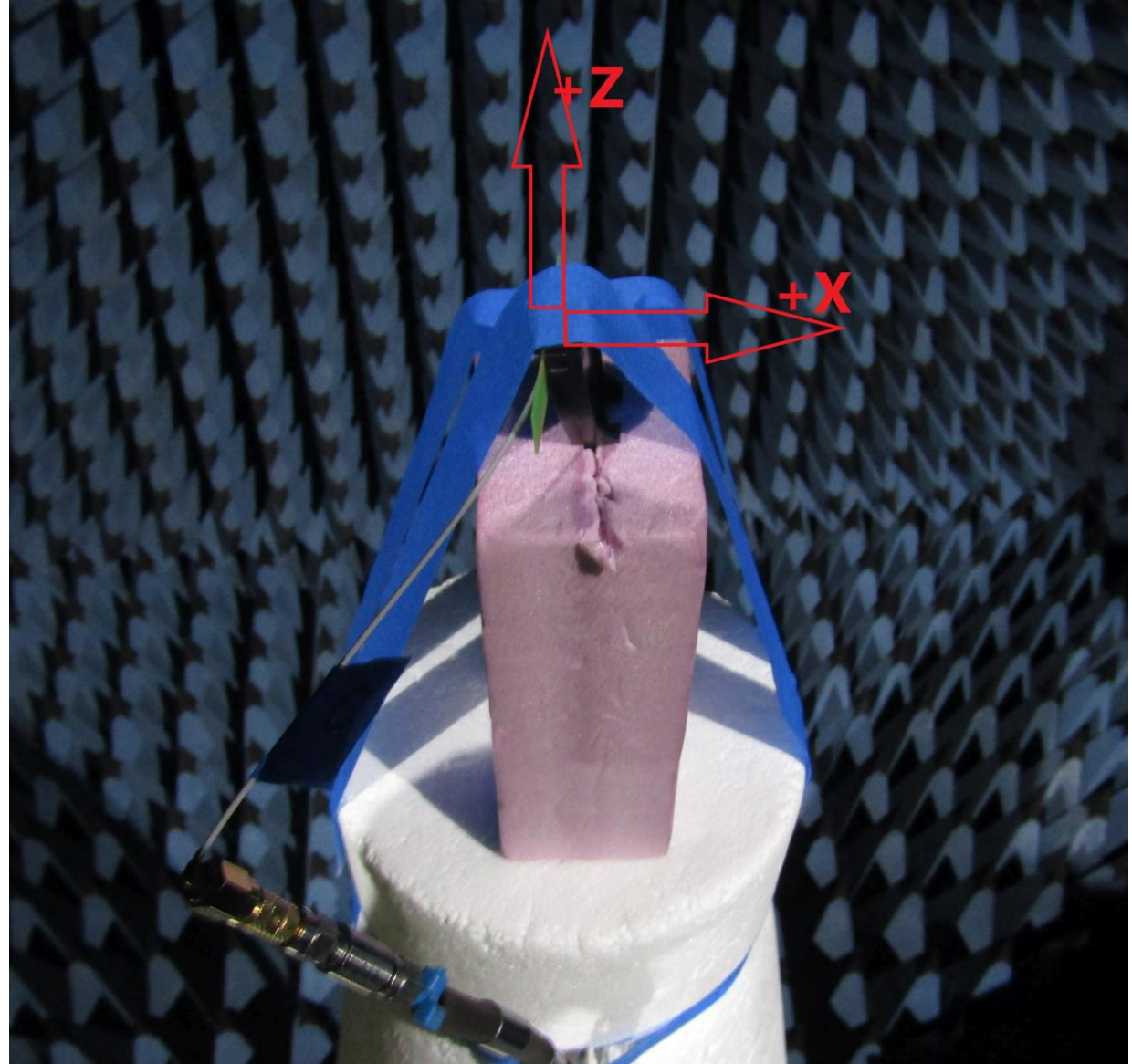


Test Data

Dual Band WiFi Antenna

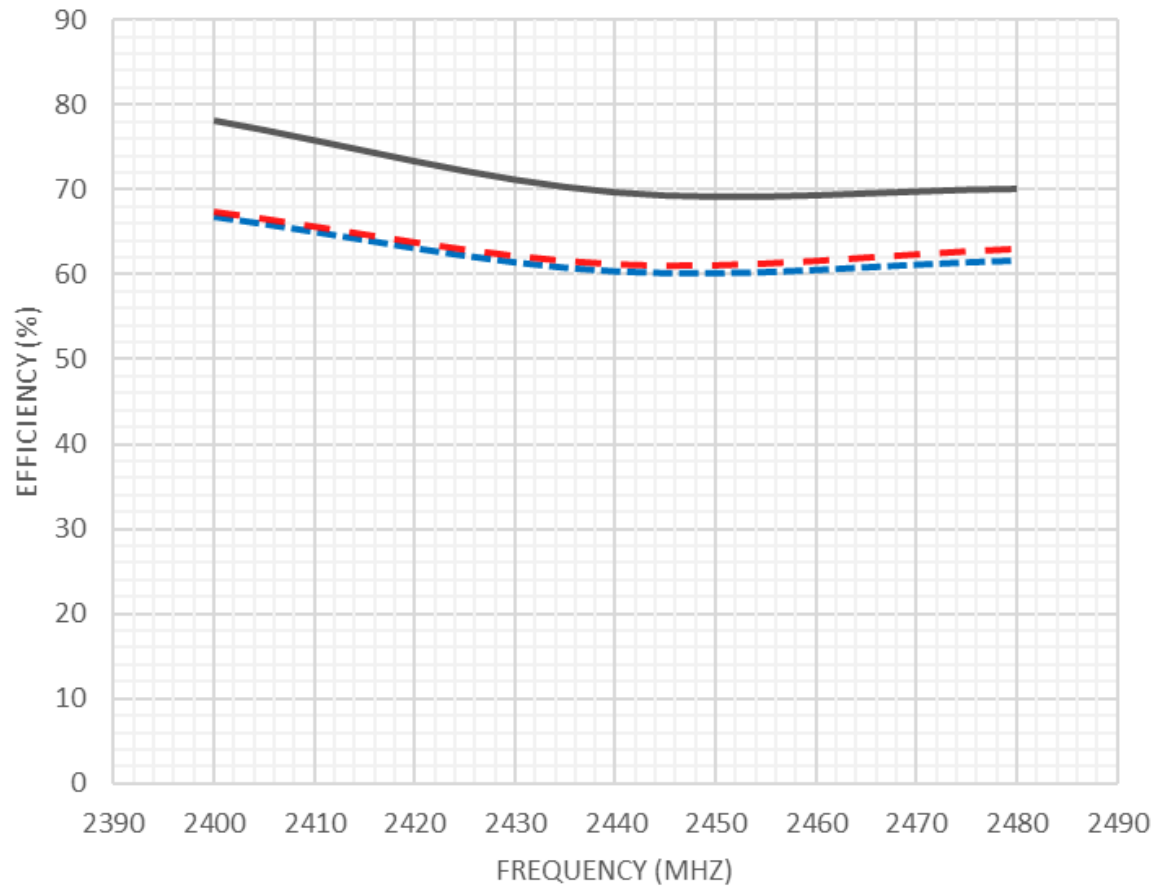
3/1/2023

Antenna
Photos
(Shown in
Clip)



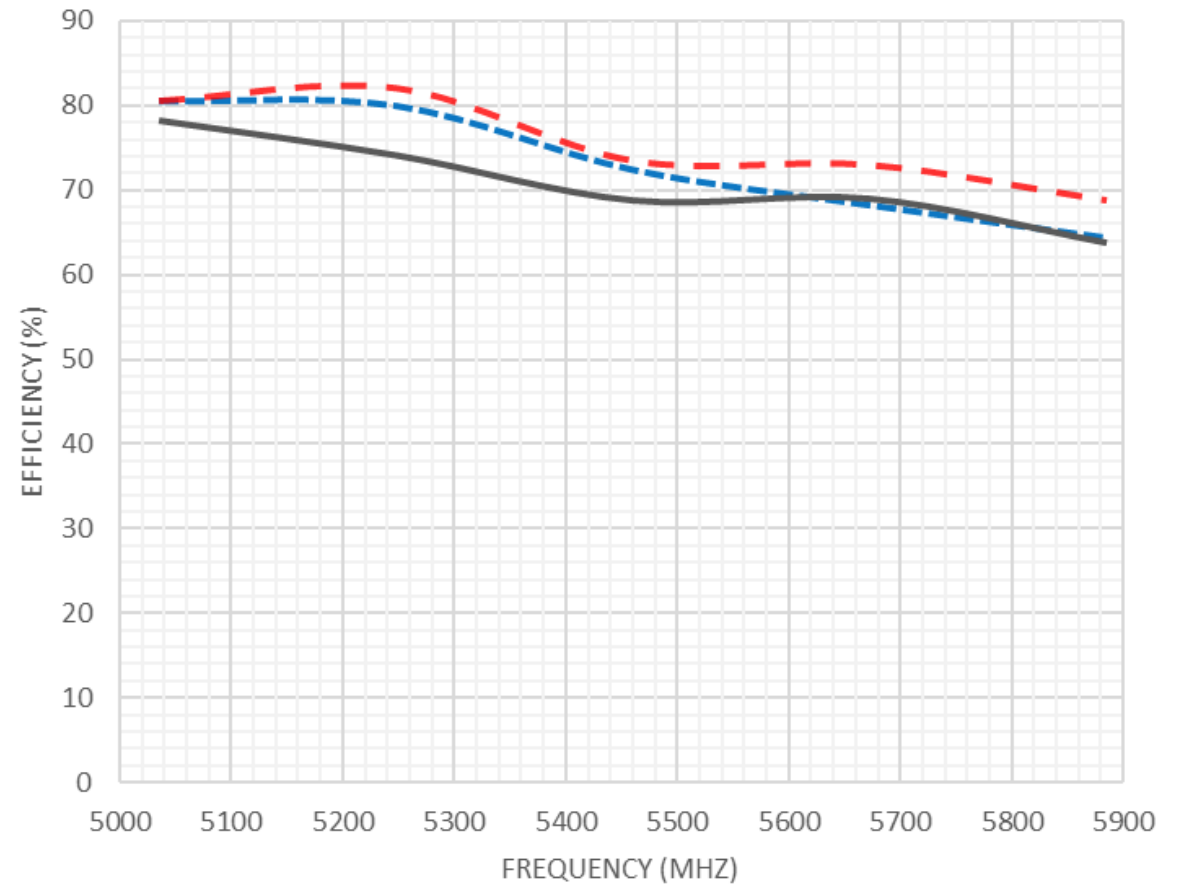
Antenna Efficiency (2.4GHz Band)

Ant A Ant B Ant C (Clip)



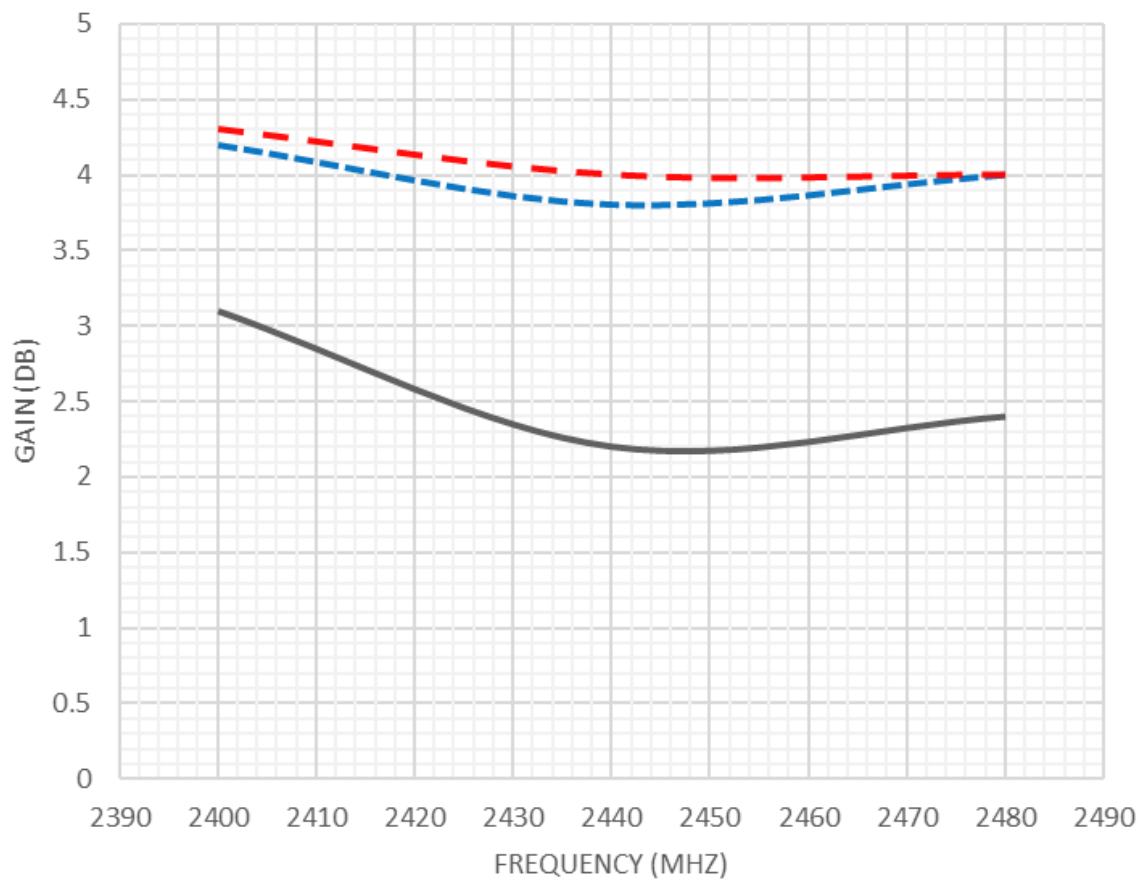
Antenna Efficiency (5.3GHz Band)

Ant A Ant B Ant C (Clip)



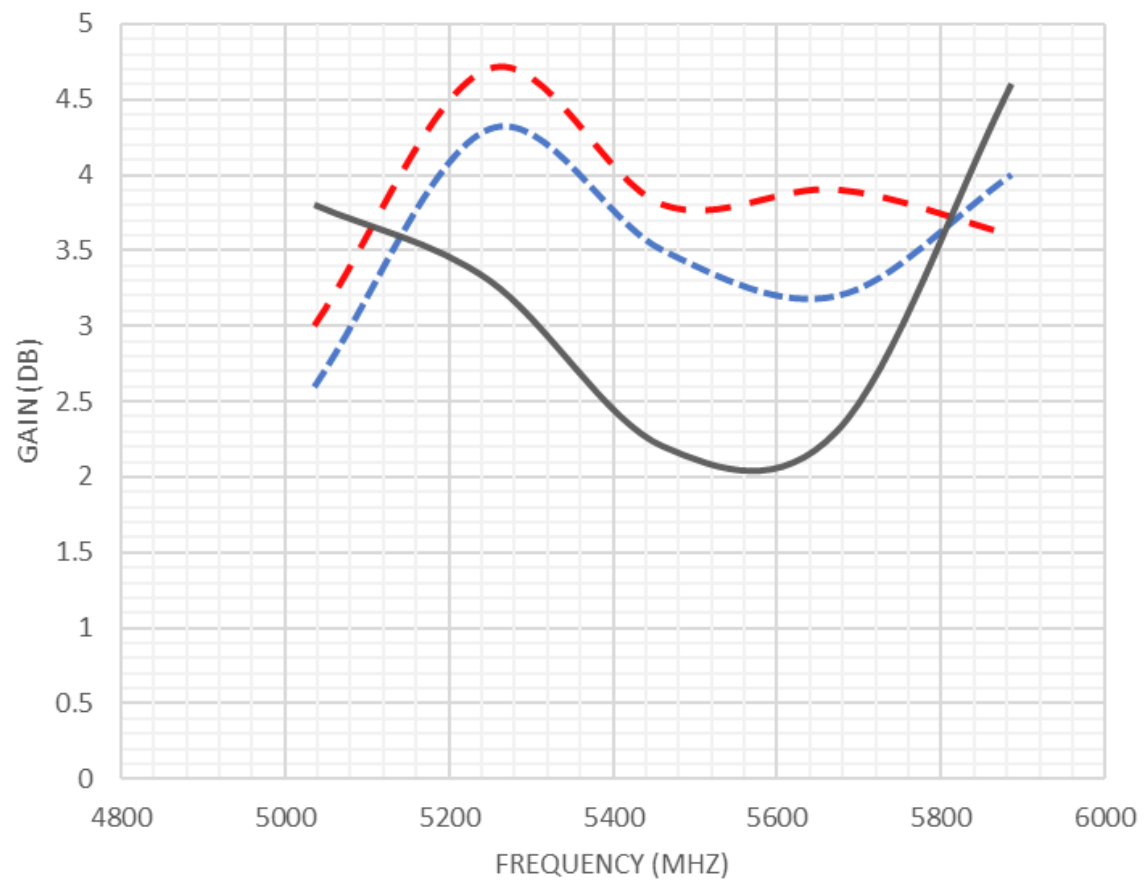
Peak Gain (2.4GHz Band)

Ant A Ant B Ant C (Clip)

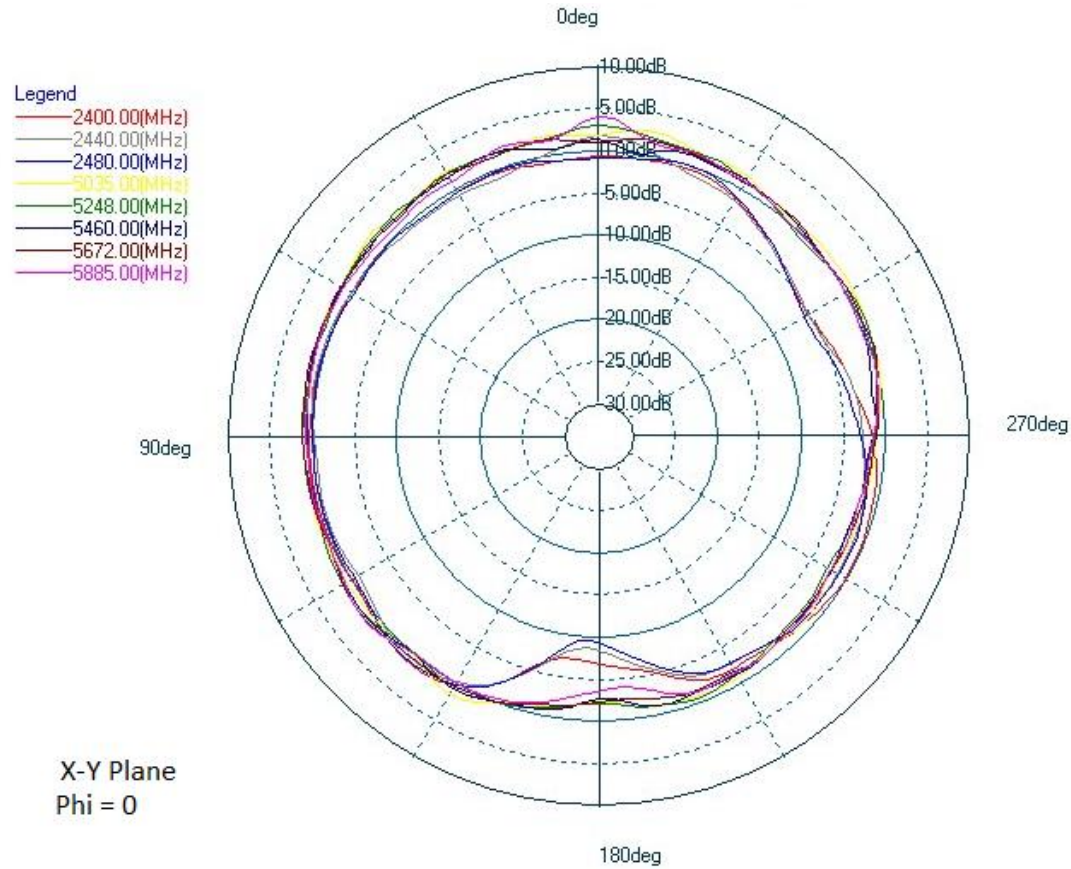


Peak Gain (5.3GHz Band)

Ant A Ant B Ant C (Clip)

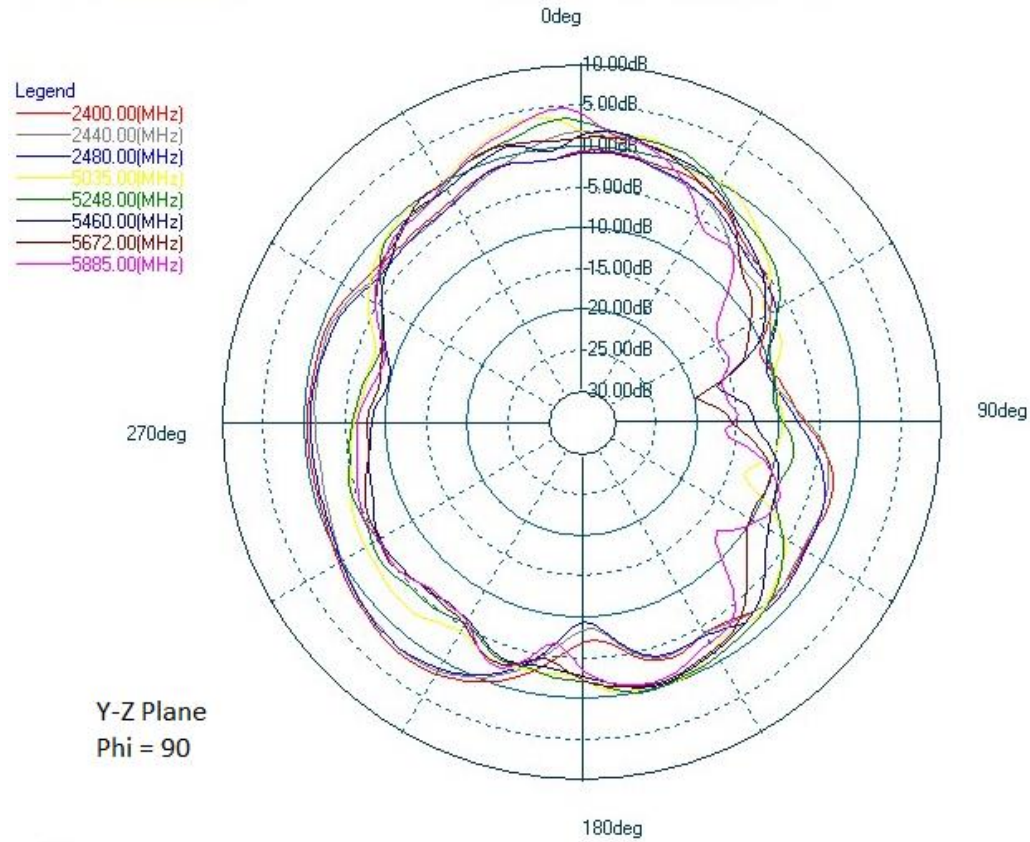


2D Polar Plots : X-Y Plane



Layer	Max value	Position	Min value	Position	BeamWidth	Max/Min	Average
2400(MHz)	1.10 dB	141.00 deg	-7.44 dB	171.00 deg	188.86 deg	8.54 dB	-1.42 dB
2440(MHz)	1.54 dB	0.00 deg	-8.84 dB	177.00 deg	180.45 deg	10.38 dB	-1.70 dB
2480(MHz)	0.88 dB	141.00 deg	-9.80 dB	177.00 deg	191.97 deg	10.68 dB	-1.79 dB
5035(MHz)	2.73 dB	-9.00 deg	-2.59 dB	-180.00 deg	241.61 deg	5.31 dB	0.35 dB
5248(MHz)	2.92 dB	0.00 deg	-2.75 dB	-120.00 deg	177.91 deg	5.67 dB	0.22 dB
5460(MHz)	1.85 dB	21.00 deg	-2.86 dB	-180.00 deg	251.92 deg	4.71 dB	-0.05 dB
5672(MHz)	1.92 dB	30.00 deg	-2.69 dB	-174.00 deg	254.48 deg	4.61 dB	0.13 dB
5885(MHz)	3.83 dB	0.00 deg	-4.04 dB	-174.00 deg	55.23 deg	7.87 dB	-0.03 dB

2D Polar Plots : Y-Z Plane

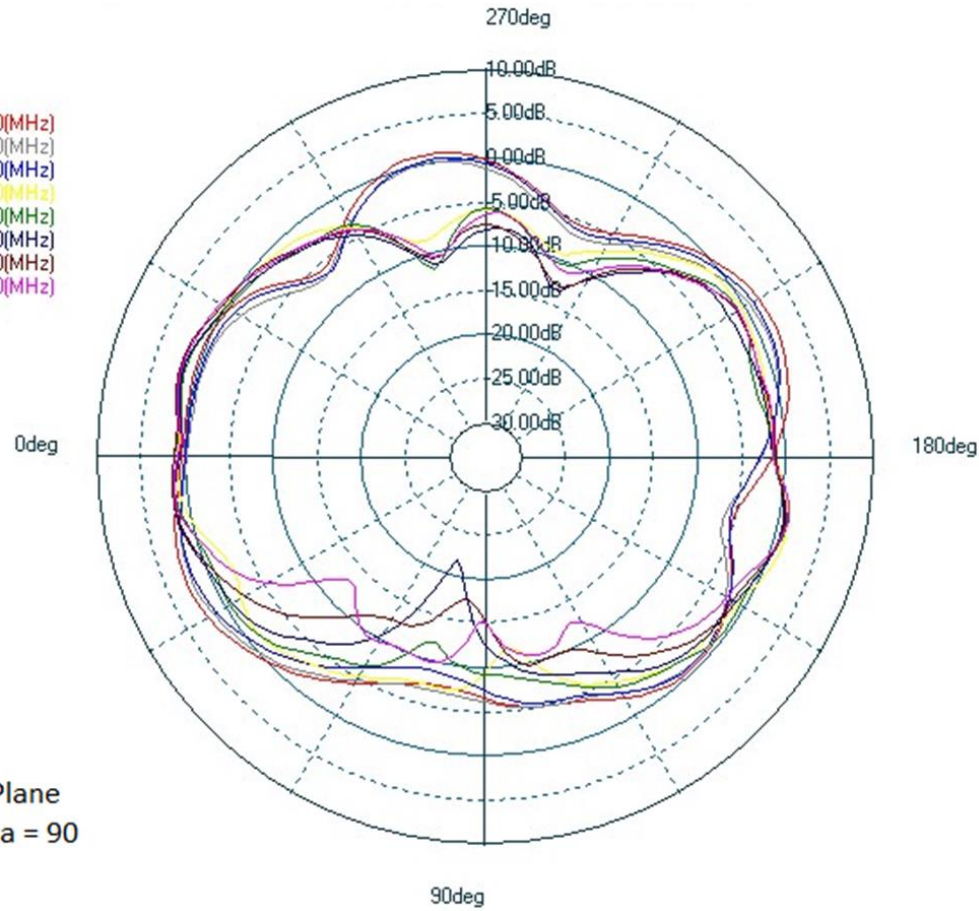


Layer	Max value	Position	Min value	Position	BeamWidth	Max/Min	Average
2400(MHz)	2.04 dB	-144.00 deg	-10.57 dB	69.00 deg	97.41 deg	12.61 dB	-2.23 dB
2440(MHz)	1.60 dB	-144.00 deg	-10.06 dB	75.00 deg	57.32 deg	11.66 dB	-2.55 dB
2480(MHz)	1.51 dB	-141.00 deg	-10.52 dB	75.00 deg	90.23 deg	12.04 dB	-2.69 dB
5035(MHz)	3.77 dB	-9.00 deg	-13.29 dB	108.00 deg	44.01 deg	17.06 dB	-2.73 dB
5248(MHz)	3.24 dB	-3.00 deg	-10.47 dB	84.00 deg	53.61 deg	13.71 dB	-2.90 dB
5460(MHz)	1.83 dB	6.00 deg	-16.89 dB	75.00 deg	63.66 deg	18.72 dB	-4.04 dB
5672(MHz)	1.23 dB	-18.00 deg	-19.94 dB	78.00 deg	72.05 deg	21.16 dB	-4.20 dB
5885(MHz)	4.58 dB	-3.00 deg	-16.49 dB	93.00 deg	26.58 deg	21.07 dB	-4.30 dB

2D Polar Plots : Z-X Plane

Legend

- 2400.00(MHz)
- 2440.00(MHz)
- 2480.00(MHz)
- 5035.00(MHz)
- 5248.00(MHz)
- 5460.00(MHz)
- 5672.00(MHz)
- 5885.00(MHz)



Layer	Max value	Position	Min value	Position	BeamWidth	Max/Min	Average
2400(MHz)	2.69 dB	21.00 deg	-7.62 dB	81.00 deg	----	10.31 dB	-1.47 dB
2440(MHz)	2.00 dB	21.00 deg	-6.98 dB	246.00 deg	----	8.98 dB	-2.24 dB
2480(MHz)	1.85 dB	21.00 deg	-9.11 dB	78.00 deg	----	10.95 dB	-2.22 dB
5035(MHz)	1.65 dB	345.00 deg	-12.23 dB	96.00 deg	----	13.88 dB	-2.74 dB
5248(MHz)	1.47 dB	6.00 deg	-12.35 dB	75.00 deg	----	13.82 dB	-3.04 dB
5460(MHz)	1.65 dB	9.00 deg	-22.02 dB	75.00 deg	----	23.67 dB	-3.69 dB
5672(MHz)	2.03 dB	342.00 deg	-17.64 dB	81.00 deg	----	19.67 dB	-3.81 dB
5885(MHz)	1.77 dB	345.00 deg	-15.42 dB	90.00 deg	----	17.19 dB	-4.09 dB