

2.4/5.8/6/7G Antenna

MODEL: TH-90-RP-SMA(M) 2.4/5.8/6/7G



1. GENERAL DESCRIPTION

P/N
Model : TH-90-RP-SMA(M) 2.4/5.8/6/7G

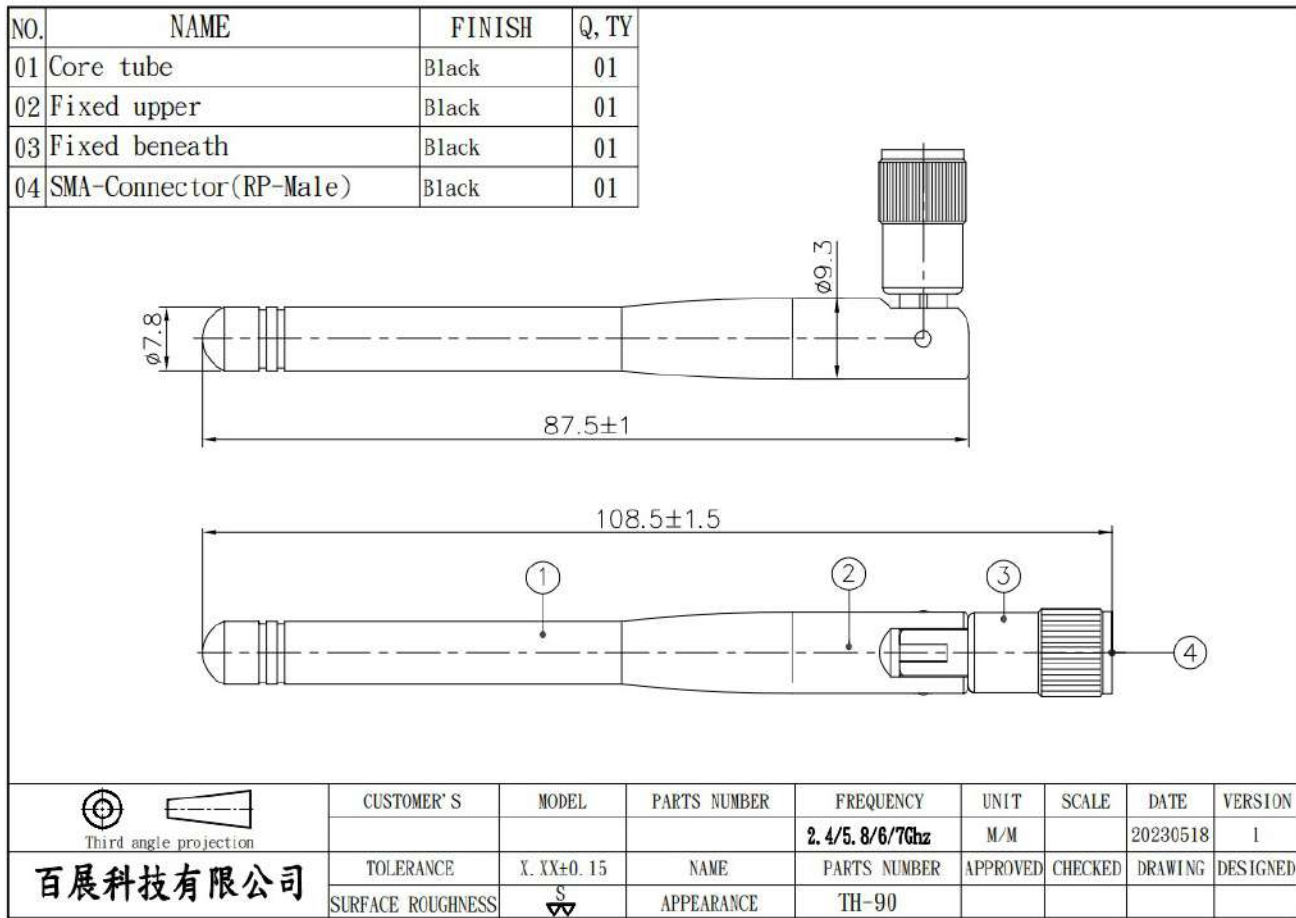
1.1 Electrical Properties

Parameter	Description
Frequency Band	2.4~2.5/5.1~5.8/5.95~7.125GHz
Nominal Impedance	50 ohm
Polarization	Vertical
V.S.W.R	3.5:1
Gain	2.4~2.5G hz : 2.5dbi 5.1~5.8GHz : 3dbi 5.95~7.125GHz : 3dbi

1.2 Mechanical Properties

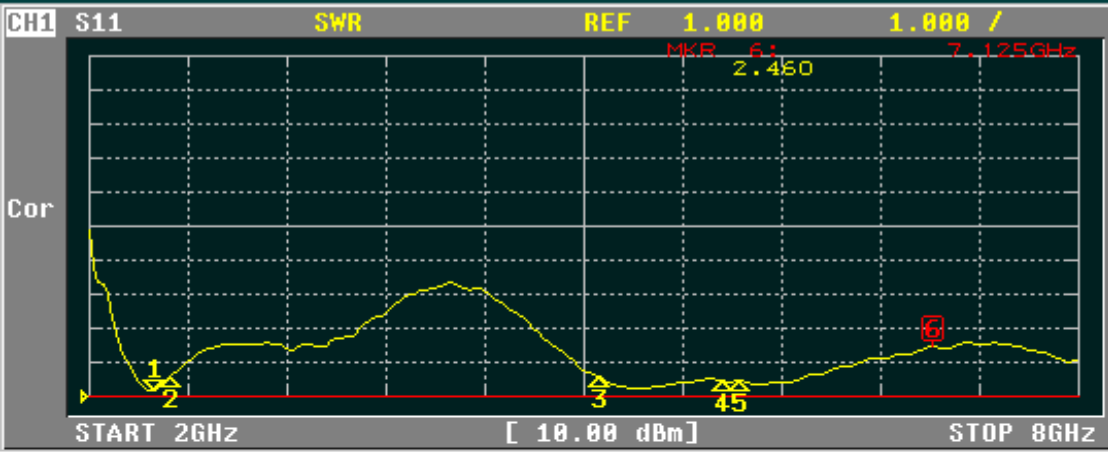
Parameter	Description
Antenna Type	External Antenna
Antenna Cover	TPE
Touch Type	Screw Type
Connector Type	RP-SMA 180°(Male) for RG178 Cable
Antenna Dimensions	108.5mm±1.5
Antenna Color	Black
Operating Temperature Range	-30°C~+80°C
Storage Temperature Range	-30°C~+80°C

2. APPEARANCE:



3. Return Loss, V.S.W.R. and Smith Chart



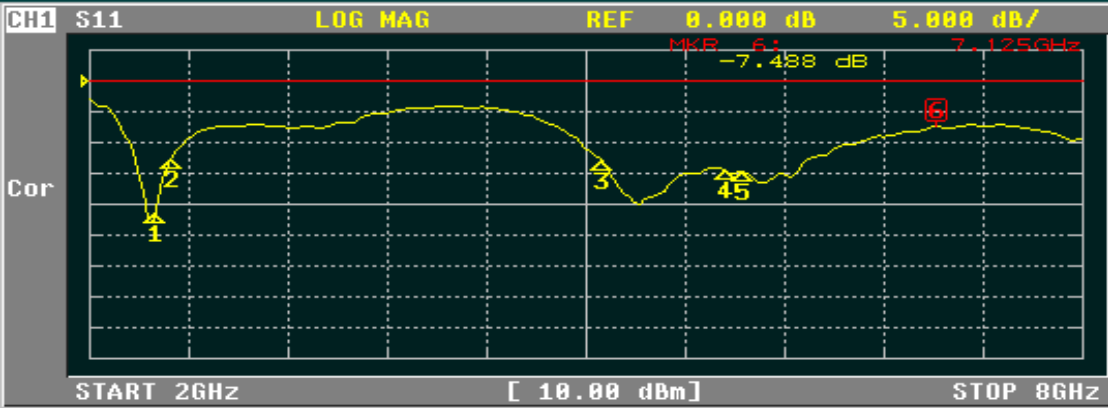


CH1 MARKER LIST

1:	2.400 000GHZ	1.198
2:	2.500 000GHZ	1.610
3:	5.100 000GHZ	1.579
4:	5.850 000GHZ	1.454
5:	5.950 000GHZ	1.451
6:	7.125 000GHZ	2.458
7:		
8:		
9:		
10:		

FORMAT

- 1] SWR
- 2] REAL
- 3] IMAG
- 4] PHASE -∞, +∞
- 5] LOG MAG & PHASE
- 6] LOG MAG & DELAY
- 7] LIN MAG & PHASE
- 8] More 2/2

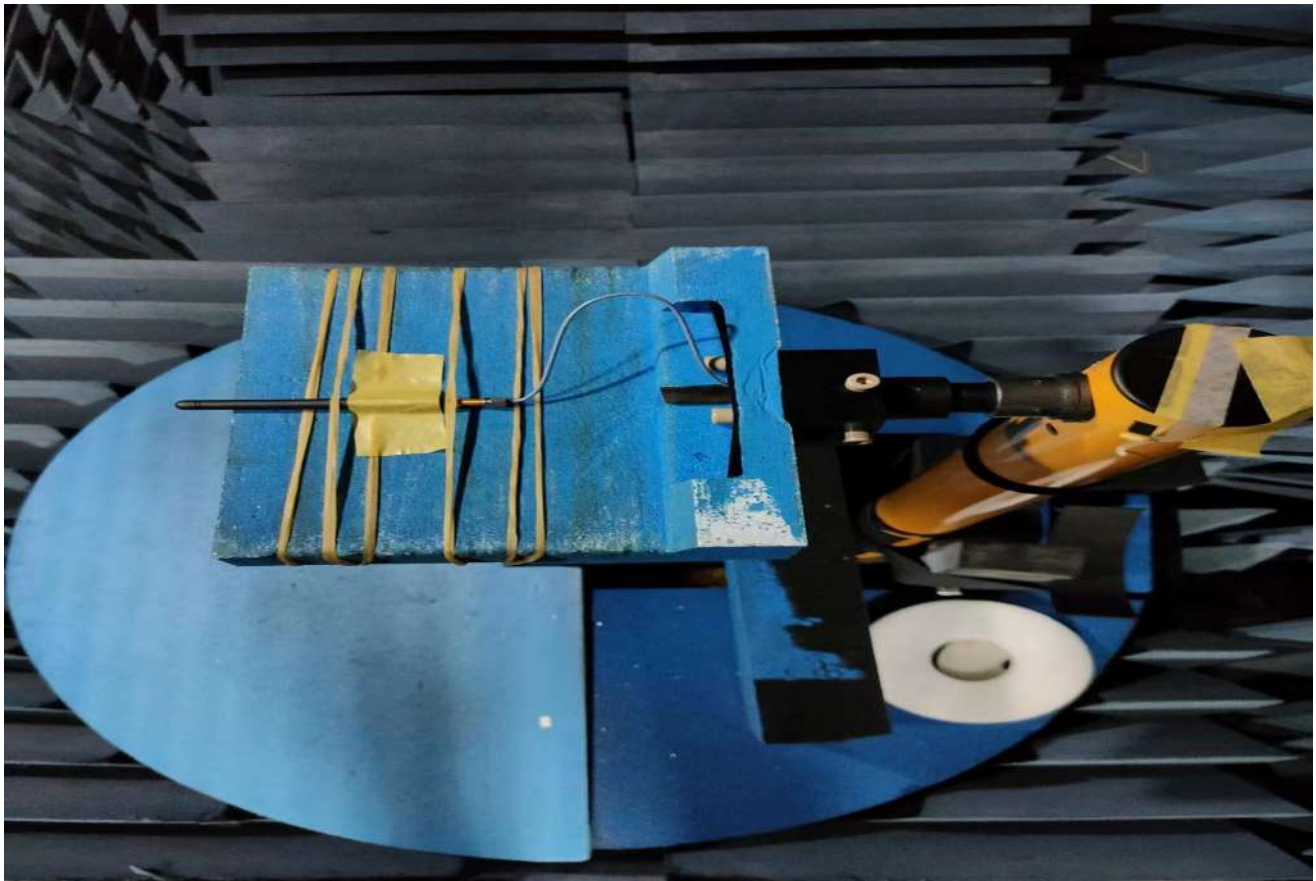
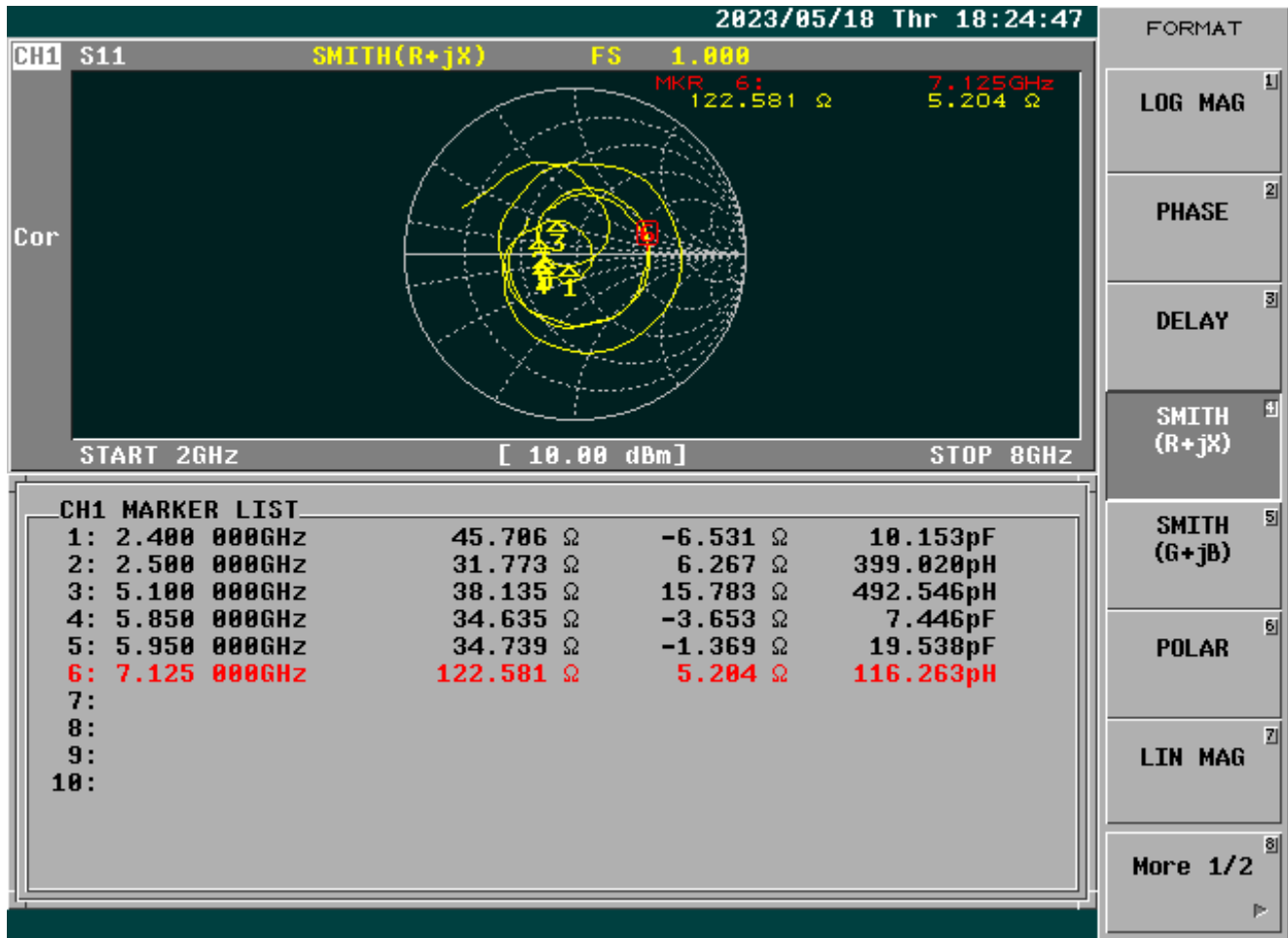


CH1 MARKER LIST

1:	2.400 000GHZ	-21.400 dB
2:	2.500 000GHZ	-12.495 dB
3:	5.100 000GHZ	-13.058 dB
4:	5.850 000GHZ	-14.607 dB
5:	5.950 000GHZ	-14.816 dB
6:	7.125 000GHZ	-7.488 dB
7:		
8:		
9:		
10:		

FORMAT

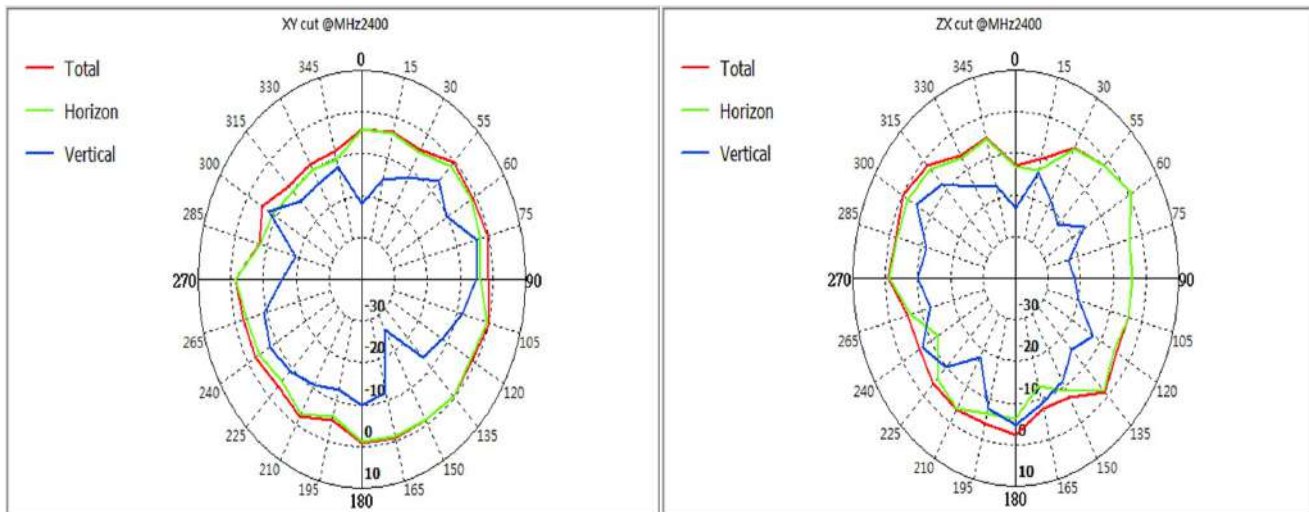
- 1] LOG MAG
- 2] PHASE
- 3] DELAY
- 4] SMITH (R+jX)
- 5] SMITH (G+jB)
- 6] POLAR
- 7] LIN MAG
- 8] More 1/2

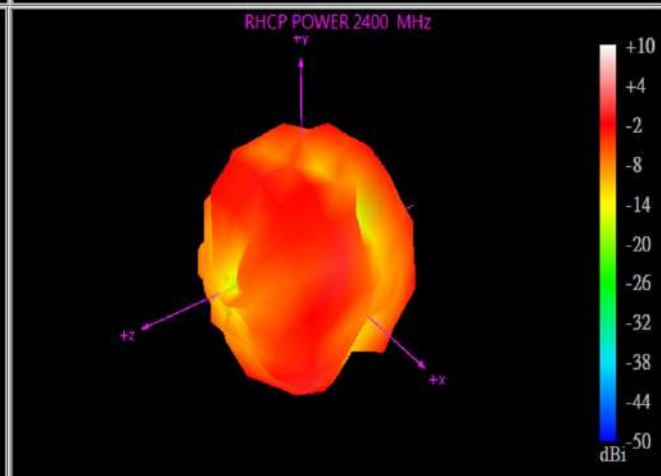
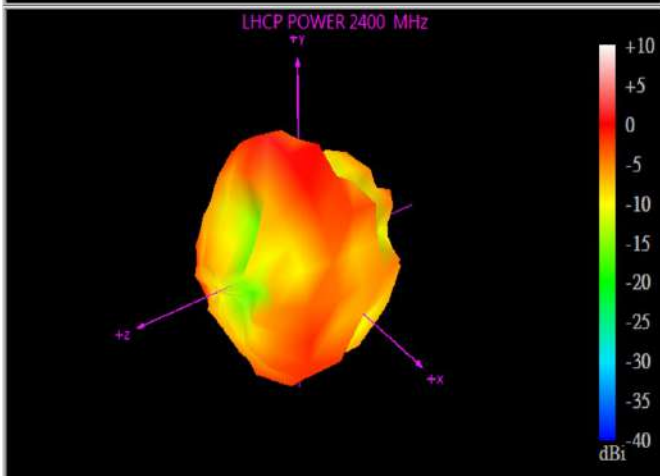
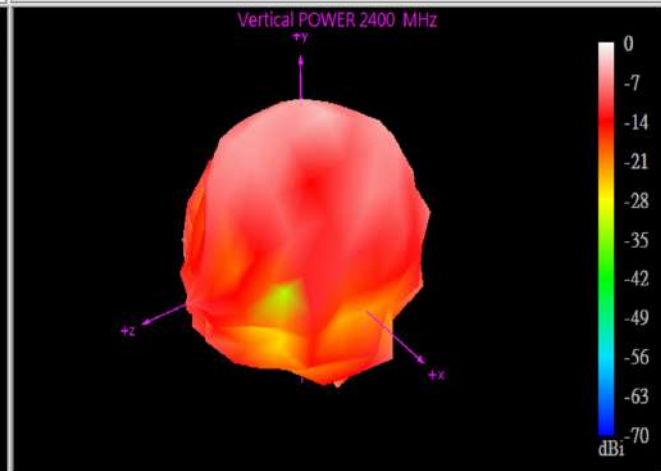
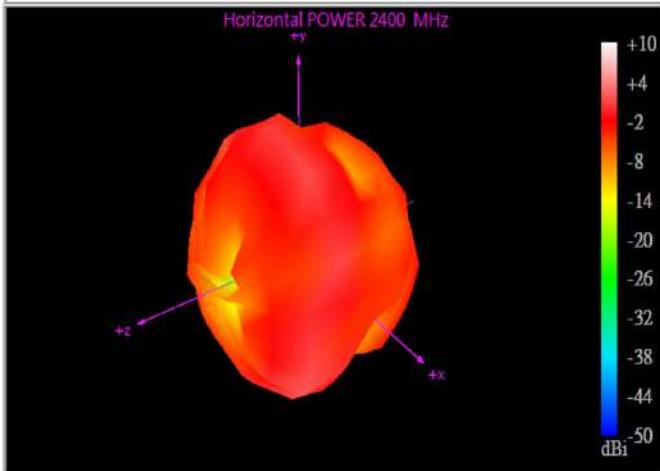
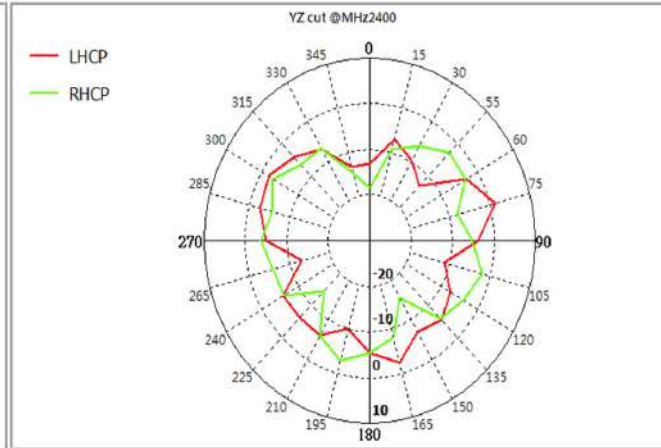
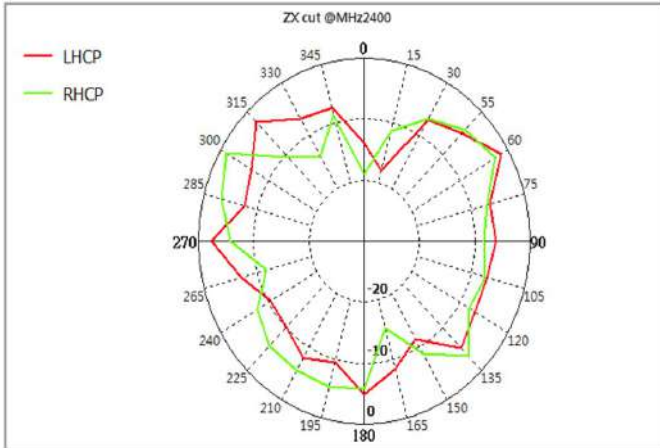
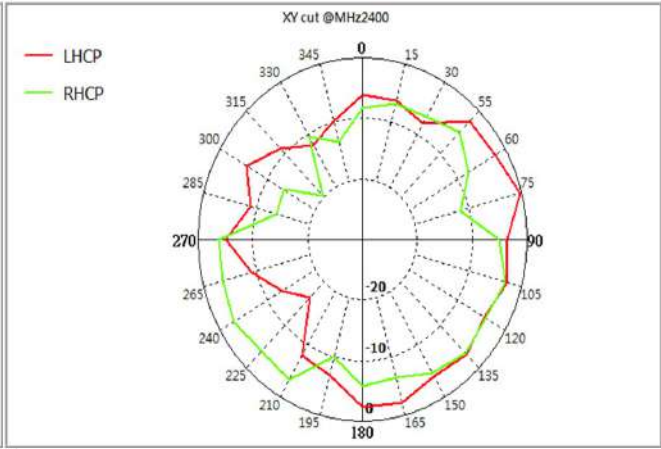
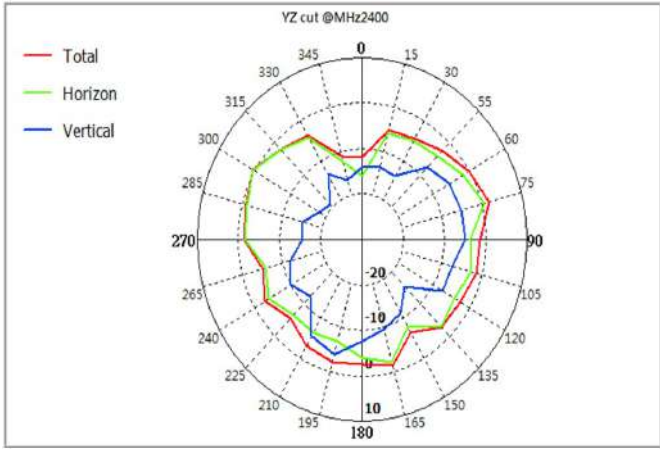


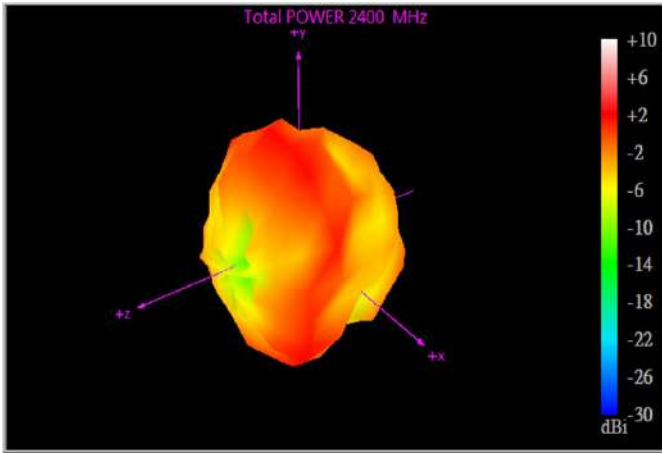
3D Total

Frequency (MHz)	Upper Hem. PRP (dBm)	Lower HEM. PRP (dBm)	Efficiency (dB)	Efficiency (%)	Gain (dBi)	Tot. Rad.Pwr. (dBm)
2400 MHz	-4.87	-7.10	-2.83	52.09	2.12	-2.83
2450 MHz	-4.02	-6.04	-1.90	64.53	3.08	-1.90
2483.5 MHz	-4.72	-6.56	-2.53	55.79	2.26	-2.53
2500 MHz	-5.10	-6.82	-2.86	51.75	2.36	-2.86
5150 MHz	-6.75	-6.43	-3.58	43.90	2.86	-3.58
5250 MHz	-6.56	-7.23	-3.87	41.02	4.43	-3.87
5350 MHz	-6.32	-6.79	-3.54	44.29	2.50	-3.54
5470 MHz	-6.42	-6.46	-3.43	45.39	2.90	-3.43
5597.5 MHz	-6.12	-6.33	-3.21	47.70	3.96	-3.21
5725 MHz	-5.69	-5.66	-2.67	54.10	4.18	-2.67
5785 MHz	-5.49	-6.69	-3.04	49.68	5.12	-3.04
5850 MHz	-5.65	-5.82	-2.72	53.41	4.16	-2.72
5895 MHz	-4.31	-5.29	-1.76	66.72	4.56	-1.76
5925 MHz	-4.17	-4.37	-1.26	74.84	6.05	-1.26
6000 MHz	-4.75	-5.24	-1.98	63.46	4.06	-1.98
6125 MHz	-3.12	-4.30	-0.66	85.92	5.65	-0.66
6225 MHz	-3.92	-4.52	-1.20	75.84	5.63	-1.20
6325 MHz	-4.23	-5.57	-1.84	65.49	4.50	-1.84
6425 MHz	-3.76	-4.80	-1.24	75.17	4.97	-1.24
6525 MHz	-4.01	-4.44	-1.21	75.74	5.31	-1.21
6625 MHz	-4.67	-5.31	-1.97	63.52	5.08	-1.97
6725 MHz	-4.43	-4.35	-1.38	72.74	5.31	-1.38
6875 MHz	-3.22	-3.49	-0.34	92.48	6.14	-0.34
7000 MHz	-4.82	-4.66	-1.73	67.20	3.88	-1.73
7125 MHz	-4.65	-3.94	-1.27	74.66	5.68	-1.27

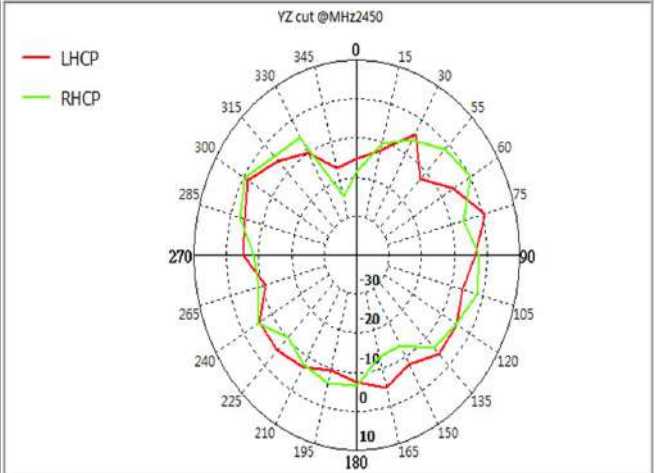
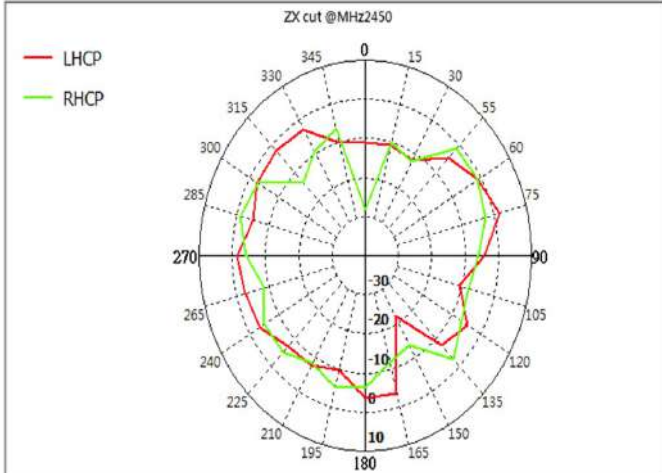
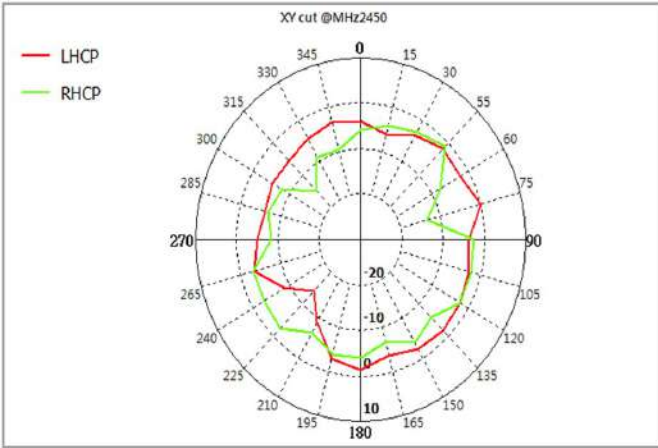
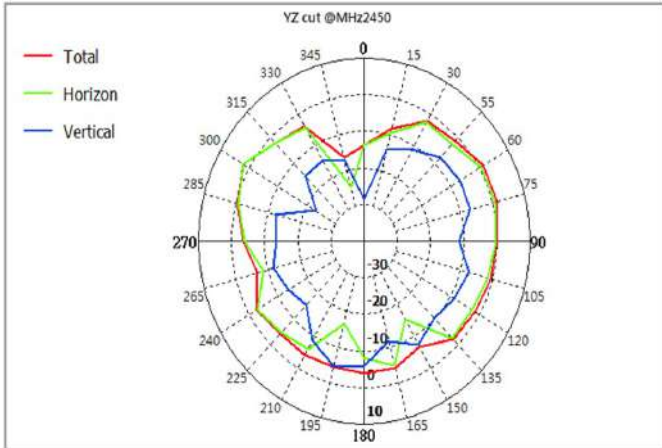
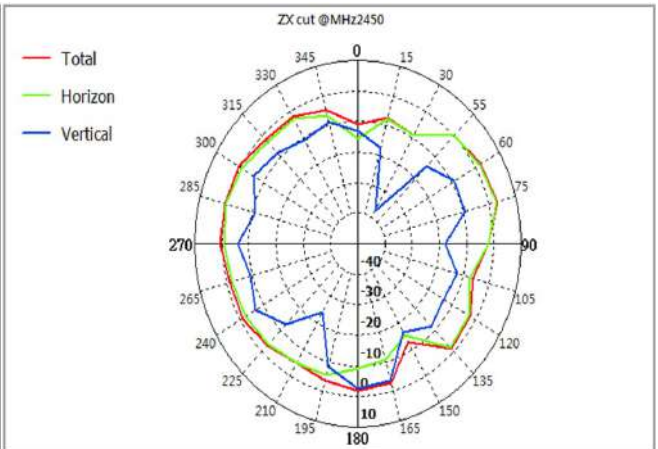
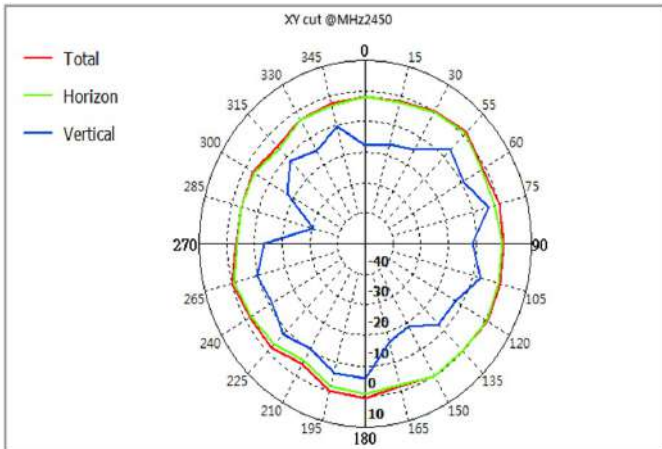
2400Mhz:

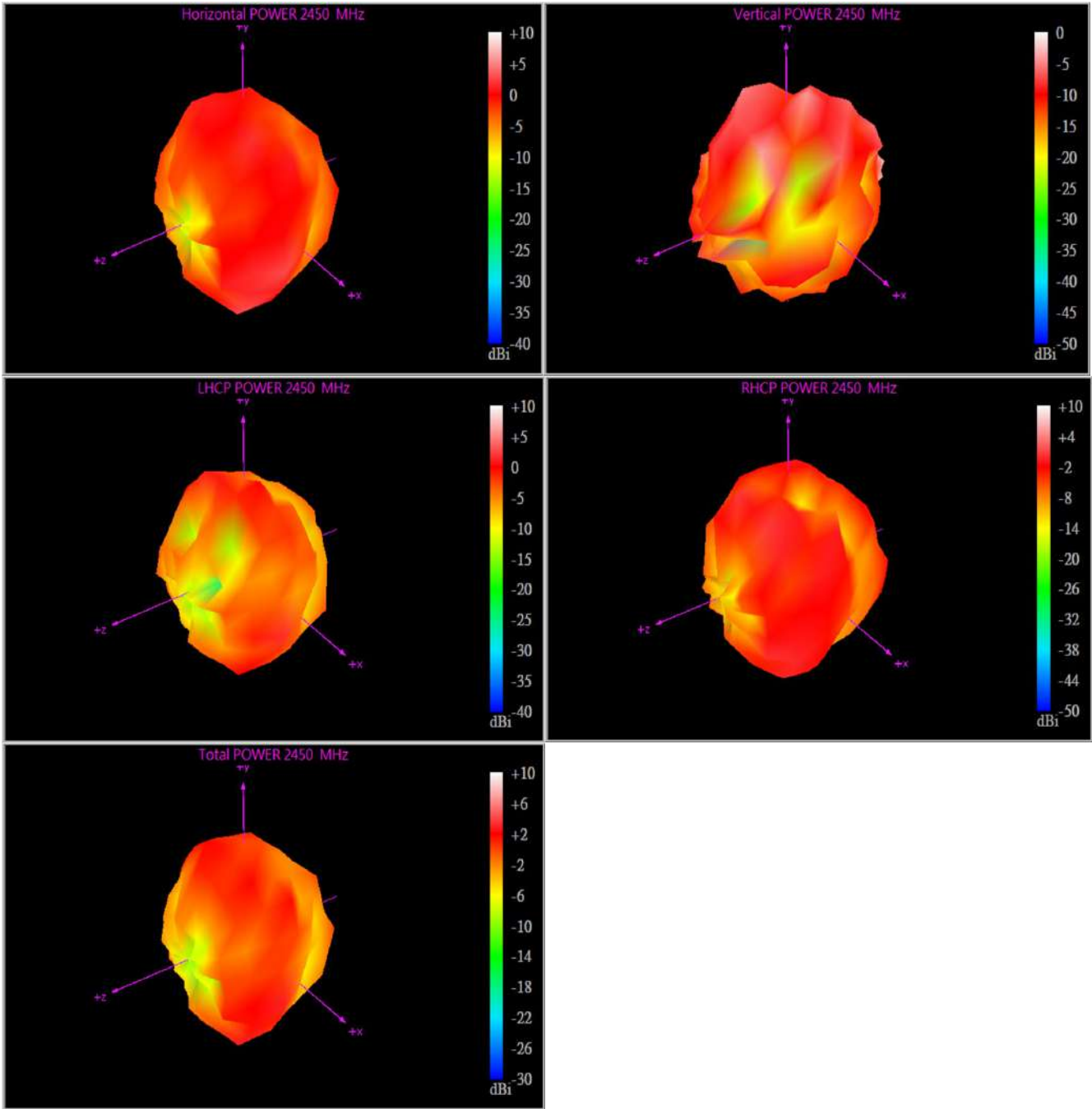




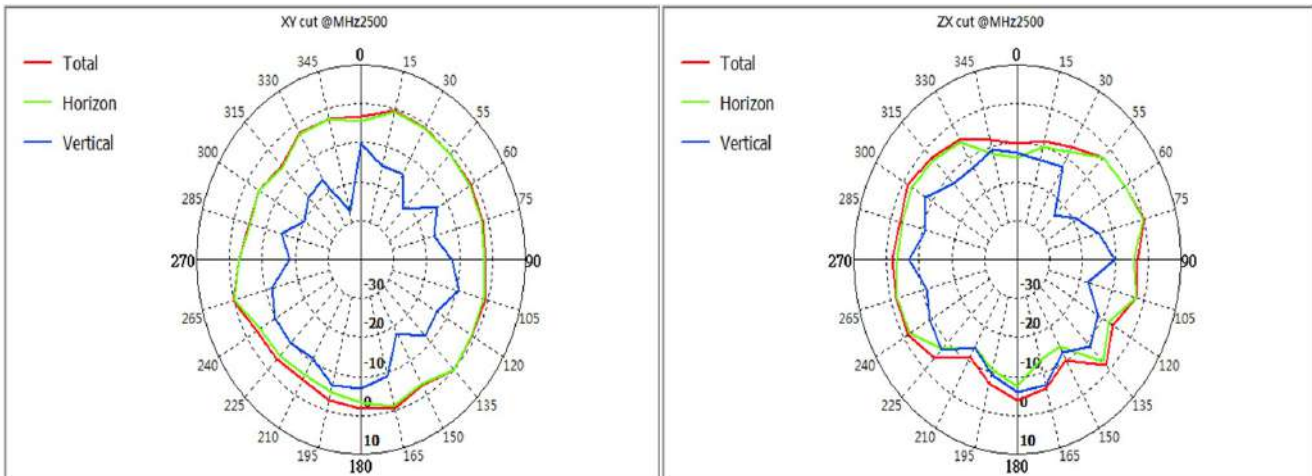


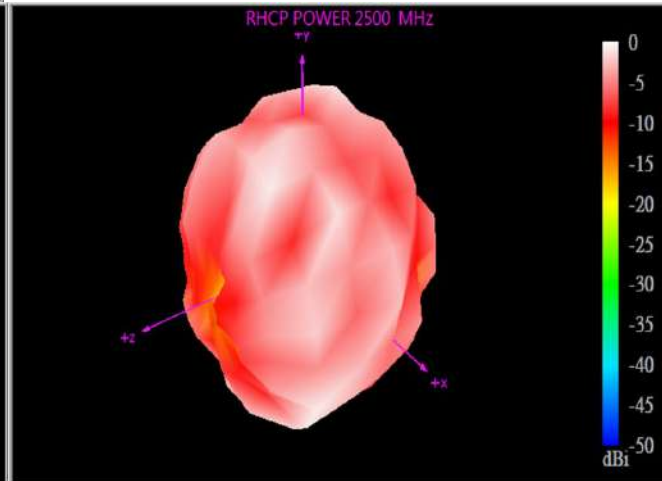
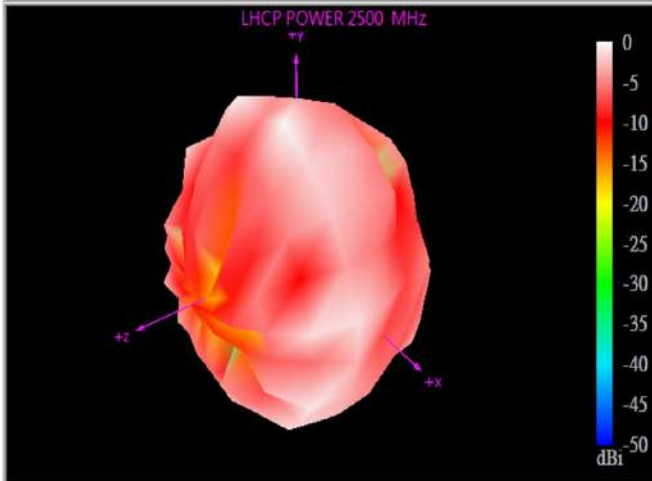
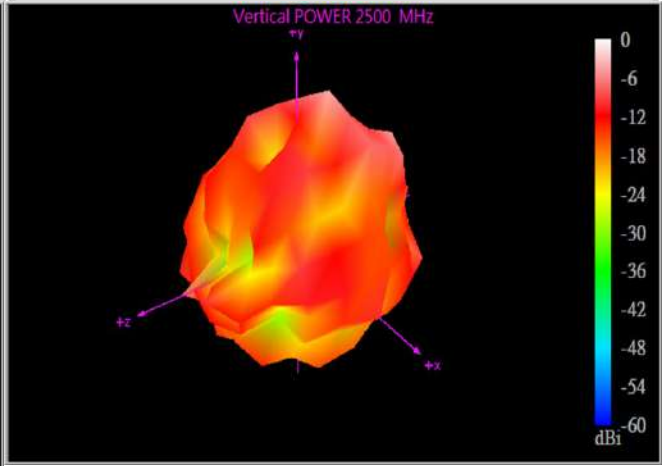
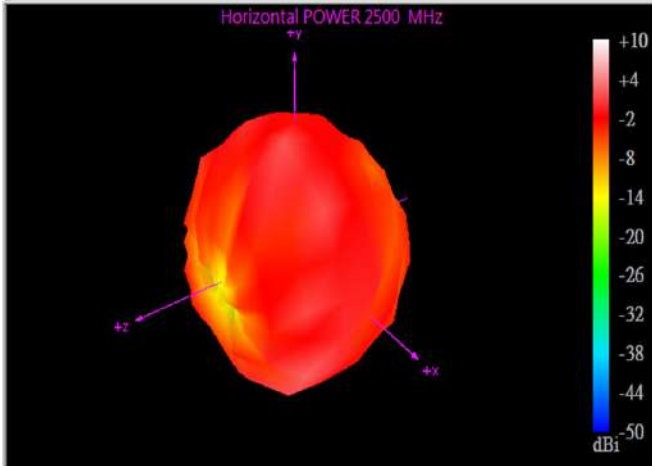
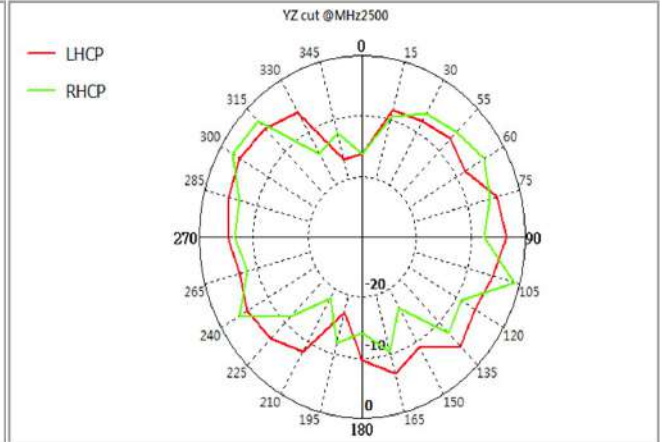
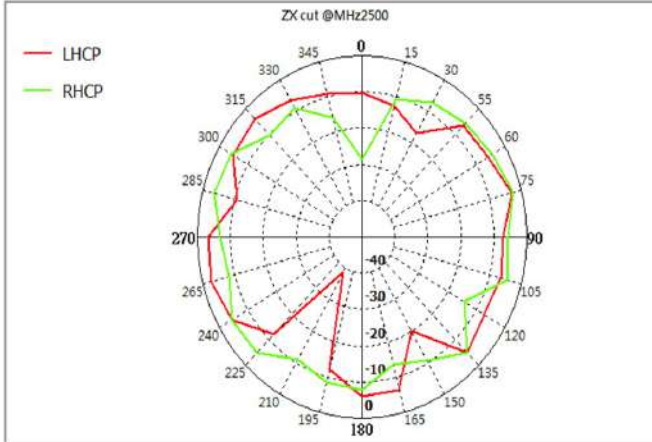
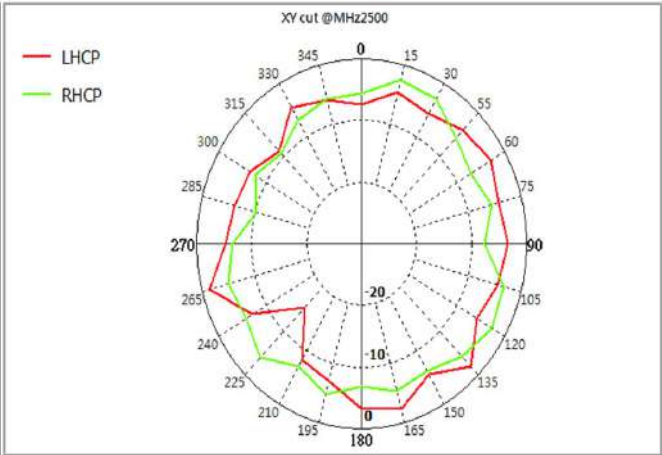
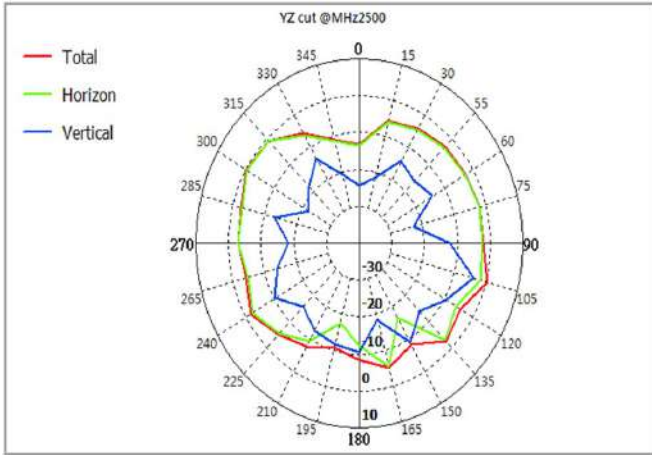
2450MHz:

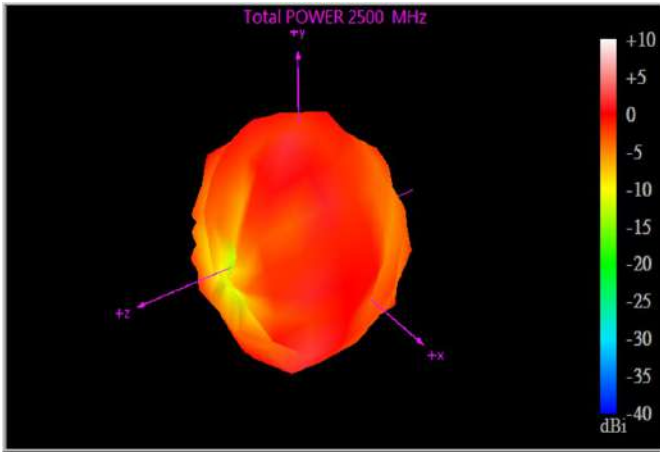




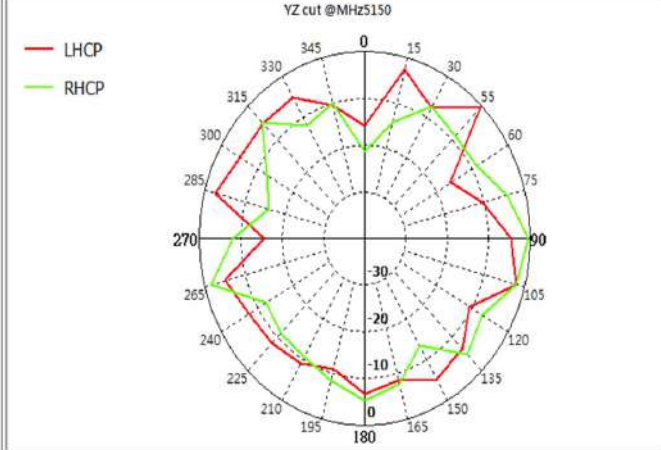
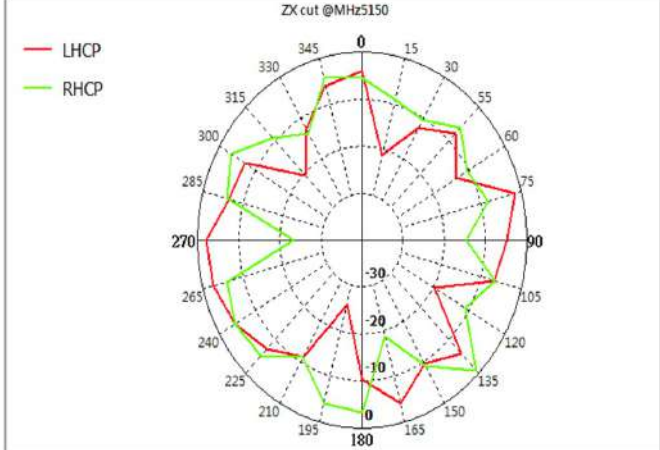
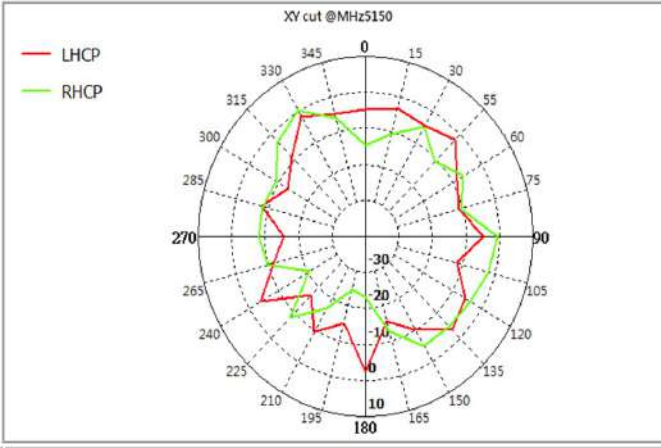
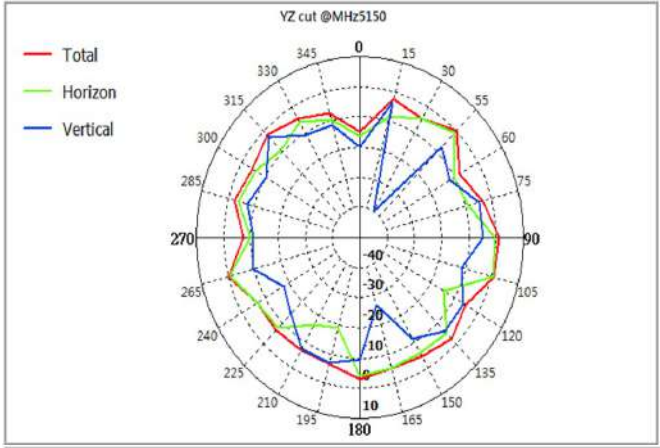
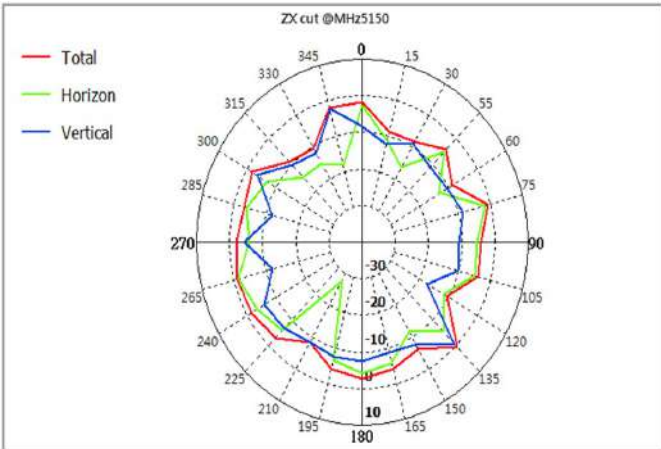
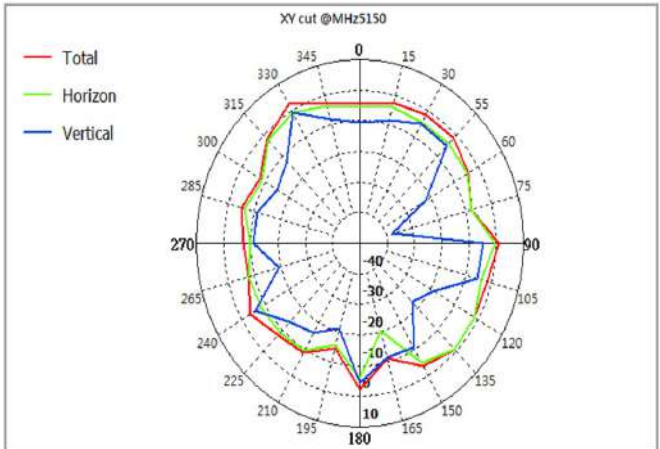
2500MHz:

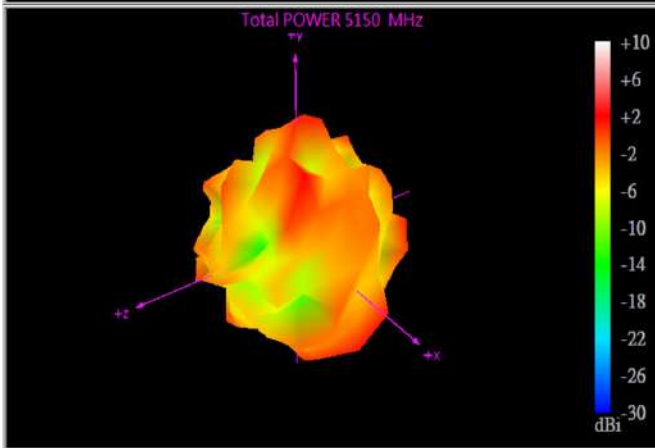
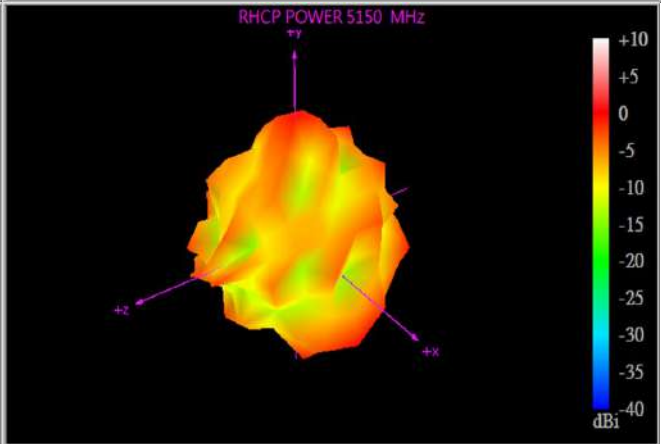
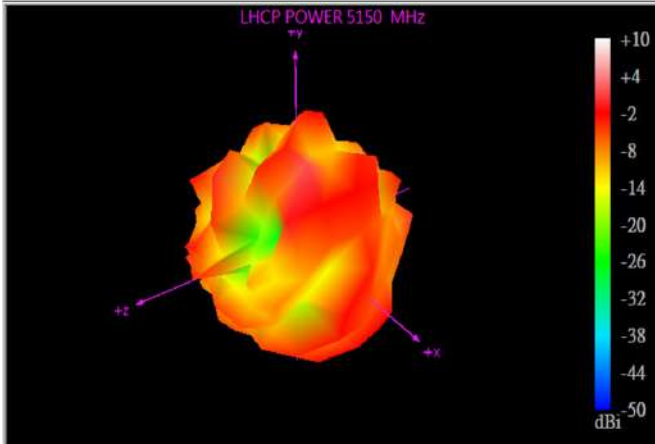
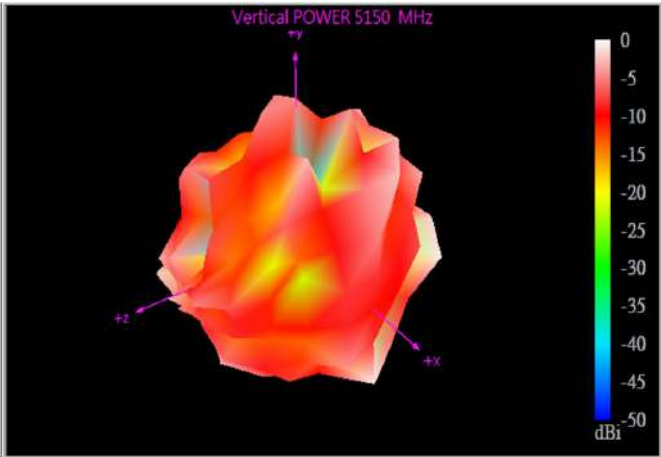
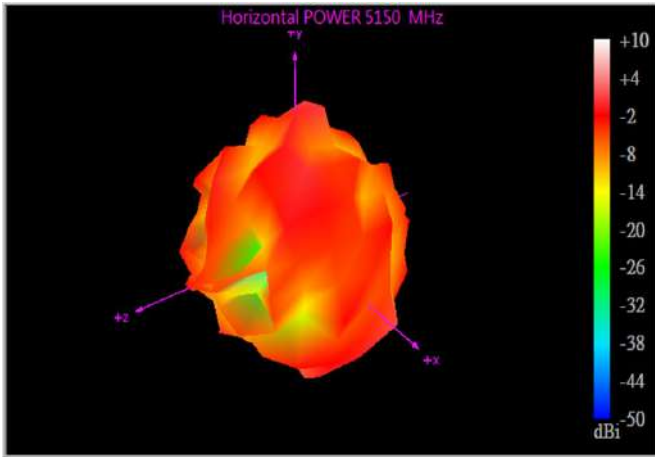




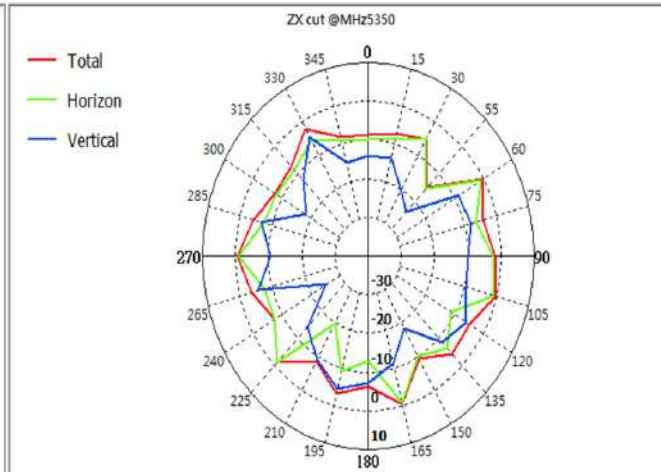
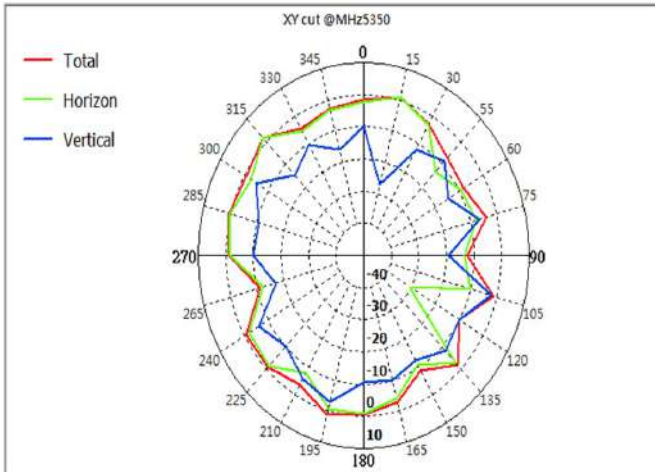


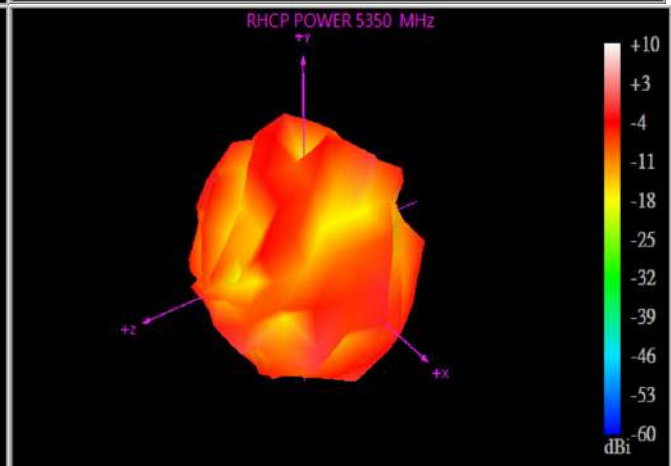
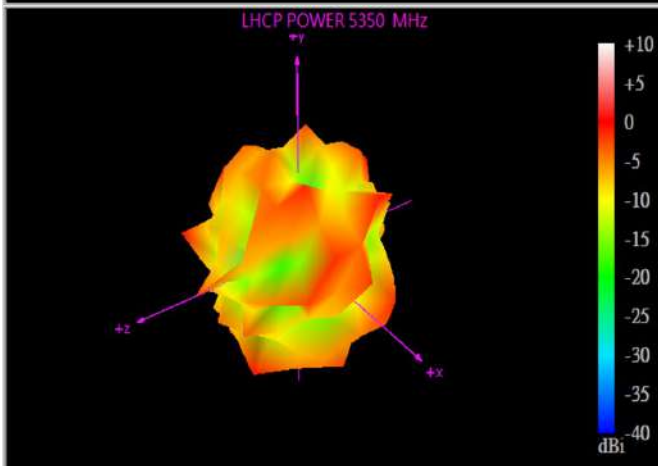
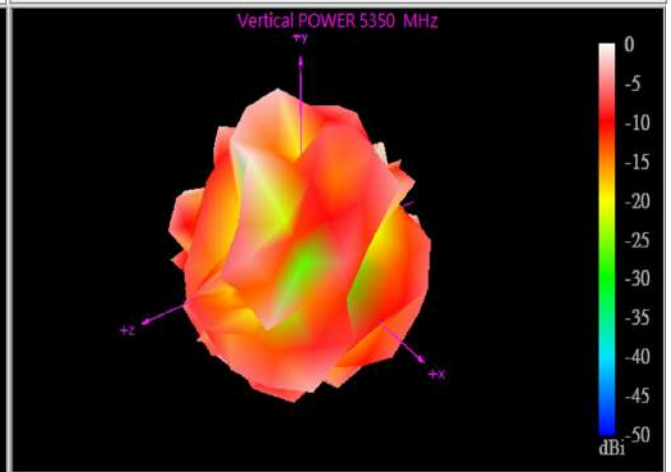
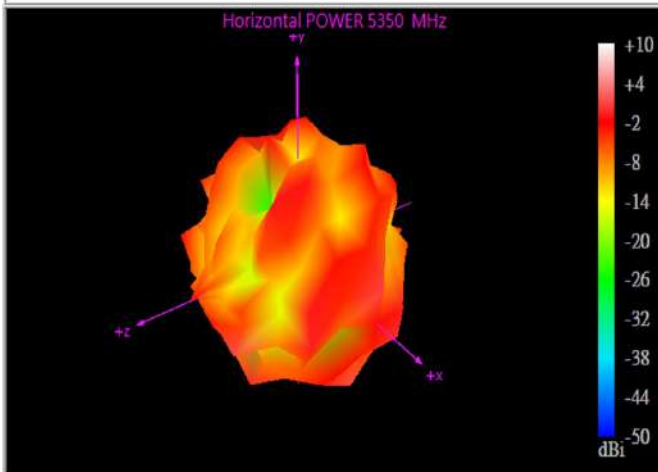
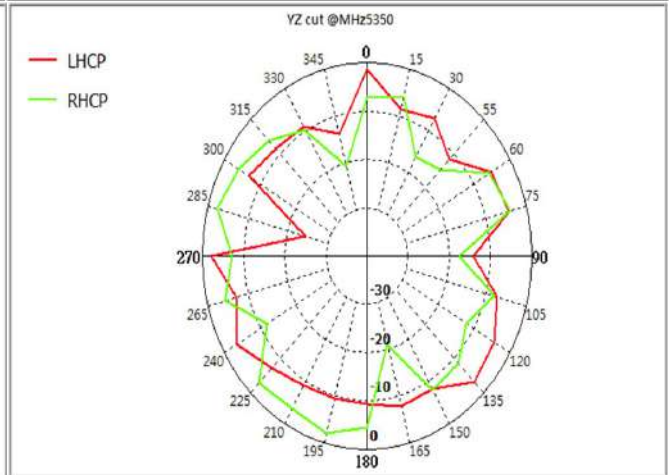
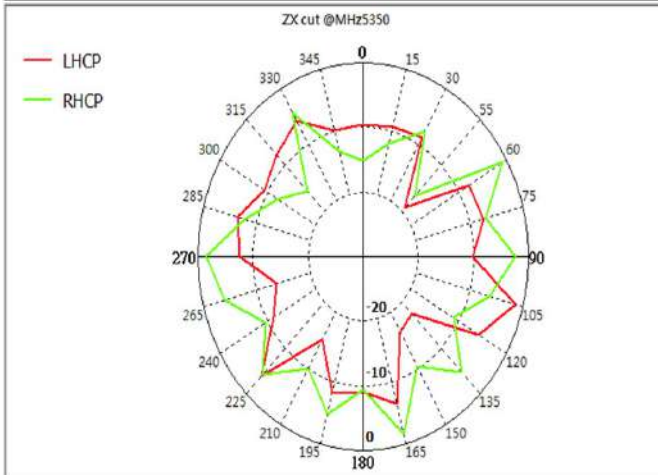
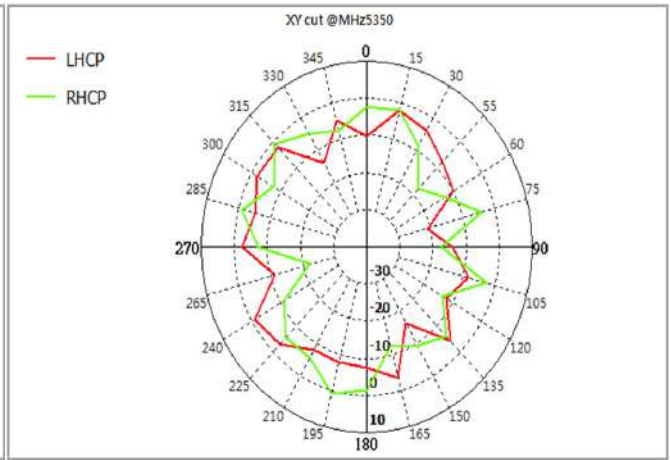
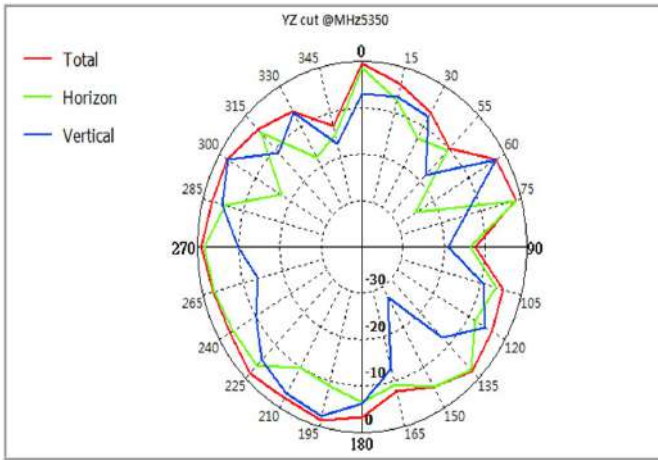
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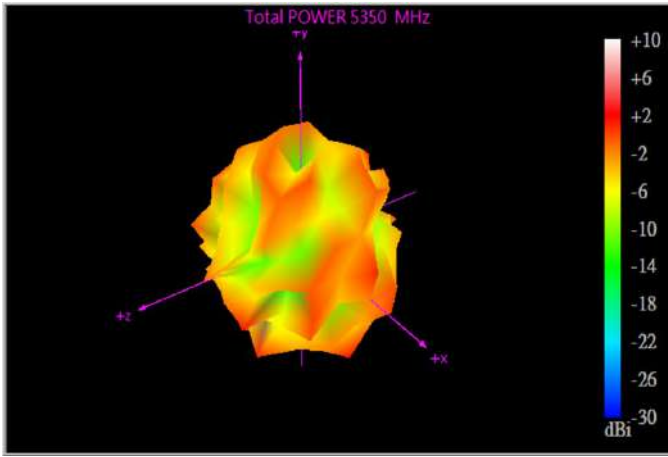




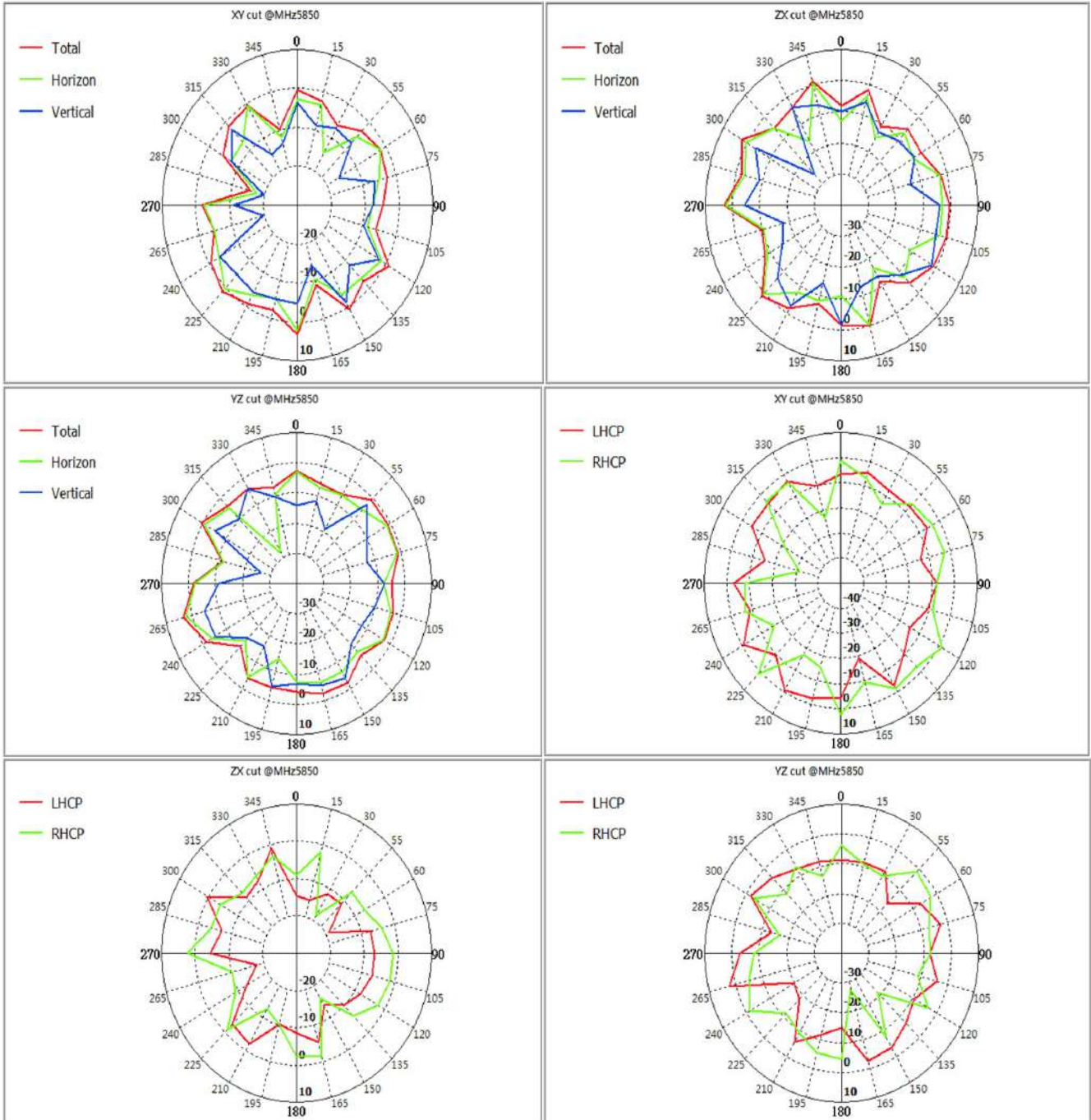
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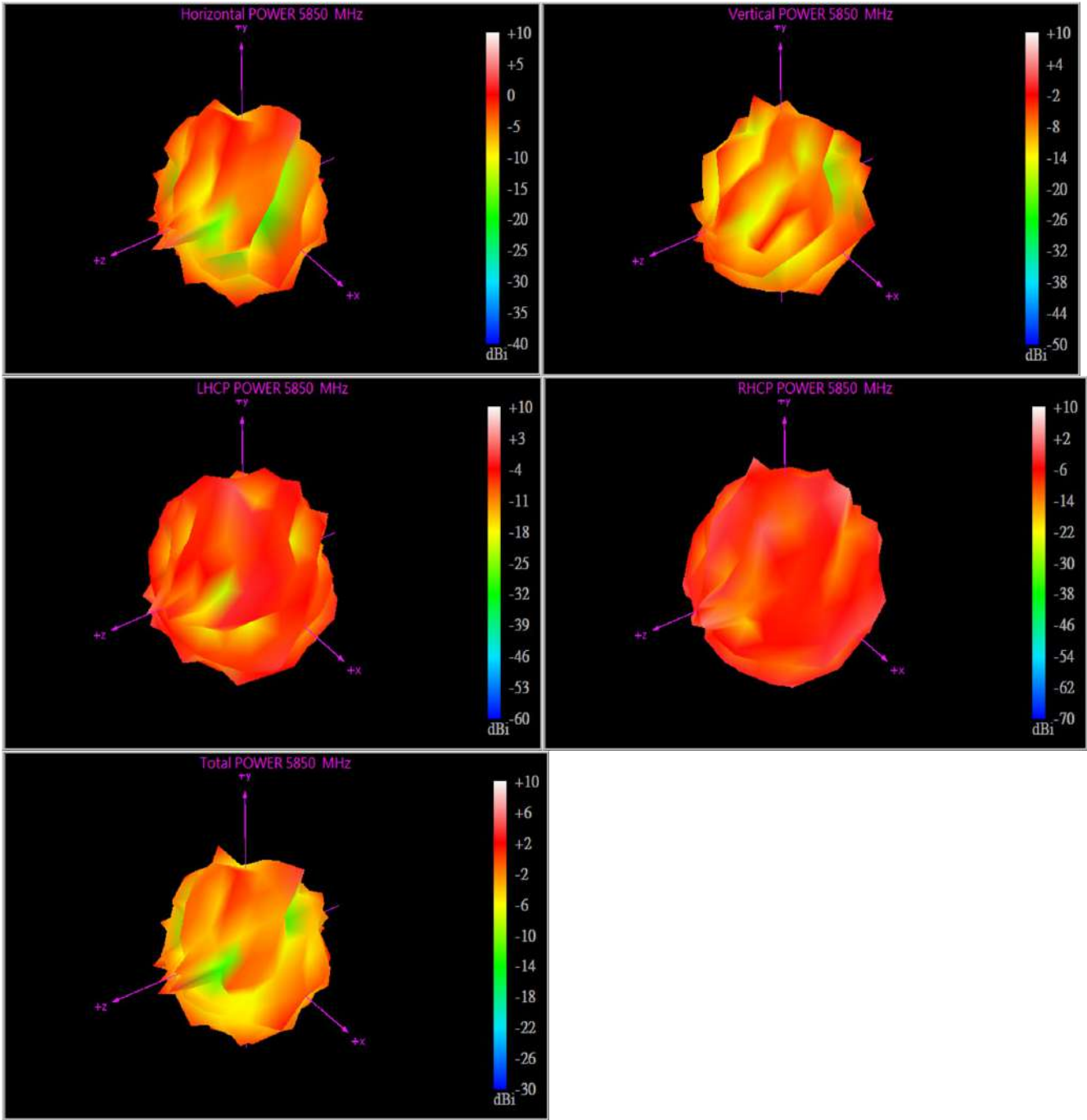




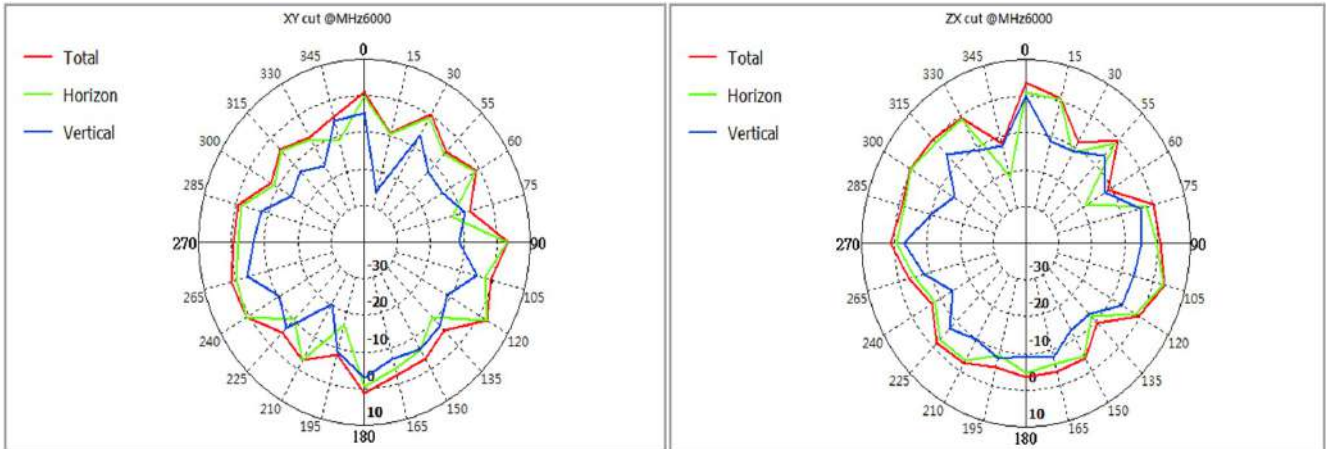


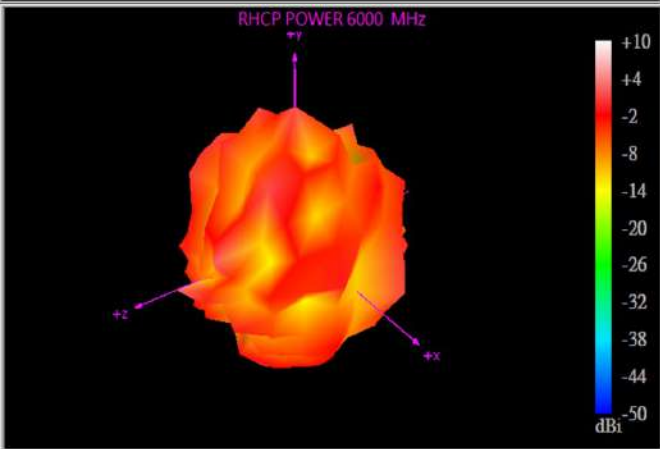
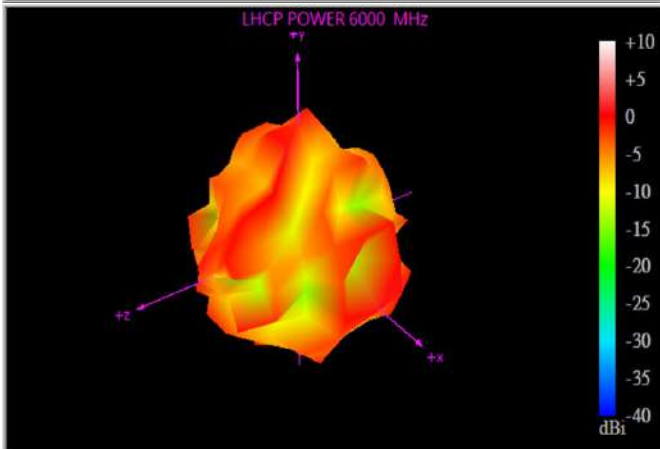
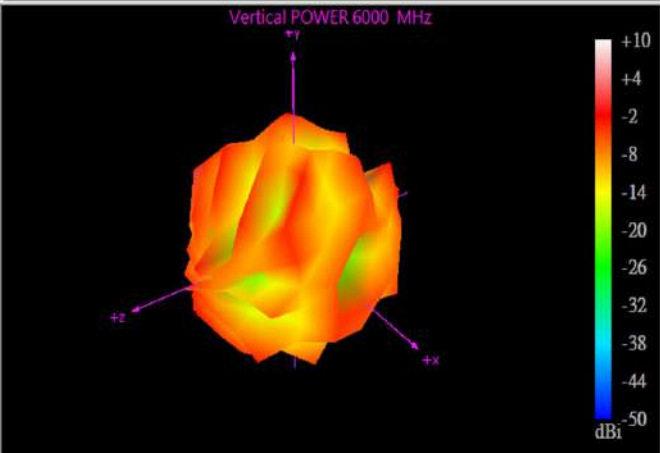
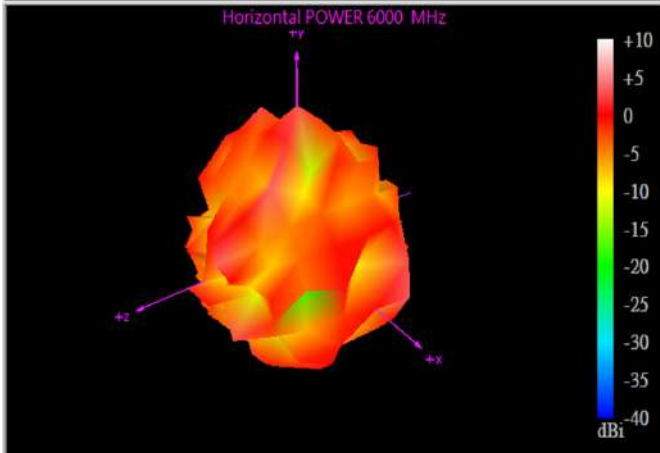
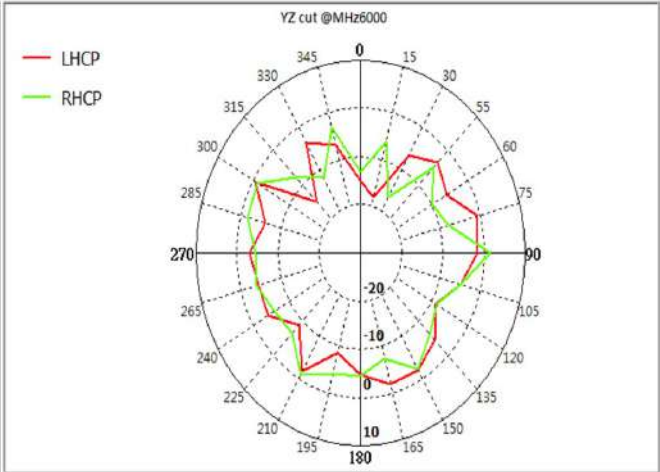
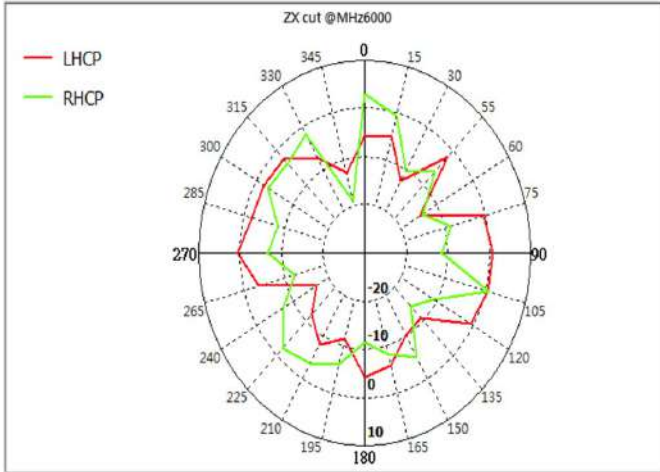
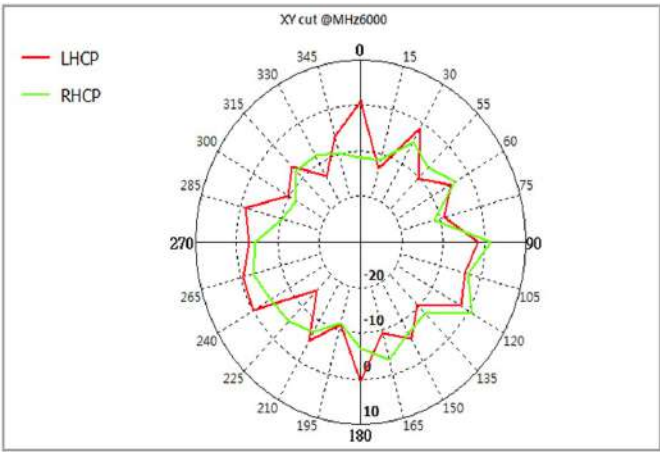
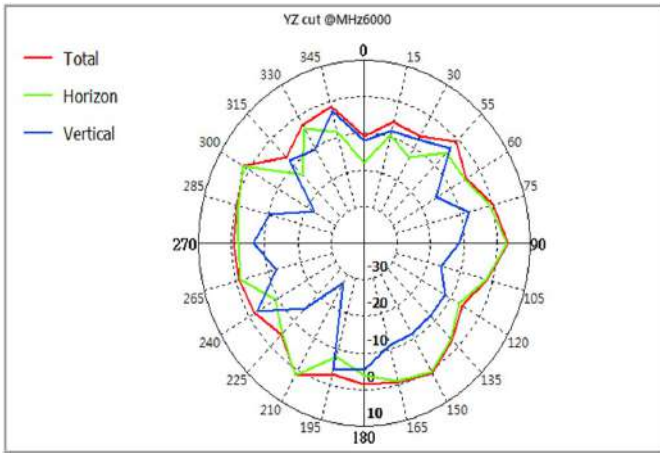
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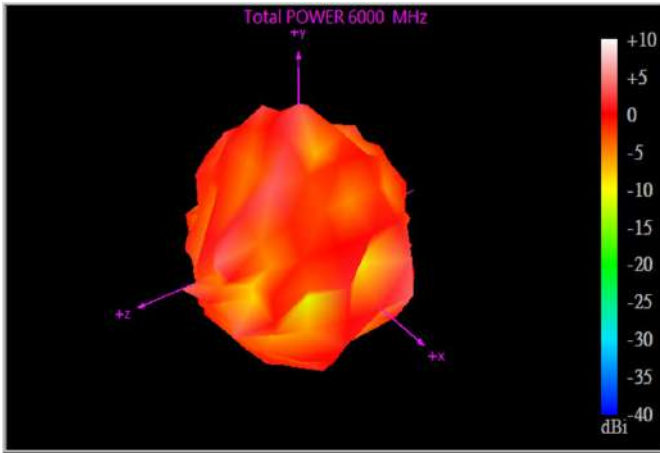




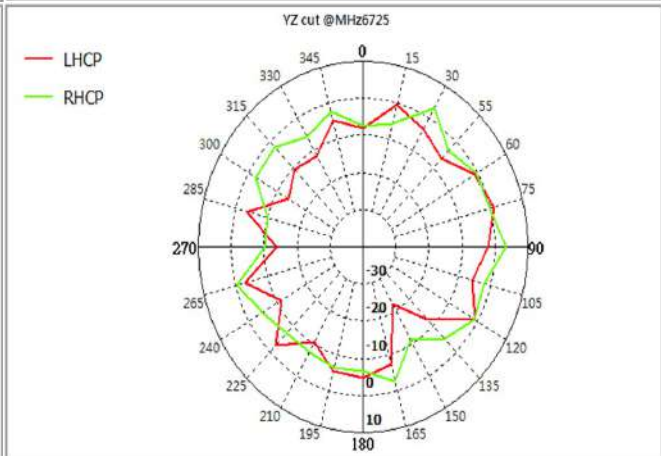
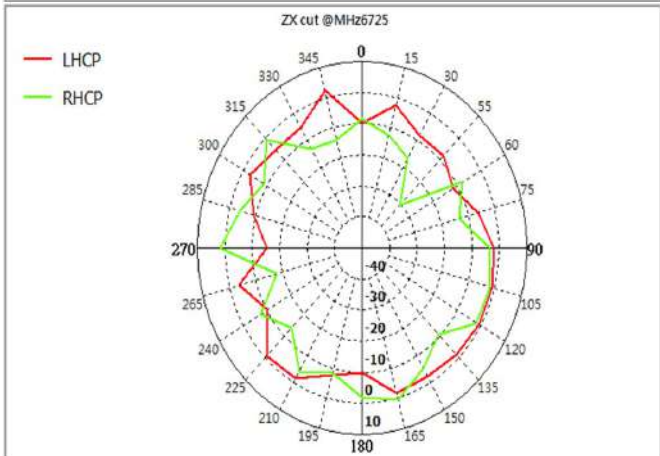
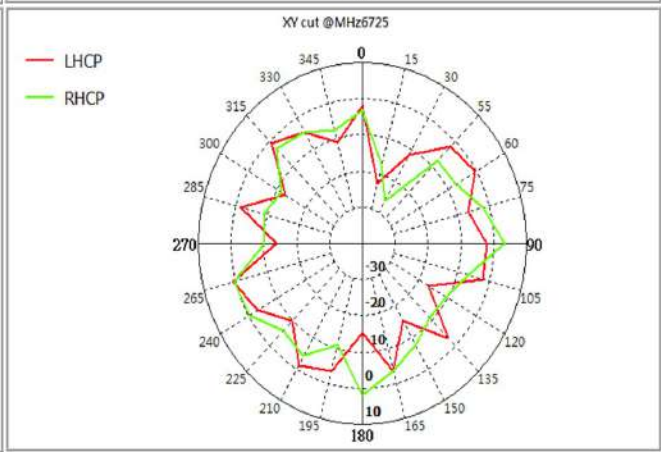
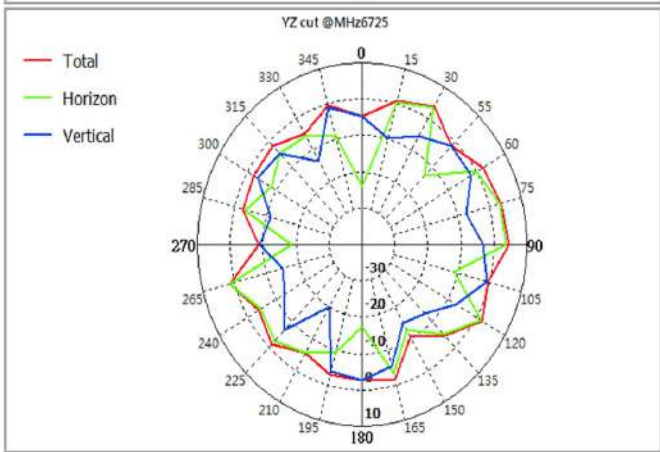
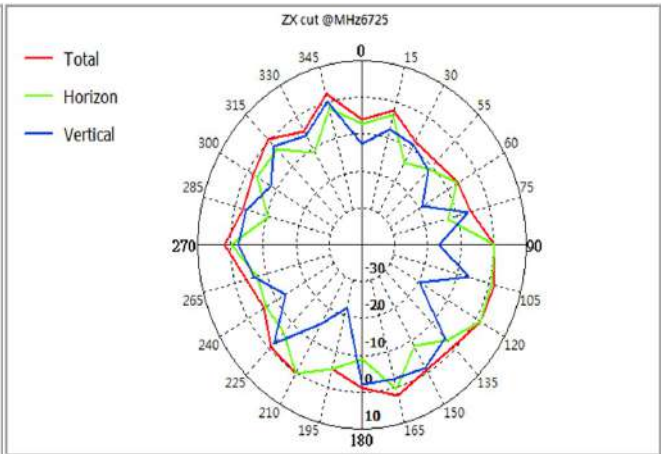
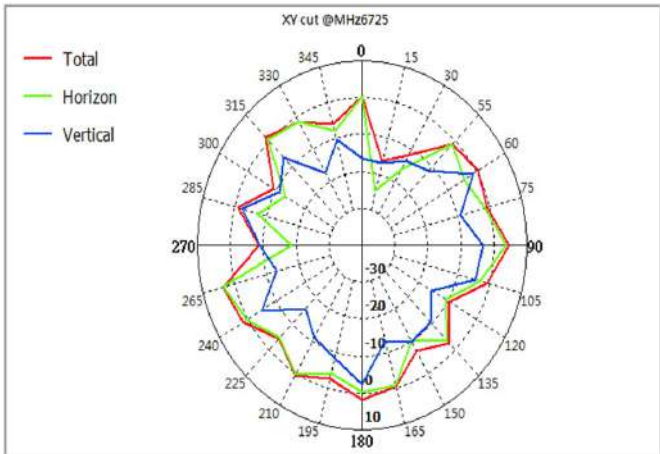
6000MHz:

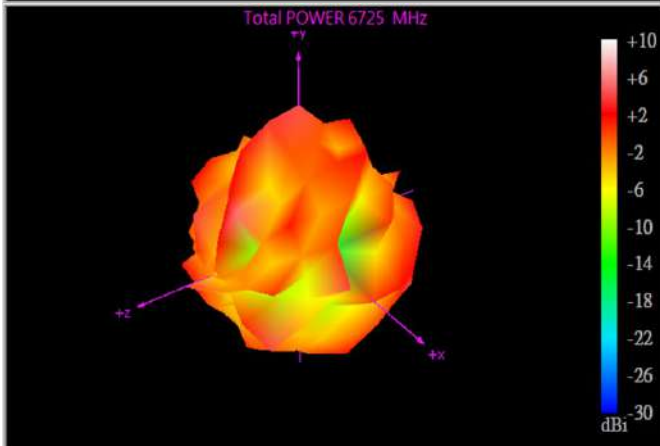
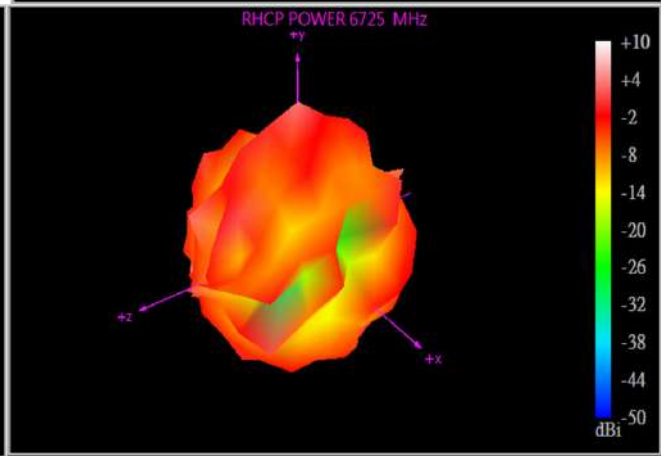
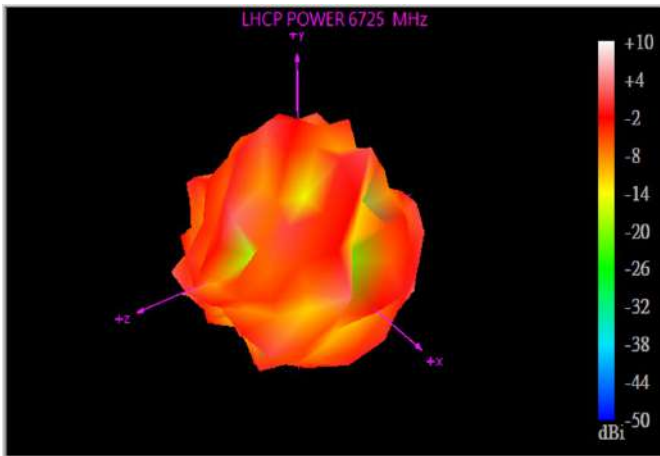
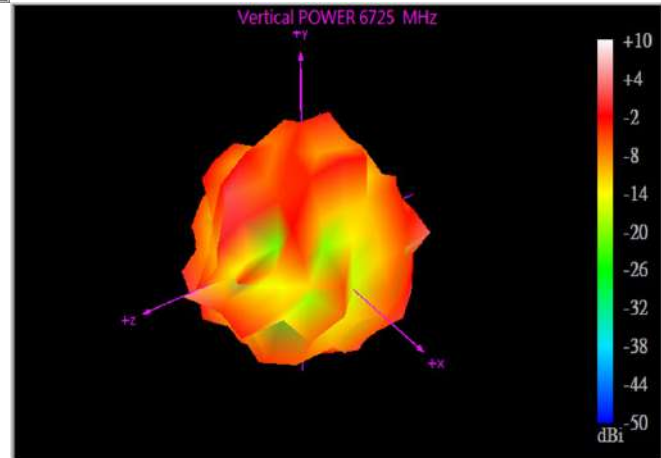
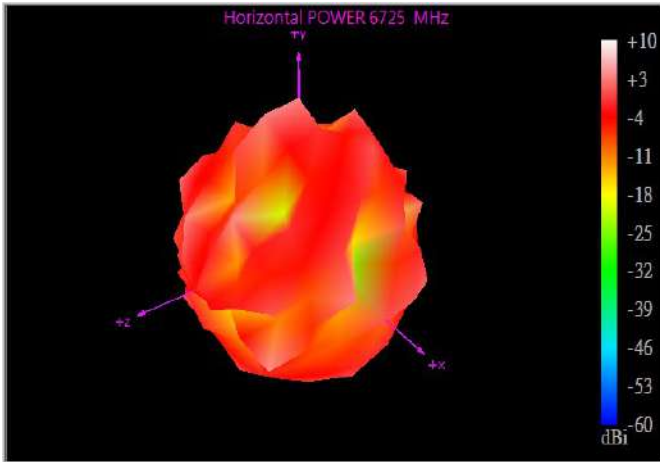






6750Mhz:





7125Mhz:

