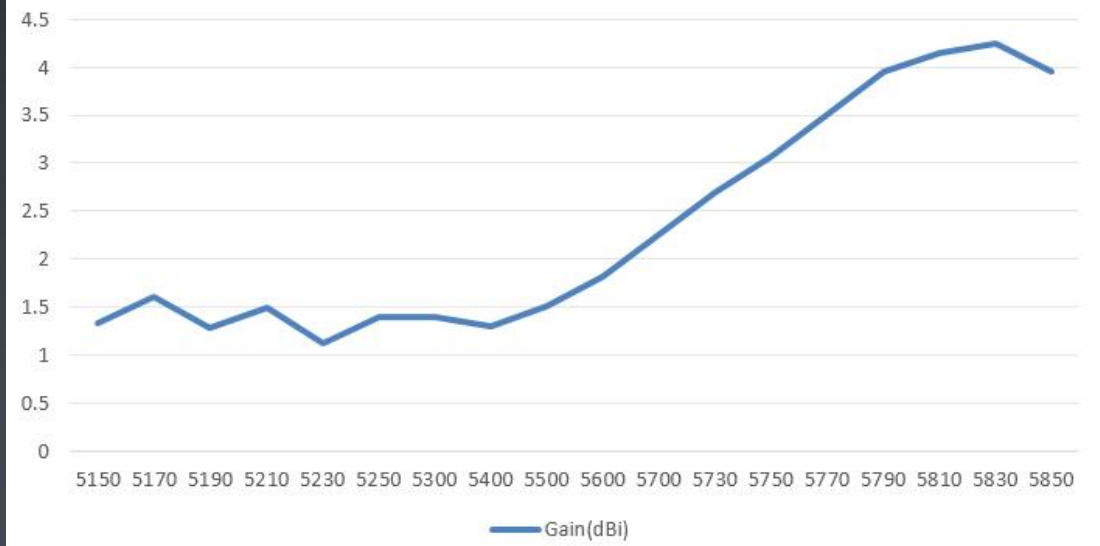
5G Gain & Efficiency

| Frequency (MHz) | 5150 | 5170 | 5190 | 5210 | 5230 | 5250 | 5300 | 5400 | 5500 | 5600 | 5700 | 5730 | 5750 | 5770 | 5790 | 5810 | 5830 | 5850 |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Efficiency | 36% | 35% | 33% | 36% | 36% | 36% | 35% | 34% | 36% | 38% | 39% | 39% | 41% | 44% | 47% | 46% | 45% | 42% |
| Efficiency (dB) | -4.4 | -4.6 | -4.8 | -4.5 | -4.4 | -4.4 | -4.5 | -4.6 | -4.5 | -4.2 | -4.1 | -4.1 | -3.9 | -3.6 | -3.3 | -3.3 | -3.4 | -3.7 |
| Gain (dBi) | 1.3 | 1.6 | 1.3 | 1.5 | 1.1 | 1.4 | 1.4 | 1.3 | 1.5 | 1.8 | 2.3 | 2.7 | 3.1 | 3.5 | 4.0 | 4.1 | 4.2 | 4.0 |

Efficiency

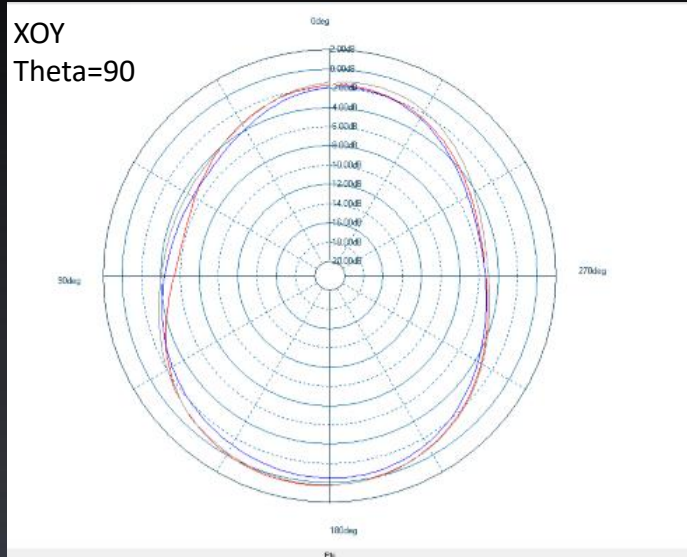


Gain(dBi)

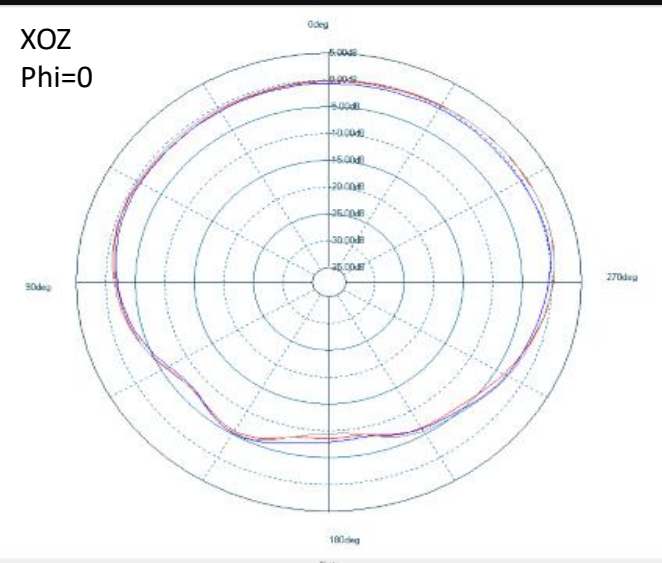


2.4G Radiation pattern

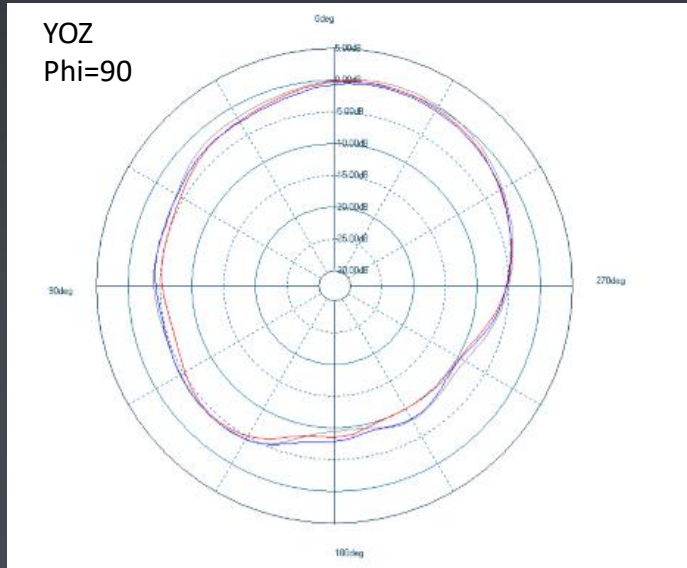
XOY
Theta=90



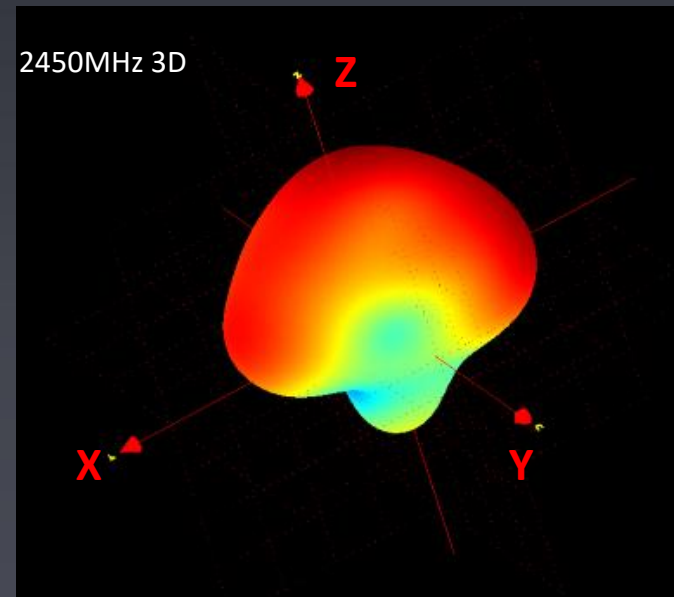
XOZ
Phi=0



YOZ
Phi=90

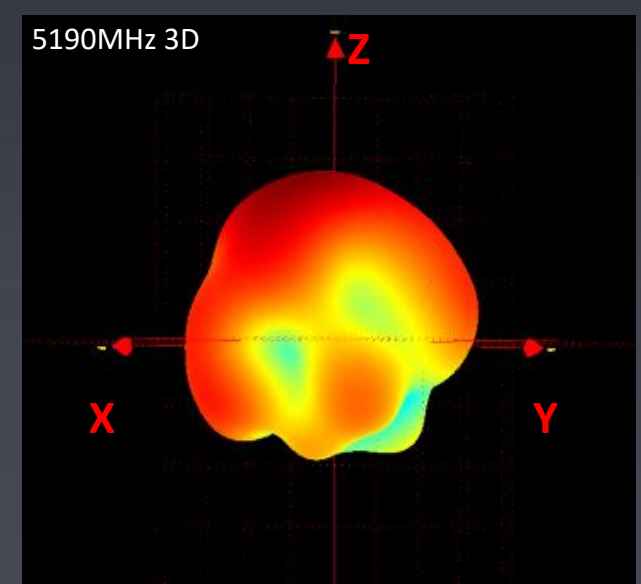
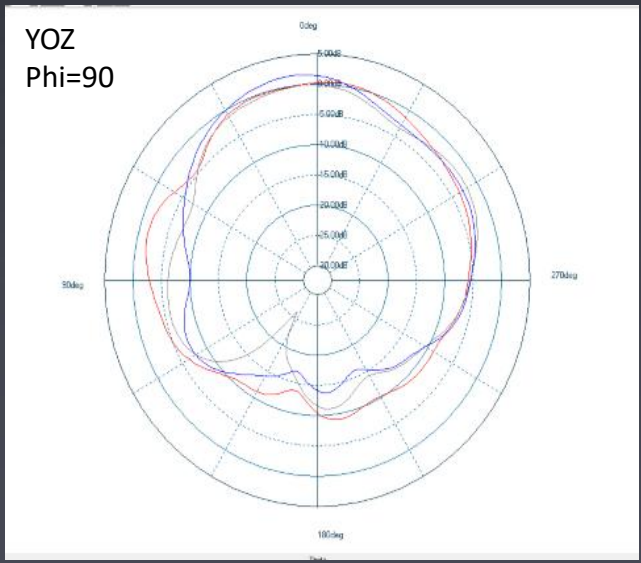
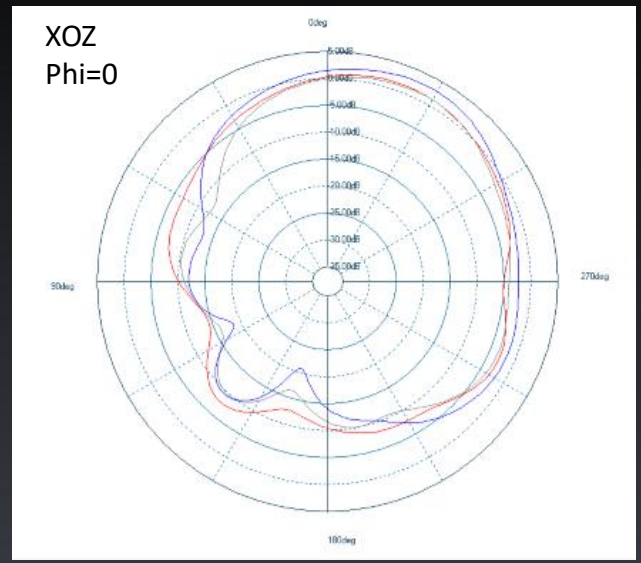
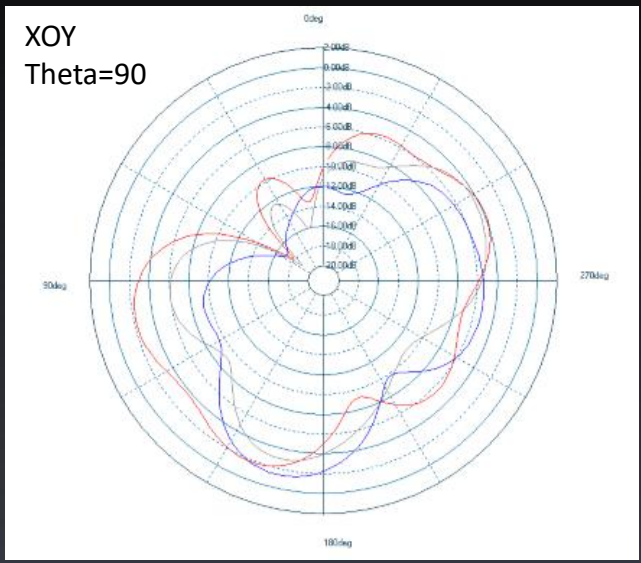


2450MHz 3D



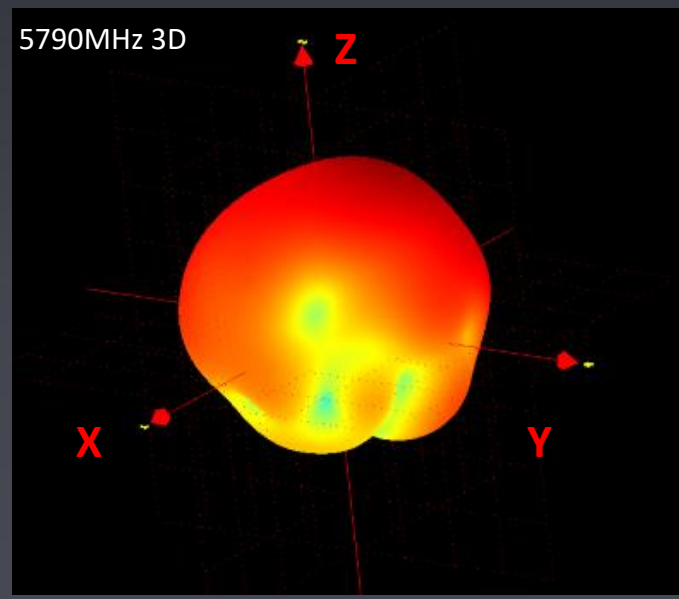
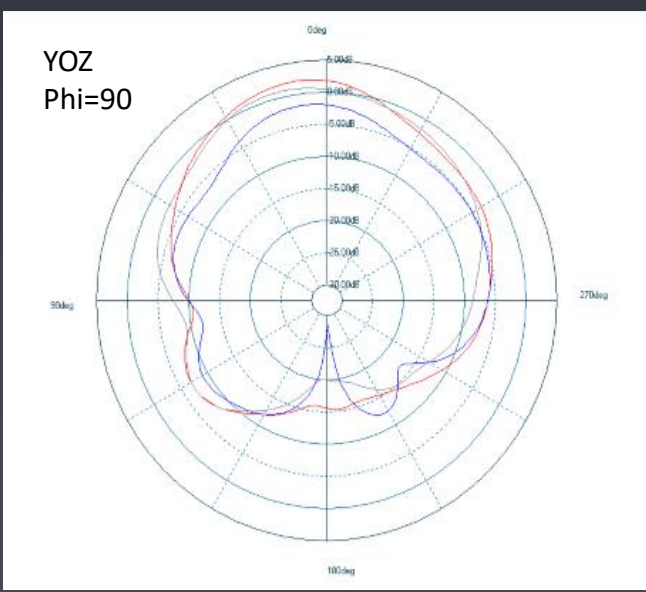
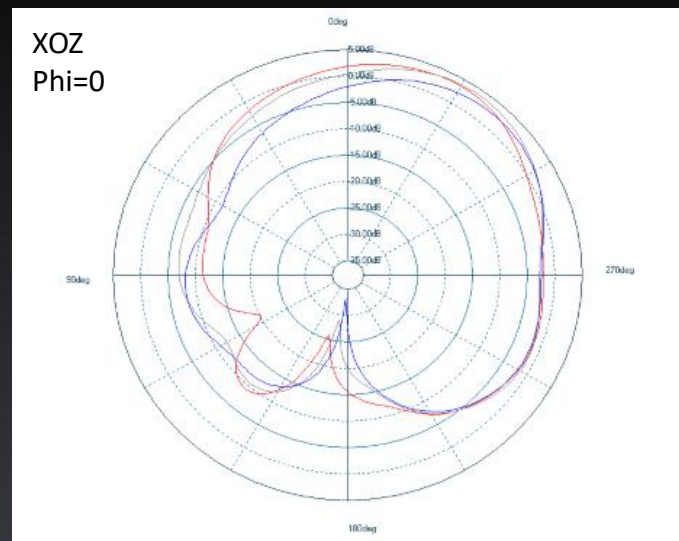
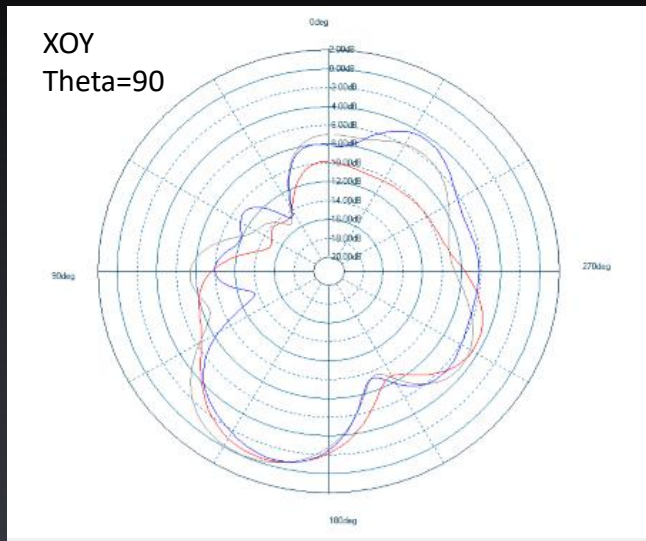
3D-2450.ogl

5G Band1 Radiation pattern




3D-5190.ogl

5G Band4 Radiation pattern




3D-5790.ogl

Thank You