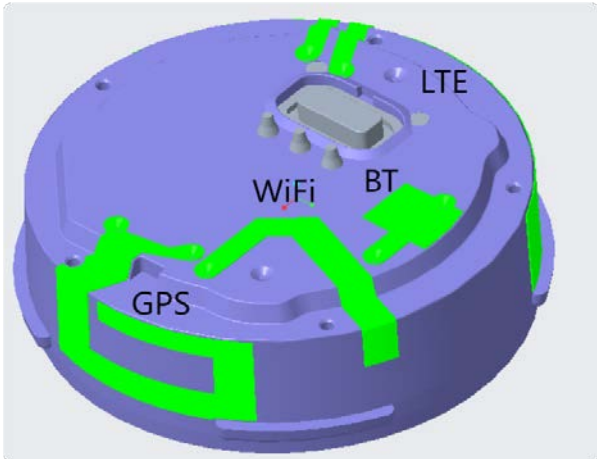
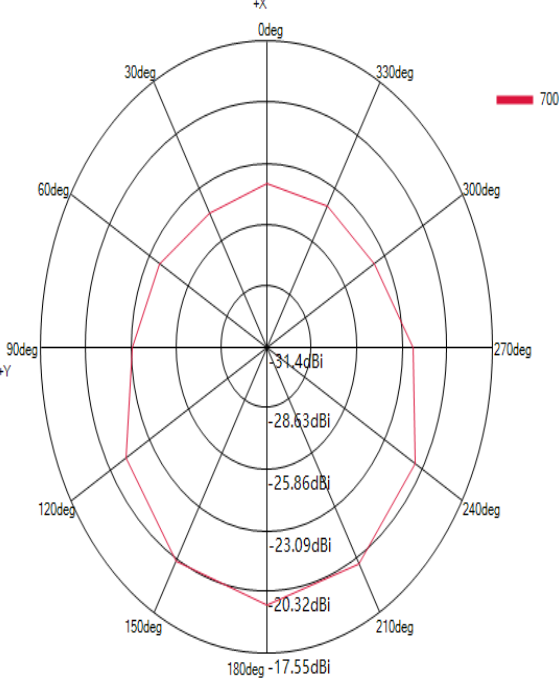


Manufacturer	Shenzhen Hengxiangtong Antenna Technology Co., Ltd.		
Model	Vcurve2		
Frequency	MAIN ANT	FDD1 2 3 4 5 7 8 12 17 18 19 20 25 26 28 (A+B) TDD:38 40 41-100M	
	GPS	L1	
	WIFI	2.4G WIFI	
	BT	BT	
Antenna position			

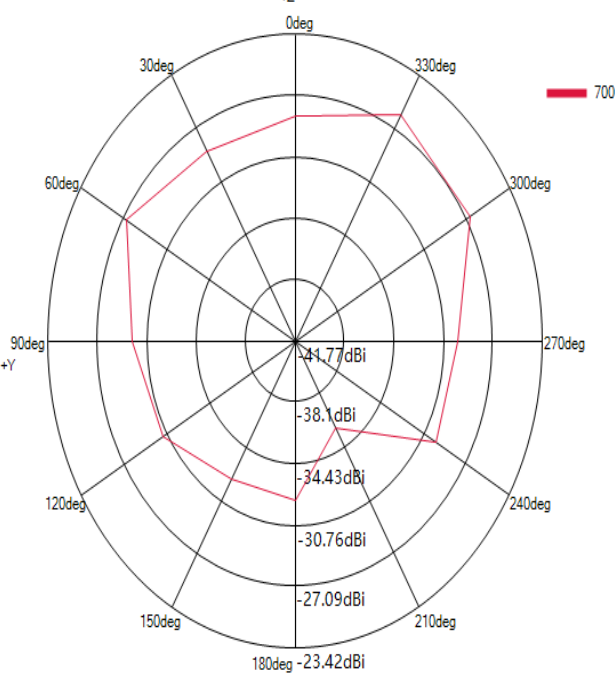
(800~960,1710~2700)MHz								(700~800)MHz			
(MHz)	Ave Gain	Peak Gain	Efficiency	(MHz)	Ave Gain	Peak Gain	Efficiency	(MHz)	Ave Gain	Peak Gain	Efficiency
	(dB)	(dBi)	(%)		(dB)	(dBi)	(%)		(dB)	(dBi)	(%)
800	-26	-22	0.25	2300	-10.4	-7.47	9.07	700	-21.15	-17.3	0.77
810	-25	-21	0.33	2320	-9.84	-6.44	10.37	710	-20.23	-16.4	0.95
820	-24	-20	0.36	2340	-9.22	-5.89	11.96	720	-19.3	-15.4	1.17
830	-24	-20	0.42	2360	-8.59	-5.32	13.83	730	-18.75	-14.7	1.33
840	-23	-19	0.54	2380	-8.16	-5.17	15.28	740	-18.21	-14.2	1.51
850	-22	-18	0.63	2400	-7.42	-4	18.11	750	-17.49	-13.5	1.78
860	-22	-18	0.7	2420	-6.94	-3.35	20.25	760	-16.77	-13	2.1
870	-20	-17	0.96	2440	-6.14	-2.56	24.3	770	-16.44	-12.9	2.27
880	-19	-16	1.18	2460	-5.61	-2.18	27.47	780	-16.22	-12.8	2.39
890	-18	-15	1.52	2480	-5.15	-1.51	30.56	790	-16.13	-12.6	2.44
900	-17	-14	2.09	2500	-4.58	-0.81	34.86	800	-15.88	-12.6	2.58
910	-15	-12	2.82	2520	-4.21	-0.43	37.96				
920	-14	-11	3.7	2540	-4.03	-0.59	39.56				
930	-13	-9.7	5.16	2560	-3.77	-0.23	41.98				
940	-12	-8.6	6.59	2580	-3.3	0.34	46.75				
950	-11	-8.3	7.46	2600	-3.15	0.76	48.43				
960	-12	-8.7	6.86	2620	-2.99	0.9	50.23				
1700	-9.3	-6	11.87	2640	-3.17	0.66	48.24				
1720	-9.5	-5.9	11.28	2660	-3.52	-0.01	44.47				
1740	-9.6	-6.2	10.97	2680	-3.82	-0.38	41.54				
1760	-9.4	-6.2	11.37	2700	-3.99	-0.51	39.93				
1780	-9.3	-6.4	11.78								
1800	-8.9	-6	12.9								
1820	-8.6	-5.5	13.84								
1840	-8.5	-5.3	14.11								
1860	-8.2	-5.1	15.16								
1880	-8.1	-4.8	15.45								
1900	-7.6	-4	17.54								
1920	-6.9	-3.6	20.3								
1940	-6.3	-3.3	23.4								
1960	-6	-3	25.34								
1980	-5.5	-2.3	28.24								
2000	-5.5	-2.4	28.13								
2020	-6.4	-3.7	22.9								
2040	-7.8	-4.2	16.75								
2060	-8.8	-4.9	13.06								
2080	-9.2	-6.1	11.92								
2100	-9.5	-6.7	11.33								
2120	-9.8	-7.4	10.43								
2140	-10	-7.8	9.93								
2160	-10	-8.1	9.45								
2180	-11	-8.7	8.65								

700MHZ

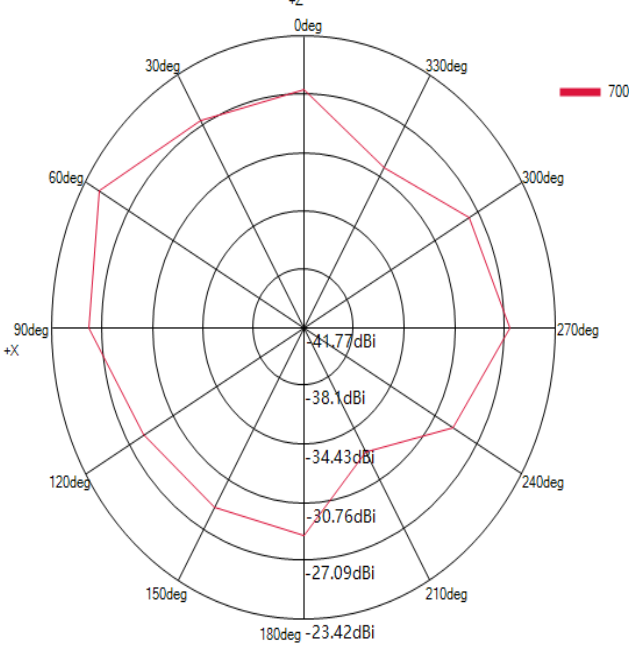
XY-Plane Theta



ZY-Plane Phi

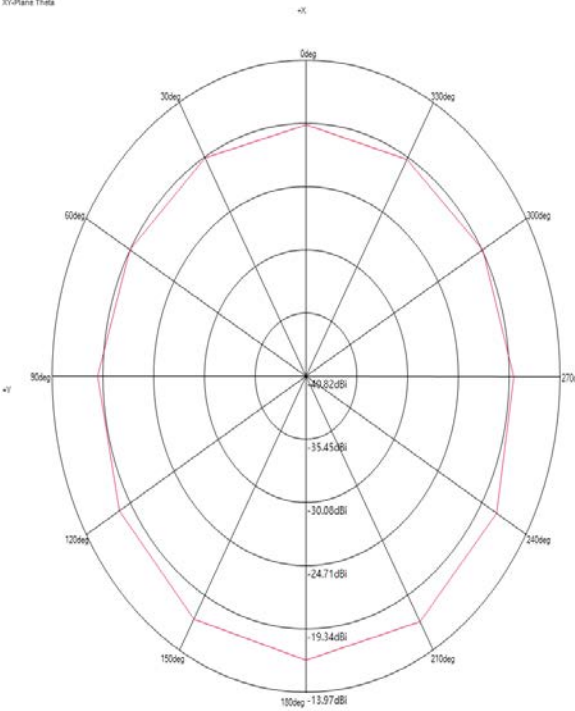


ZX-Plane Phi

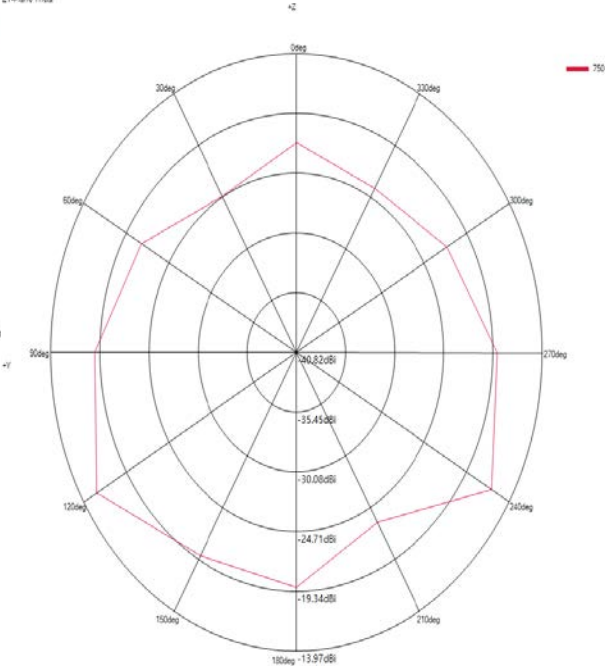


750MHZ

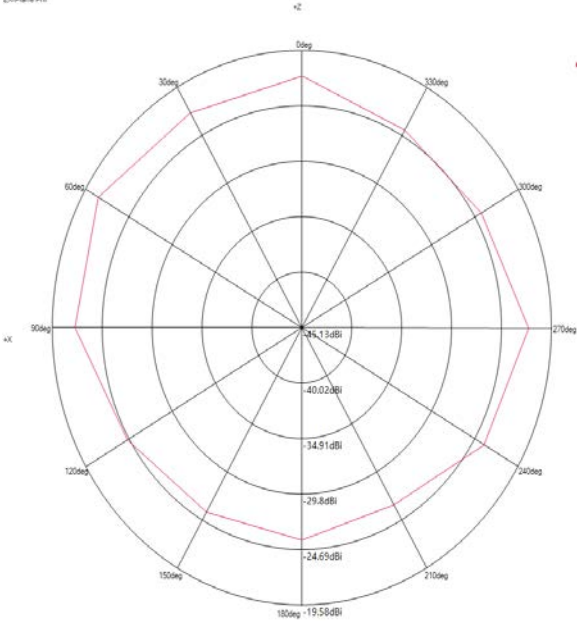
XY-Plane Theta



ZY-Plane Theta

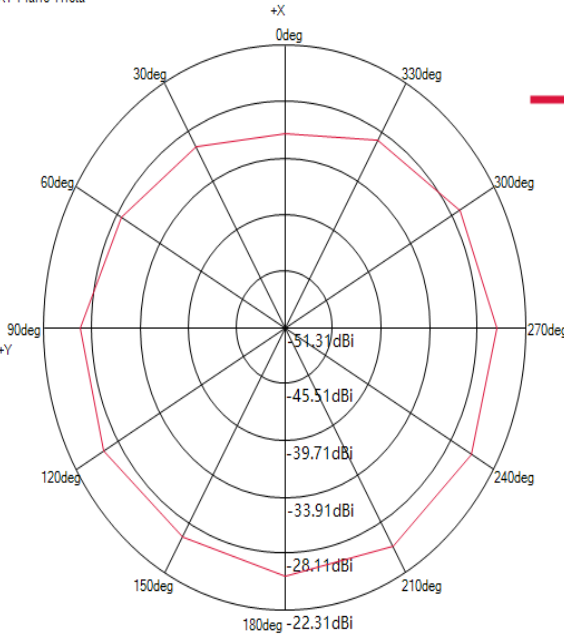


ZX-Plane Phi

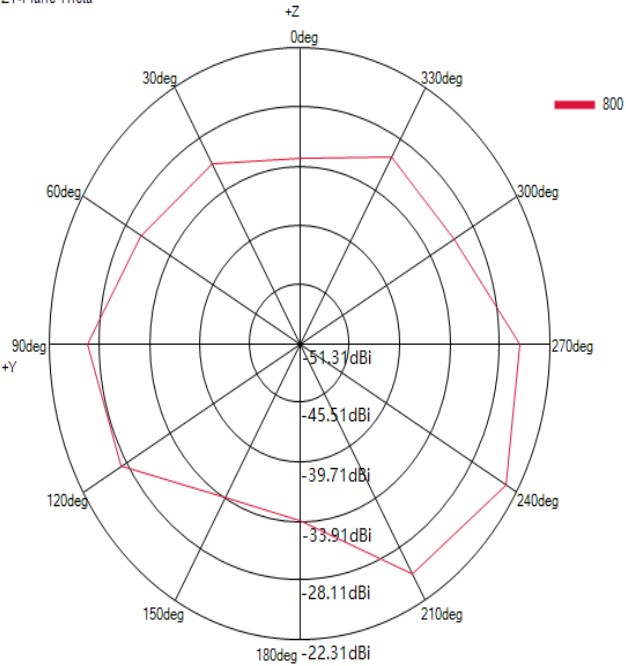


800MHZ

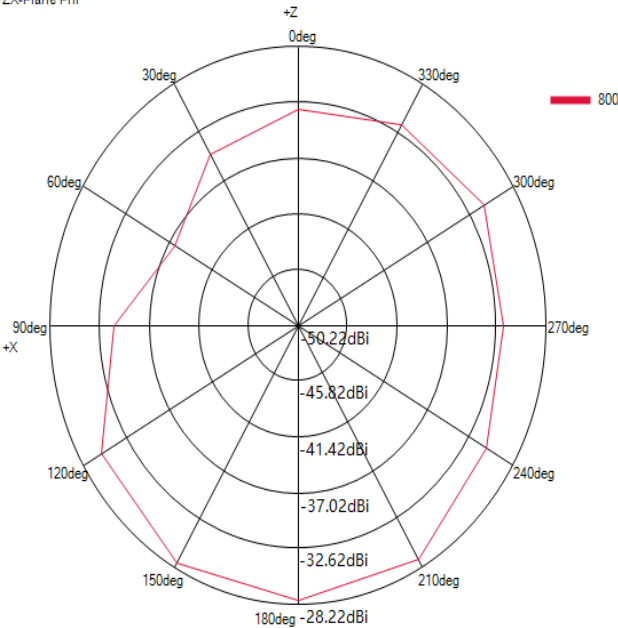
XY-Plane Theta



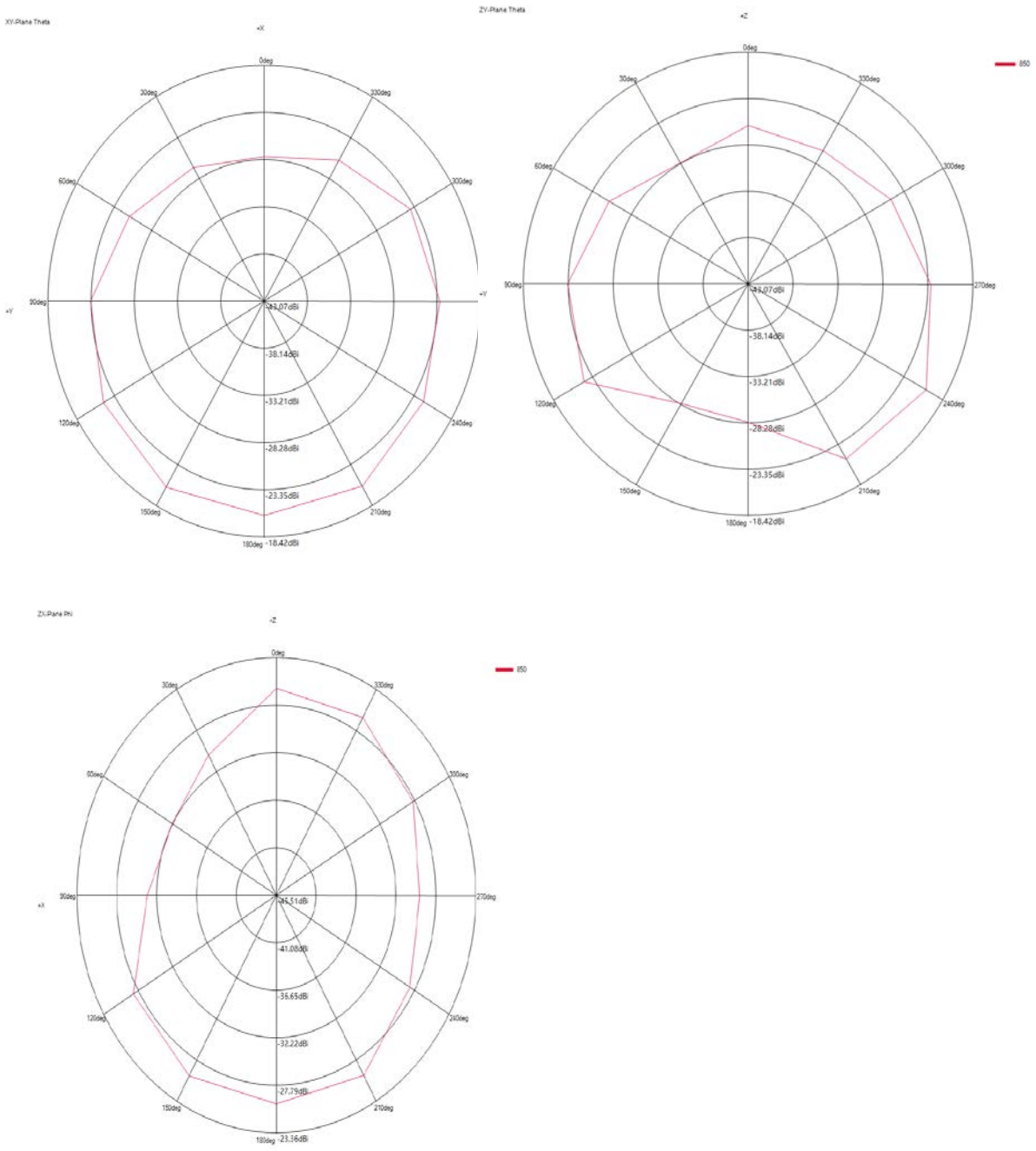
ZY-Plane Theta



ZX-Plane Phi

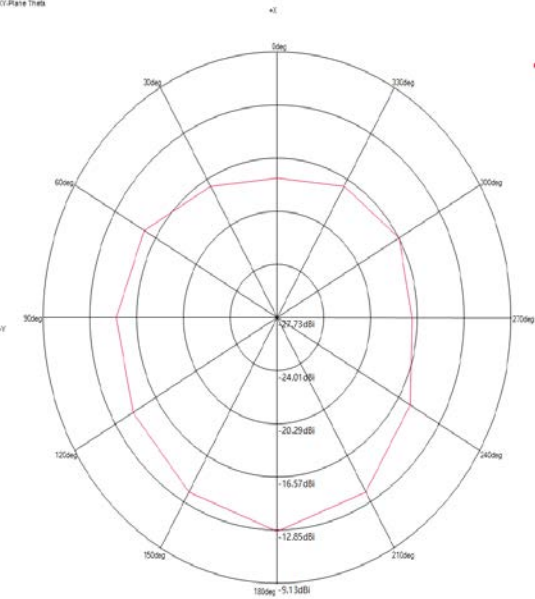


850MHZ

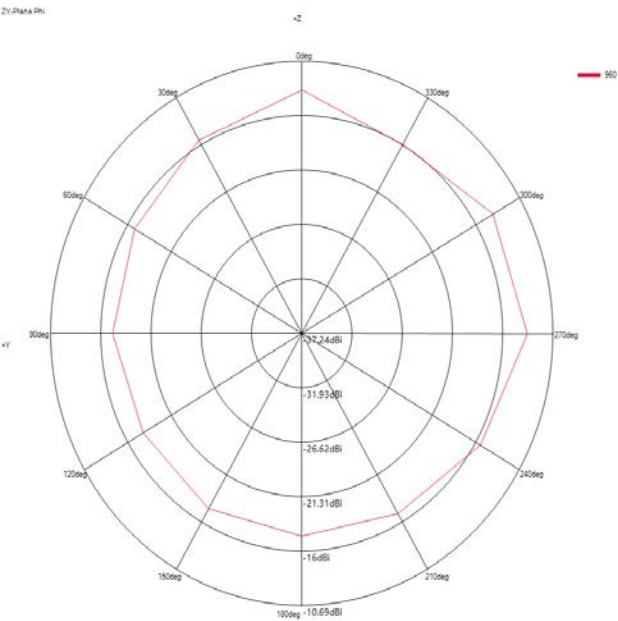


960MHZ

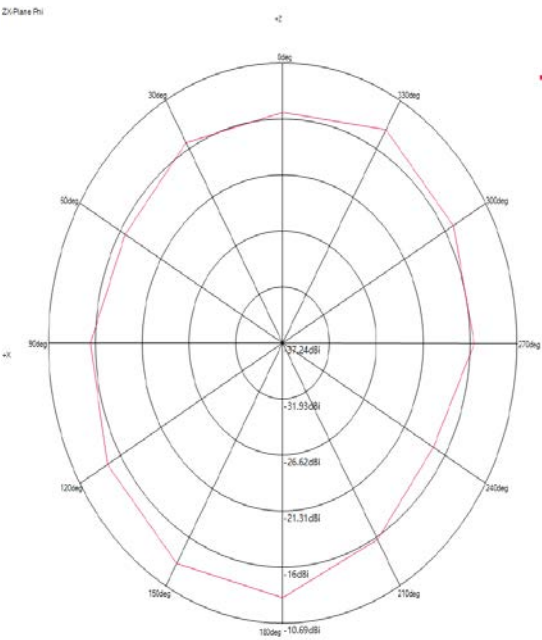
XZ Plane Theta



ZY Plane Phi

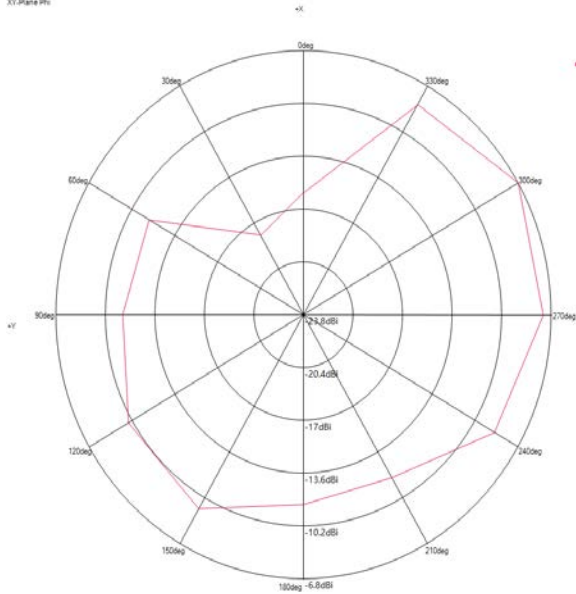


ZX Plane Phi

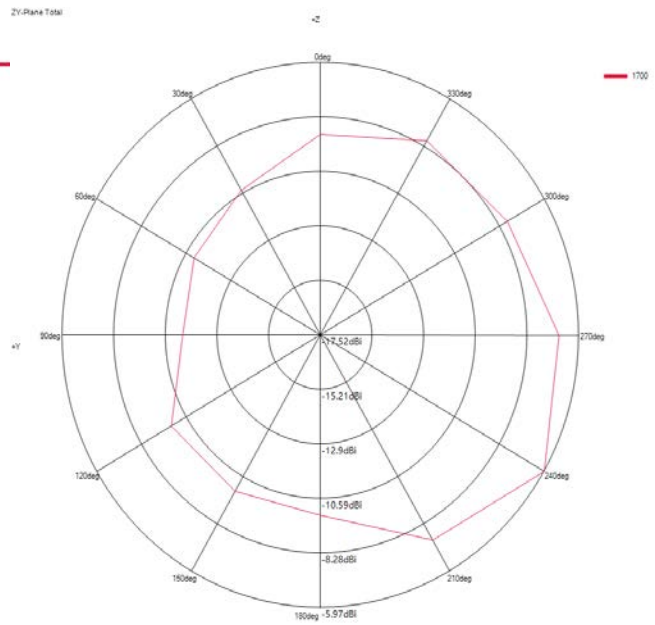


1700MHZ

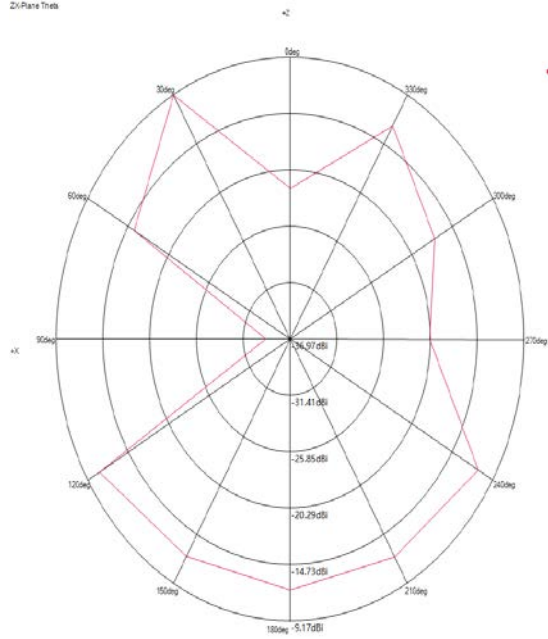
XY Plane Phi



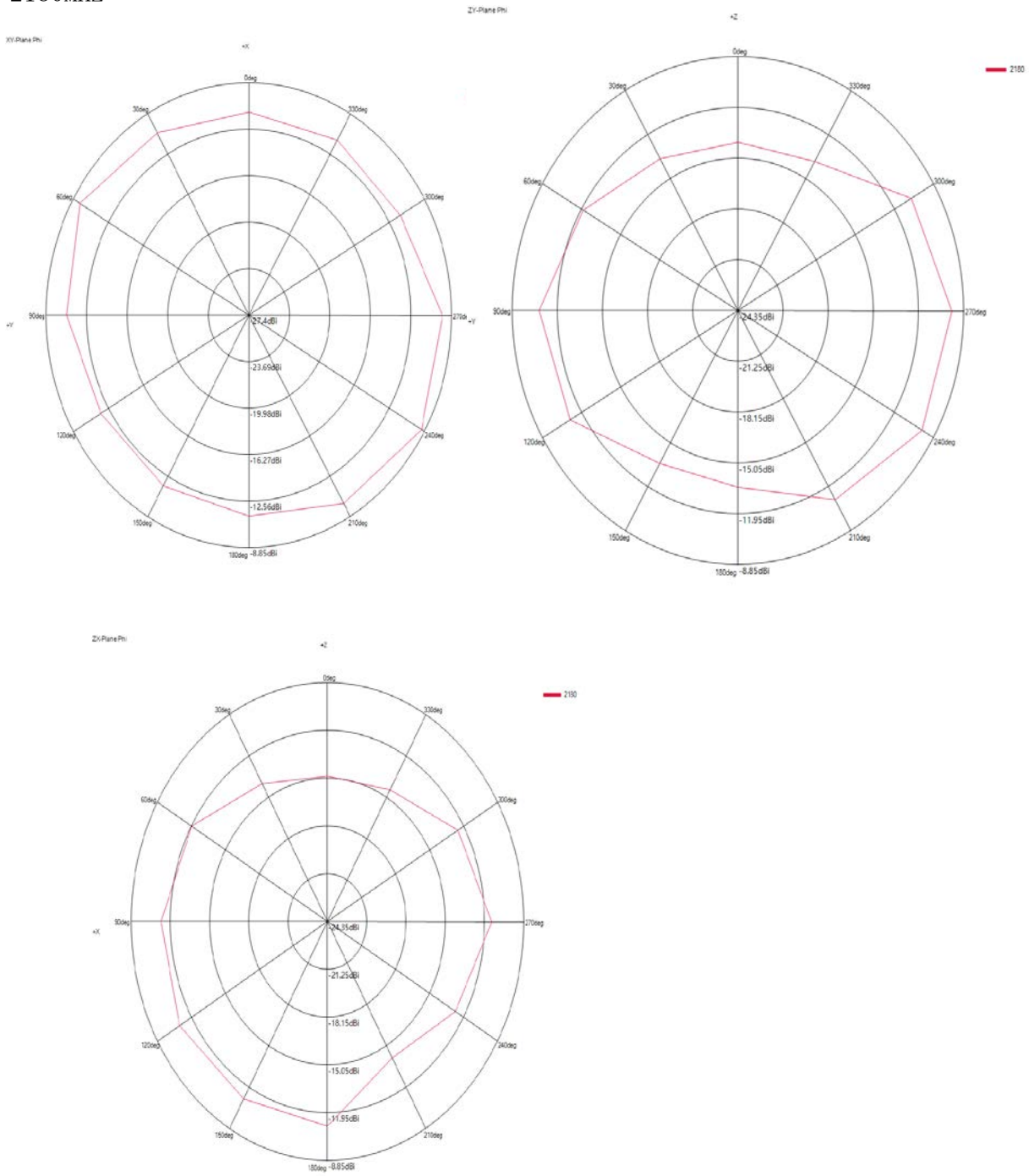
ZY Plane Total



ZX Plane Total

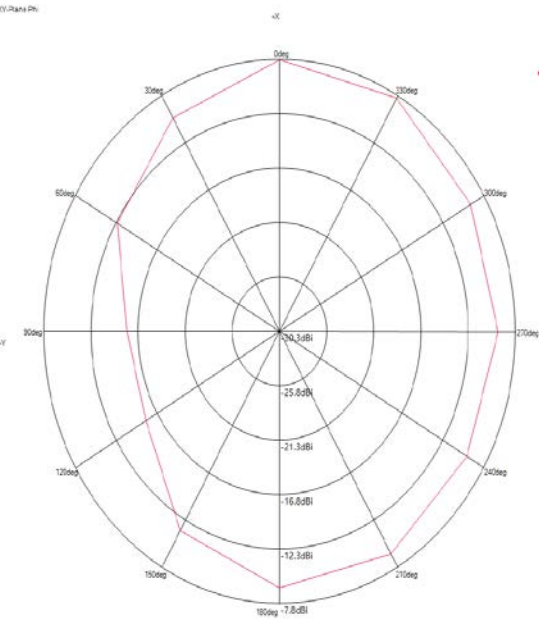


2180MHZ

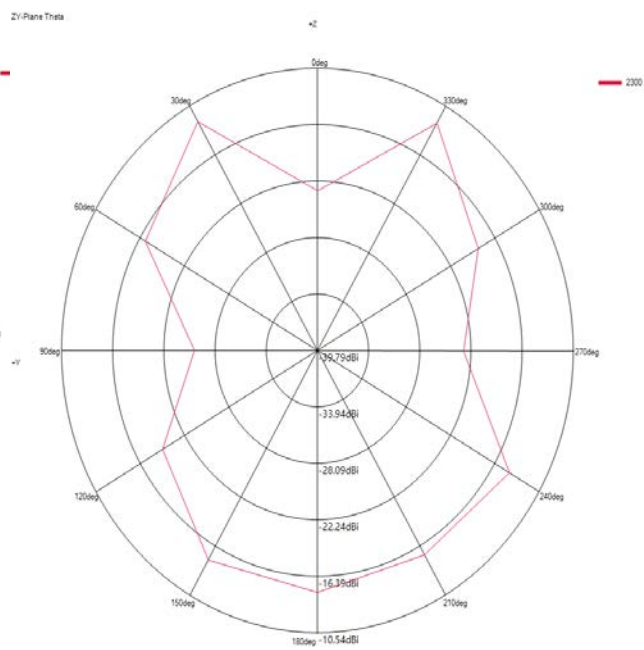


2300MHZ

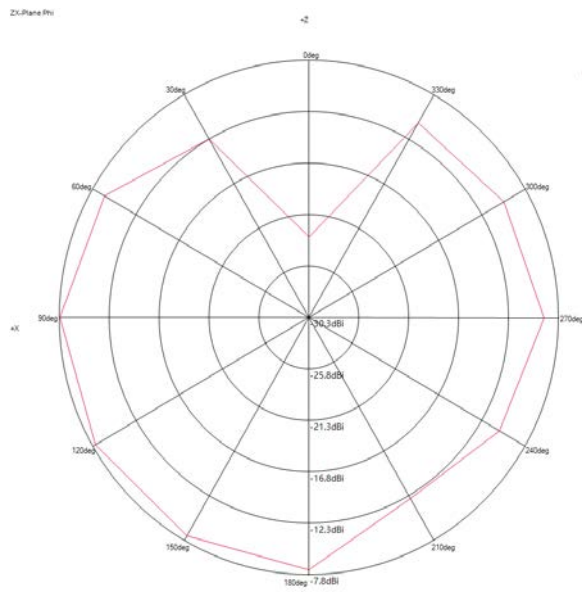
XY-Plane (Phi)



ZY-Plane Theta

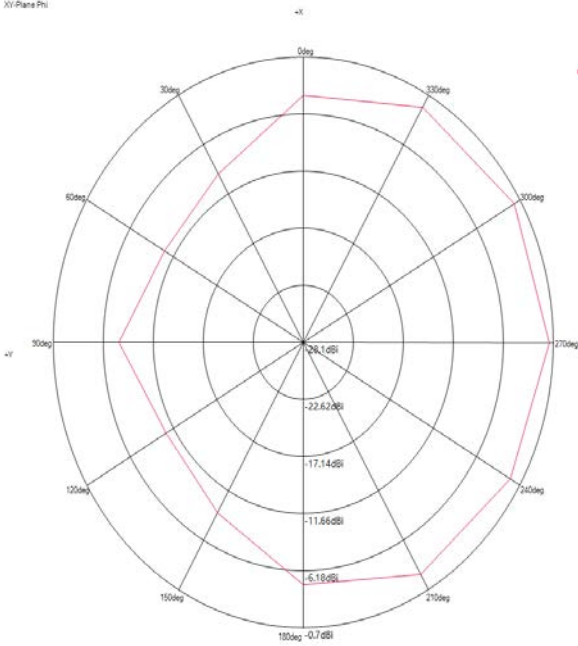


ZX-Plane (Phi)

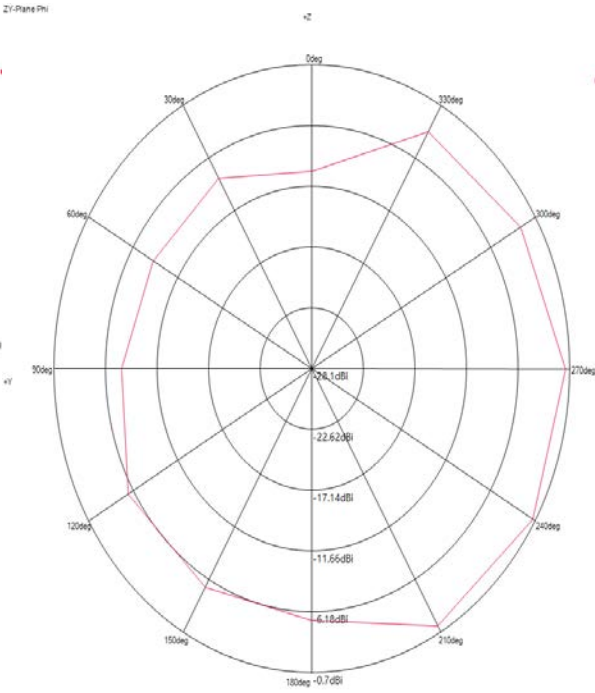


2700MHZ

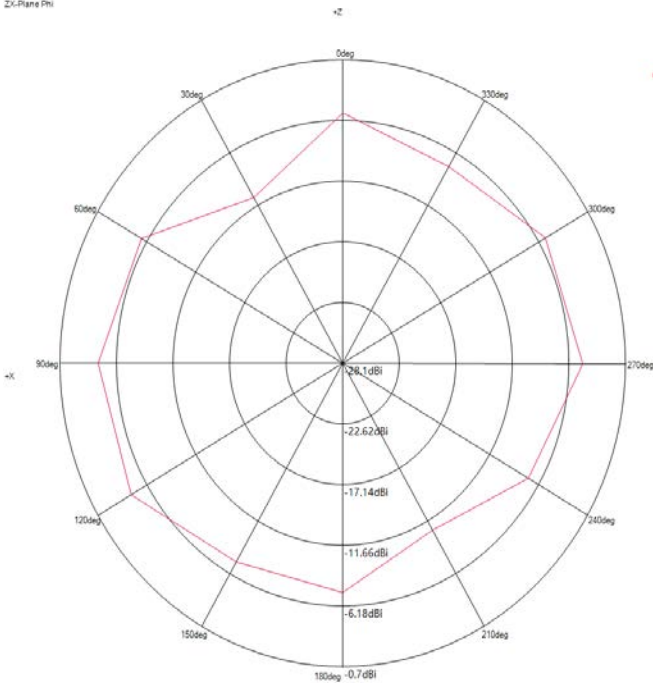
XY-Plane Phi



ZY-Plane Phi

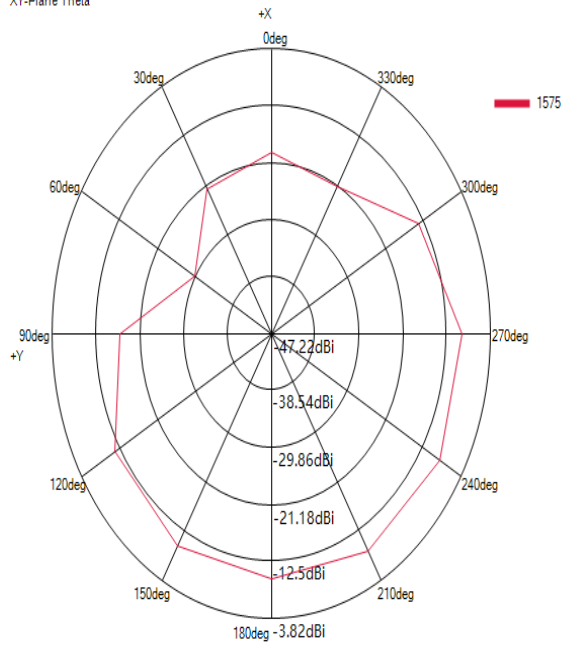


ZX-Plane Phi

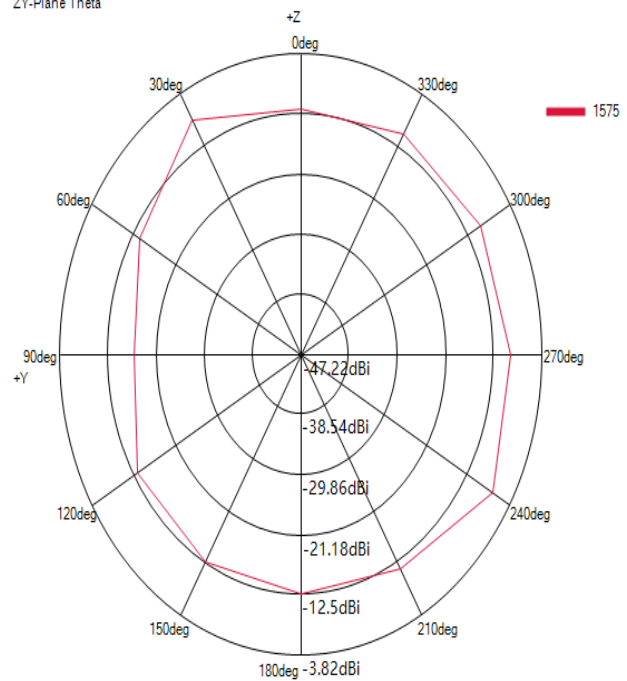


GPS			
(MHz)	Ave Gain	Peak Gain	Effi
	(dB)	(dBi)	(%)
1560	-7.02	-3.37	19.86
1565	-6.85	-3.32	20.68
1570	-6.80	-3.36	20.88
1575	-6.90	-3.33	20.40
1580	-7.09	-3.56	19.55
1585	-7.35	-3.91	18.40
1590	-7.69	-4.18	17.02

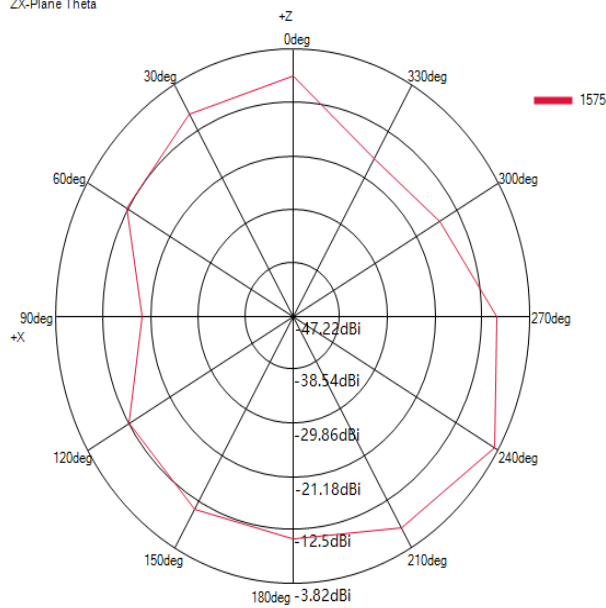
XY-Plane Theta



ZY-Plane Theta



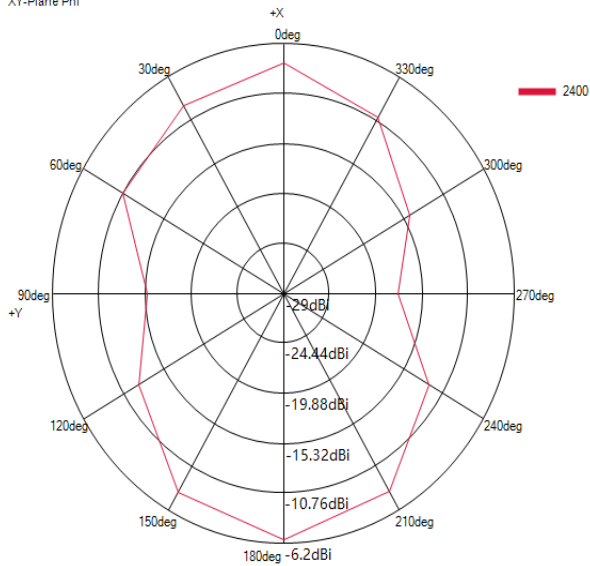
ZX-Plane Theta



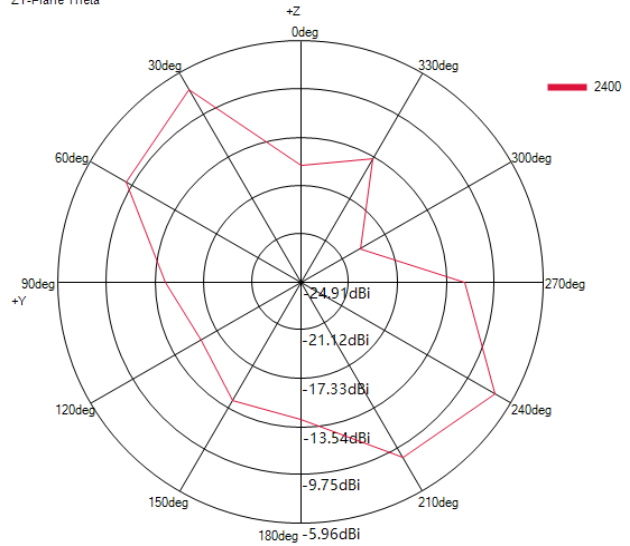
BT			
(MHz)	Ave Gain	Peak Gain	Effi
	(dB)	(dBi)	(%)
2400	-8.16	-5.67	15.29
2410	-8.01	-5.49	15.80
2420	-7.69	-5.23	17.02
2430	-7.50	-5.00	17.78
2440	-7.15	-4.77	19.28
2450	-6.96	-4.61	20.13
2460	-6.79	-4.49	20.92
2470	-6.65	-4.55	21.62
2480	-6.46	-4.44	22.57
2490	-6.37	-4.45	23.09
2500	-6.27	-4.32	23.60

2400MHZ

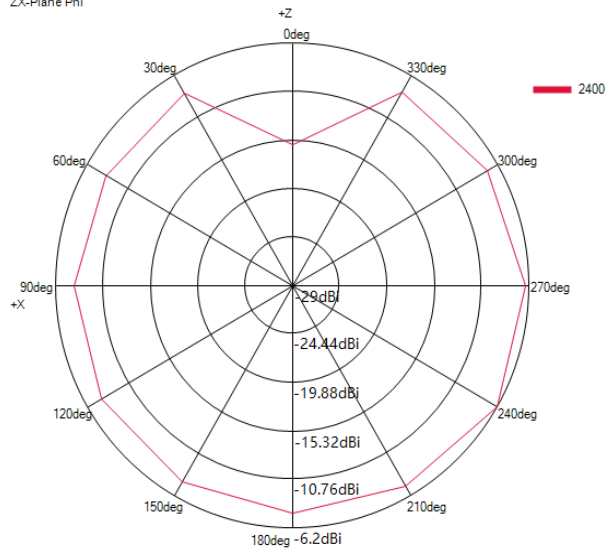
XY-Plane Phi



ZY-Plane Theta

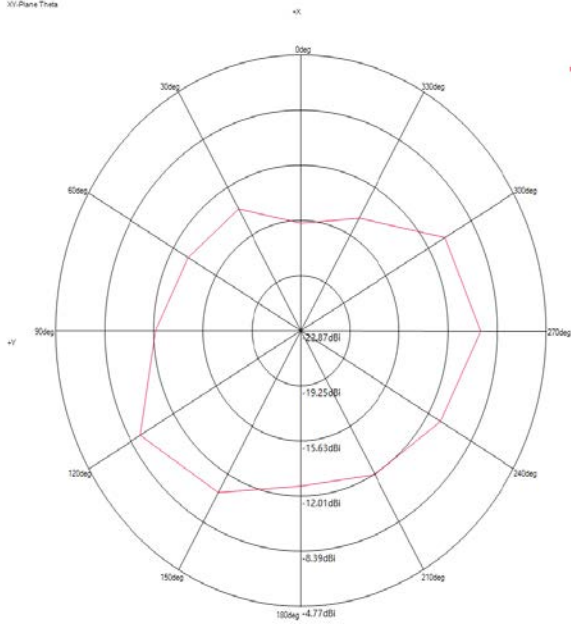


ZX-Plane Phi

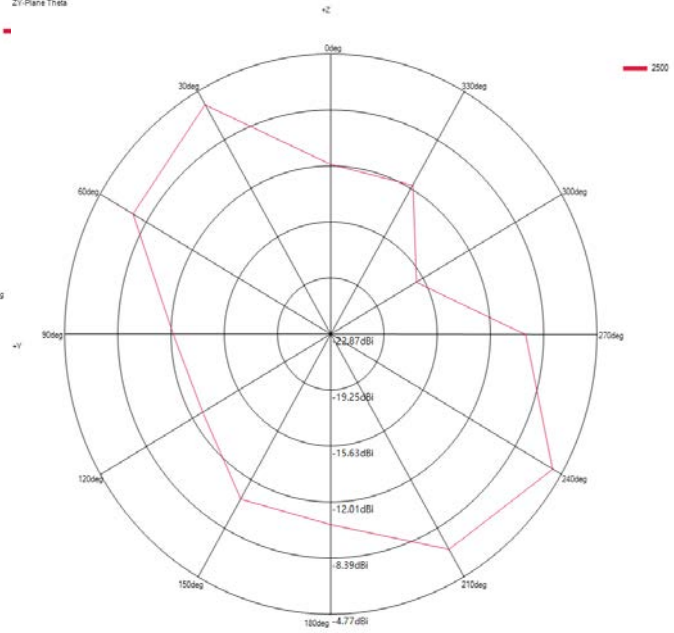


2500MHZ

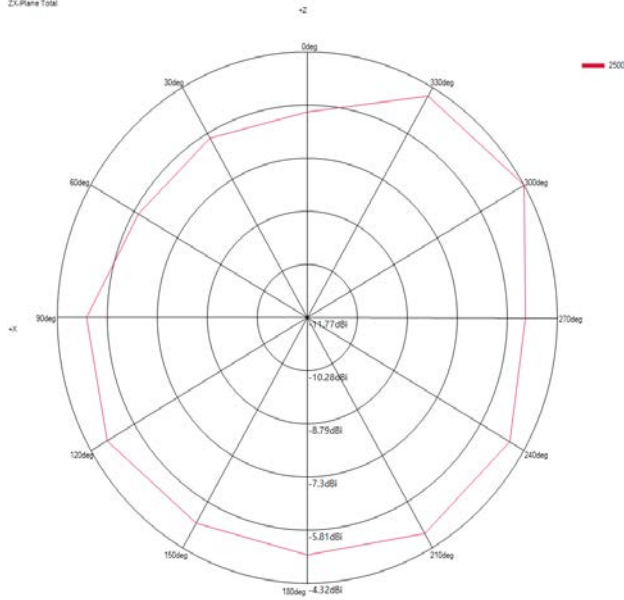
XY-Plane Theta



ZY-Plane Theta



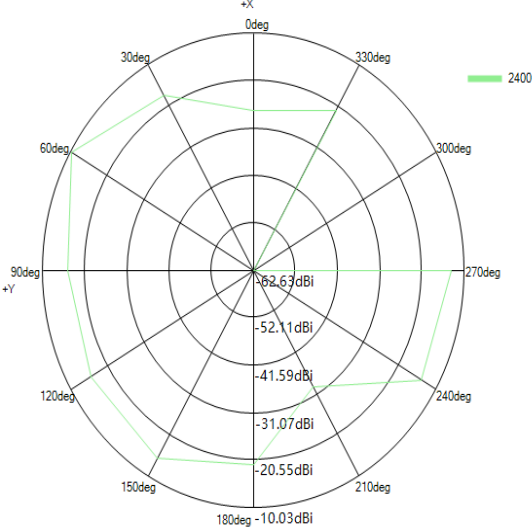
ZX-Plane Total



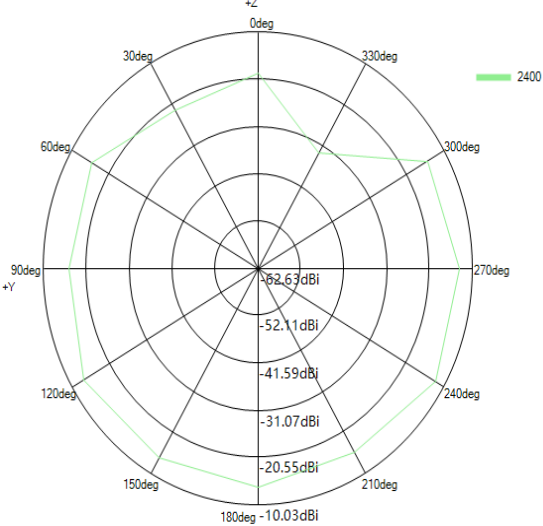
2.4G WiFi			
(MHz)	Ave Gain	Peak Gain	Effi
	(dB)	(dBi)	(%)
2400	-12.20	-8.06	6.02
2410	-12.39	-7.97	5.77
2420	-12.28	-7.79	5.92
2430	-12.18	-7.57	6.05
2440	-12.13	-7.31	6.13
2450	-12.00	-7.31	6.31
2460	-12.10	-7.20	6.17
2470	-12.07	-7.30	6.21
2480	-12.05	-7.06	6.23
2490	-12.03	-7.15	6.26
2500	-11.98	-7.17	6.34

2400MHZ

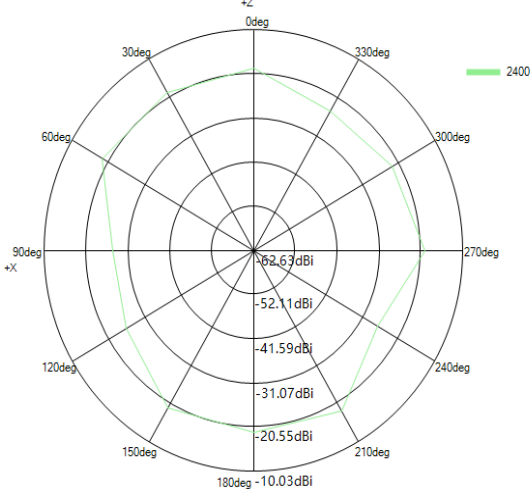
XY-Plane Theta



ZY-Plane Theta

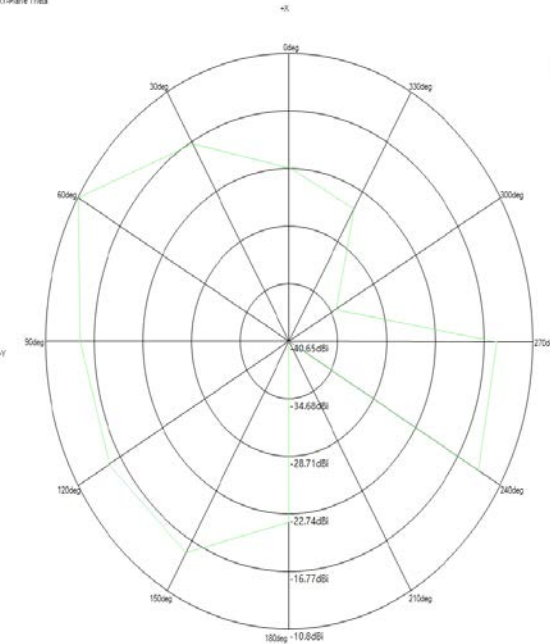


ZX-Plane Theta

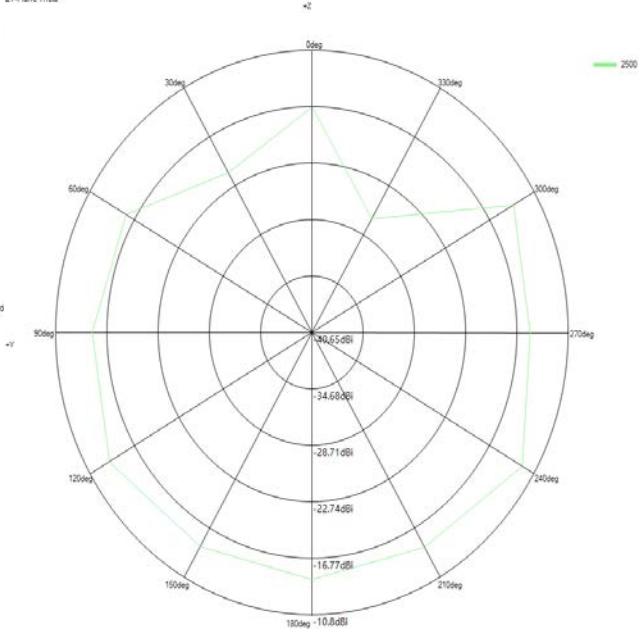


2500MHZ

XI-Plane Theta



ZI-Plane Theta



ZI-Plane Theta

