

1.4~4G Flexible Cable Antenna

MODEL: TH-1440



1.. GENERAL DESCRIPTION

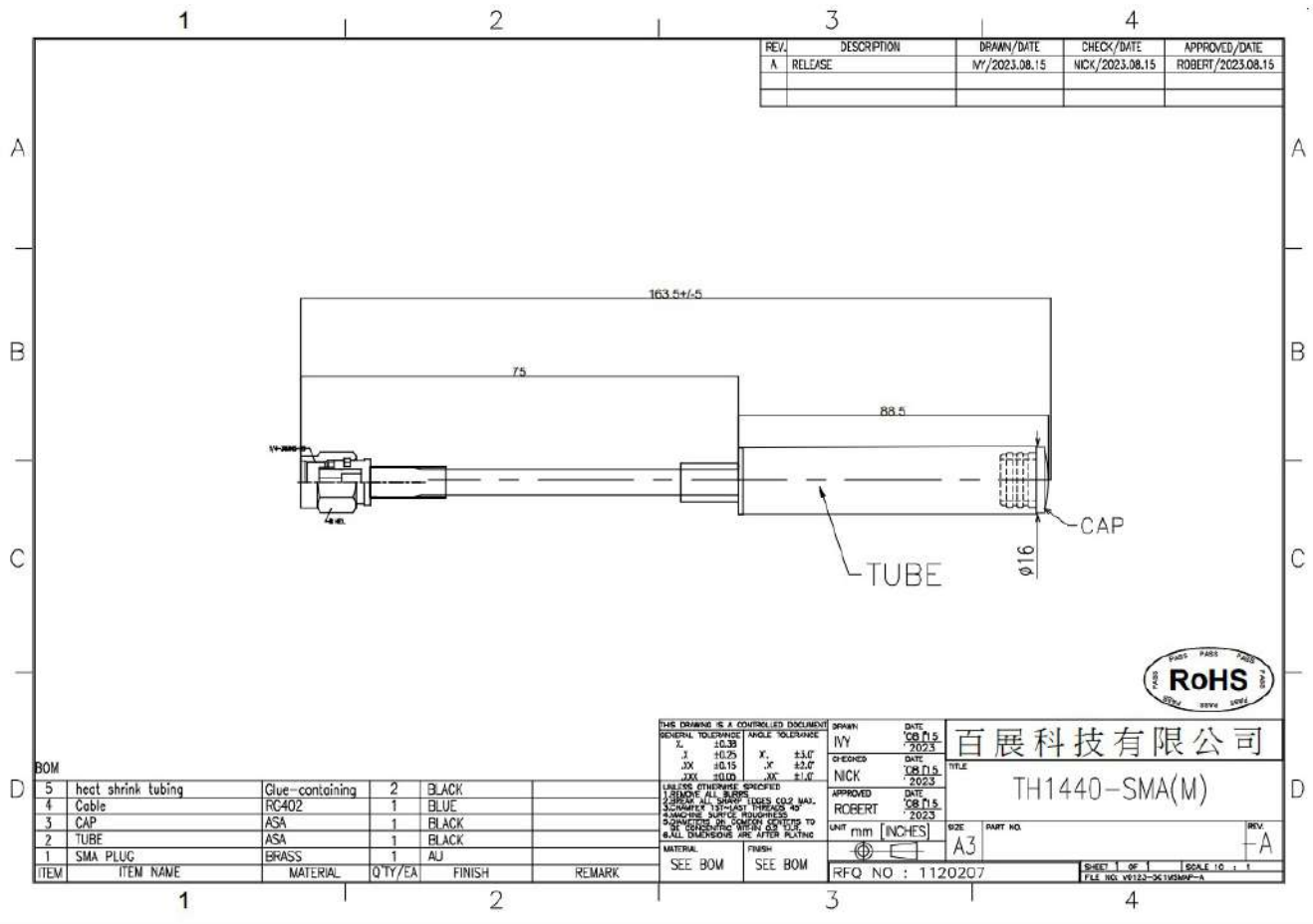
Model No
TH1440-SMA(M)

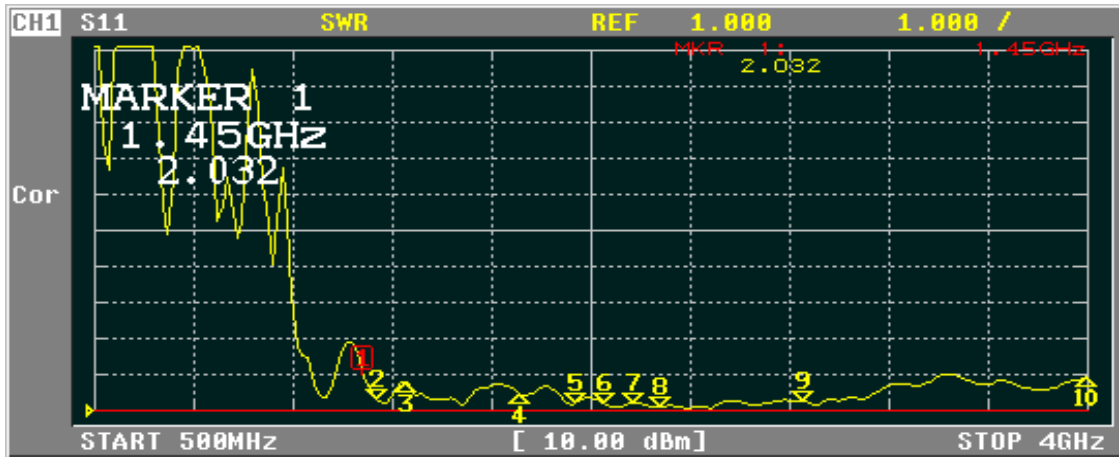
1.1 Electrical Properties

Parameter	Description
Frequency Band	1.4~4.0GHz
Nominal Impedance	50 ohm
Polarization	Vertical
V.S.W.R	3.0:1
Peak Gain	0-4dbi
Power	10W

1.2 Mechanical Properties

Parameter	Description
Antenna Type	External Antenna
Material	ASA
Touch Type	Screw Type
Connector Type	SMA connector (Male) / RG402 Cable
Antenna Dimensions	OD16 x163.5mm ±5
Weight	40g
Antenna Color	Black
Operating Temperature Range	-40°C~+85°C
Storage Temperature Range	-40°C~+85°C
Waterproof	IP67



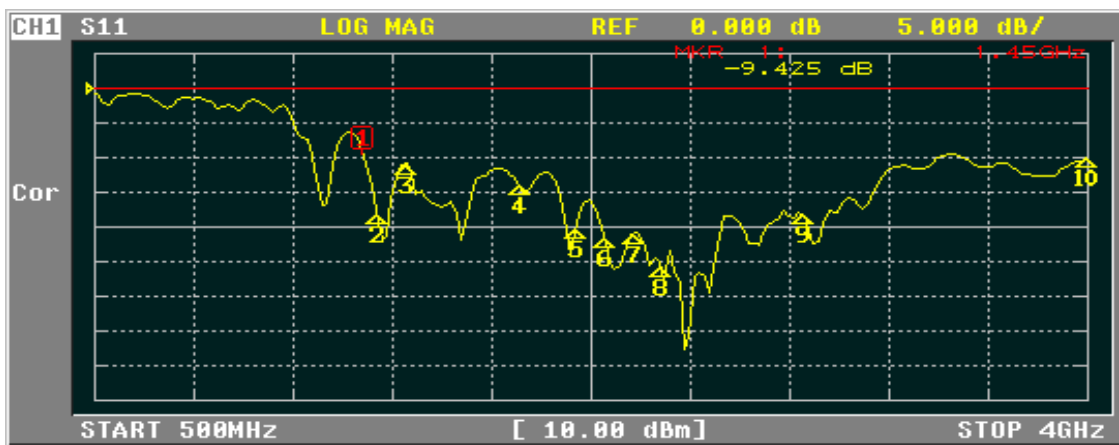


ACTIVATE MARKER

- MARKER 1 1]
- MARKER 2 2]
- MARKER 3 3]
- MARKER 4 4]
- MARKER 5 5]
- ACTIVATE MKR OFF 6]
- Return 7]
- More 1/2 8]

CH1 MARKER LIST

1:	1.450 000GHz	2.032
2:	1.500 000GHz	1.303
3:	1.600 000GHz	1.790
4:	2.000 000GHz	1.483
5:	2.200 000GHz	1.213
6:	2.300 000GHz	1.175
7:	2.400 000GHz	1.189
8:	2.500 000GHz	1.110
9:	3.000 000GHz	1.272
10:	4.000 000GHz	1.930

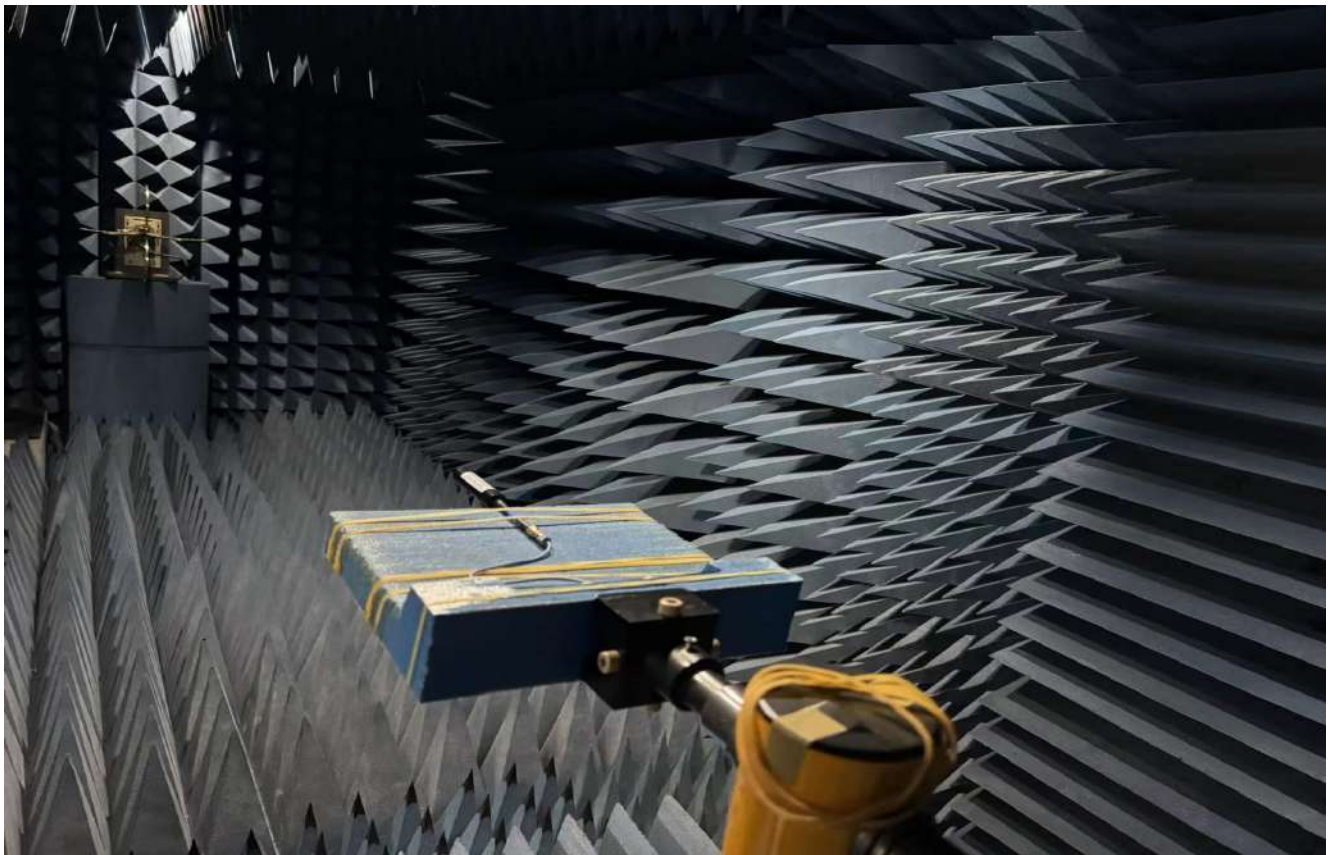
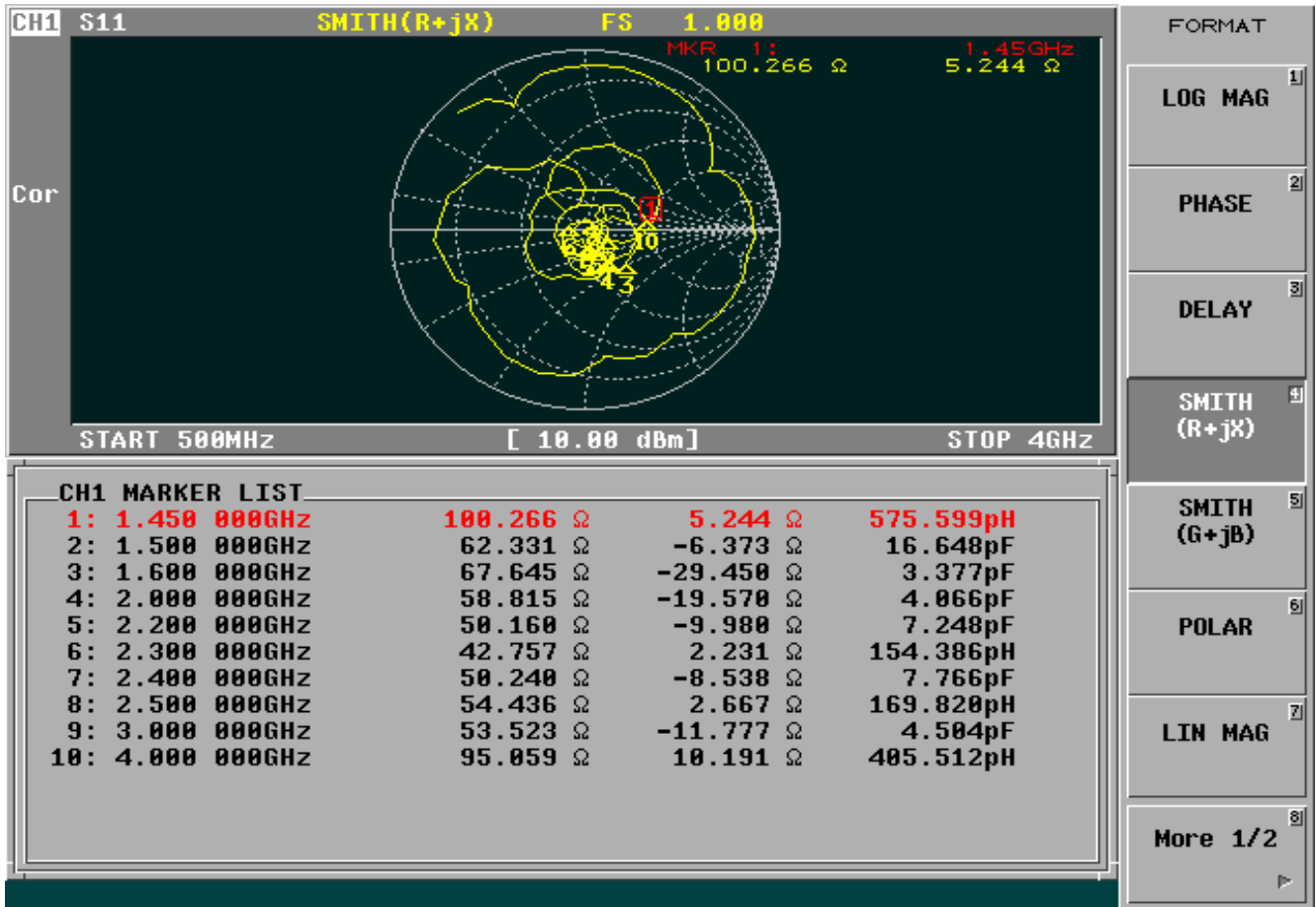


FORMAT

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

CH1 MARKER LIST

1:	1.450 000GHz	-9.429 dB
2:	1.500 000GHz	-18.251 dB
3:	1.600 000GHz	-10.783 dB
4:	2.000 000GHz	-14.254 dB
5:	2.200 000GHz	-20.229 dB
6:	2.300 000GHz	-21.570 dB
7:	2.400 000GHz	-20.925 dB
8:	2.500 000GHz	-25.754 dB
9:	3.000 000GHz	-18.436 dB
10:	4.000 000GHz	-10.047 dB

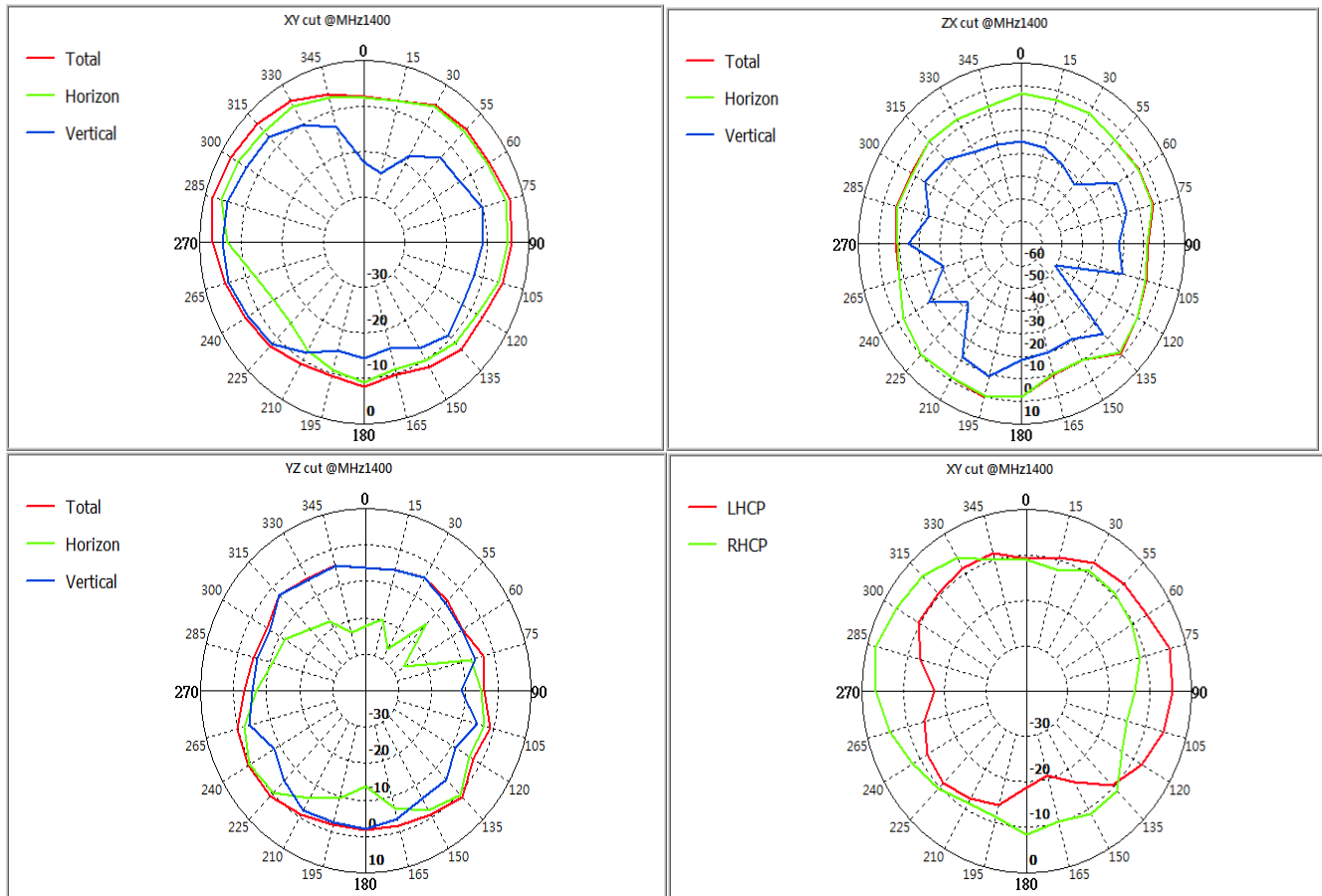


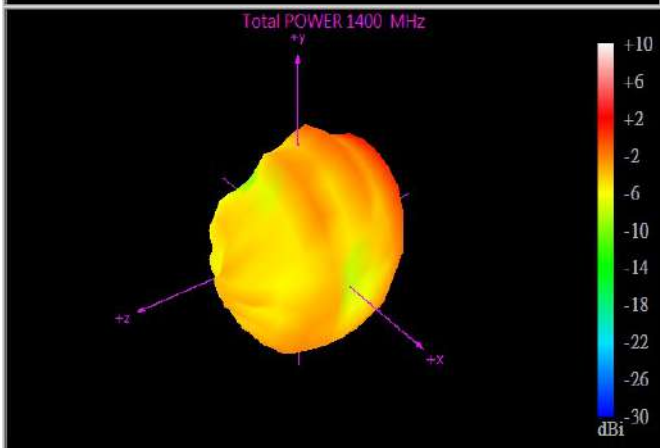
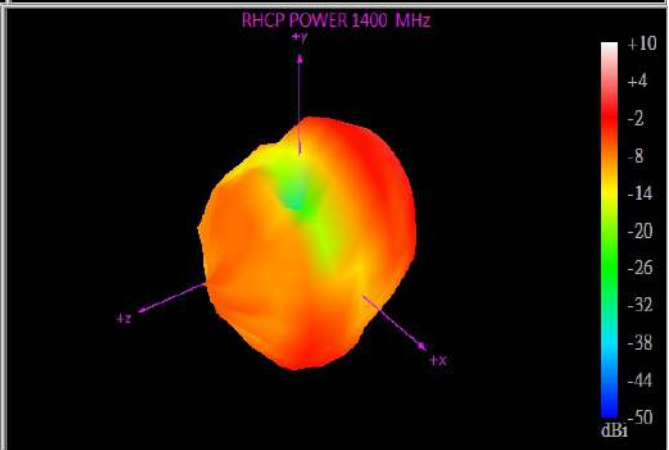
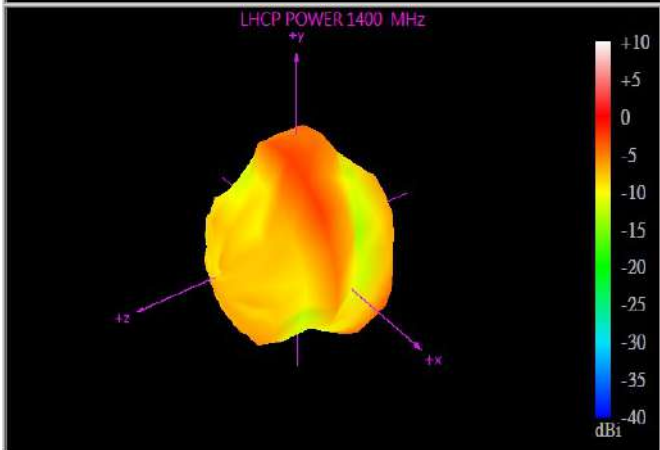
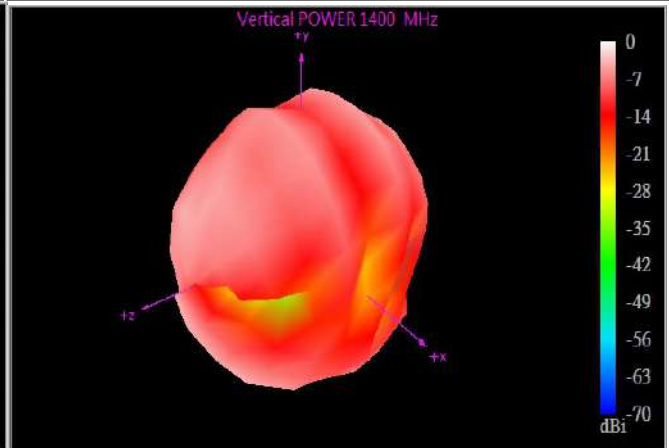
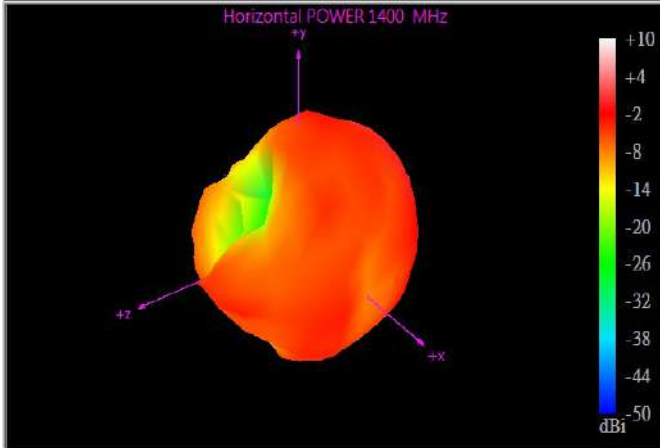
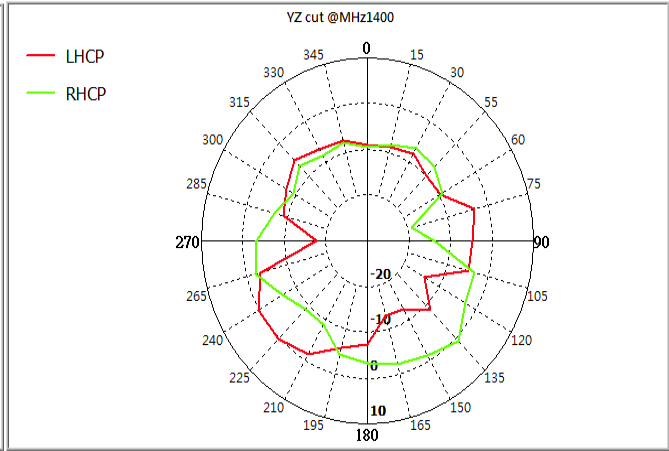
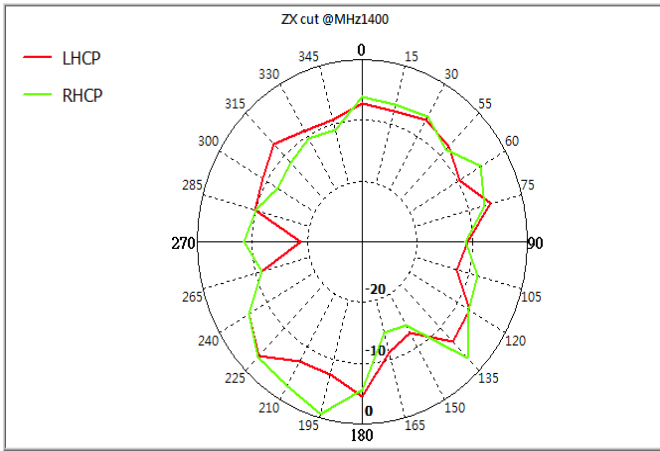
3D Total

Frequency (MHz)	Upper Hem. PRP (dBm)	Lower HEM. PRP (dBm)	Efficiency (dB)	Efficiency (%)	Gain (dBi)	Tot. Rad.Pwr. (dBm)
1300 MHz	-7.51	-5.36	-3.29	46.85	0.74	-3.29
1350 MHz	-7.29	-5.06	-3.03	49.82	2.20	-3.03
1400 MHz	-8.37	-5.29	-3.55	44.15	1.91	-3.55
1450 MHz	-9.35	-6.19	-4.48	35.68	1.07	-4.48
1500 MHz	-8.25	-5.92	-3.92	40.55	1.47	-3.92
1550 MHz	-7.42	-5.80	-3.53	44.40	1.36	-3.53
1570 MHz	-6.85	-5.54	-3.14	48.56	1.44	-3.14
1600 MHz	-6.98	-5.72	-3.29	46.86	1.52	-3.29
1610 MHz	-7.13	-5.84	-3.43	45.42	1.27	-3.43
1620 MHz	-7.35	-6.03	-3.63	43.34	1.33	-3.63
1630 MHz	-7.49	-5.97	-3.65	43.13	1.27	-3.65
1650 MHz	-7.38	-5.90	-3.57	43.99	1.23	-3.57
1700 MHz	-7.29	-5.82	-3.49	44.81	0.75	-3.49
1750 MHz	-6.94	-6.07	-3.47	44.97	0.45	-3.47
1800 MHz	-7.06	-6.49	-3.75	42.14	-0.64	-3.75
1850 MHz	-6.65	-5.77	-3.18	48.13	0.26	-3.18
1900 MHz	-6.52	-6.21	-3.35	46.23	0.62	-3.35
1950 MHz	-5.86	-5.94	-2.89	51.41	0.58	-2.89
2000 MHz	-6.07	-6.15	-3.10	48.98	0.46	-3.10
2050 MHz	-6.54	-6.19	-3.35	46.21	0.20	-3.35
2100 MHz	-6.48	-5.58	-3.00	50.15	1.26	-3.00
2150 MHz	-7.06	-5.79	-3.37	46.06	2.05	-3.37
2200 MHz	-6.73	-4.98	-2.76	52.97	3.19	-2.76
2250 MHz	-7.73	-5.28	-3.32	46.57	2.92	-3.32
2300 MHz	-8.09	-4.64	-3.02	49.89	3.90	-3.02
2350 MHz	-7.91	-4.12	-2.61	54.87	3.76	-2.61
2400 MHz	-8.03	-4.66	-3.01	49.98	2.72	-3.01
2450 MHz	-7.73	-4.82	-3.02	49.85	2.78	-3.02
2500 MHz	-7.76	-4.59	-2.88	51.51	2.75	-2.88
2550 MHz	-7.18	-4.09	-2.36	58.08	3.70	-2.36
2600 MHz	-6.74	-3.96	-2.12	61.37	3.51	-2.12
2650 MHz	-6.76	-3.39	-1.75	66.86	4.44	-1.75
2700 MHz	-7.51	-4.64	-2.83	52.07	3.59	-2.83
2800 MHz	-9.35	-6.59	-4.75	33.52	0.70	-4.75
2900 MHz	-6.01	-3.91	-1.82	65.75	3.94	-1.82
3000 MHz	-5.91	-4.13	-1.92	64.32	3.00	-1.92
3100 MHz	-6.44	-4.30	-2.23	59.84	2.66	-2.23
3200 MHz	-8.55	-4.83	-3.29	46.88	2.06	-3.29
3300 MHz	-8.71	-3.82	-2.60	55.00	3.28	-2.60

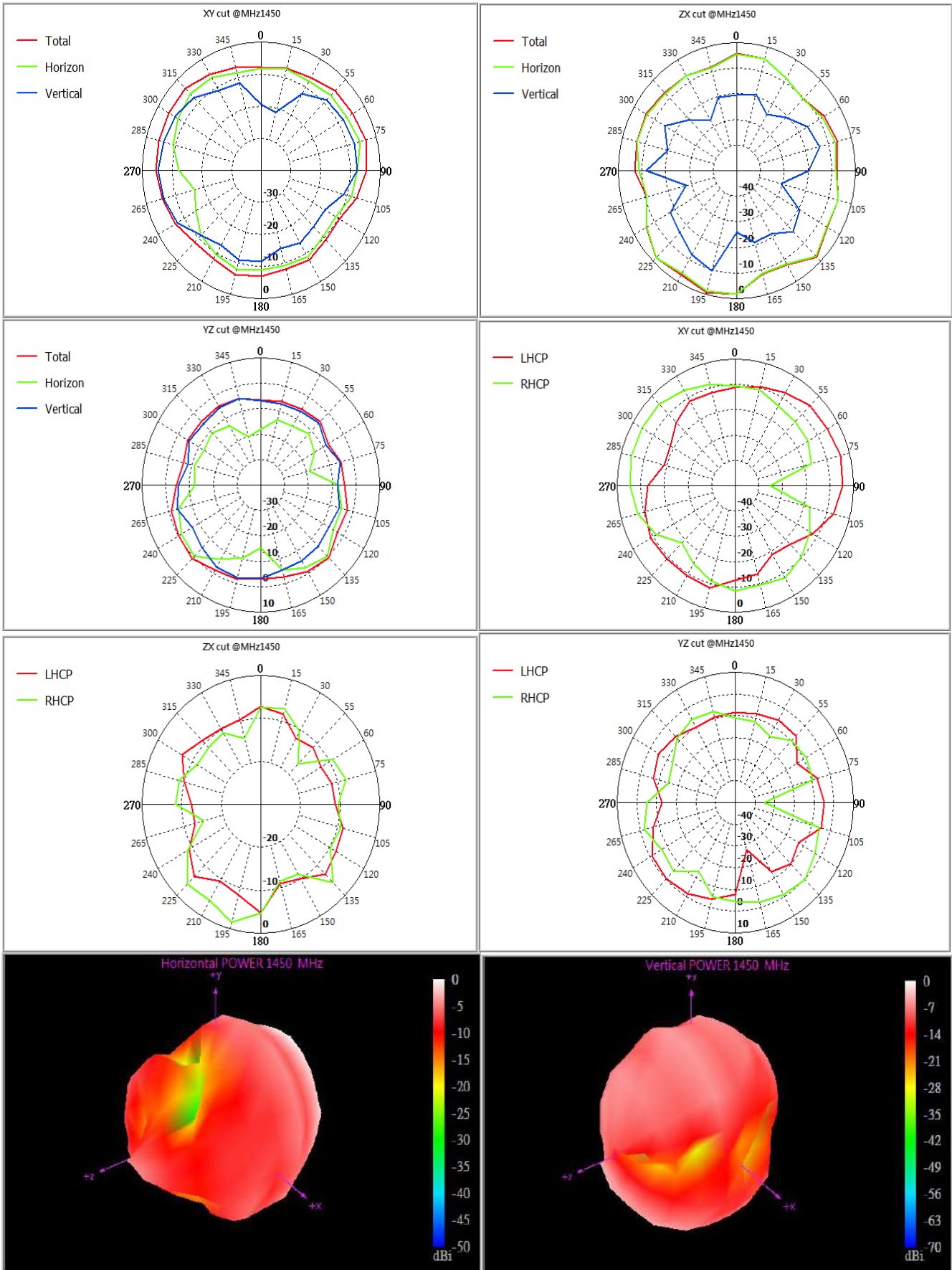
3400 MHz	-8.78	-5.03	-3.51	44.62	2.11	-3.51
3500 MHz	-6.28	-3.72	-1.81	65.98	3.21	-1.81
3600 MHz	-6.66	-5.17	-2.84	52.01	1.91	-2.84
3700 MHz	-6.06	-5.27	-2.64	54.48	2.84	-2.64
3800 MHz	-6.51	-6.53	-3.51	44.57	1.21	-3.51
3900 MHz	-6.04	-6.43	-3.22	47.66	1.62	-3.22
4000 MHz	-2.32	-2.96	-3.38	45.92	4.52	-3.38
4100 MHz	-3.94	-4.80	-2.34	58.34	2.57	-1.34
4200 MHz	-4.62	-5.84	-2.18	60.58	1.78	-2.18
4300 MHz	-2.15	-3.68	-3.16	48.34	4.90	-3.16
4400 MHz	-4.83	-7.08	-2.80	52.48	1.29	-2.80
4500 MHz	-6.63	-9.36	-4.77	33.34	-0.30	-4.77

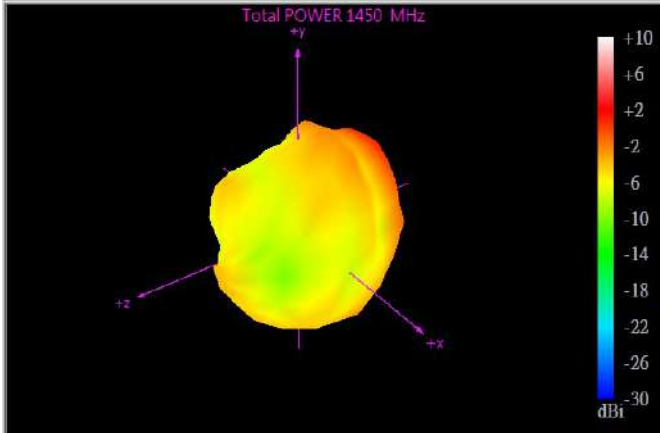
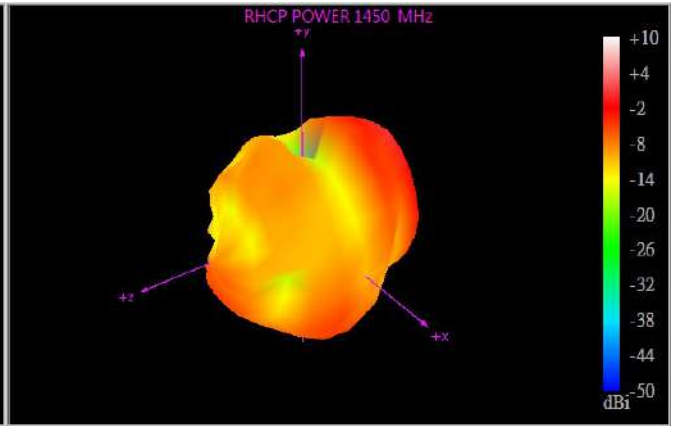
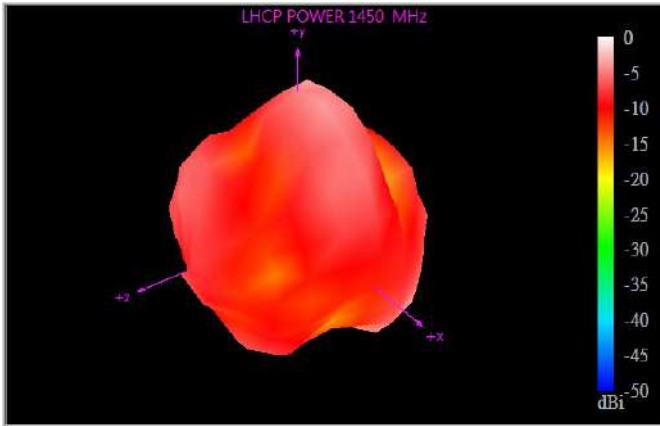
1400Mhz:



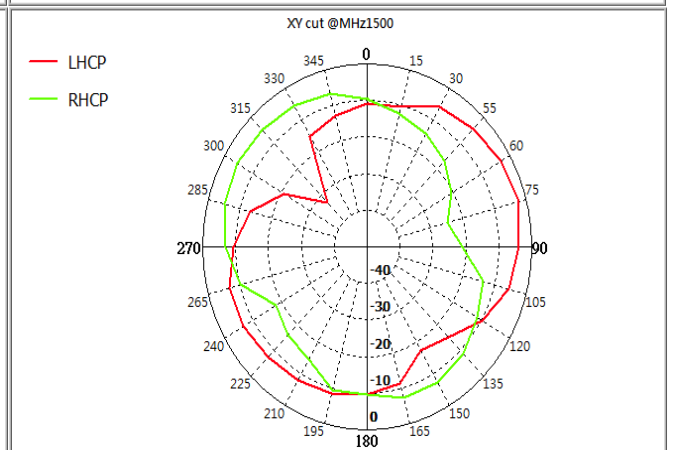
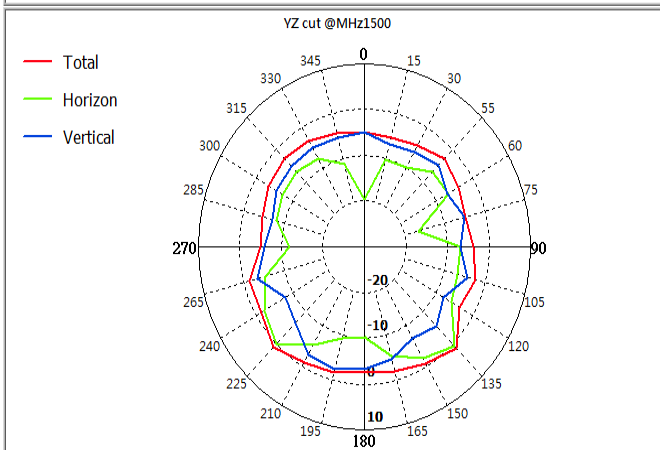
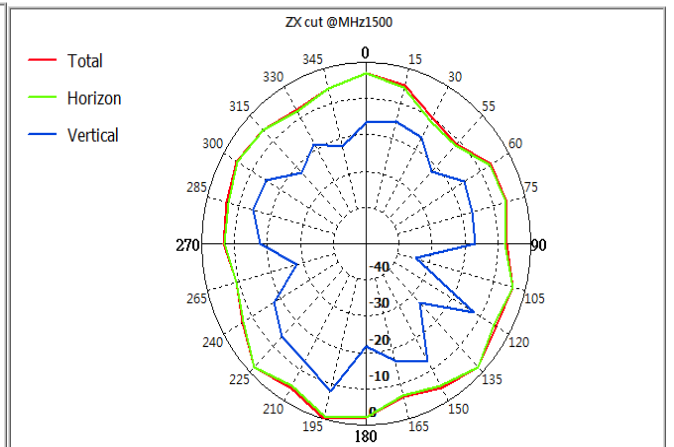
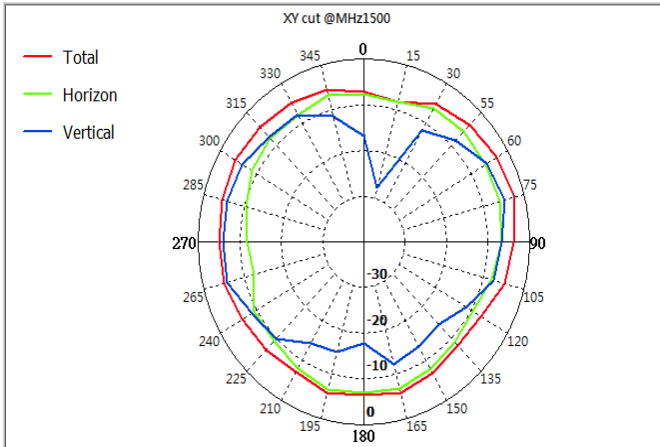


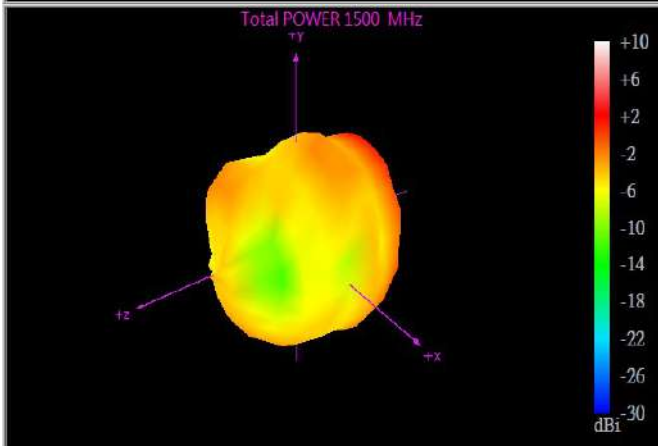
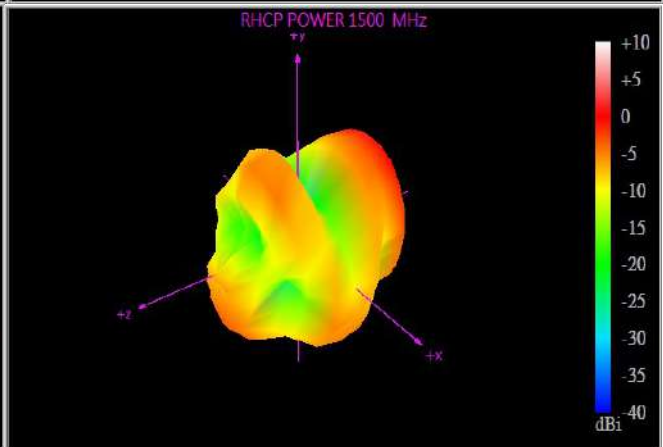
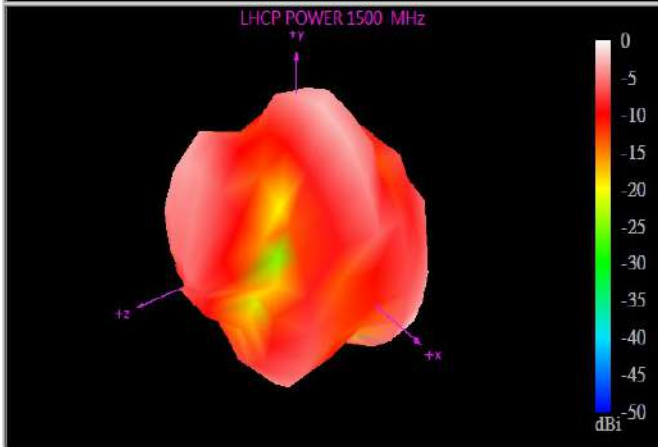
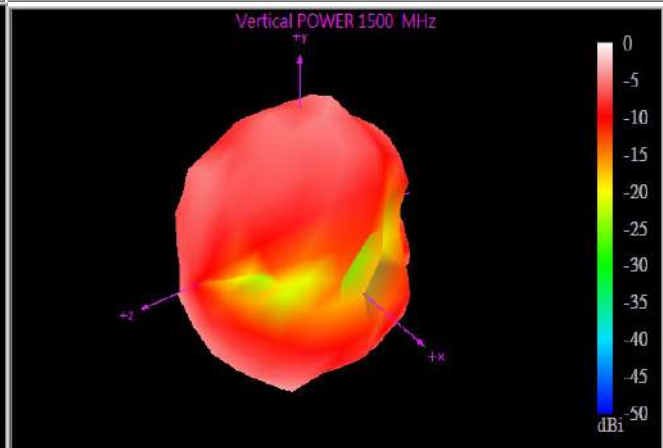
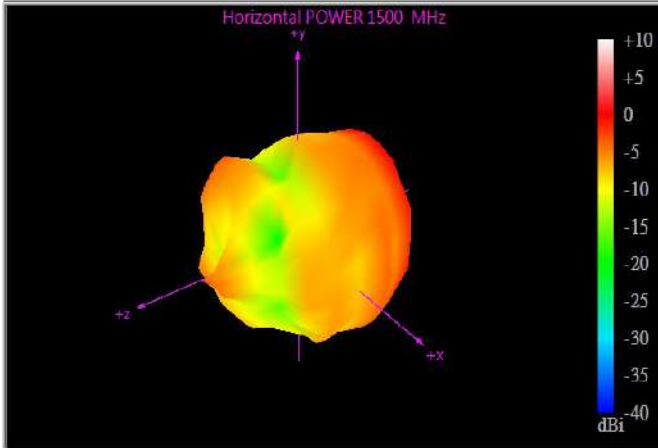
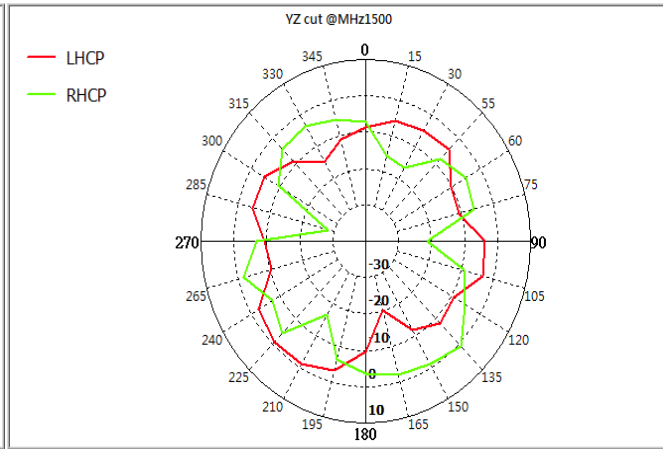
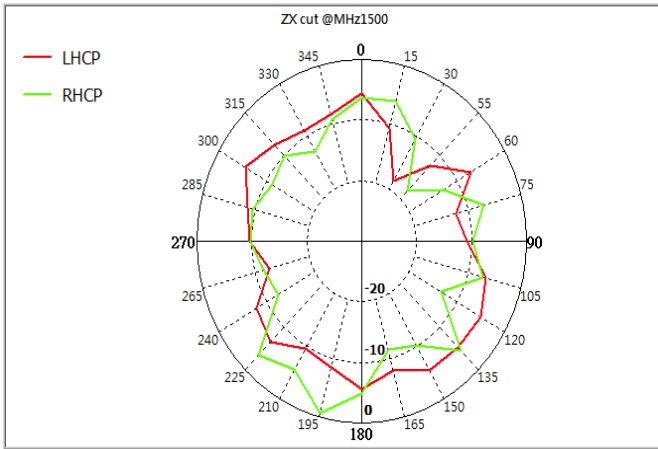
1450Mhz:



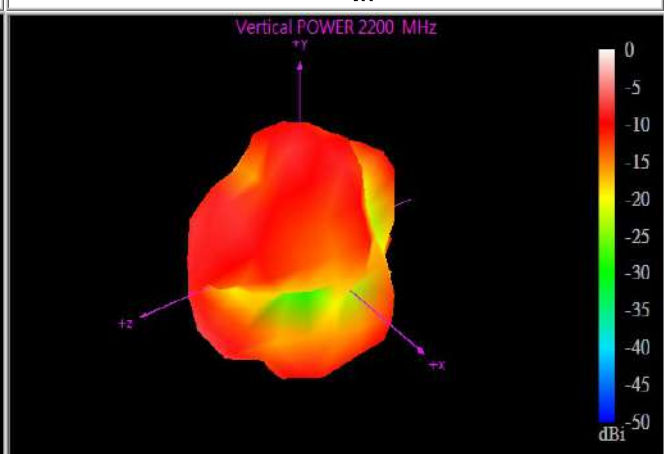
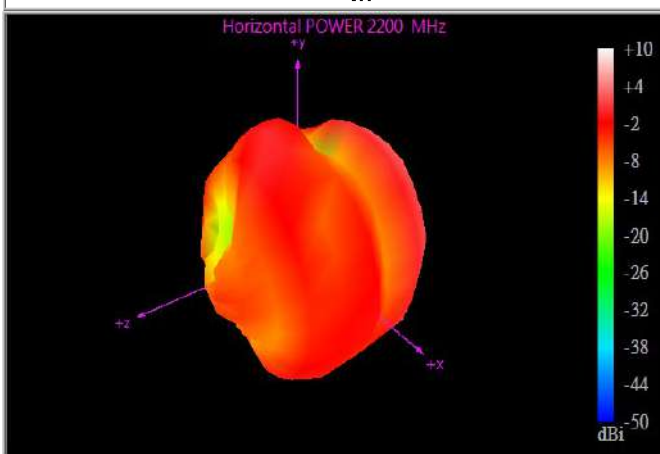
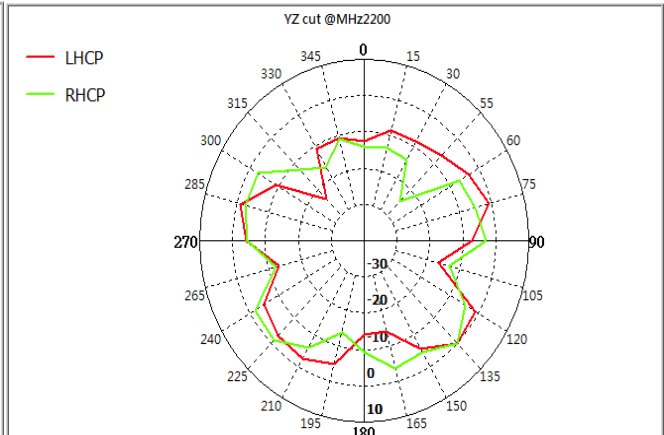
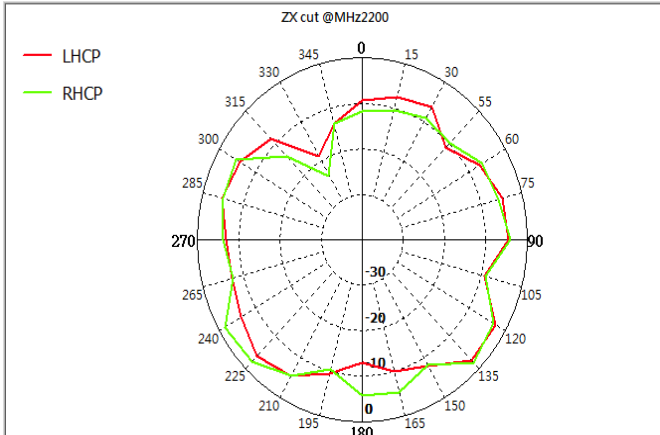
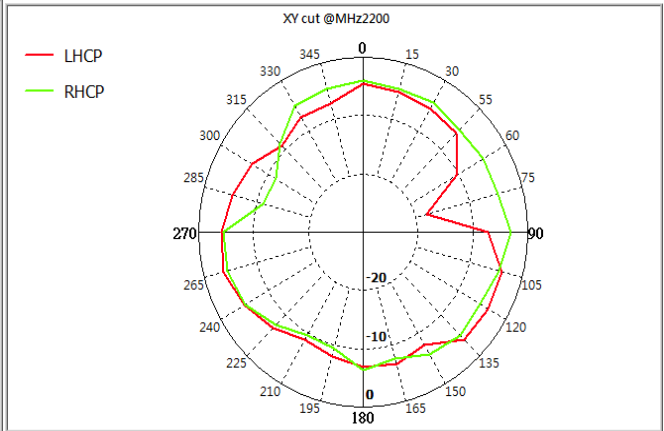
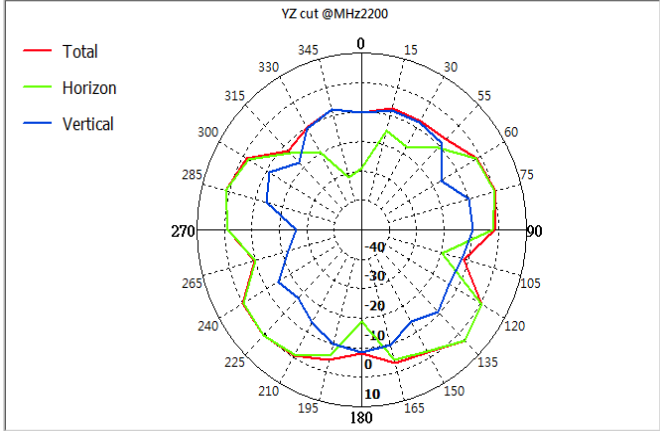
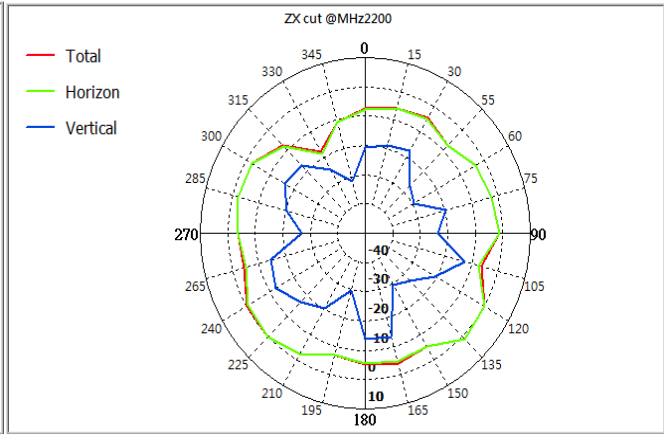
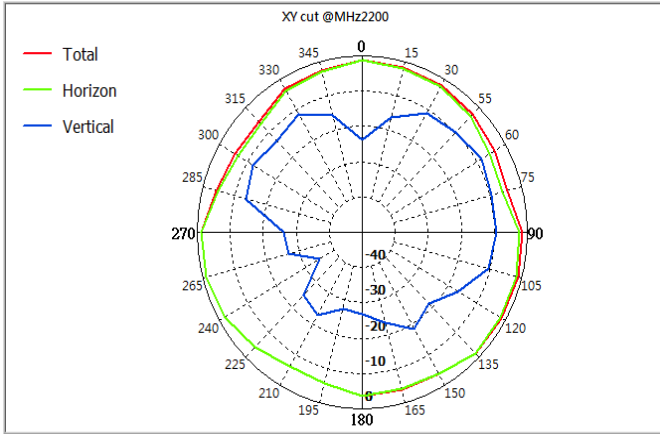


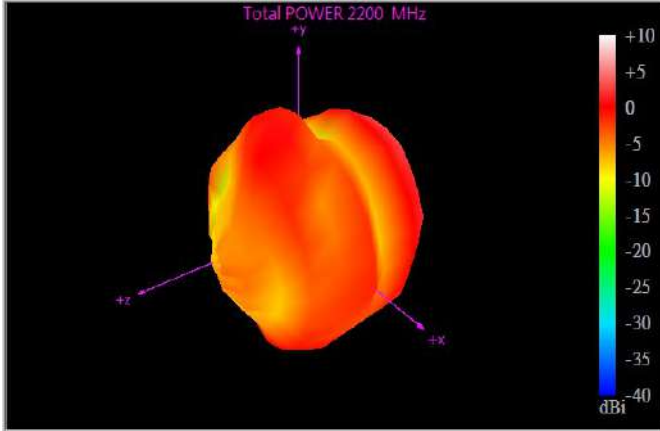
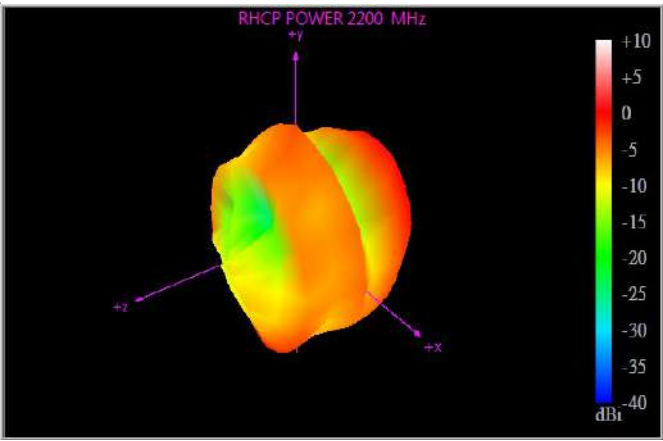
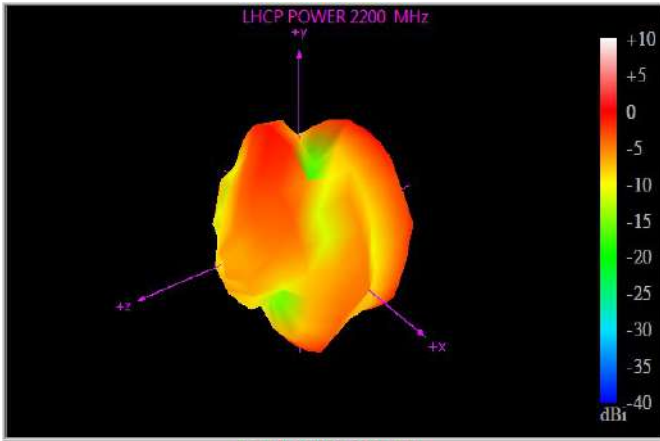
1500MHz:



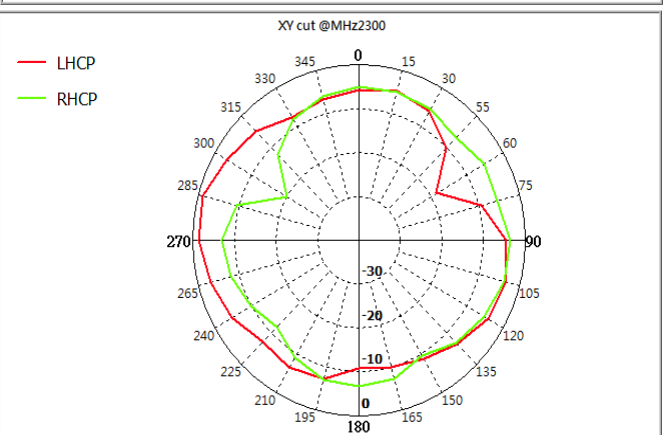
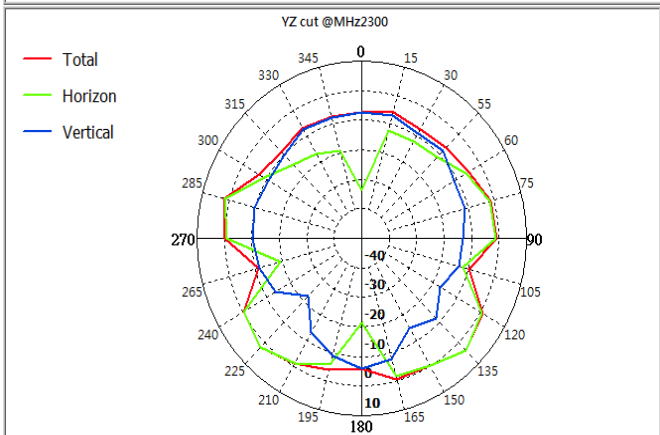
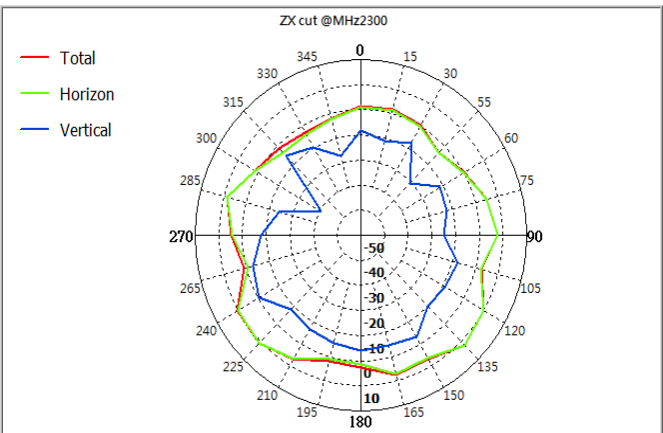
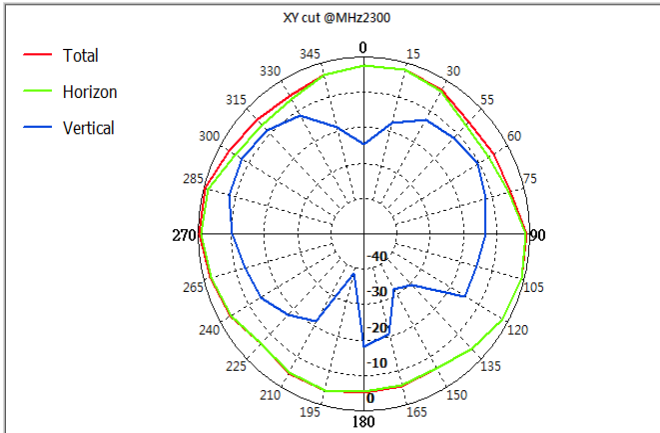


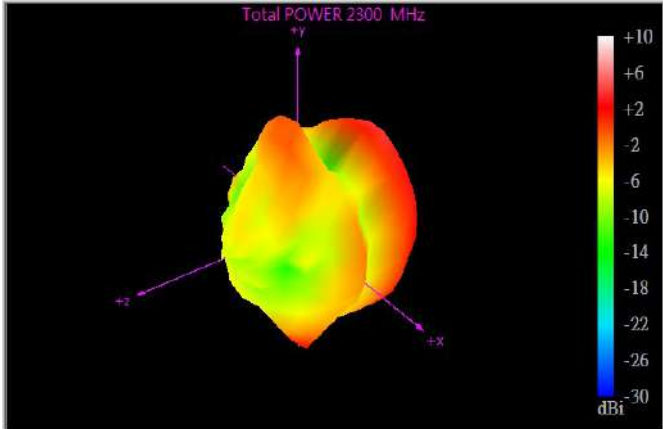
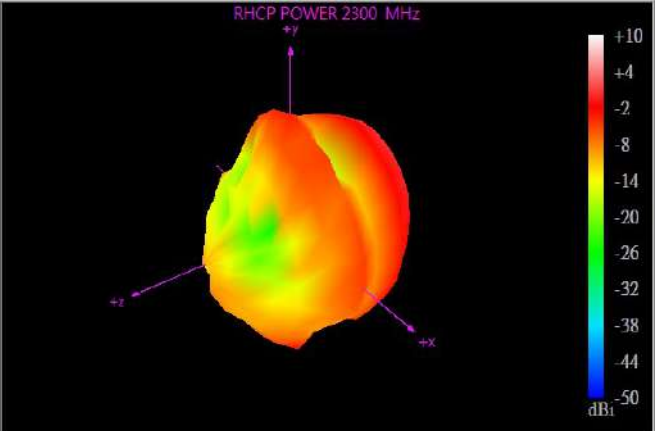
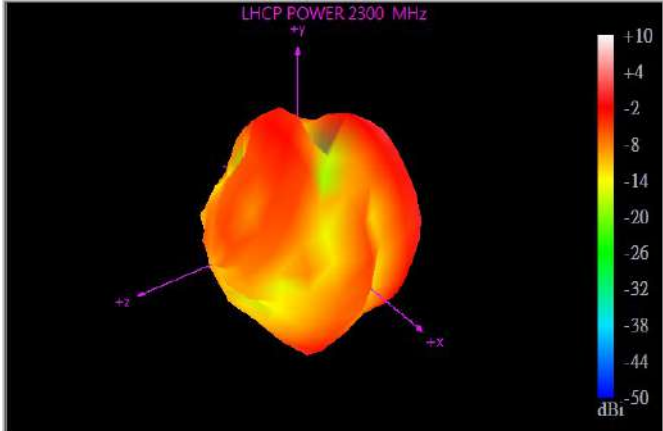
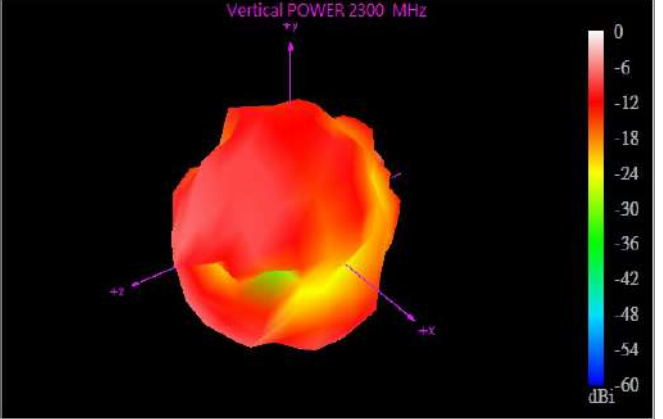
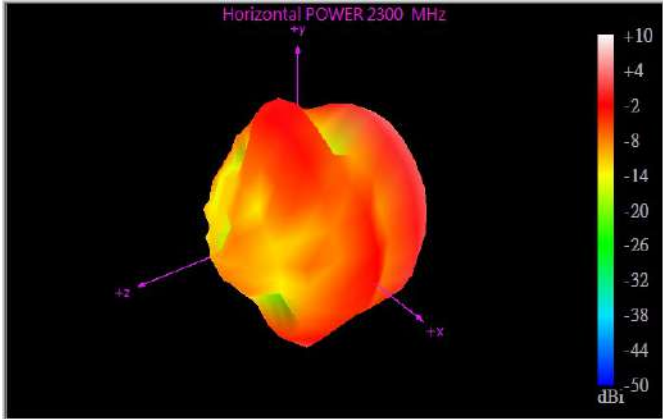
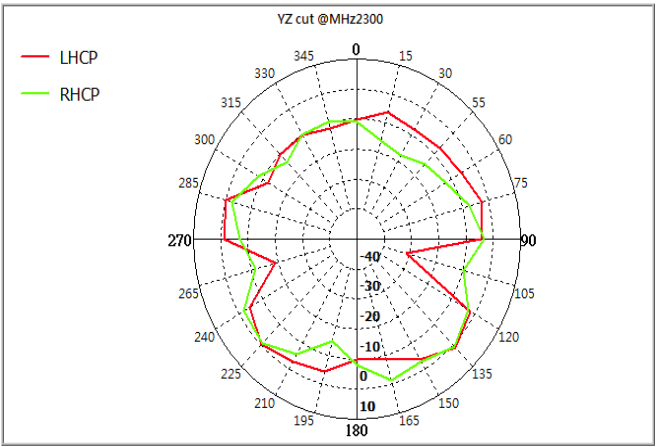
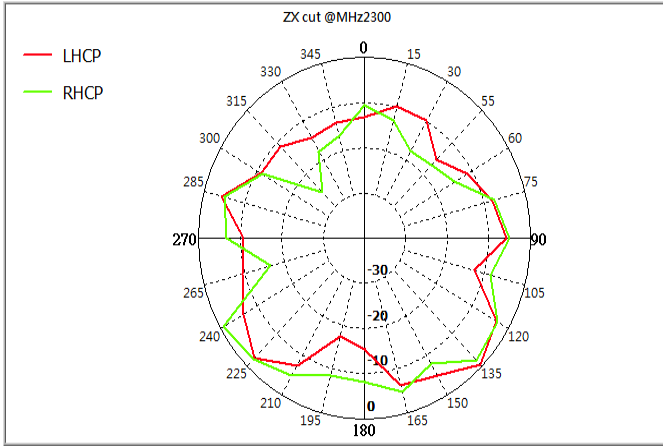
2200Mhz:



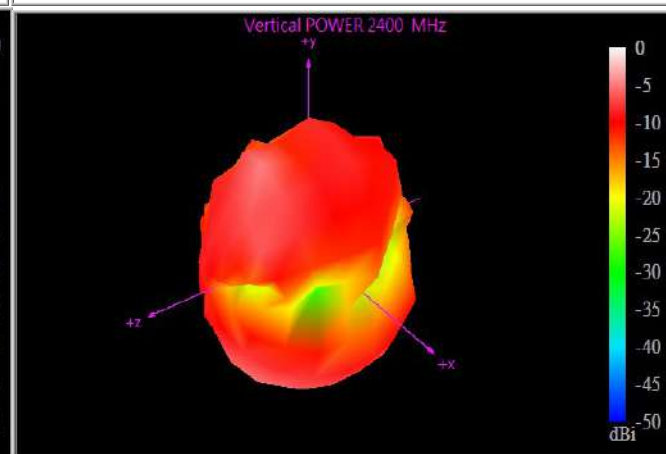
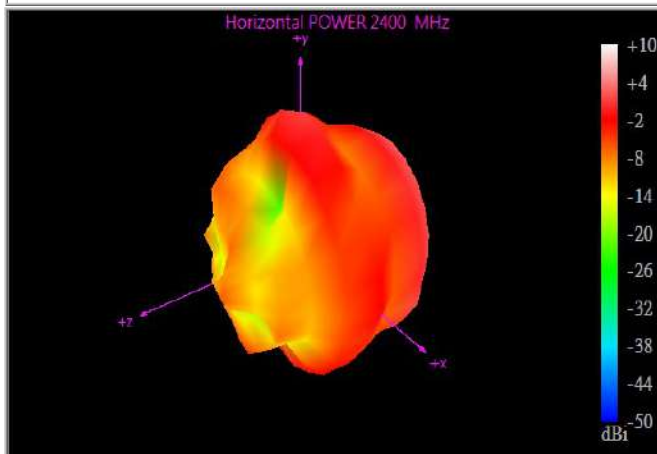
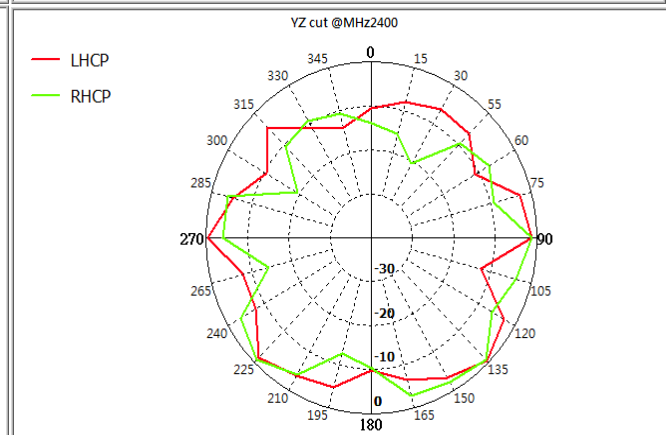
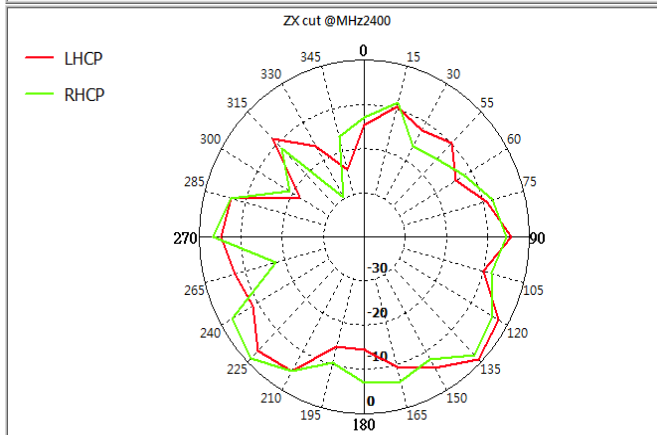
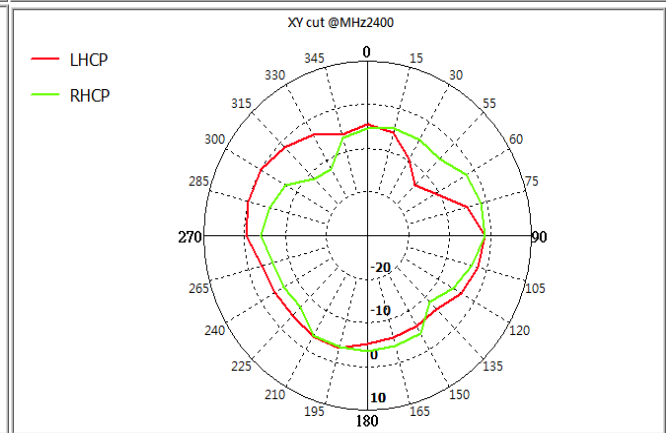
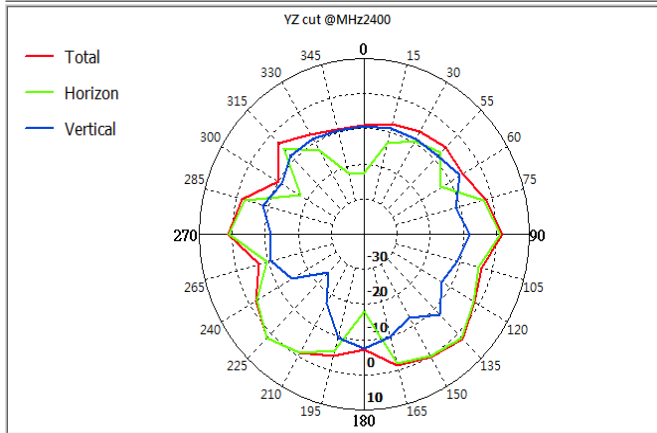
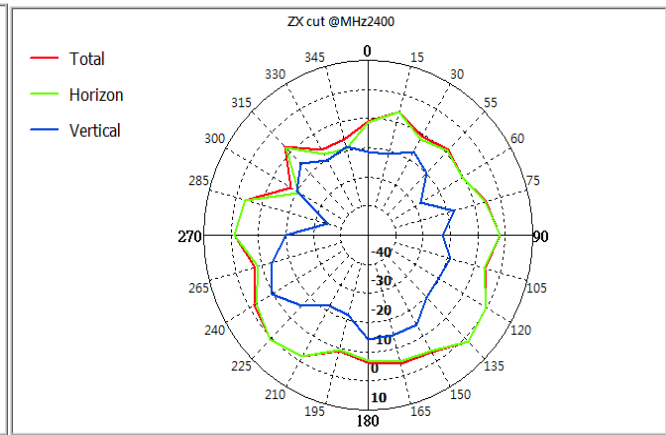
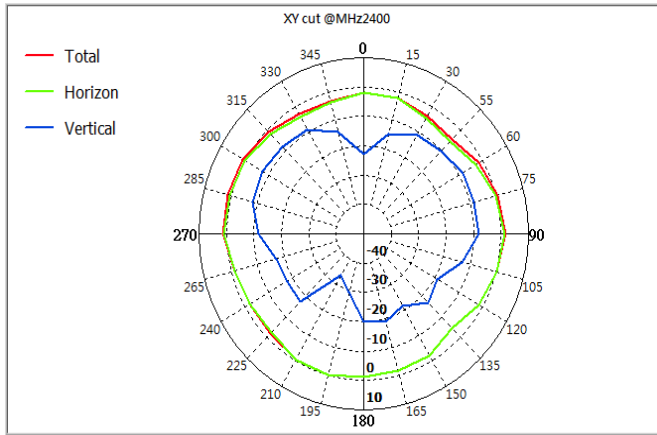


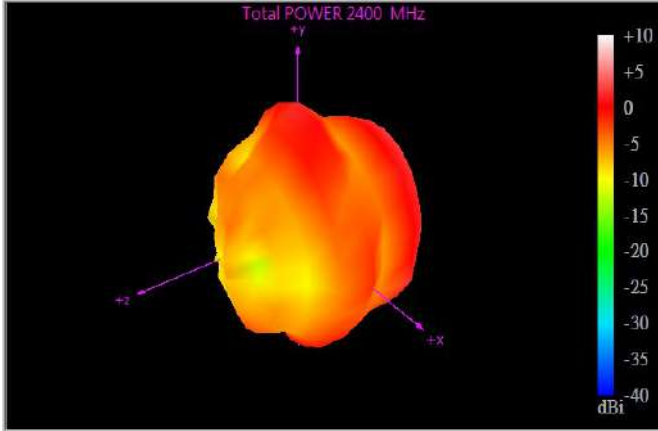
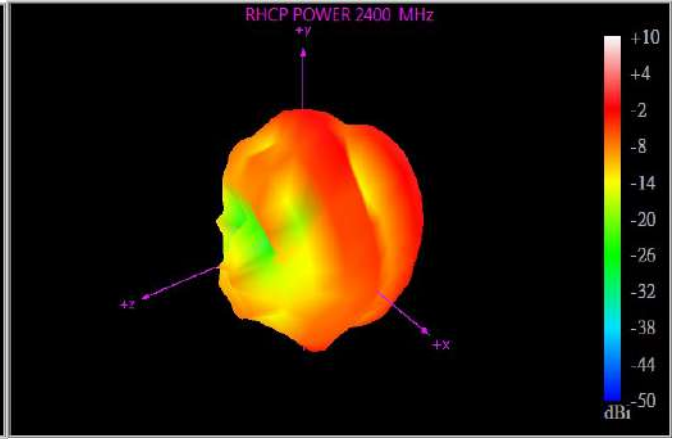
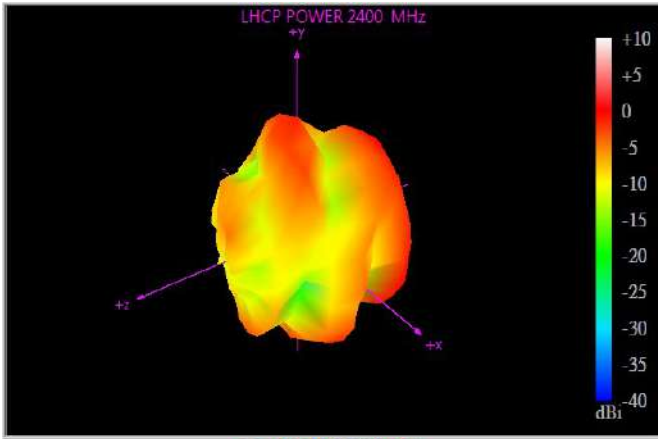
2300MHz:



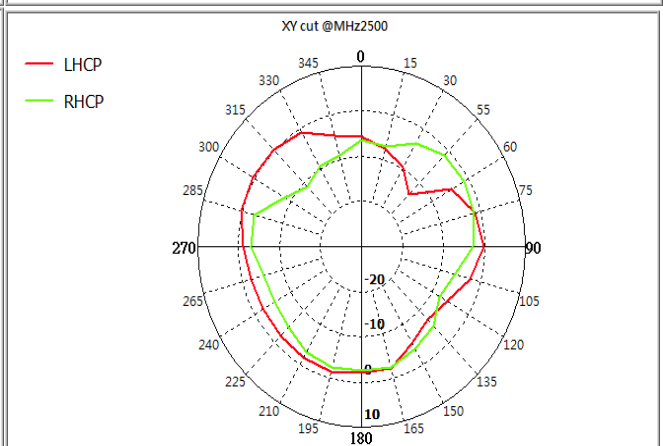
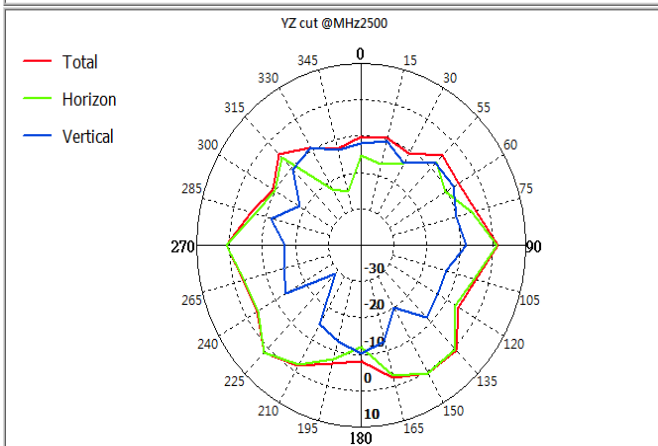
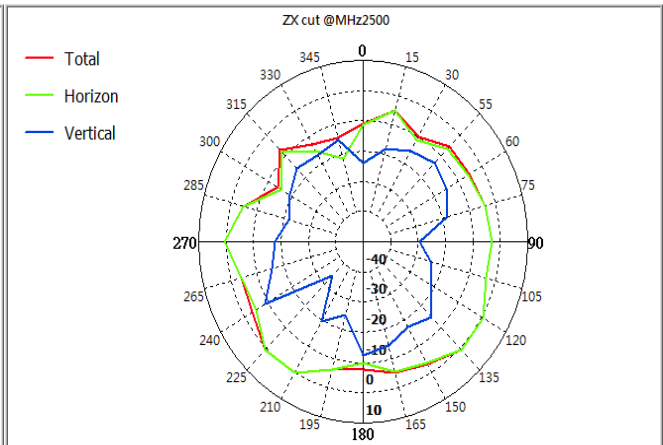
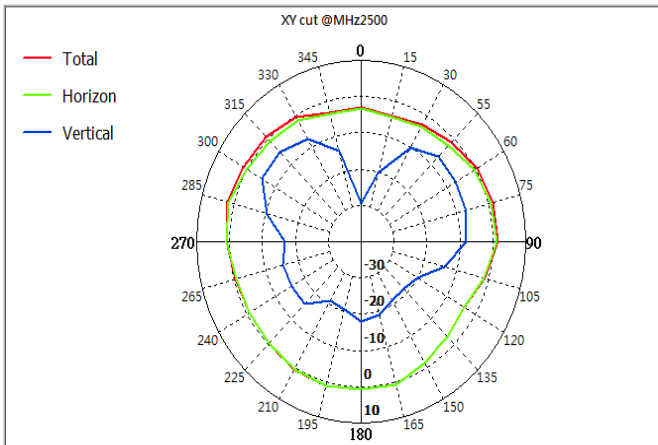


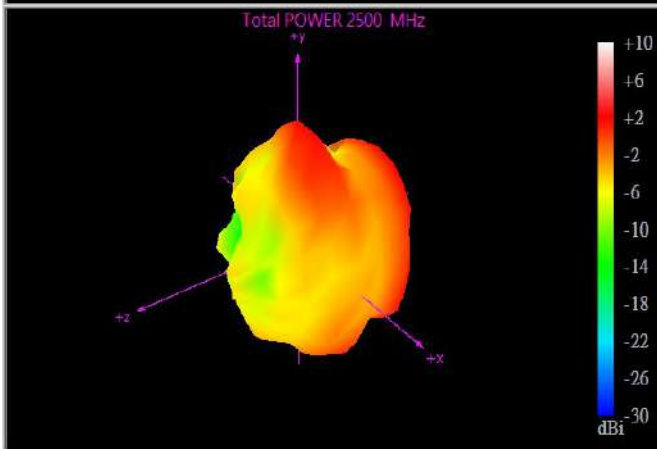
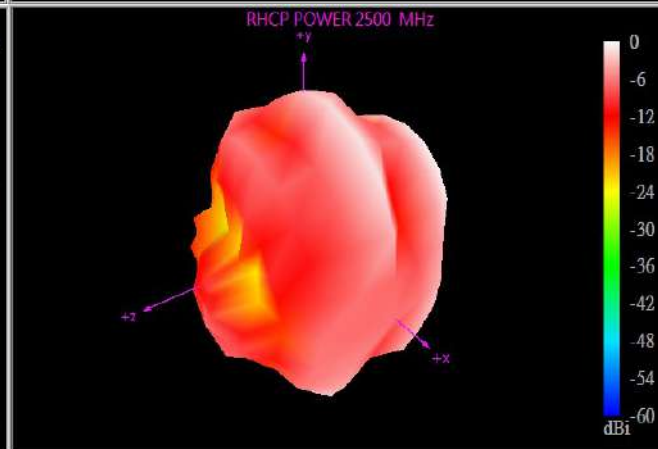
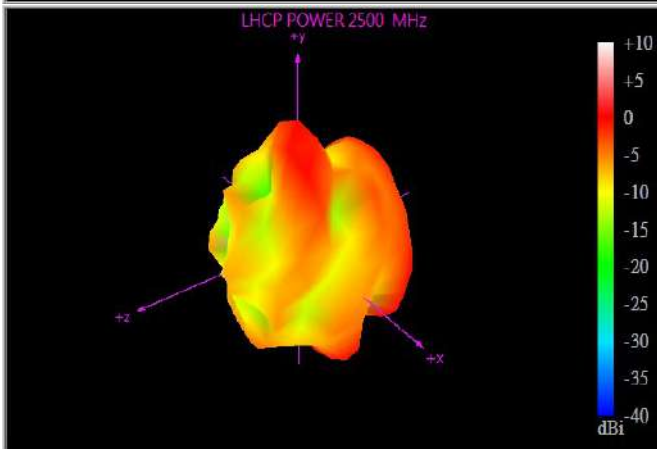
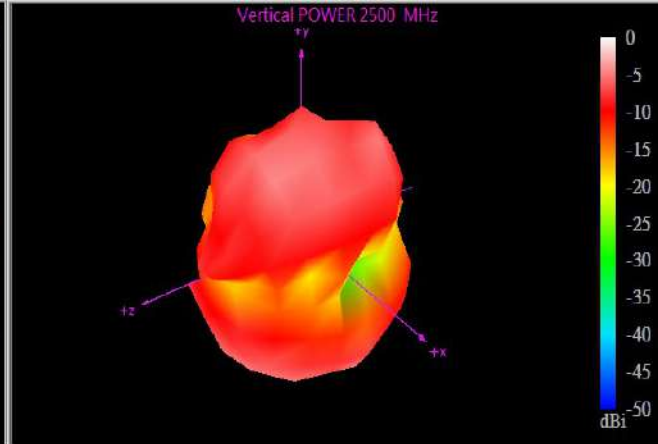
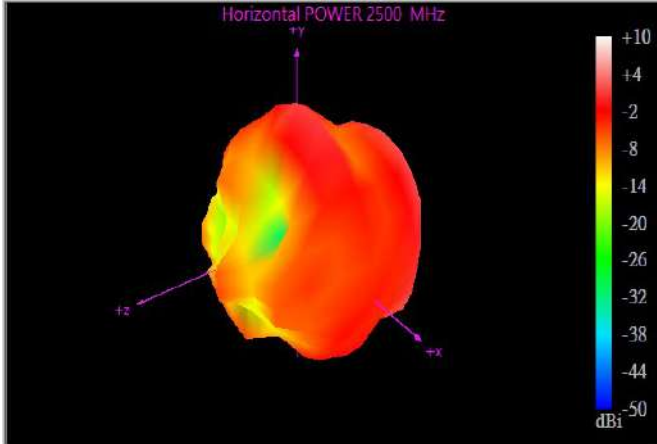
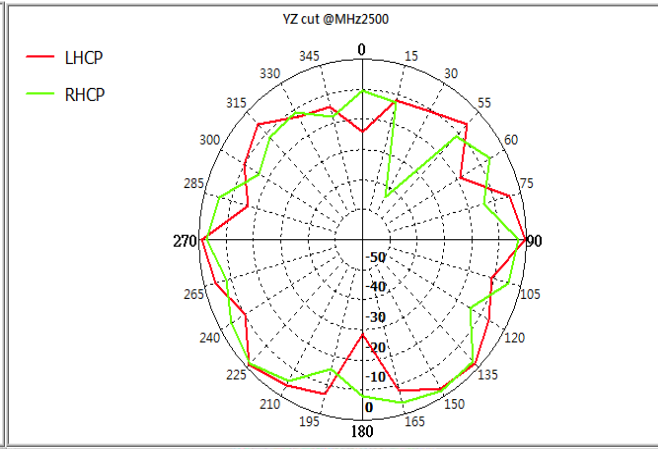
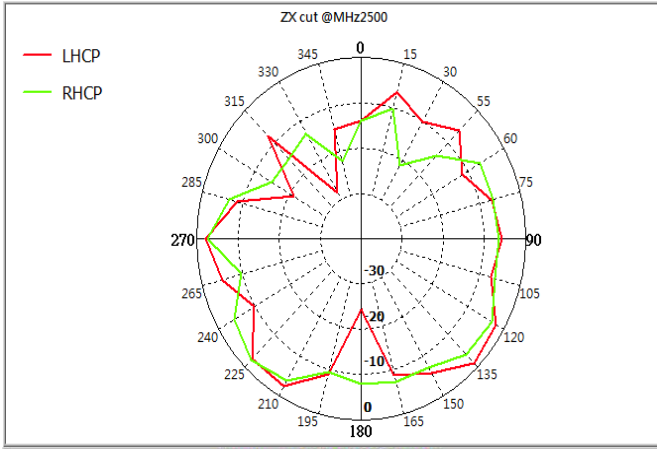
2400Mhz:



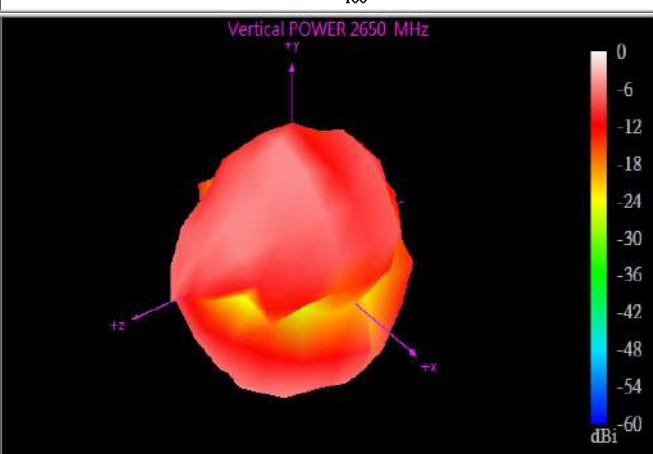
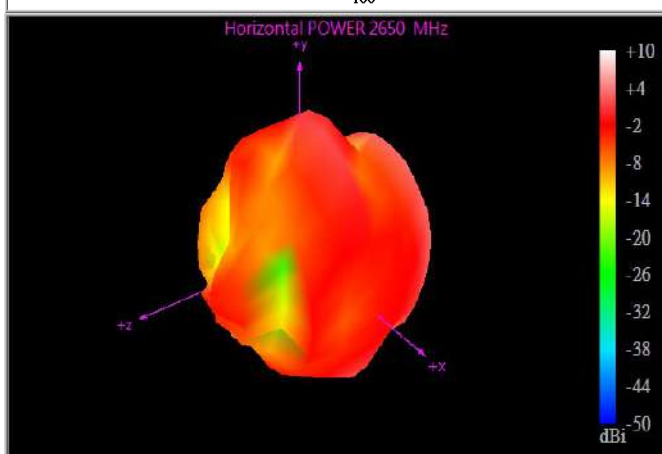
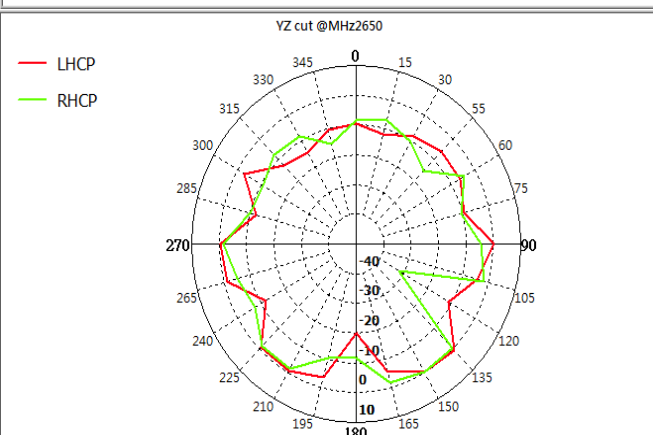
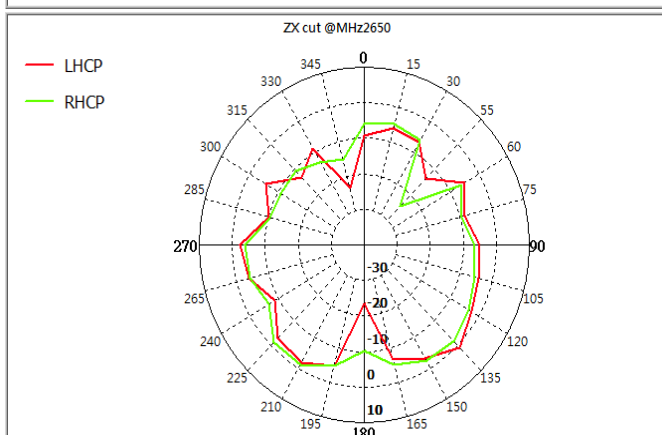
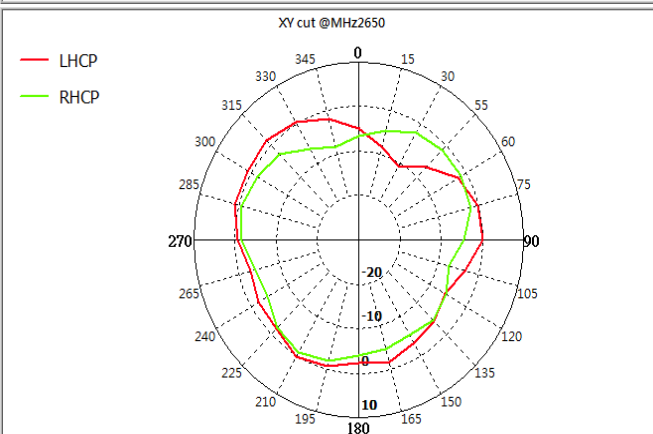
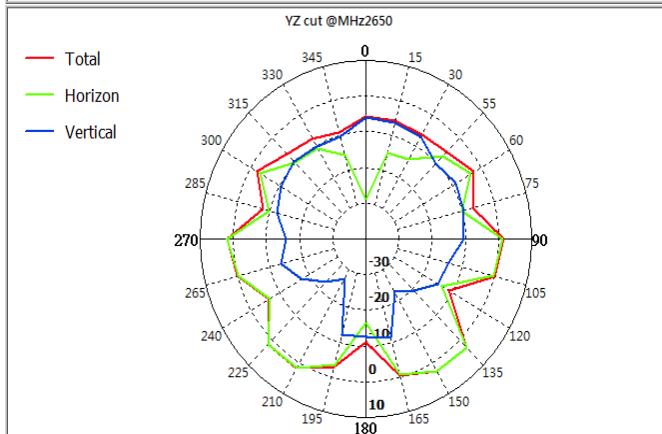
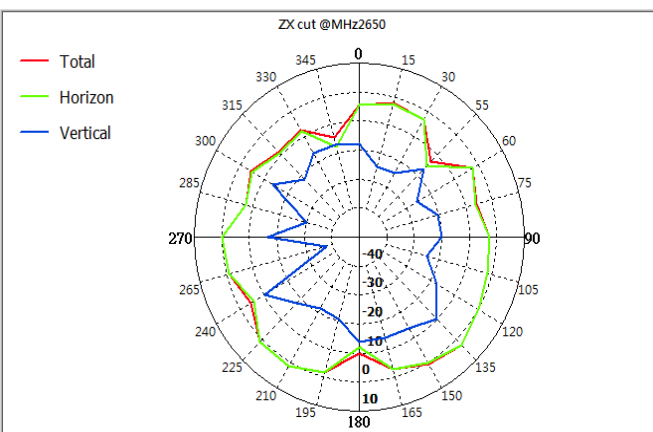
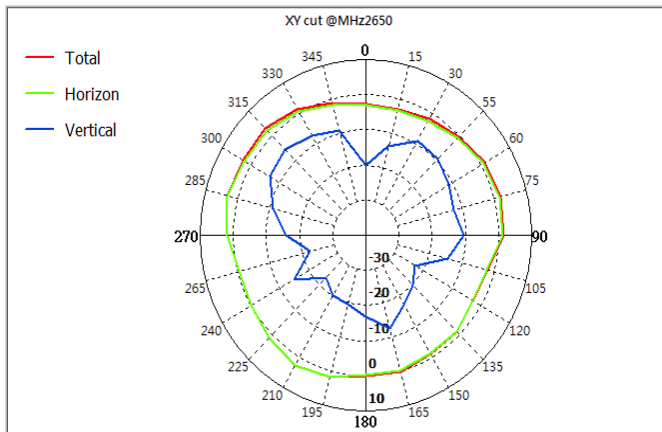


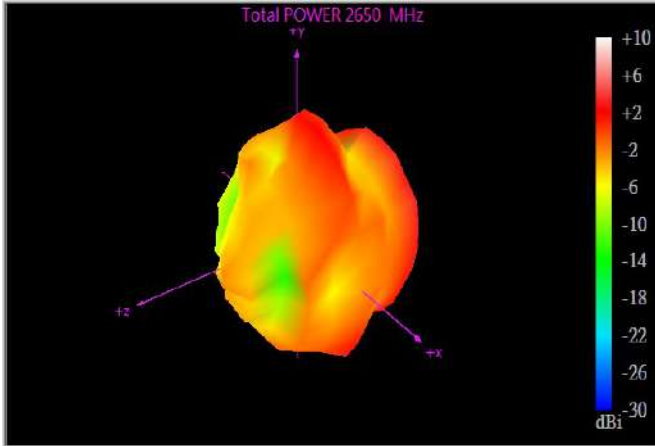
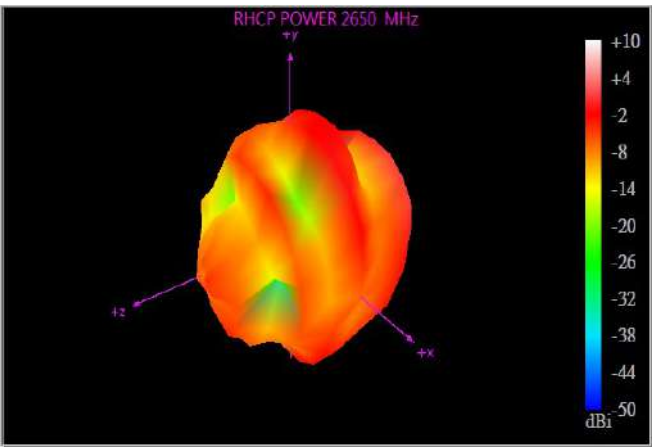
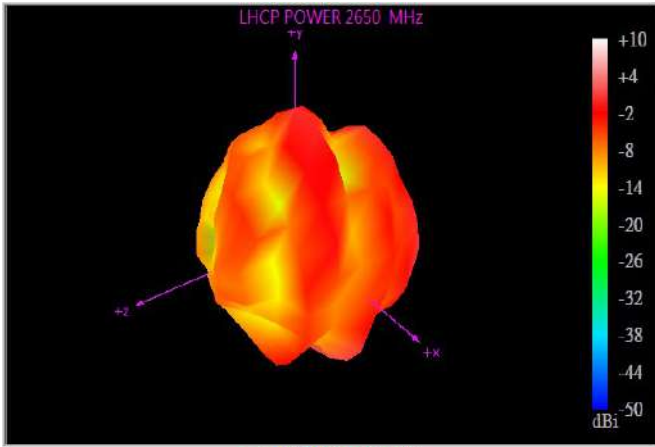
2500MHz:



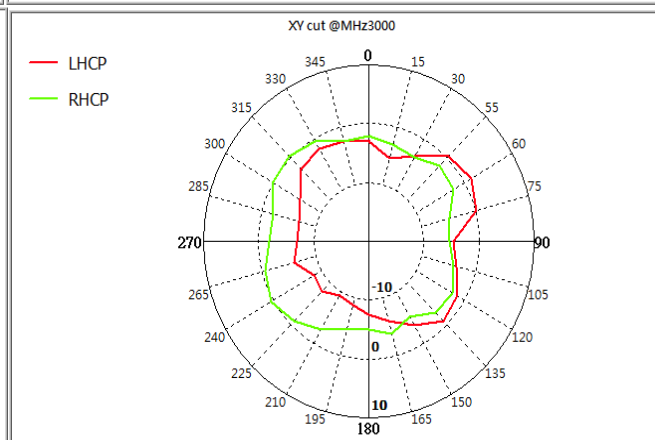
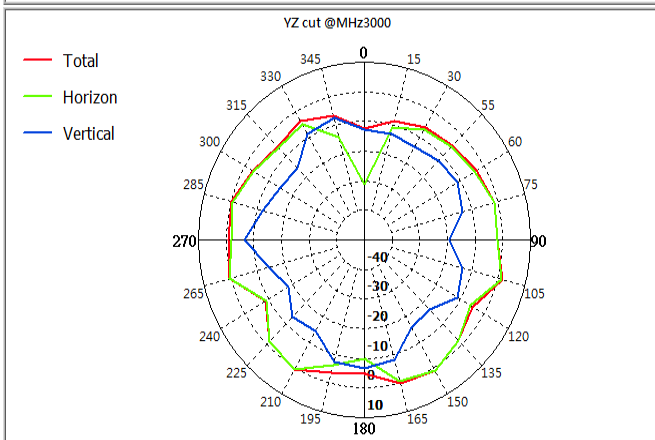
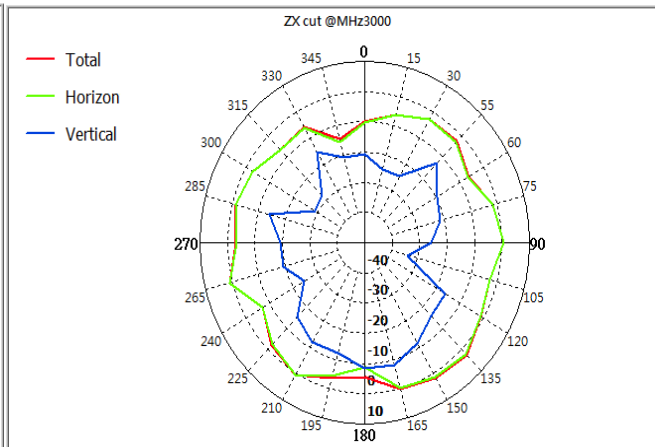
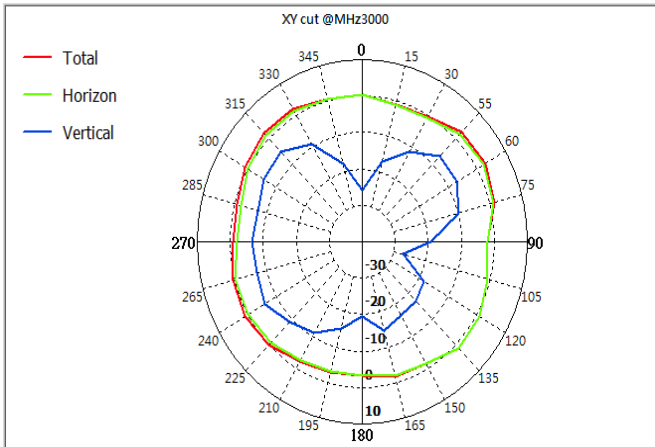


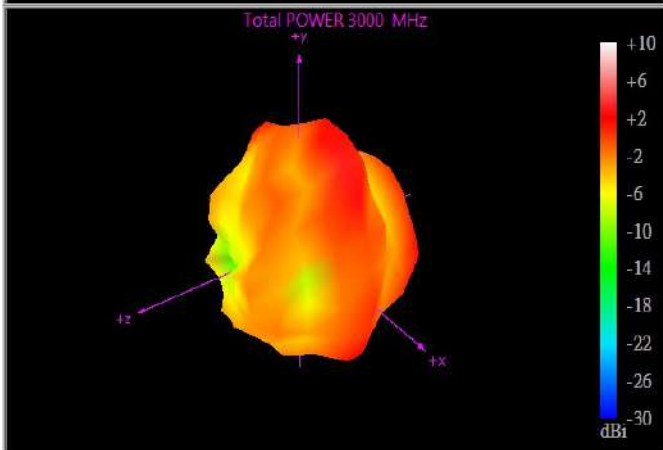
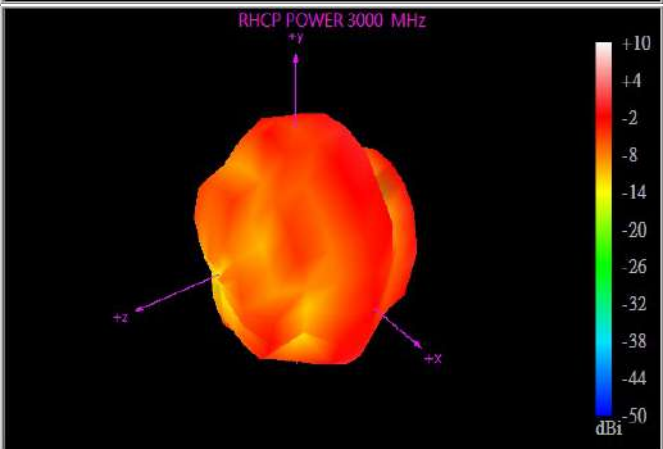
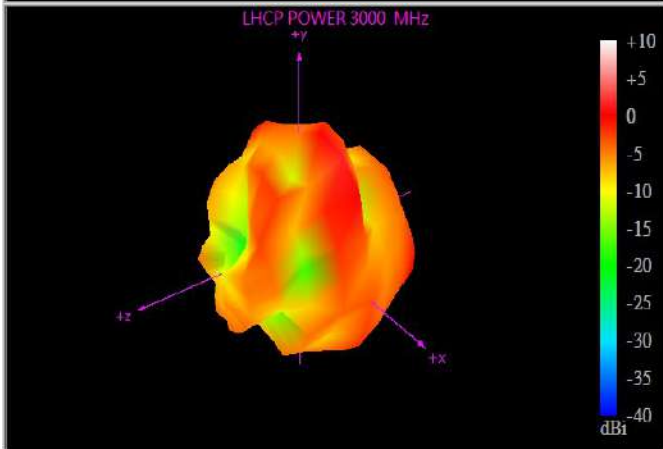
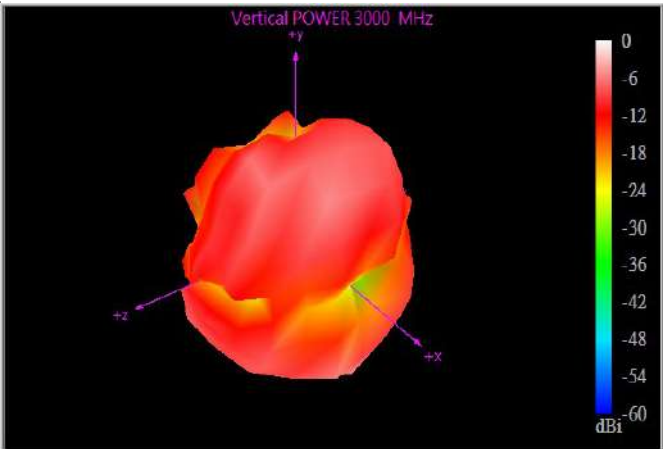
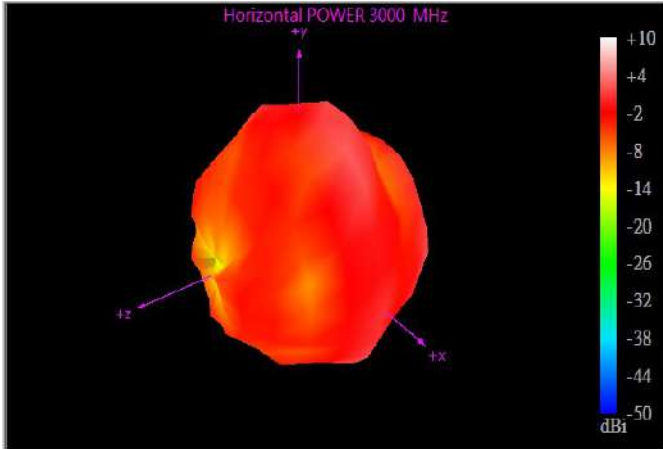
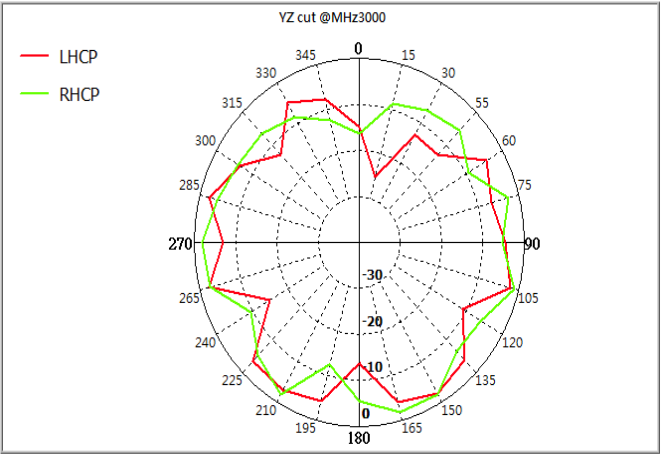
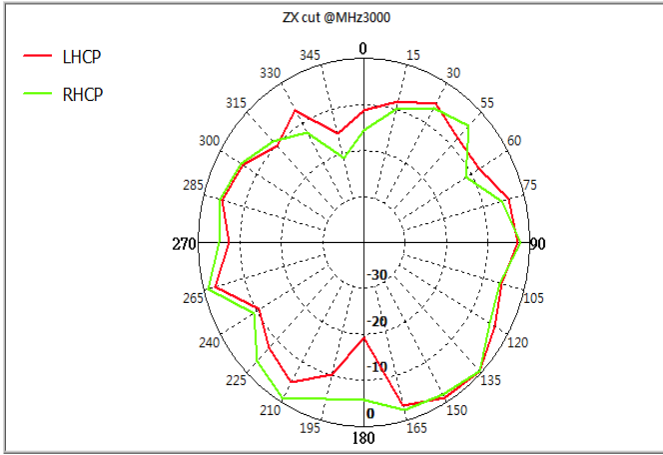
2650Mhz:



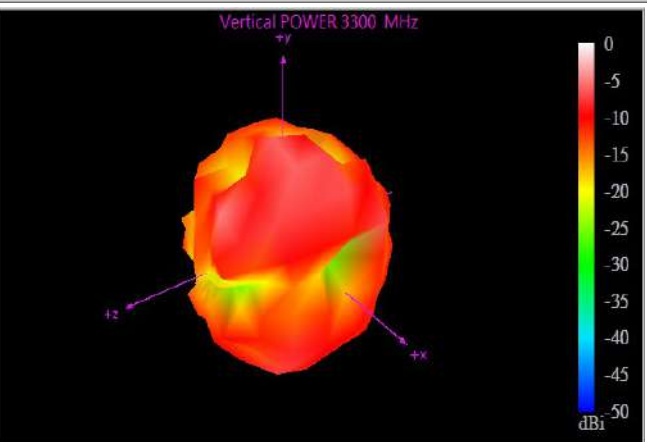
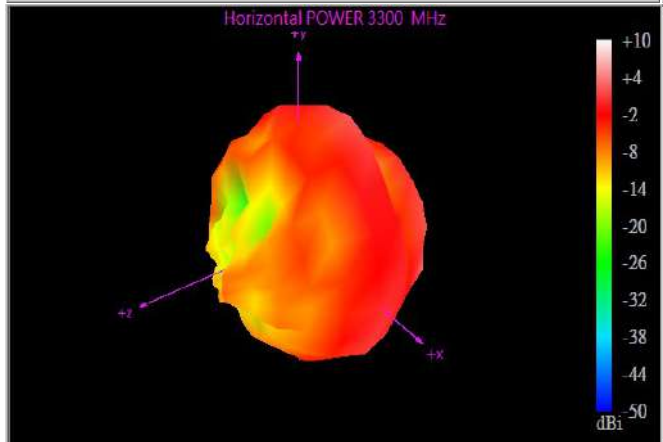
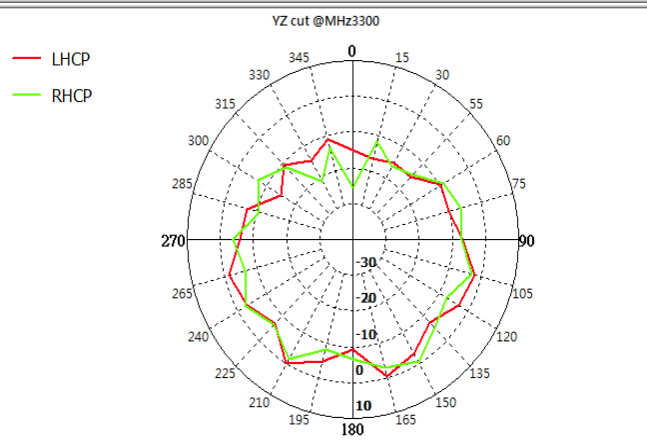
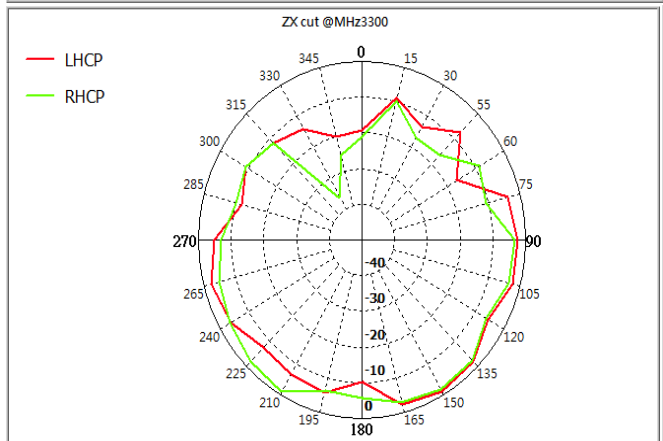
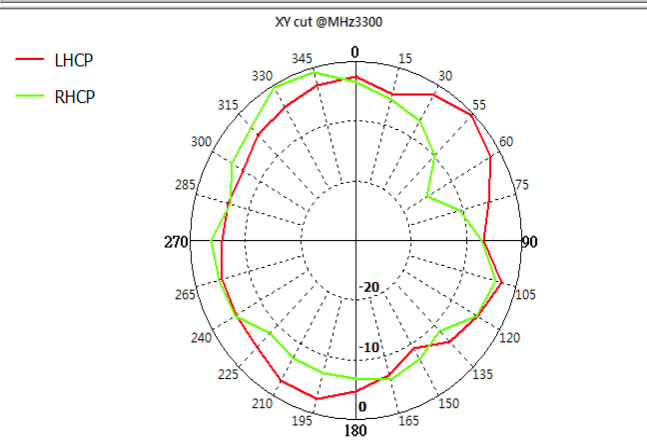
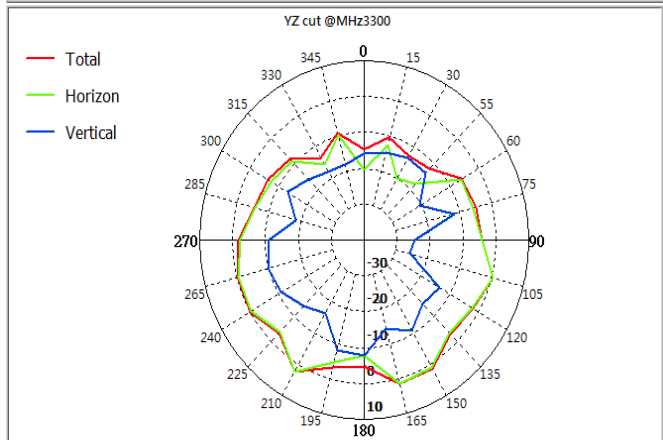
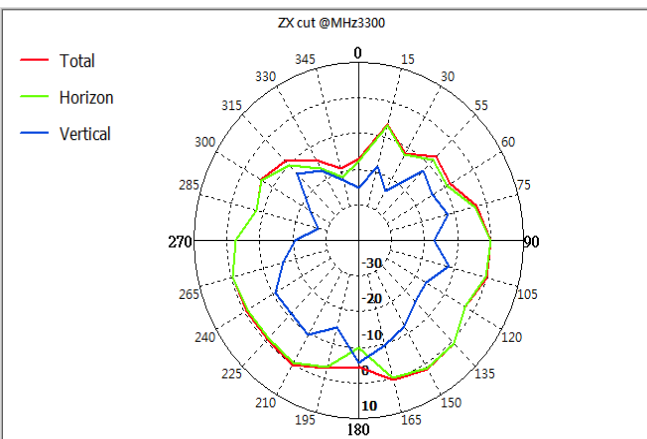
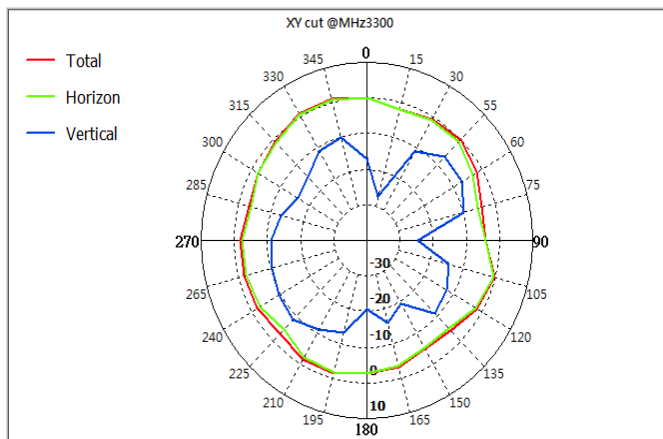


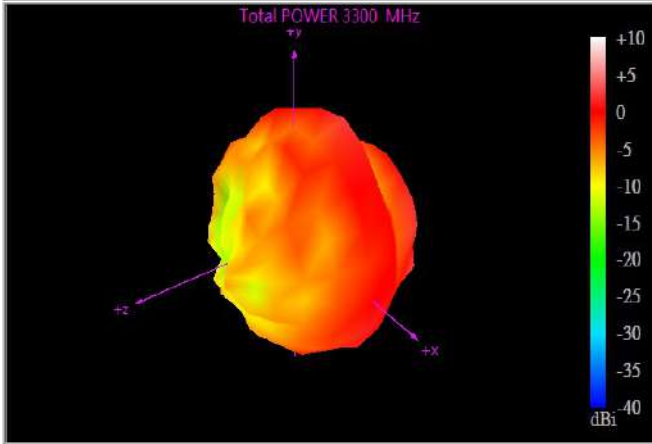
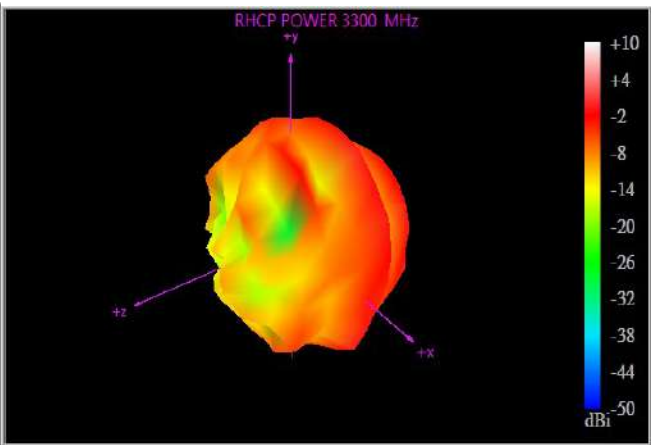
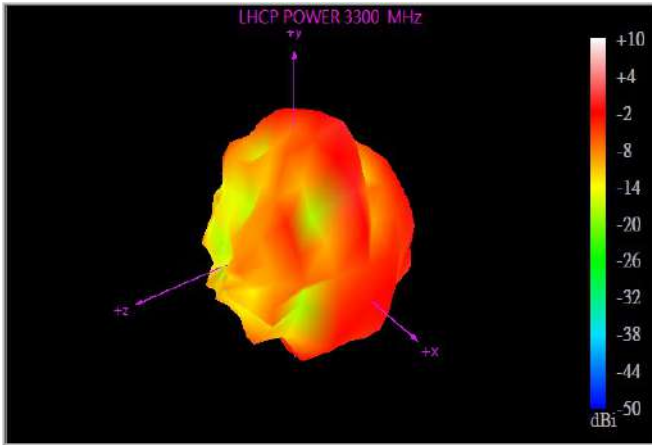
3000MHz:



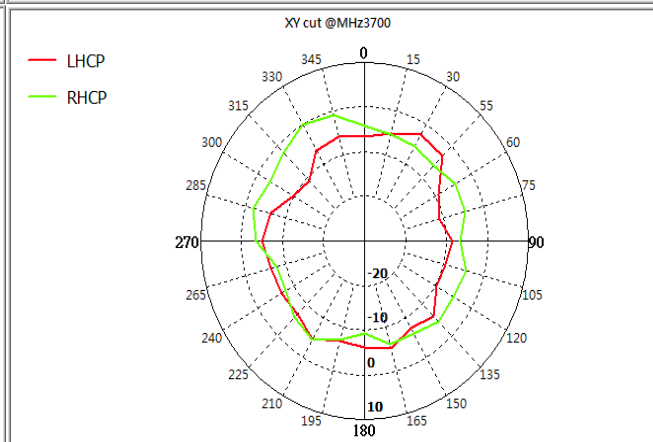
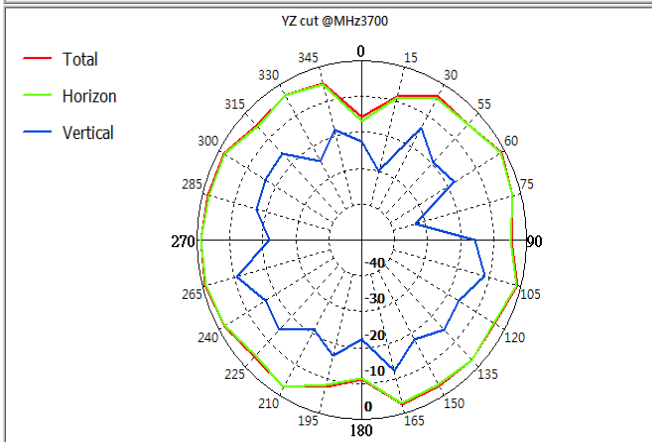
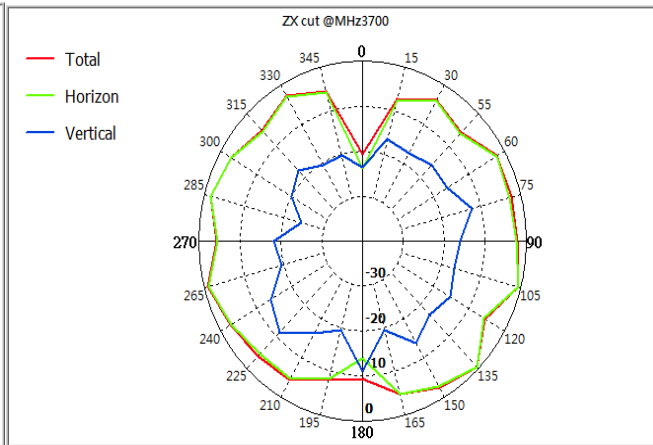
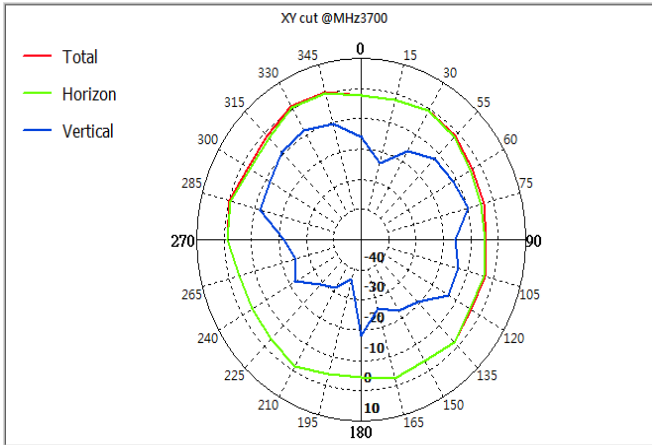


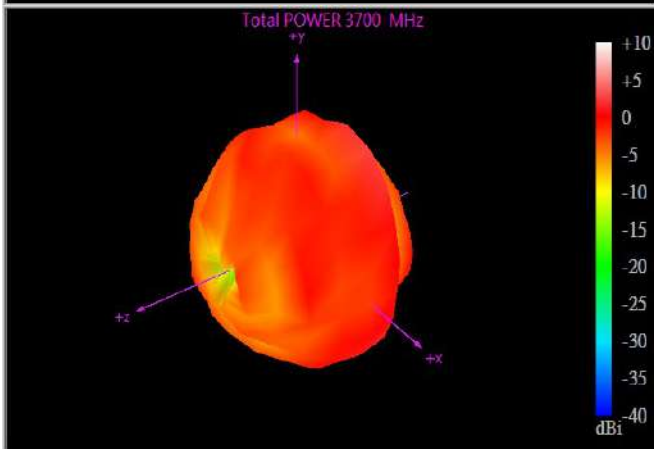
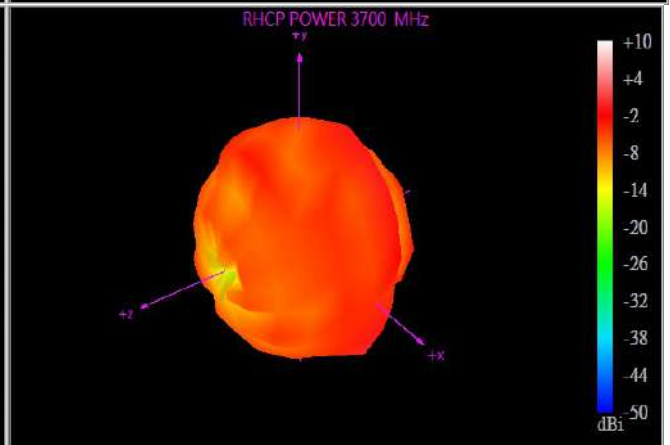
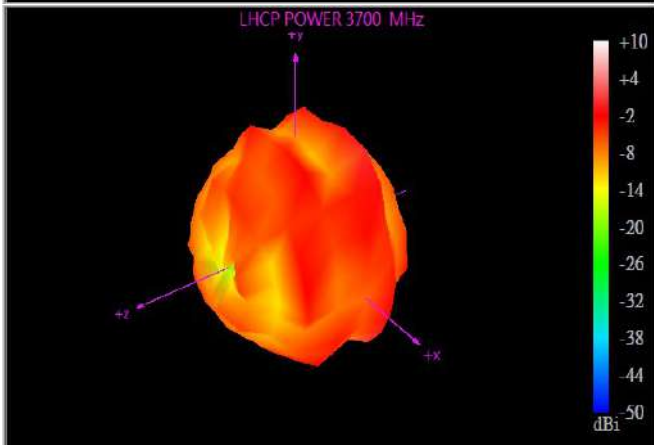
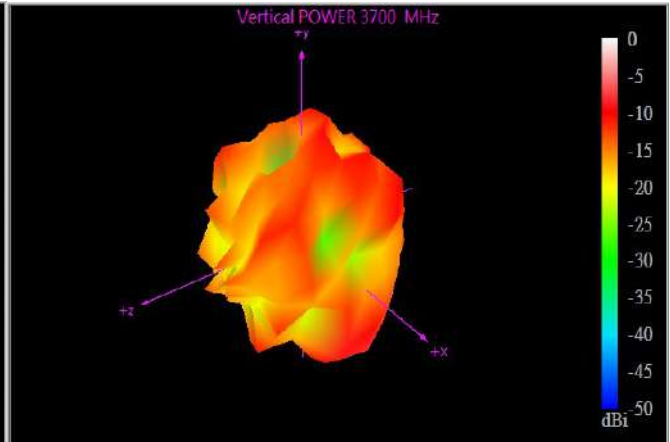
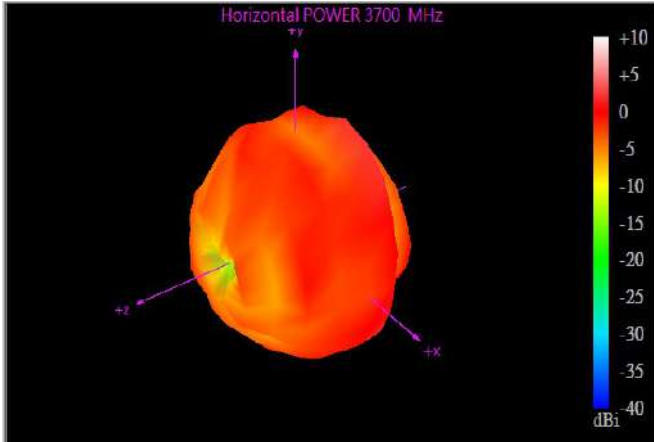
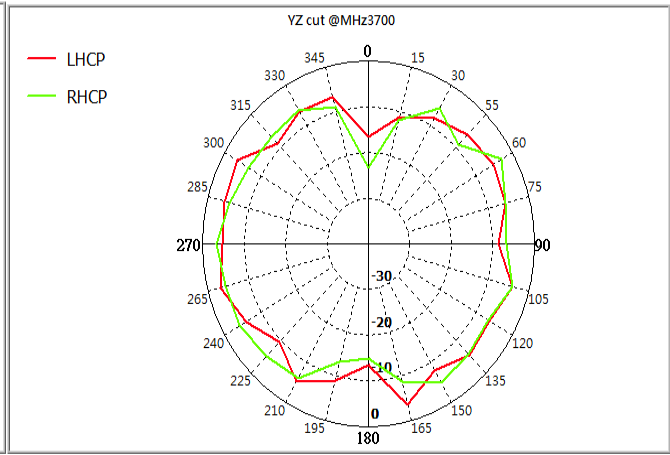
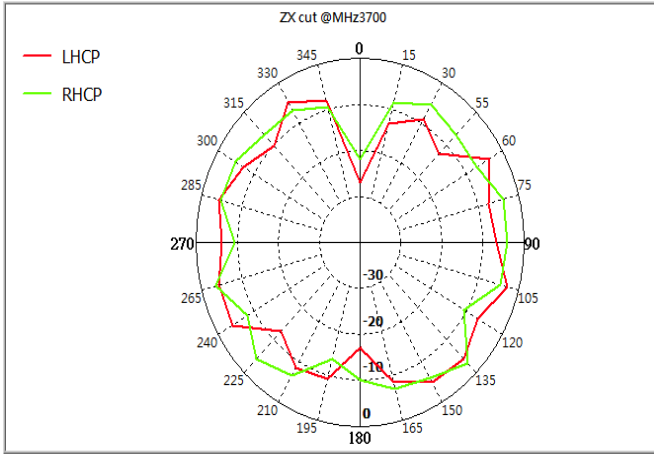
3300Mhz:





3700MHz:





4000Mhz:

