

Z03

Antenna Test Report

Basic Specifications

Specification	Descriptions
Model Name	Z03-R V11
Frequency	2.4~2.483GHz&5.15~5.875GHz
Connector Type	Spring
Gain	R:0.64dBi@2.4~2.4835GHz R:3.01dBi@5.15~5.25GHz R:3.50dBi@5.725~5.85GHz
Antenna manufacturer company name	Shenzhen ZTX Communication Technology Co., LTD
Antenna manufacturer company address	No.34,ShilongAvenue,ShiyanTown,Baoan District, Shenzhen,(TengdaIndustrialPark)

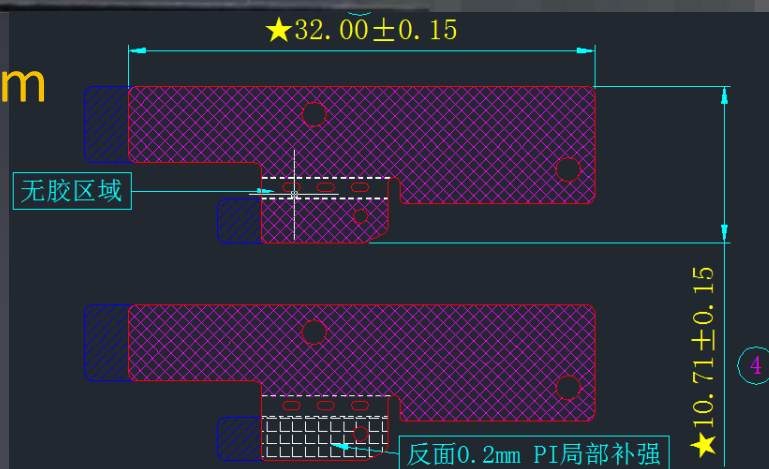
Basic Specifications

Specification	Descriptions
Model Name	Z03-L V11
Frequency	2.4~2.483GHz&5.15~5.875GHz
Connector Type	Spring
Gain	L:0.75dBi@2.4~2.4835GHz L:2.5dBi@5.15~5.25GHz L:4.74dBi@5.725~5.85GHz
Antenna manufacturer company name	Shenzhen ZTX Communication Technology Co., LTD
Antenna manufacturer company address	No.34,ShilongAvenue,ShiyanTown,Baoan District, Shenzhen,(TengdaIndustrialPark)

Structure drawing



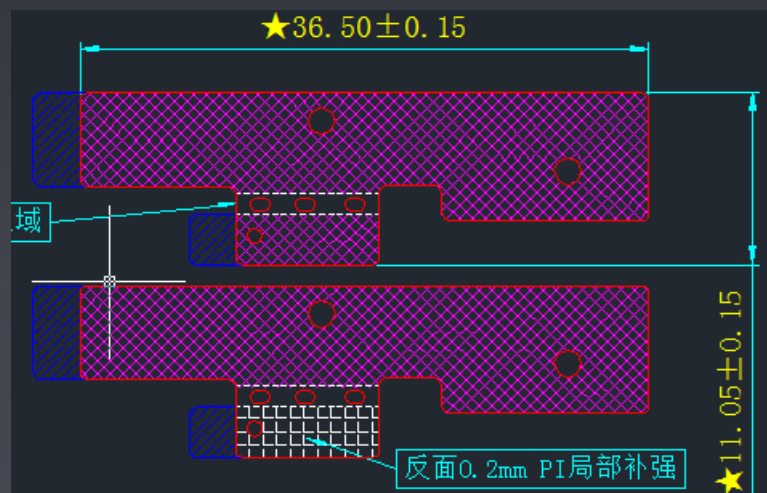
10.71mm*32mm



Structure drawing

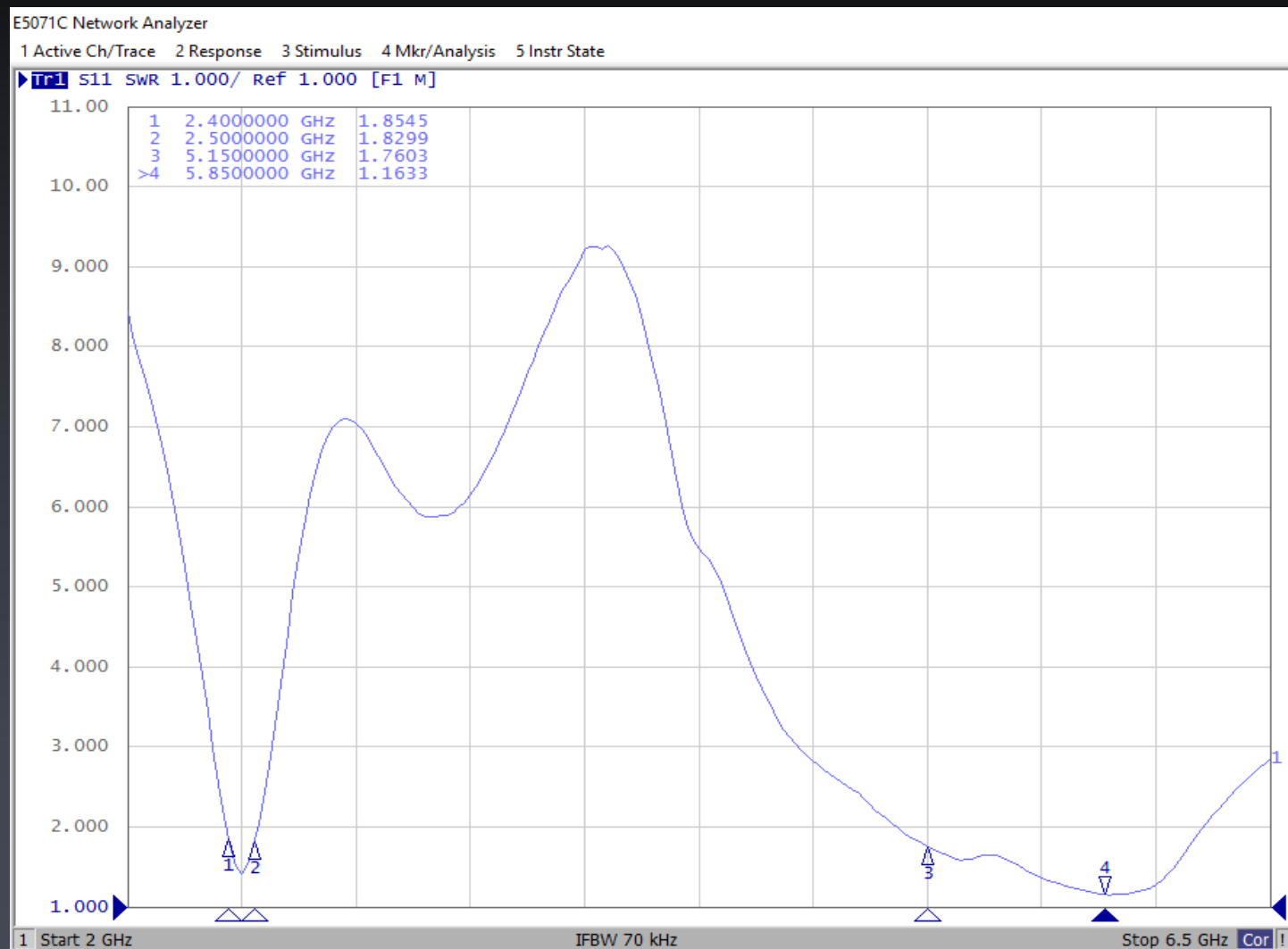


11.05mm*36.5mm



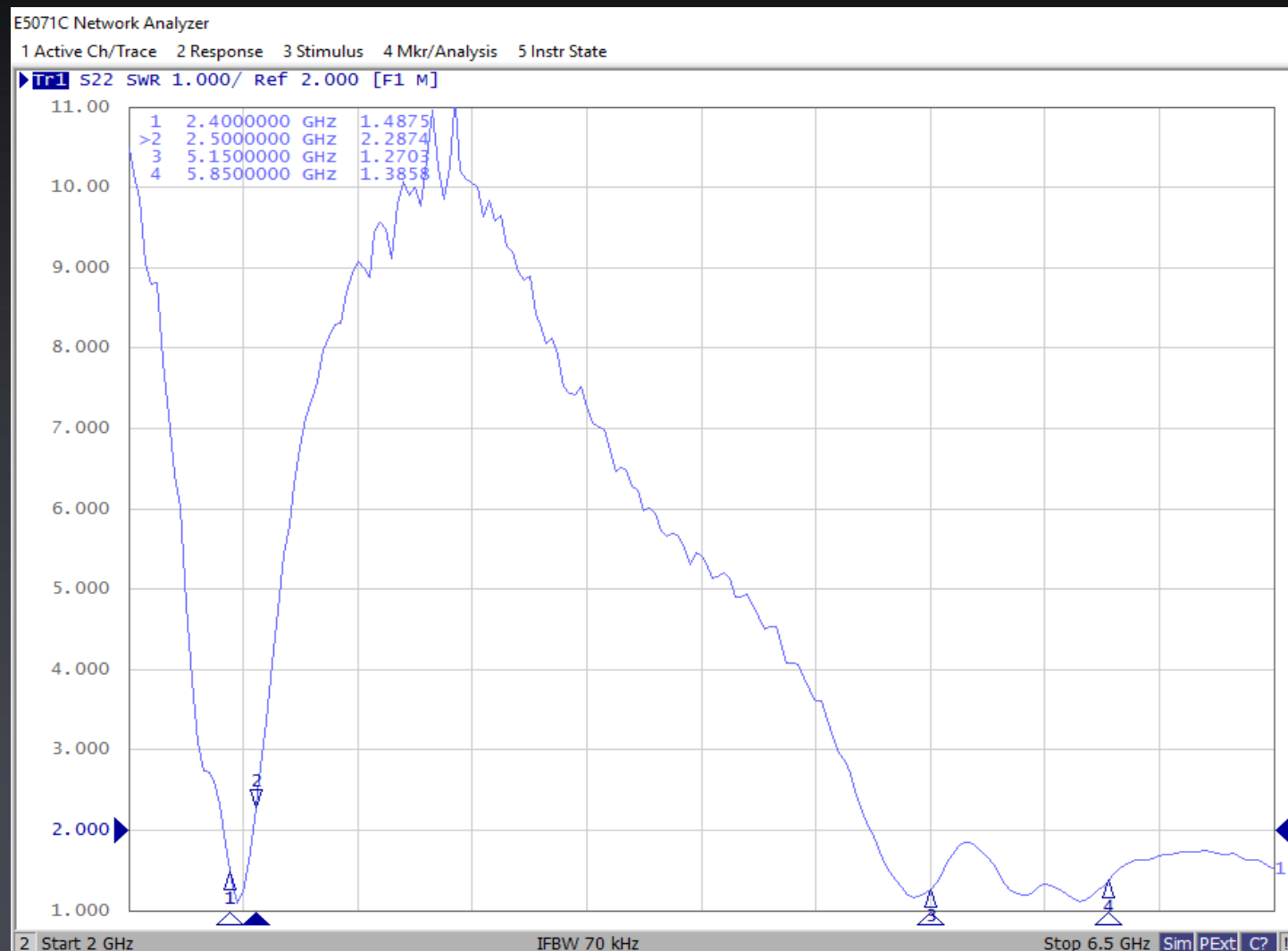
VSWR/S11

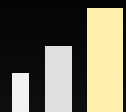
R



VSWR/S11

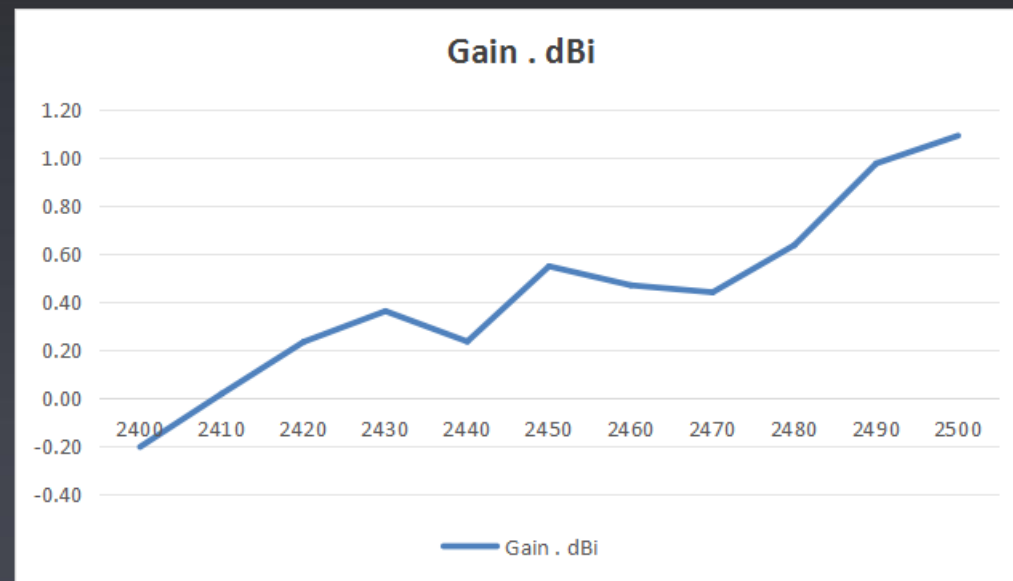
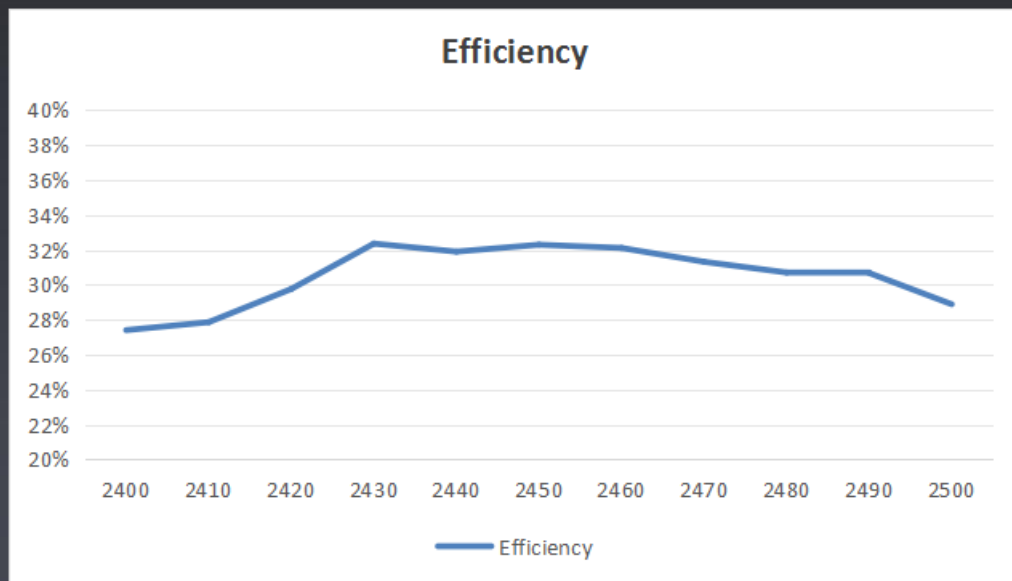
L





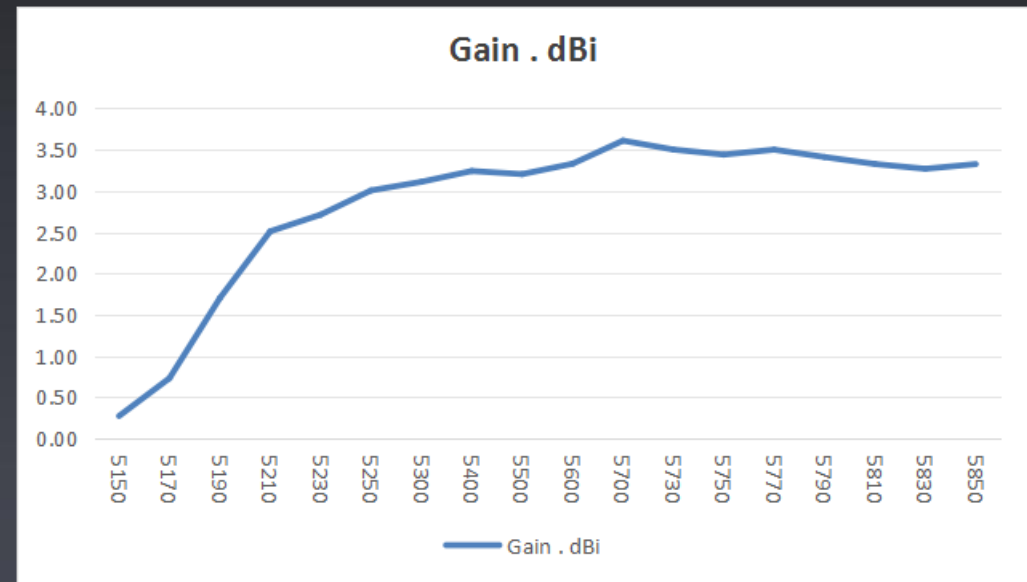
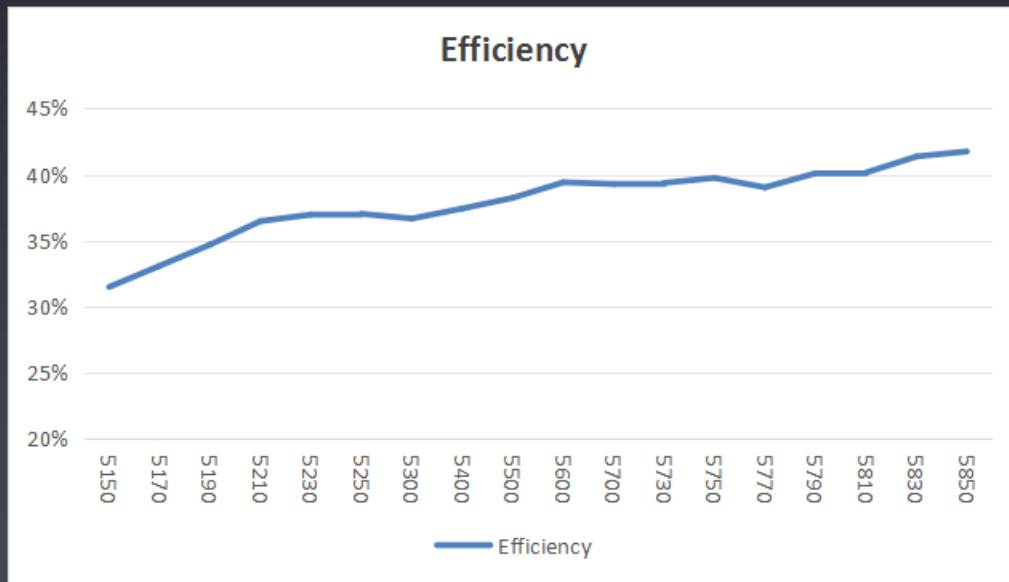
R: 2.4G Gain & Efficiency

Frequency (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Efficiency	27%	28%	30%	32%	32%	32%	32%	31%	31%	31%	29%
Efficiency (dB)	-5.62	-5.55	-5.26	-4.90	-4.96	-4.91	-4.93	-5.04	-5.13	-5.13	-5.39
Gain (dBi)	-0.20	0.02	0.24	0.36	0.24	0.55	0.47	0.44	0.64	0.98	1.09

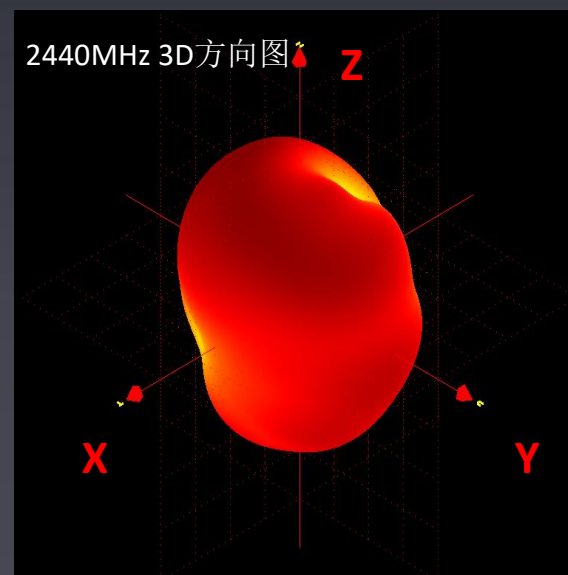
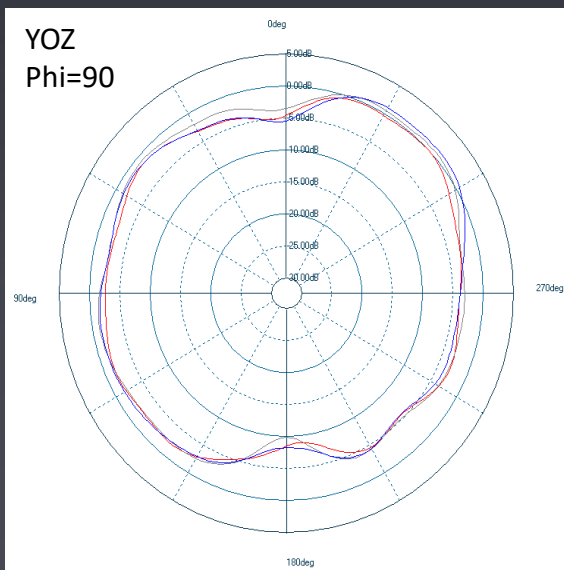
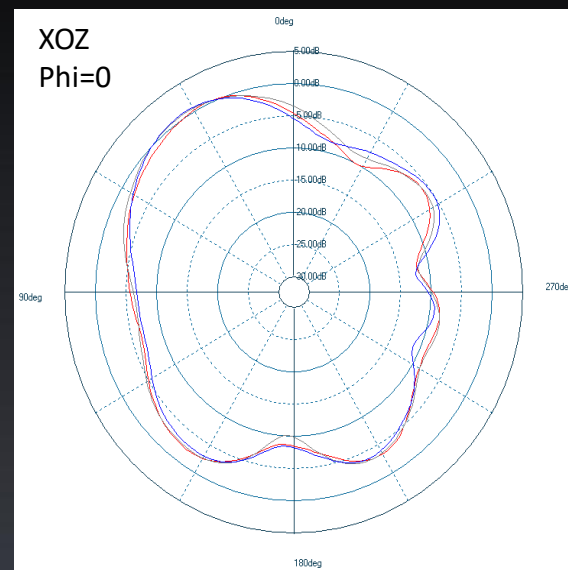
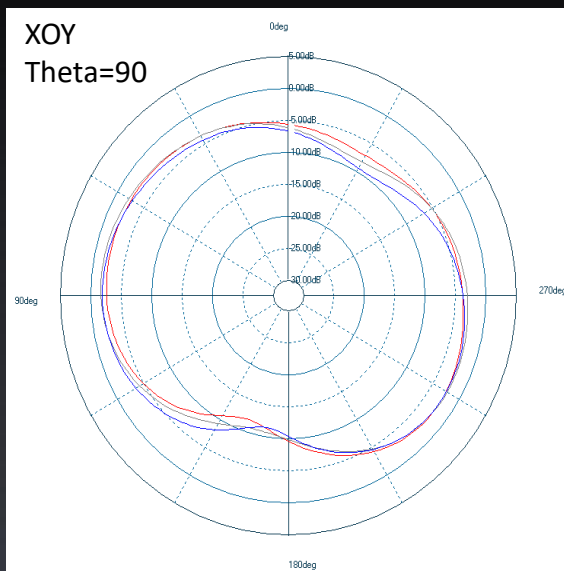


R: 5G Gain & Efficiency

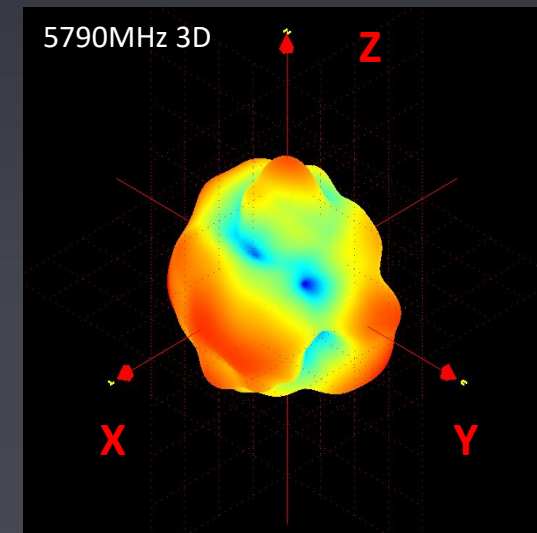
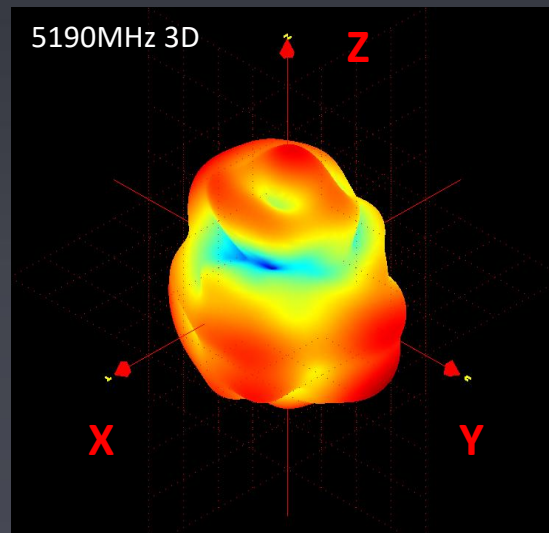
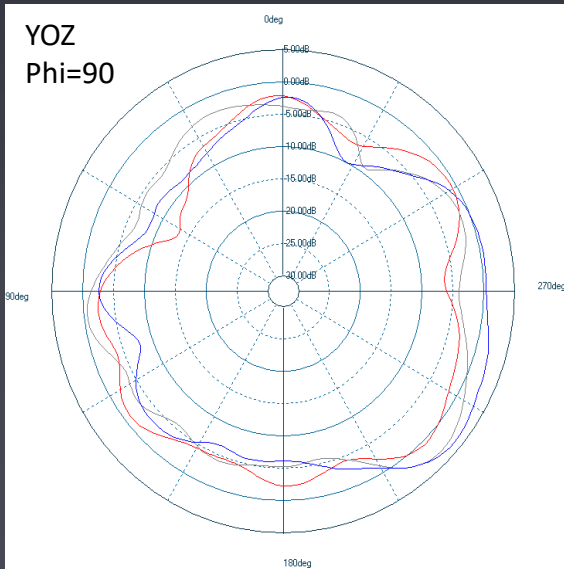
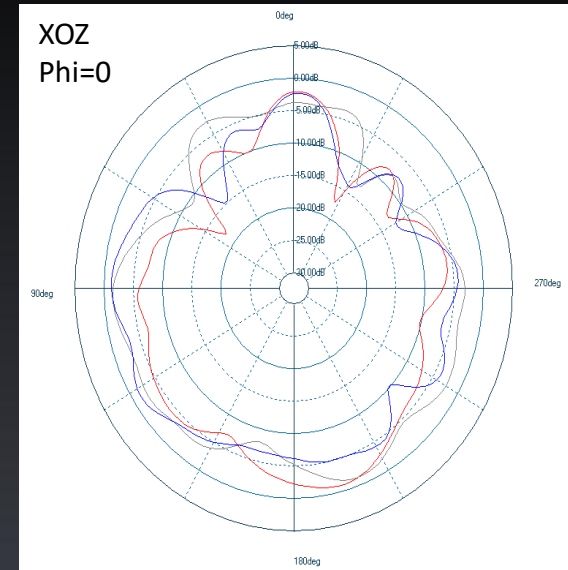
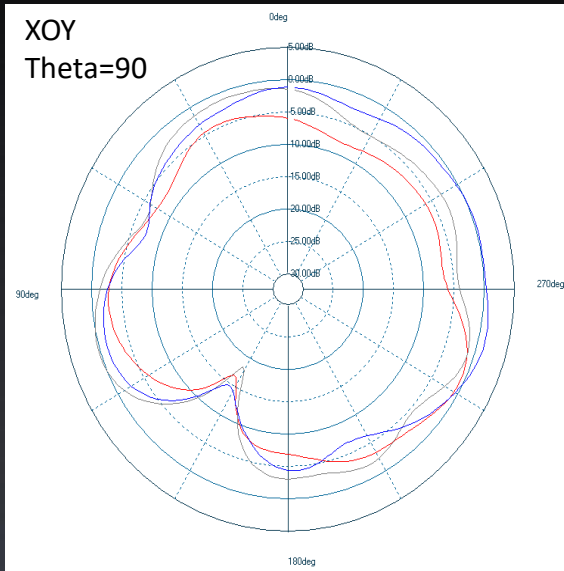
Frequency (MHz)	5150	5170	5190	5210	5230	5250	5300	5400	5500	5600	5700	5730	5750	5770	5790	5810	5830	5850
Efficiency	31%	33%	35%	36%	37%	37%	37%	37%	38%	39%	39%	39%	40%	39%	40%	40%	41%	42%
Efficiency (dB)	-5.02	-4.80	-4.60	-4.38	-4.32	-4.32	-4.36	-4.27	-4.18	-4.05	-4.06	-4.05	-4.01	-4.09	-3.97	-3.97	-3.83	-3.79
Gain (dBi)	0.28	0.73	1.70	2.51	2.71	3.01	3.11	3.24	3.20	3.33	3.61	3.50	3.44	3.50	3.41	3.33	3.27	3.32



R: 2.4G Radiation pattern

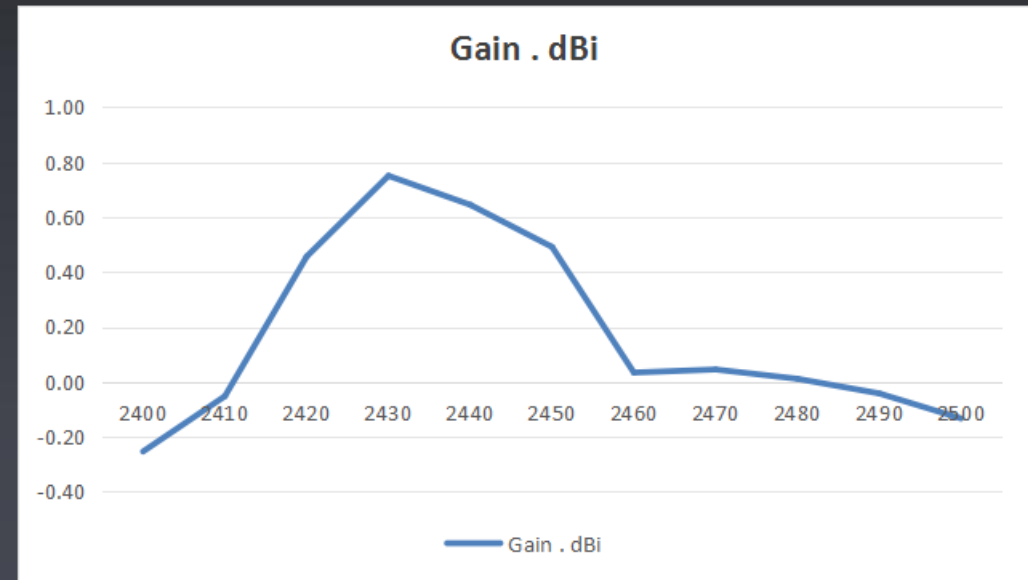
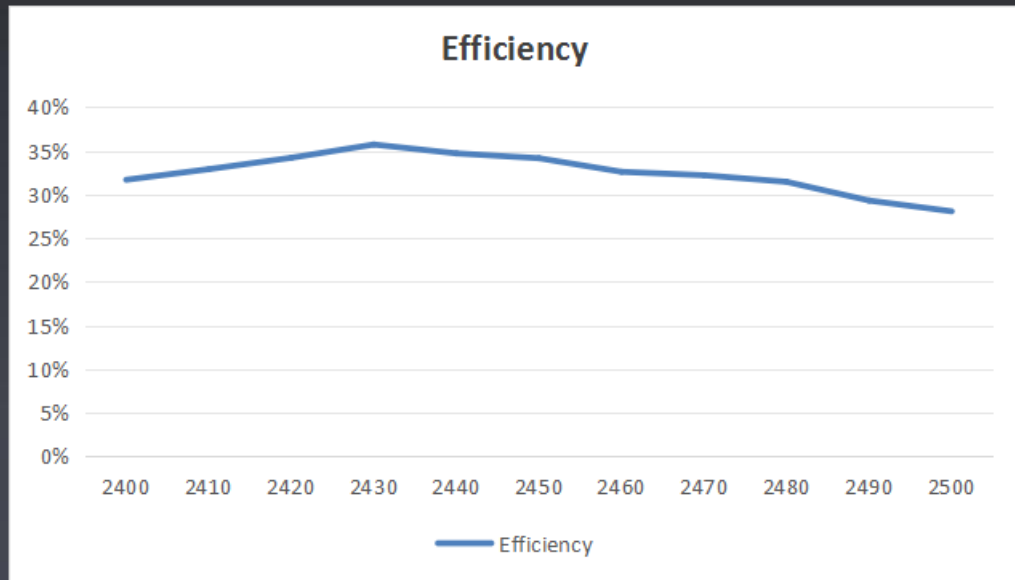


R: 5G Radiation pattern



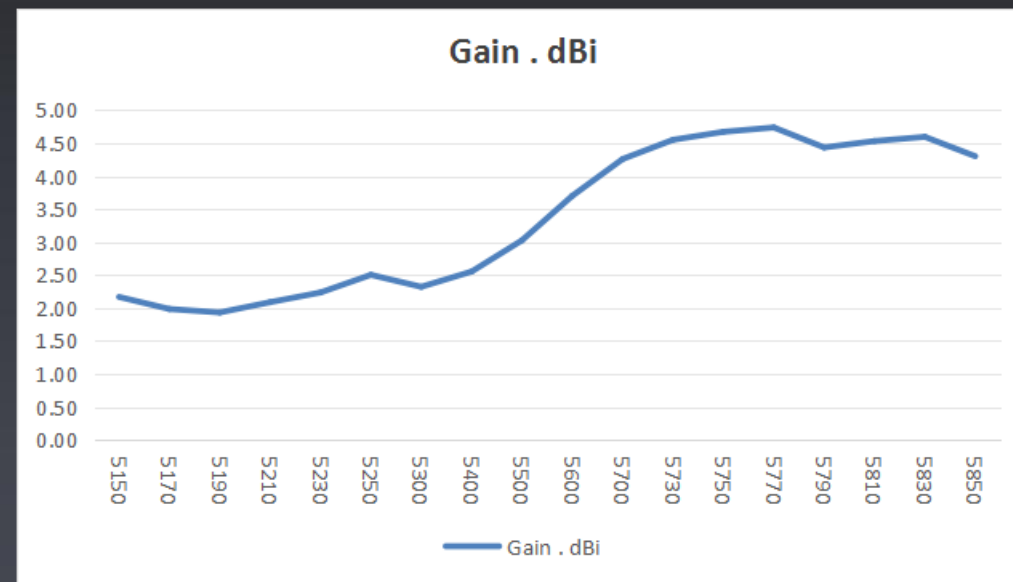
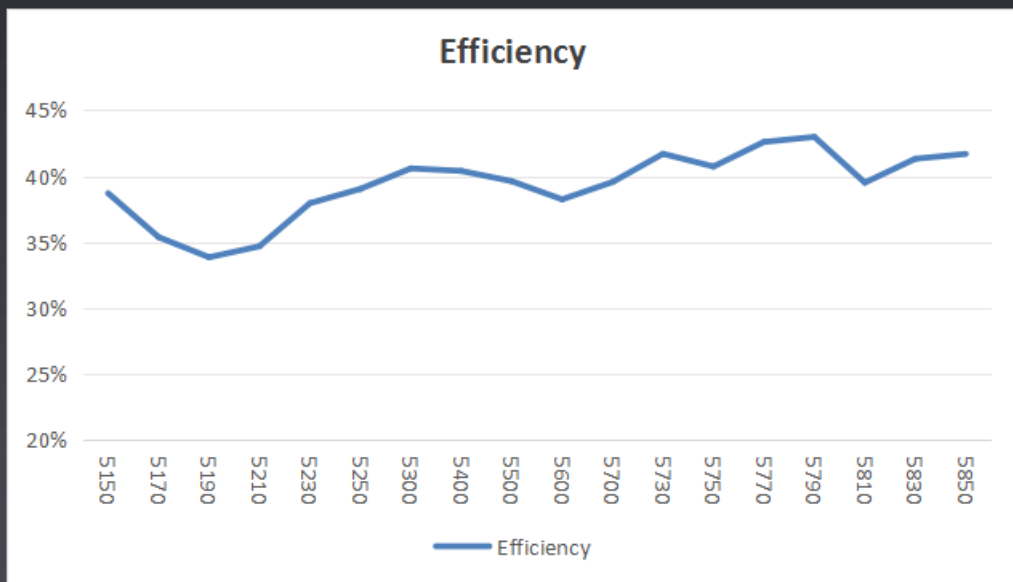
L: 2.4G Gain & Efficiency

Frequency (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Efficiency	32%	33%	34%	36%	35%	34%	33%	32%	31%	29%	28%
Efficiency (dB)	-4.99	-4.83	-4.66	-4.47	-4.60	-4.67	-4.87	-4.92	-5.02	-5.33	-5.52
Gain (dBi)	-0.25	-0.05	0.46	0.75	0.64	0.49	0.03	0.04	0.01	-0.04	-0.13

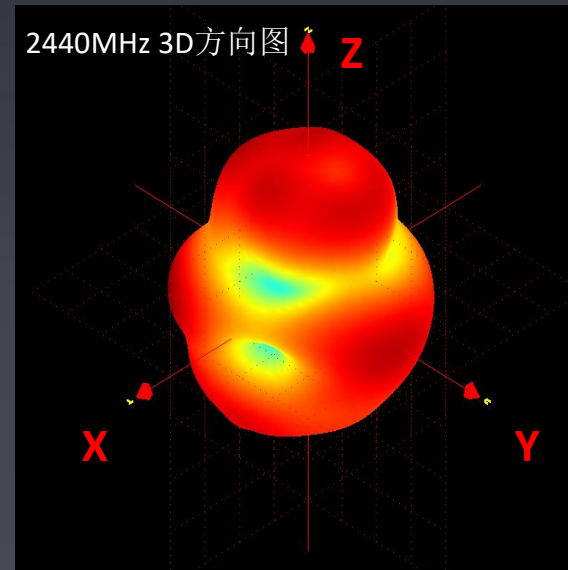
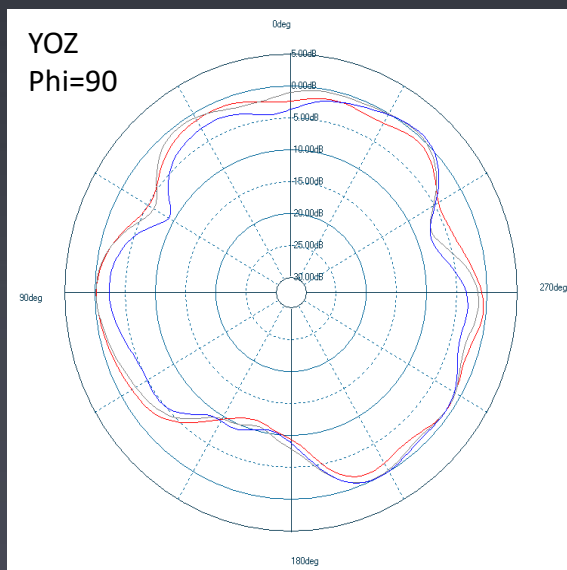
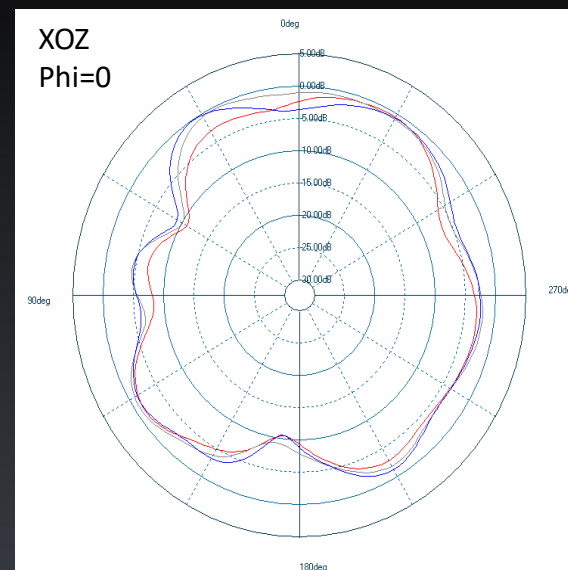
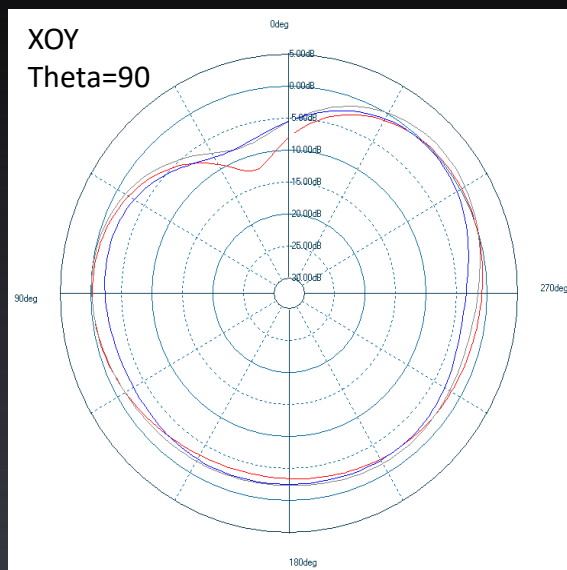


L: 5G Gain & Efficiency

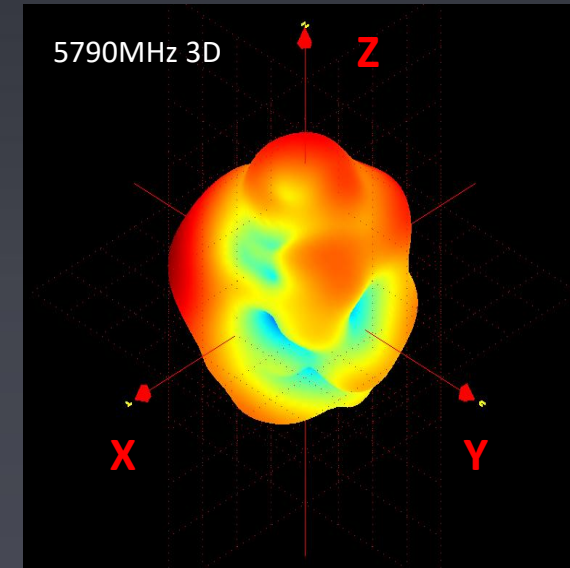
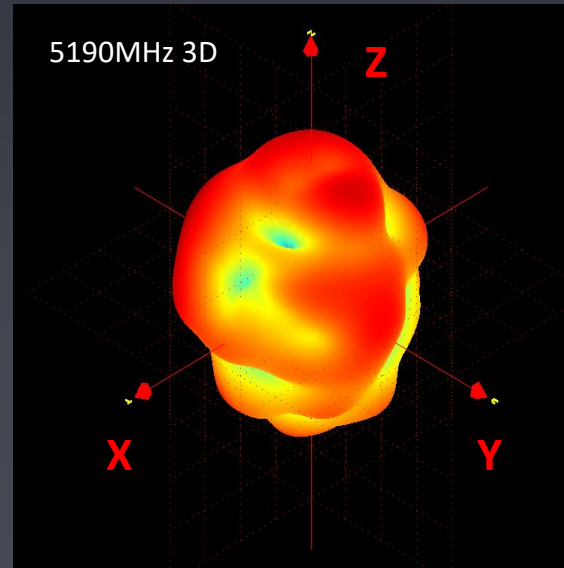
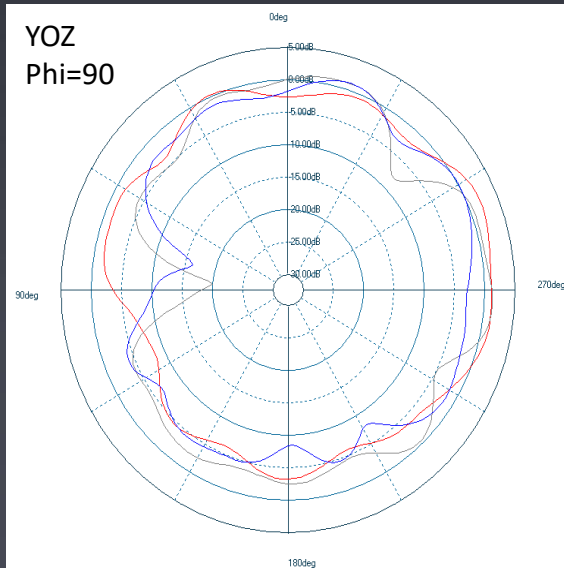
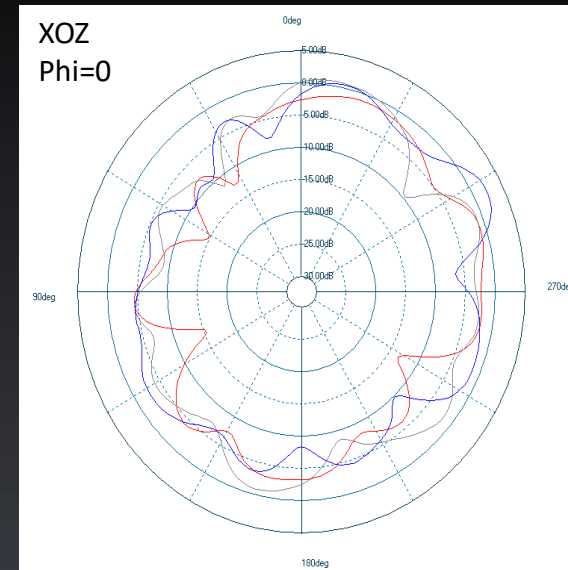
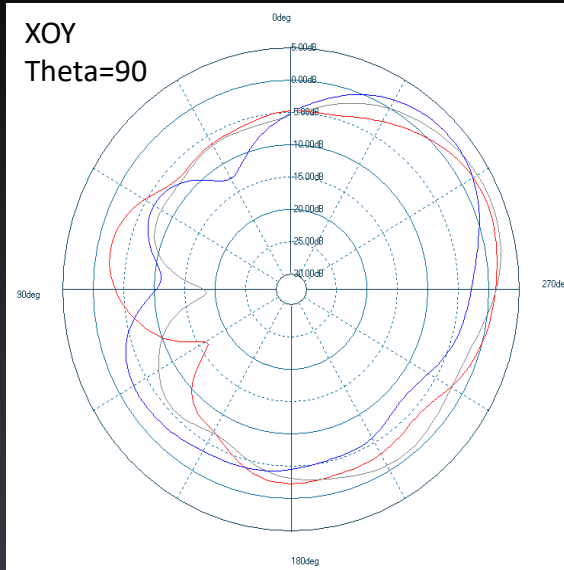
Frequency (MHz)	5150	5170	5190	5210	5230	5250	5300	5400	5500	5600	5700	5730	5750	5770	5790	5810	5830	5850
Efficiency	39%	35%	34%	35%	38%	39%	41%	40%	40%	38%	40%	42%	41%	43%	43%	40%	41%	42%
Efficiency (dB)	-4.12	-4.51	-4.70	-4.60	-4.21	-4.09	-3.92	-3.94	-4.02	-4.18	-4.03	-3.80	-3.90	-3.71	-3.67	-4.03	-3.84	-3.80
Gain (dBi)	2.17	1.99	1.93	2.09	2.24	2.50	2.32	2.55	3.03	3.70	4.26	4.55	4.67	4.74	4.43	4.53	4.60	4.30



L: 2.4G Radiation pattern



L: 5G Radiation pattern



Thank You