

# 1.35~2.5Ghz Antenna

## MODEL: TH-1325D-SMA(M)



### 1.. GENERAL DESCRIPTION

Model No	P/N
TH-1325D	TH-1325D-SMA(M)

### 1.1 Electrical Properties



Parameter	Description
Frequency Band	1.35~2.5Ghz
Nominal Impedance	50 ohm
Polarization	Vertical
Admitted Power radiation	1W
V.S.W.R	2.0:1
Antenna Gain	0~3dB

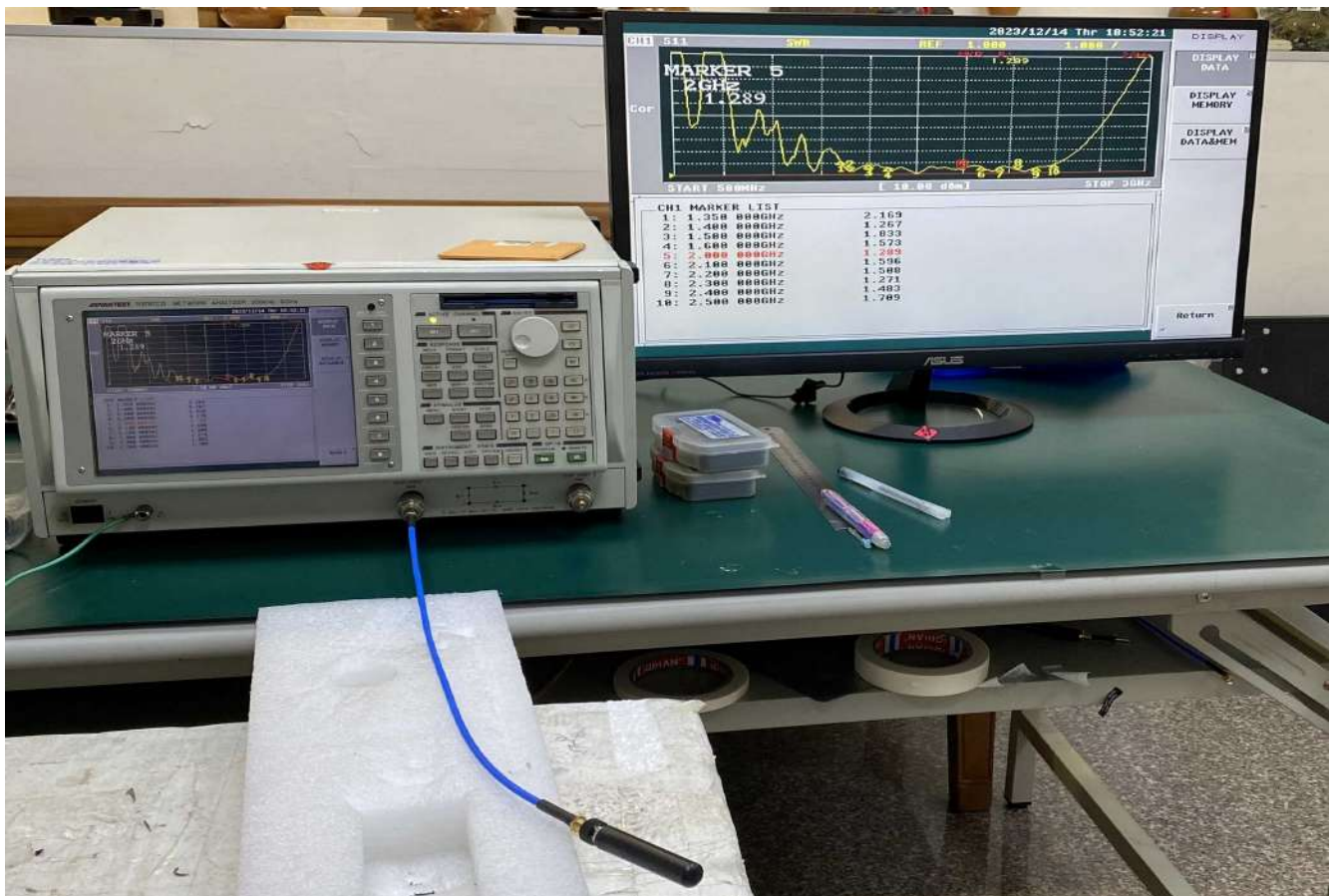
### 1.2 Mechanical Properties

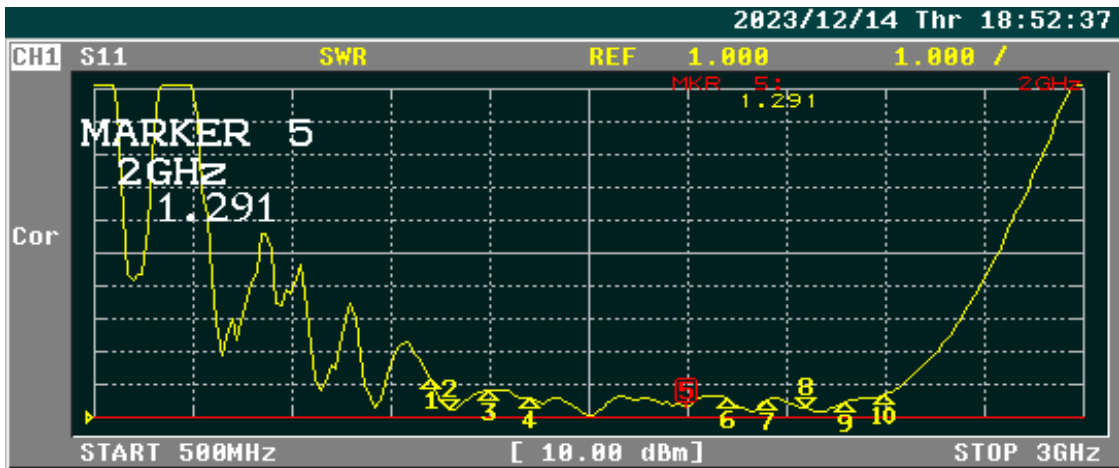
Parameter	Description
Antenna Type	External Antenna
Material	ASA-UV (UL94-HB)
Touch Type	Screw Type
Connector Type	SMA (Male)
Antenna Dimensions	OD12.5 x 69.7mm±1
Antenna Color	Black
Operating Temperature Range	-40°C~+80°C
Storage Temperature Range	-40°C~+80°C
Waterproof	IPX7 (Must match the silicone pad - optional)

NO.	NAME	Q, TY
01	ASA-UV Tube	01
02	SMA(M)	01



 Third angle projection	CUSTOMER'S	MODEL	PARTS NUMBER	FREQUENCY	UNIT	SCALE	DATE	VERSION
			TH-1325D		1.3~2.6Ghz	M/M		20231228
	TOLERANCE	X. XX±0. 15	NAME	PARTS NUMBER	APPROVED	CHECKED	DRAWING	DESIGNED
	SURFACE ROUGHNESS		APPEARANCE					





DISPLAY

DISPLAY DATA 1

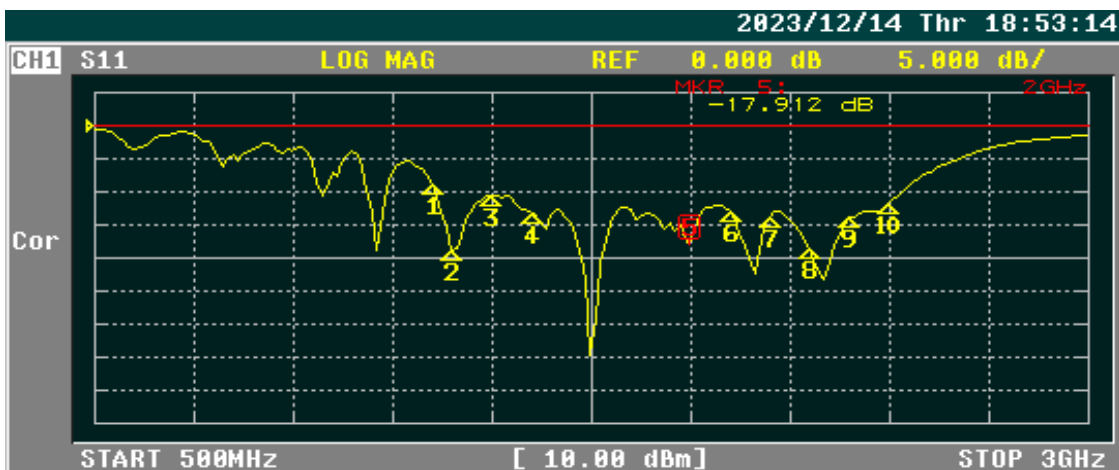
DISPLAY MEMORY 2

DISPLAY DATA&MEM 3

CH1 MARKER LIST

1:	1.350 000GHz	2.177
2:	1.400 000GHz	1.254
3:	1.500 000GHz	1.829
4:	1.600 000GHz	1.564
5:	2.000 000GHz	1.291
6:	2.100 000GHz	1.577
7:	2.200 000GHz	1.504
8:	2.300 000GHz	1.274
9:	2.400 000GHz	1.490
10:	2.500 000GHz	1.690

Return 8



FORMAT

LOG MAG 1

PHASE 2

DELAY 3

SMITH (R+jX) 4

SMITH (G+jB) 5

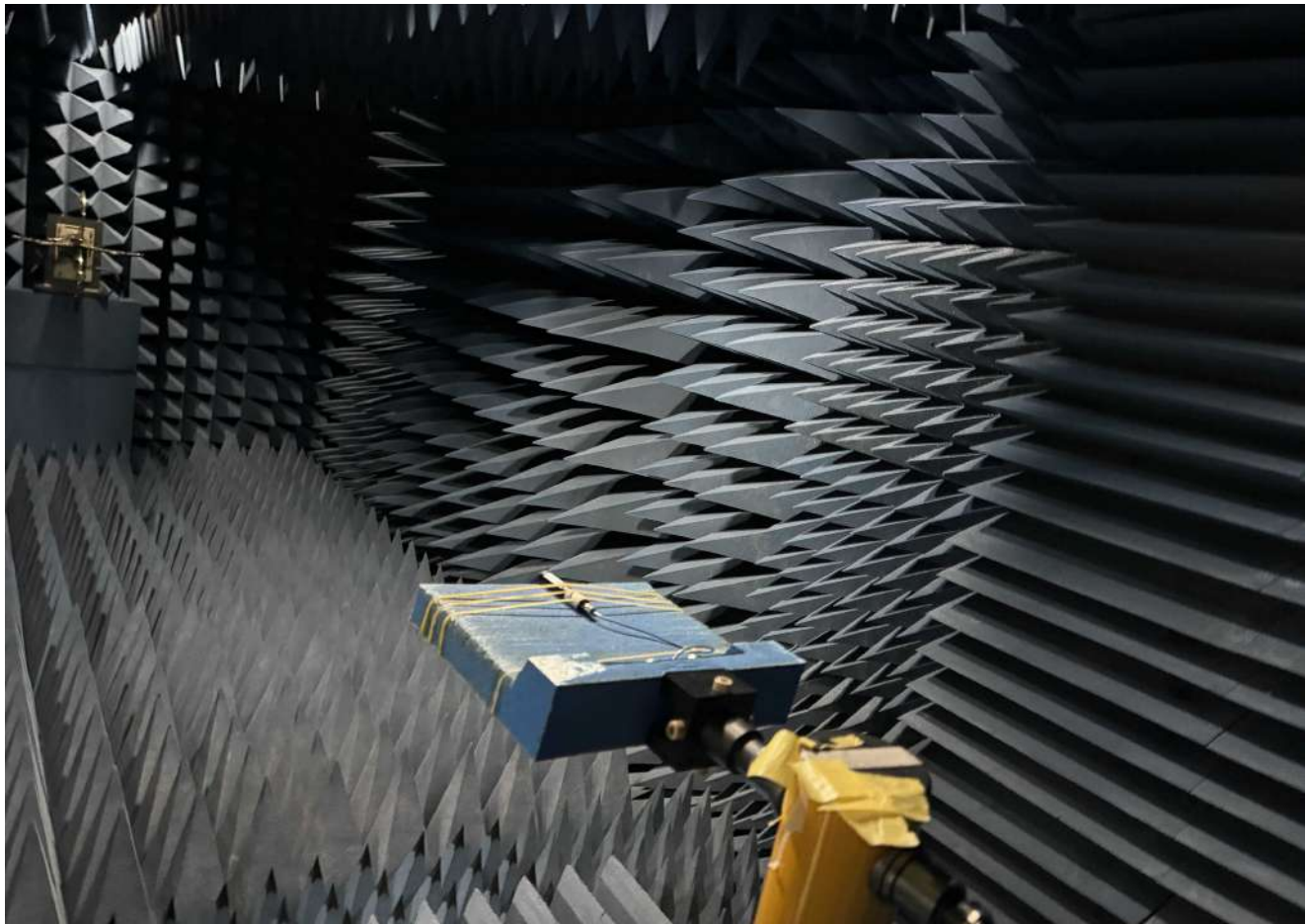
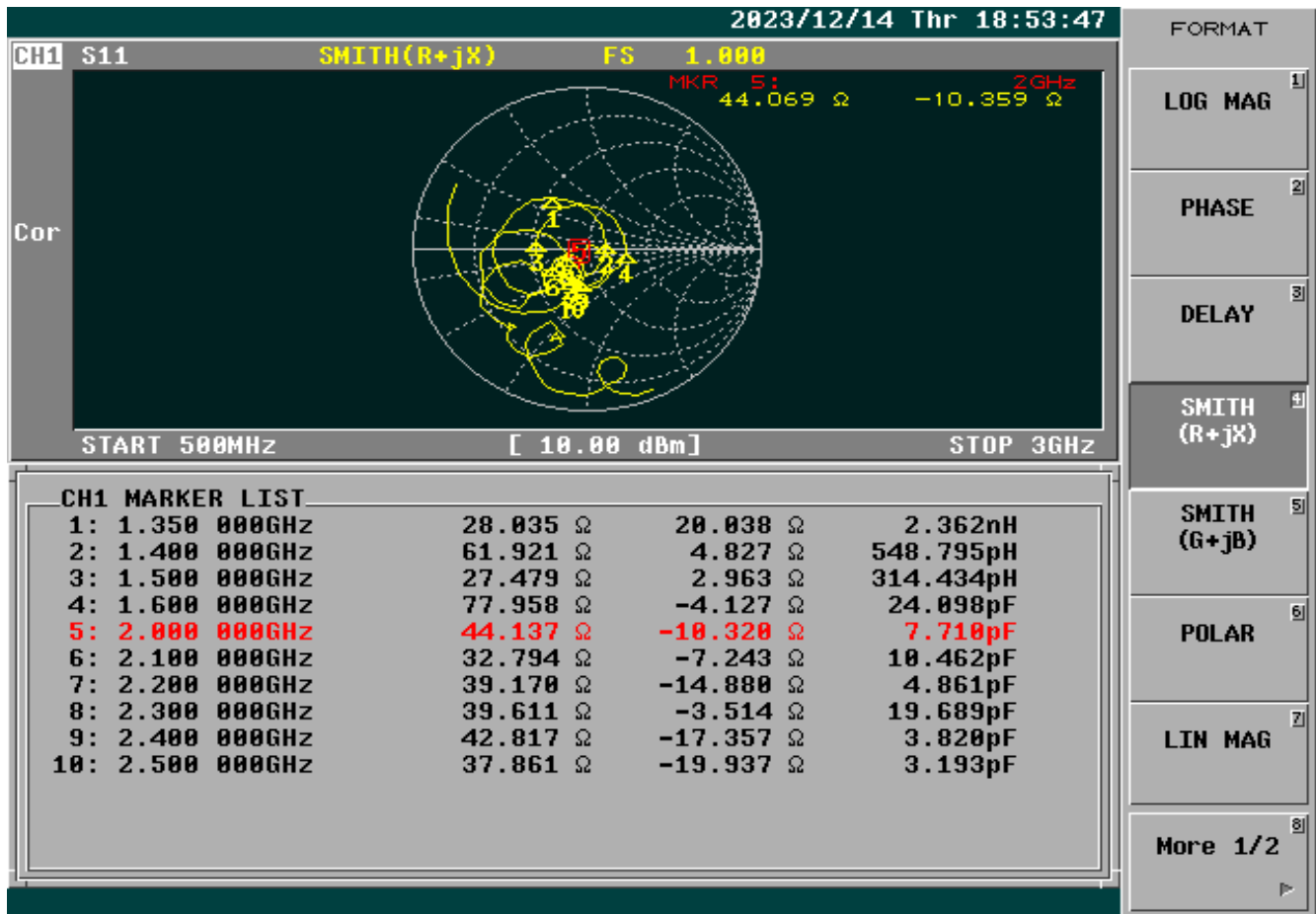
POLAR 6

LIN MAG 7

CH1 MARKER LIST

1:	1.350 000GHz	-8.679 dB
2:	1.400 000GHz	-18.826 dB
3:	1.500 000GHz	-10.675 dB
4:	1.600 000GHz	-13.097 dB
5:	2.000 000GHz	-17.912 dB
6:	2.100 000GHz	-12.916 dB
7:	2.200 000GHz	-13.927 dB
8:	2.300 000GHz	-18.556 dB
9:	2.400 000GHz	-13.932 dB
10:	2.500 000GHz	-11.783 dB

More 1/2 8



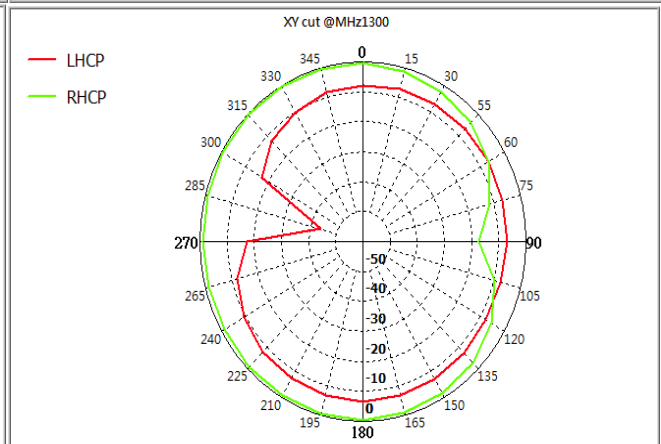
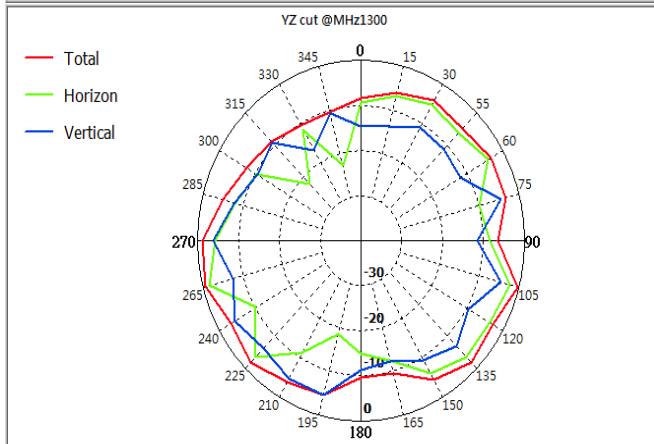
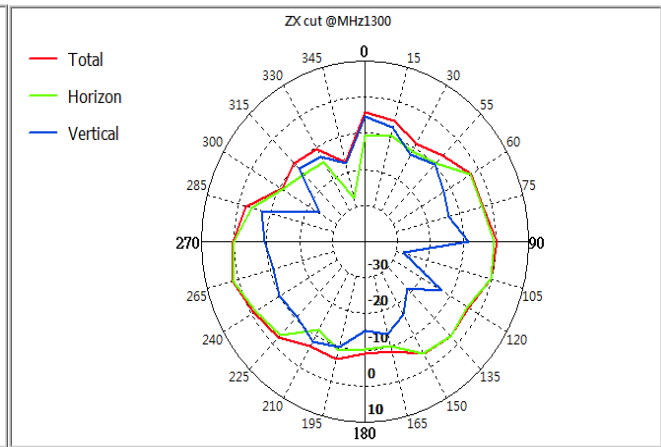
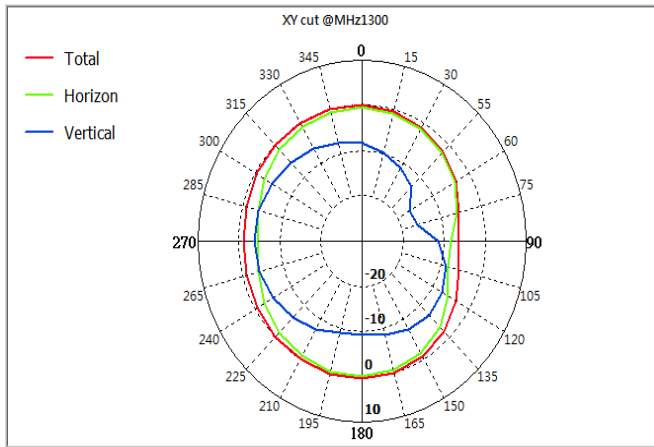
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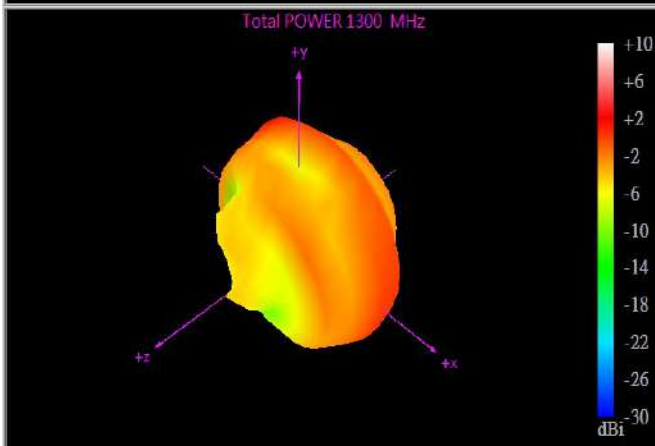
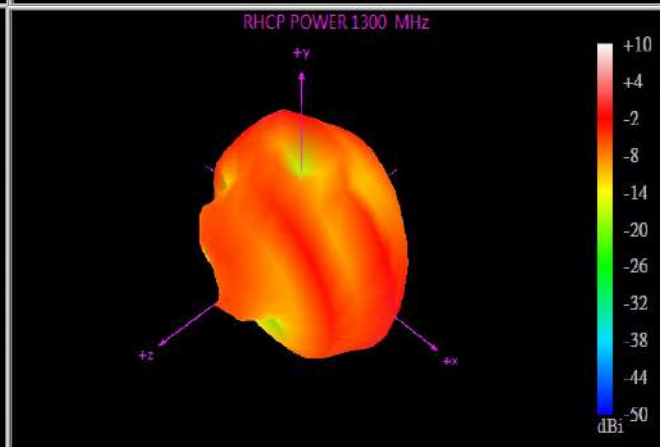
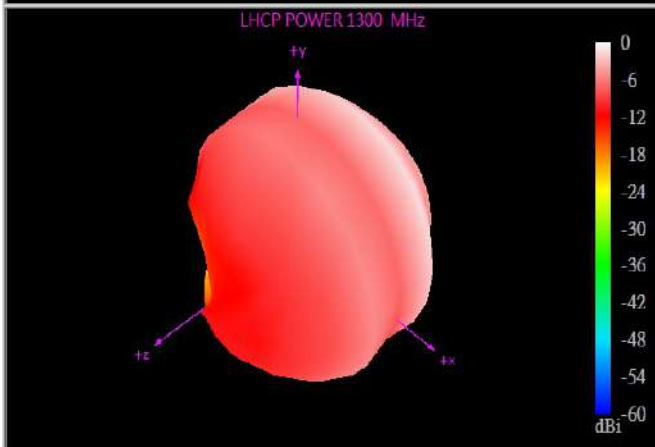
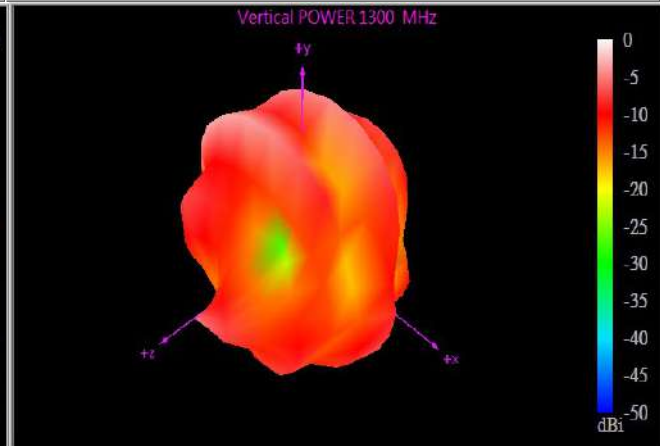
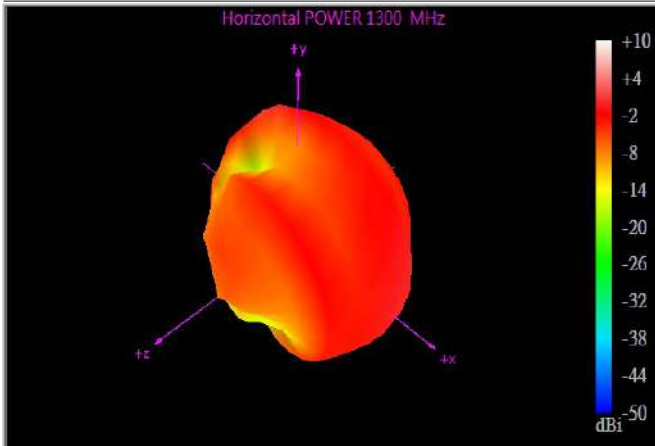
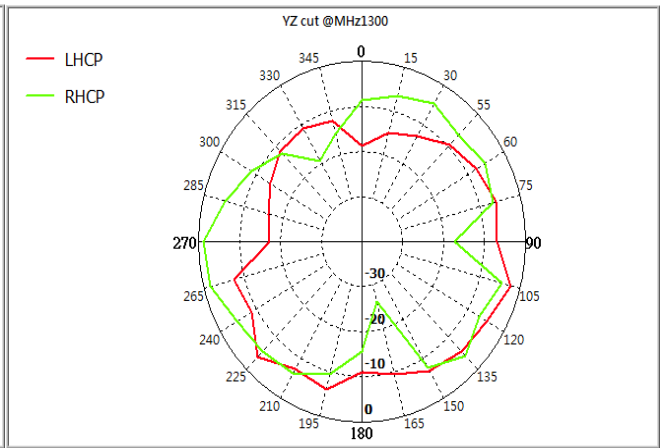
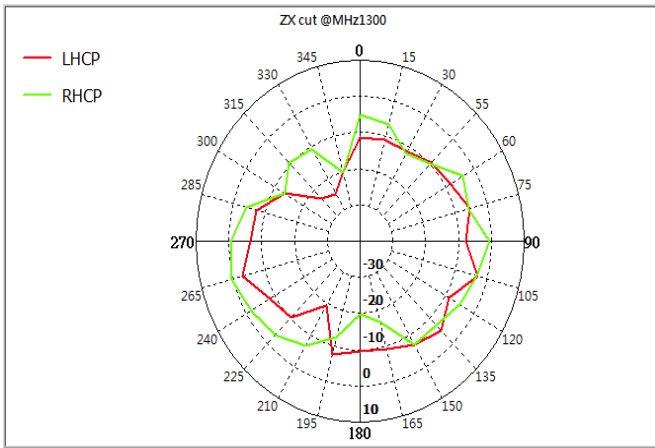
Frequency (MHz)	Upper Hem. PRP (dBm)	Lower HEM. PRP (dBm)	Efficiency (dB)	Efficiency (%)	Gain (dBi)	Tot. Rad.Pwr. (dBm)
1300 MHz	-7.76	-4.97	-3.13	48.61	2.13	-3.13
1320 MHz	-7.91	-4.71	-3.01	49.99	2.14	-3.01
1340 MHz	-7.61	-3.97	-2.40	57.48	2.56	-2.40
1360 MHz	-8.07	-4.31	-2.79	52.64	1.85	-2.79
1380 MHz	-7.86	-4.19	-2.64	54.47	2.06	-2.64
1400 MHz	-8.00	-4.14	-2.64	54.40	2.46	-2.64
1427.9 MHz	-7.78	-4.07	-2.53	55.86	2.72	-2.53
1447.9 MHz	-7.80	-4.10	-2.56	55.48	2.66	-2.56
1458 MHz	-7.81	-4.21	-2.64	54.51	2.47	-2.64
1463 MHz	-7.36	-3.82	-2.23	59.84	2.85	-2.23
1475.9 MHz	-7.33	-3.86	-2.25	59.57	2.80	-2.25
1495 MHz	-7.66	-4.34	-2.68	53.96	2.44	-2.68
1505 MHz	-6.78	-3.50	-1.83	65.63	3.36	-1.83
1510.9 MHz	-6.69	-3.47	-1.78	66.39	3.40	-1.78
1565 MHz	-7.31	-4.07	-2.38	57.75	3.04	-2.38
1570 MHz	-7.29	-4.07	-2.37	57.88	3.07	-2.37
1575 MHz	-7.07	-3.76	-2.10	61.65	3.27	-2.10
1580 MHz	-7.73	-4.54	-2.84	52.04	2.57	-2.84
1585 MHz	-6.97	-3.75	-2.06	62.29	3.31	-2.06
1590 MHz	-7.02	-3.76	-2.08	61.96	3.17	-2.08
1595 MHz	-7.39	-4.12	-2.45	56.94	2.92	-2.45
1600 MHz	-7.45	-4.17	-2.50	56.29	2.93	-2.50
1605 MHz	-7.43	-4.15	-2.47	56.58	3.05	-2.47
1610 MHz	-7.34	-4.10	-2.41	57.38	3.01	-2.41
1710 MHz	-7.15	-3.95	-2.25	59.51	2.80	-2.25
1730 MHz	-6.56	-3.49	-1.75	66.84	2.78	-1.75
1750 MHz	-7.09	-4.32	-2.48	56.51	1.57	-2.48
1770 MHz	-6.70	-4.24	-2.29	59.05	1.88	-2.29
1785 MHz	-6.49	-4.22	-2.20	60.25	2.23	-2.20
1805 MHz	-6.82	-4.59	-2.56	55.53	1.96	-2.56
1840 MHz	-6.49	-4.15	-2.15	60.89	2.41	-2.15
1850 MHz	-6.21	-3.82	-1.84	65.42	2.81	-1.84
1880 MHz	-7.07	-4.47	-2.57	55.38	2.48	-2.57
1910 MHz	-6.73	-3.96	-2.12	61.38	3.13	-2.12
1920 MHz	-6.81	-4.03	-2.19	60.36	3.09	-2.19
1930 MHz	-7.06	-4.35	-2.49	56.40	2.65	-2.49
1950 MHz	-6.15	-3.68	-1.73	67.14	2.88	-1.73
1960 MHz	-6.21	-3.91	-1.90	64.60	2.52	-1.90
1980 MHz	-5.58	-3.64	-1.49	70.95	2.76	-1.49
1995 MHz	-5.66	-3.91	-1.69	67.82	2.42	-1.69



2110 MHz	-4.47	-3.68	-1.05	78.55	3.07	-1.05
2140 MHz	-5.09	-4.29	-1.66	68.23	2.32	-1.66
2170 MHz	-5.74	-5.01	-2.35	58.24	1.60	-2.35
2300 MHz	-5.32	-4.74	-2.01	62.95	1.49	-2.01
2325 MHz	-4.54	-3.92	-1.21	75.66	2.63	-1.21
2350 MHz	-4.96	-4.28	-1.60	69.25	2.79	-1.60
2375 MHz	-4.88	-4.24	-1.54	70.22	2.72	-1.54
2400 MHz	-5.23	-4.61	-1.90	64.54	2.13	-1.90
2500 MHz	-4.69	-5.18	-1.92	64.29	1.55	-1.92
2515 MHz	-4.36	-5.01	-1.67	68.14	1.47	-1.67
2535 MHz	-5.07	-5.73	-2.37	57.88	0.62	-2.37
2555 MHz	-4.89	-5.60	-2.22	59.97	0.77	-2.22
2570 MHz	-4.81	-5.60	-2.17	60.60	0.83	-2.17
2595 MHz	-4.81	-5.79	-2.26	59.39	0.66	-2.26
2600 MHz	-4.67	-5.67	-2.13	61.26	0.91	-2.13

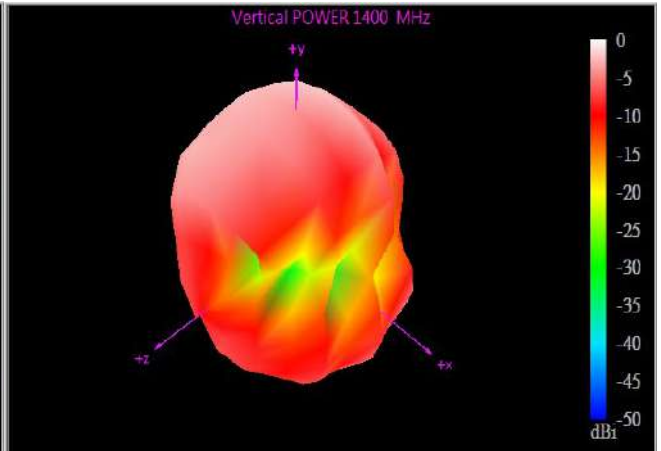
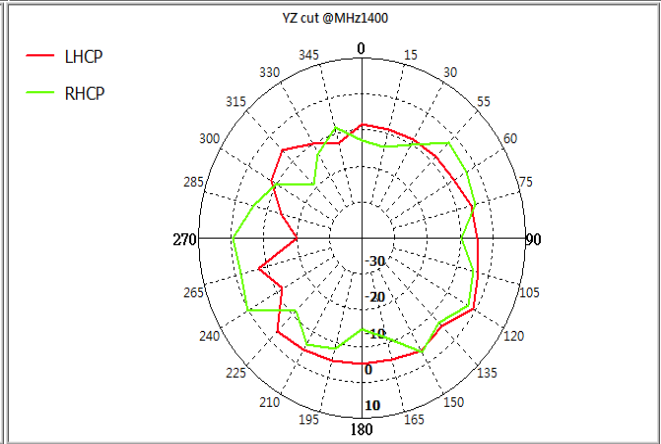
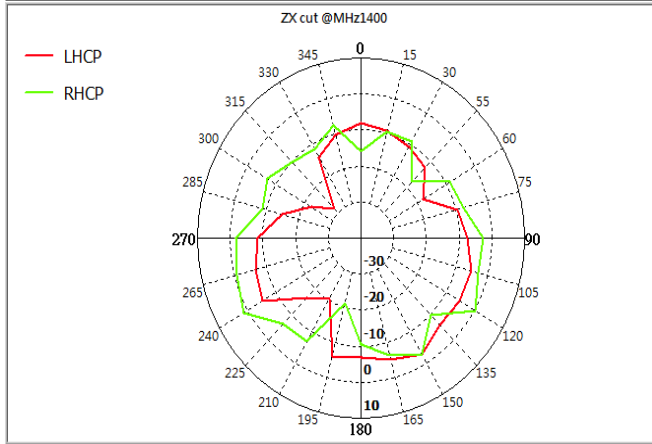
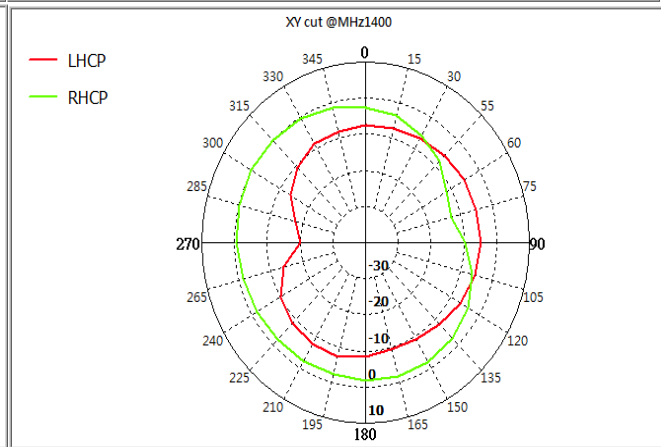
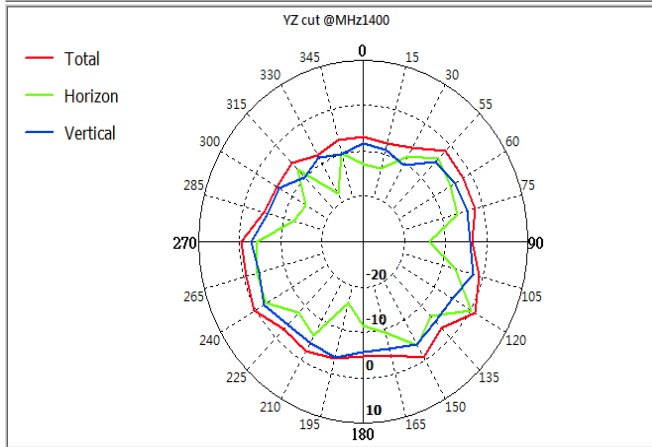
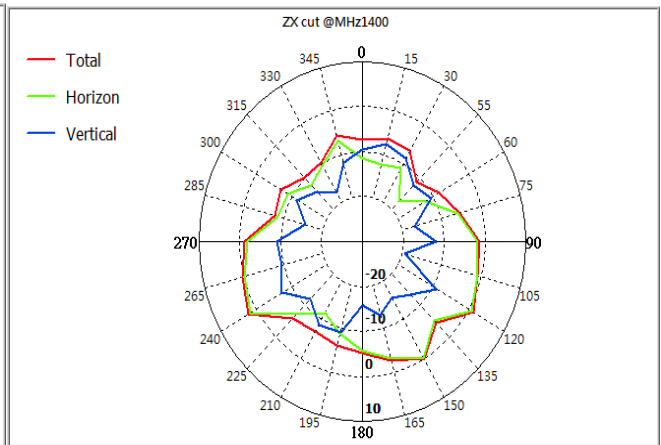
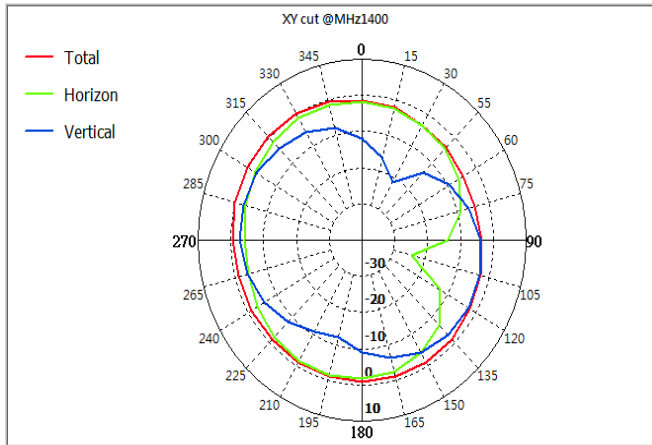
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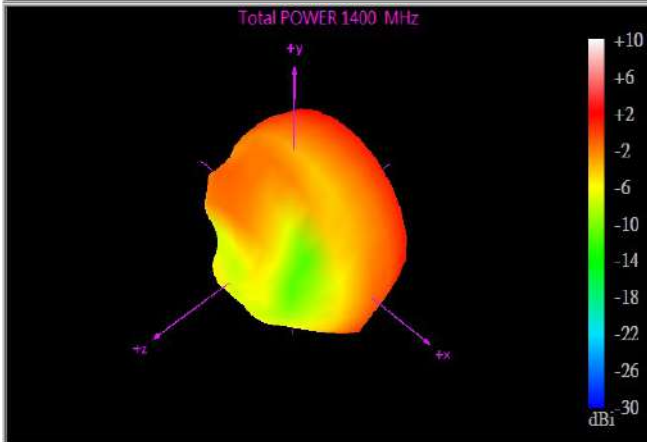
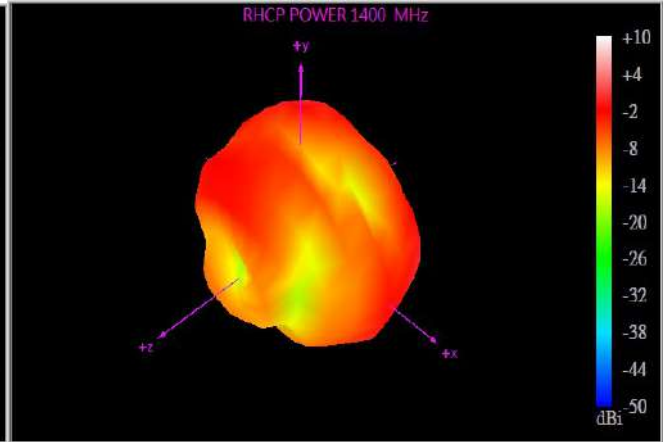
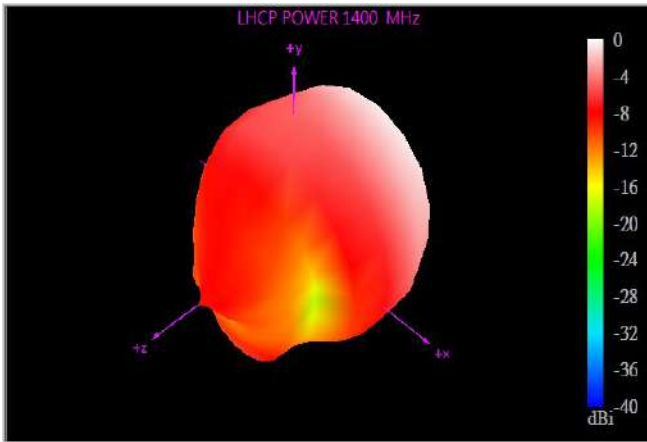




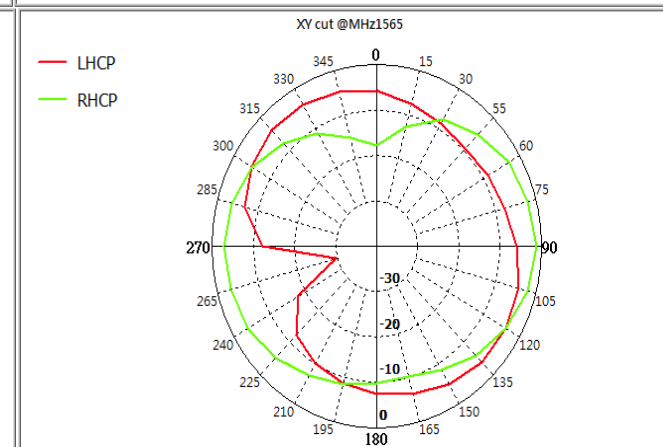
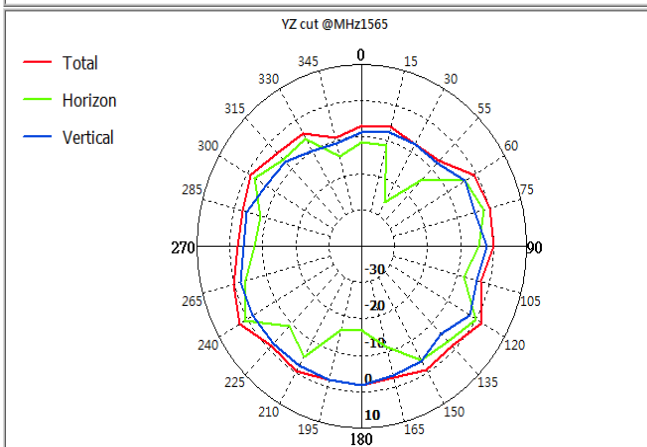
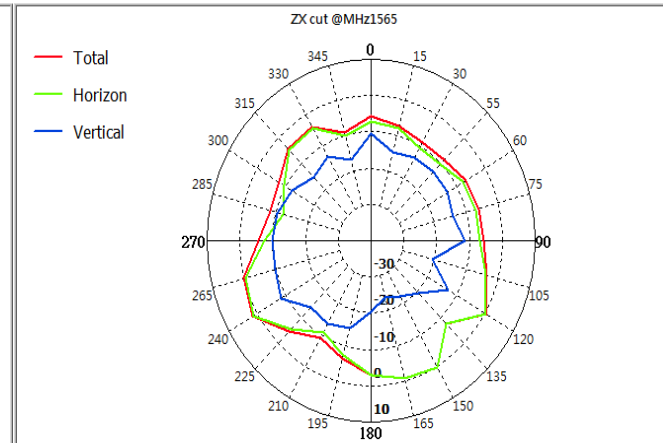
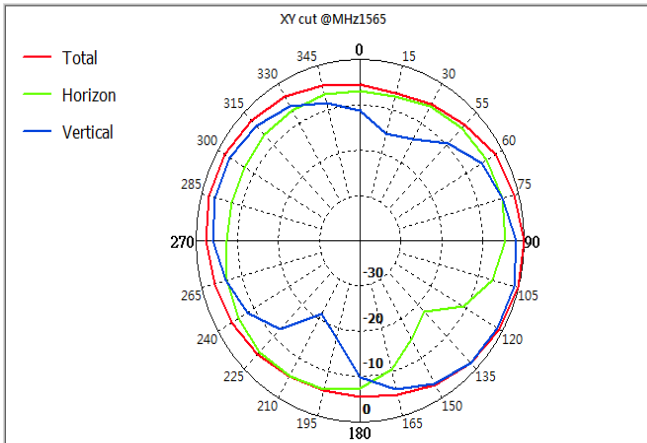


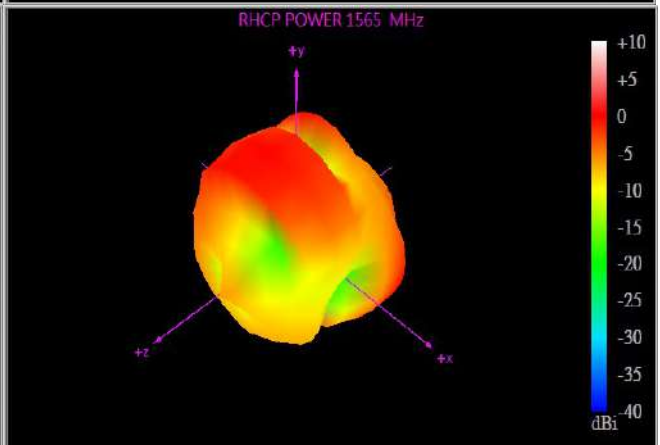
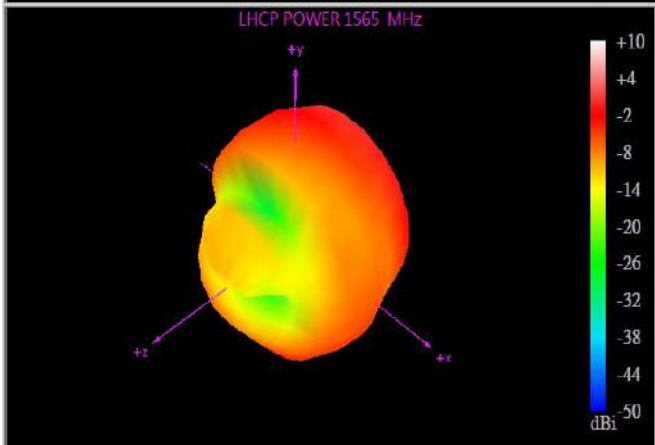
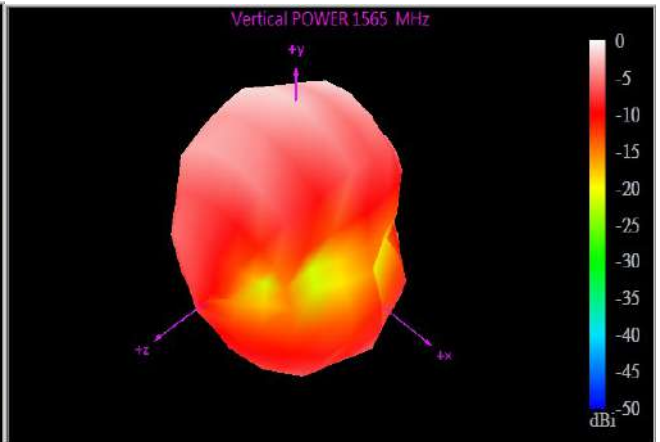
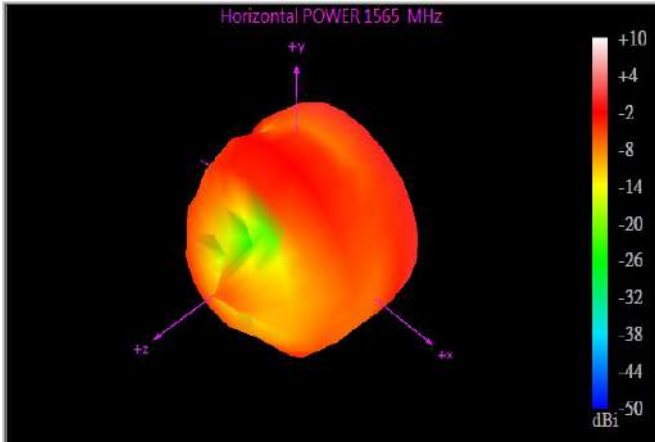
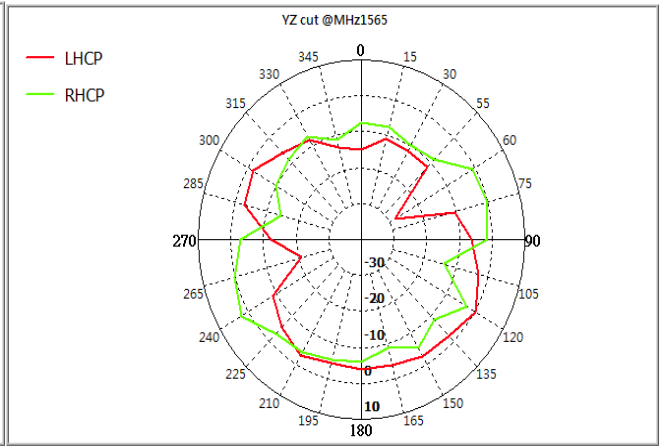
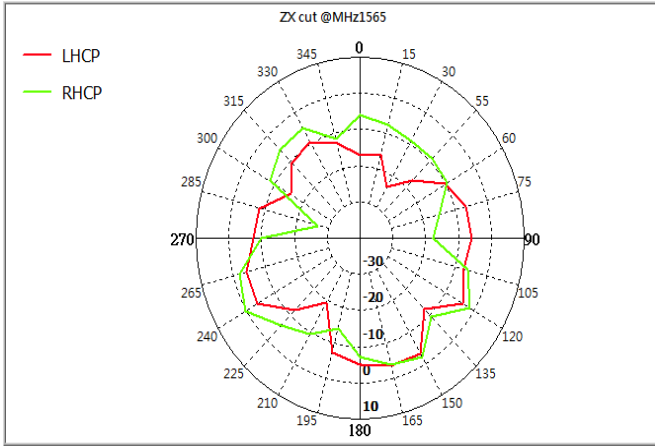
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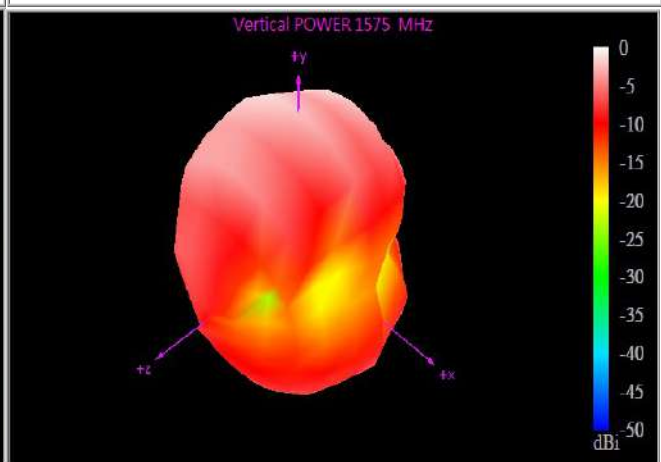
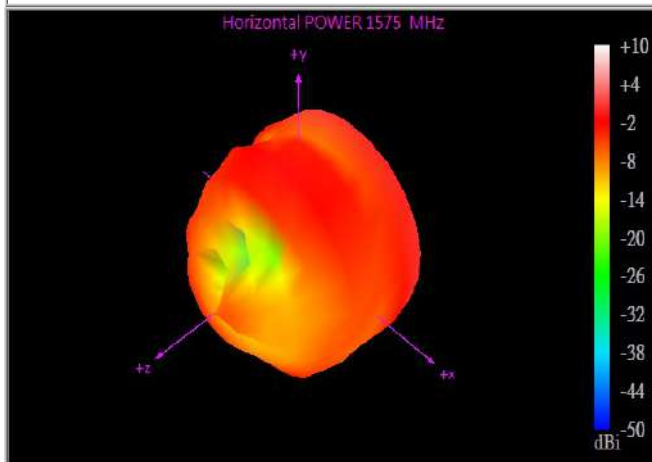
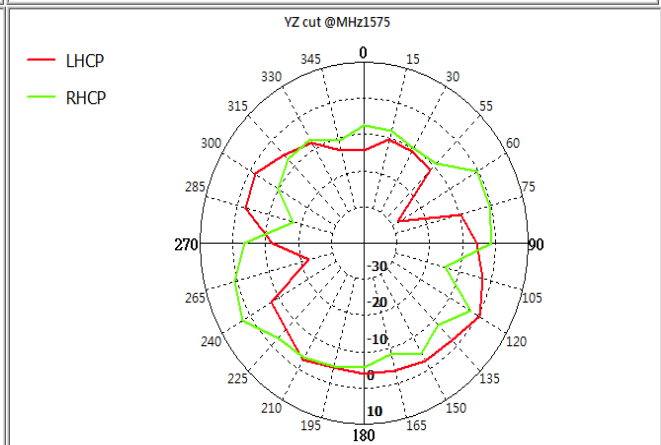
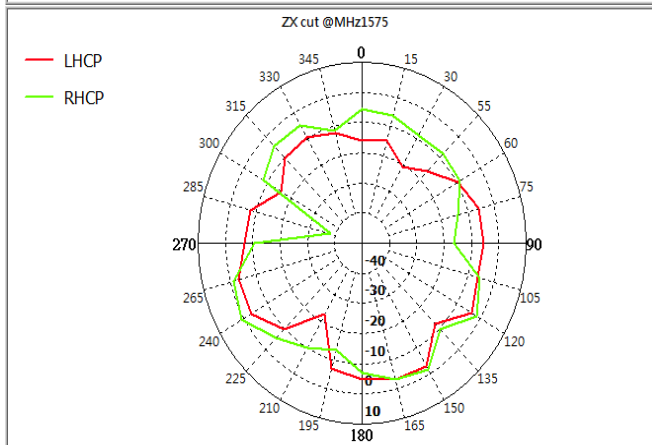
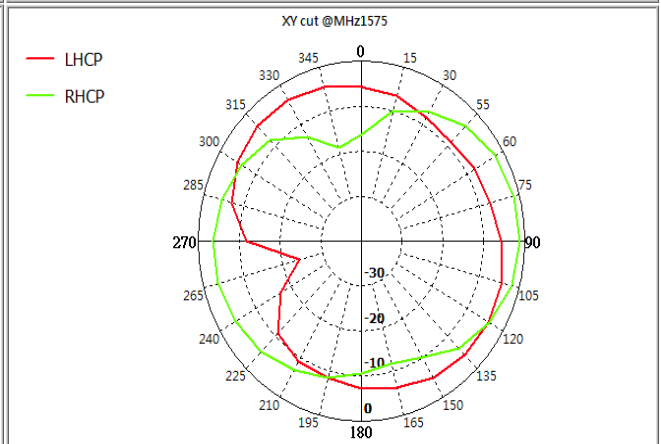
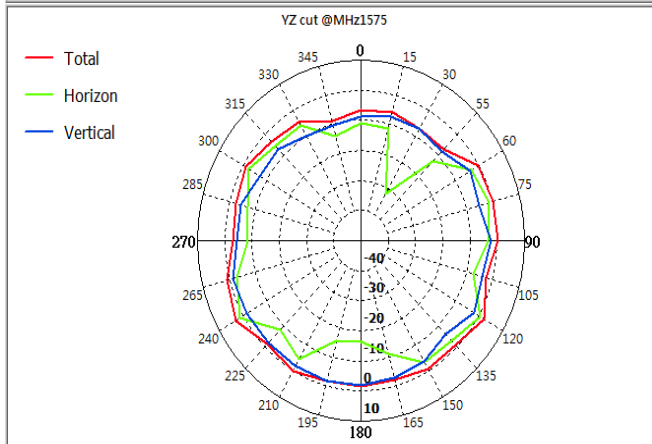
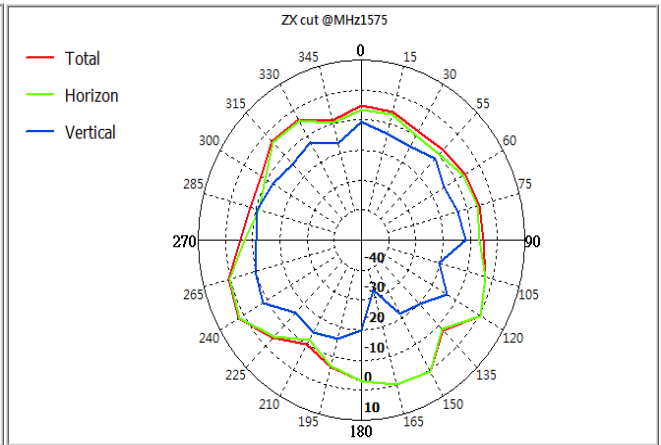
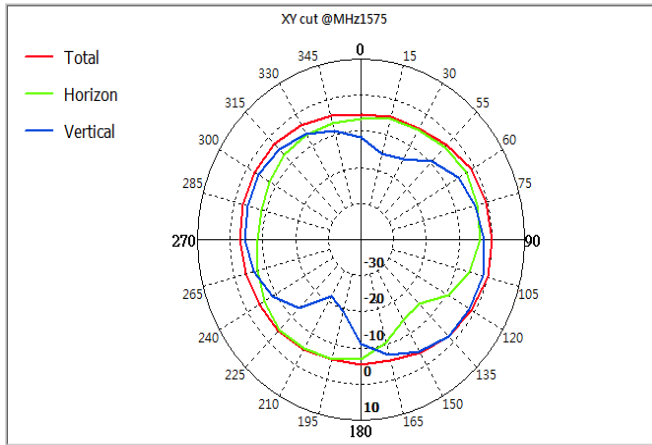


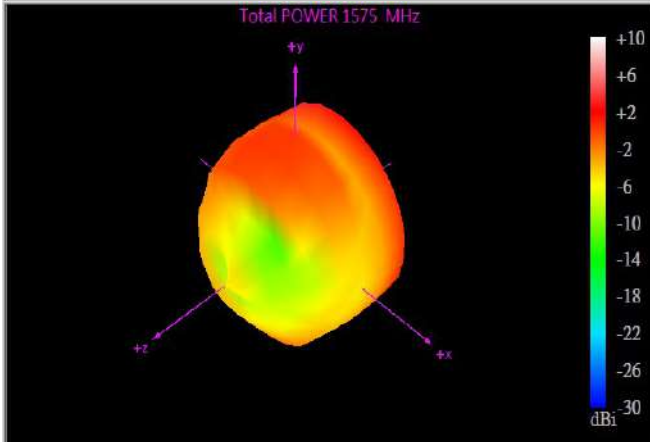
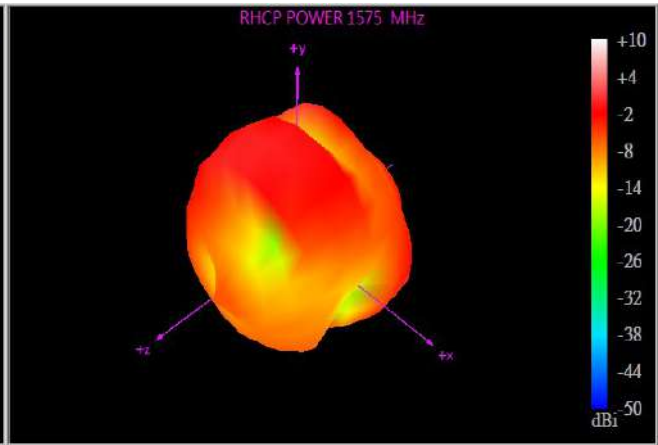
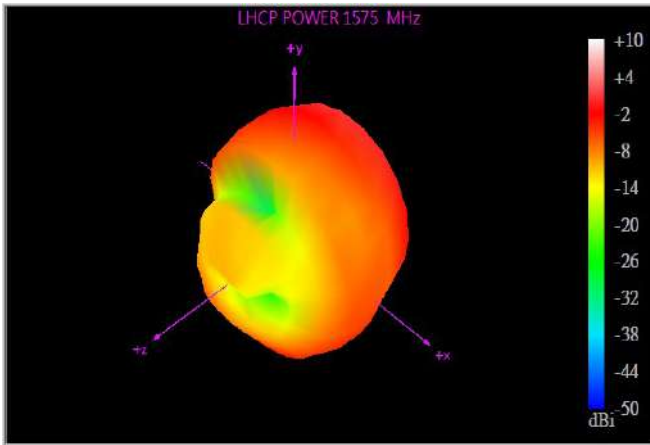
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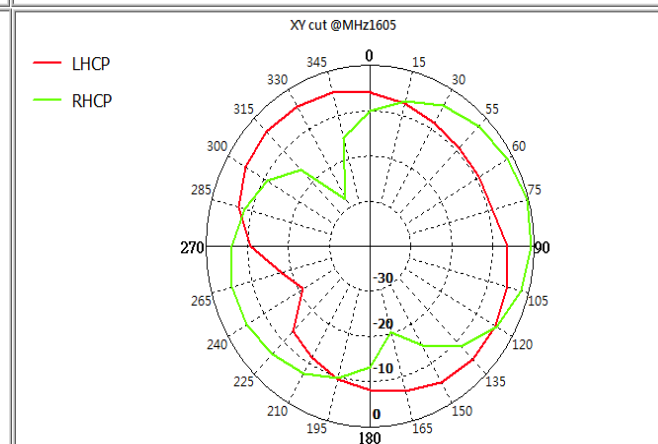
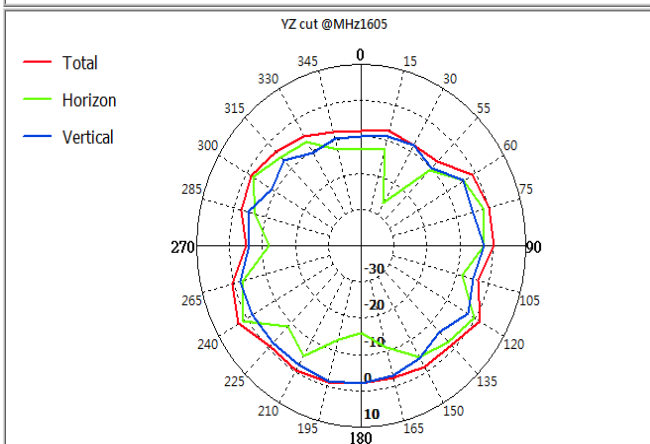
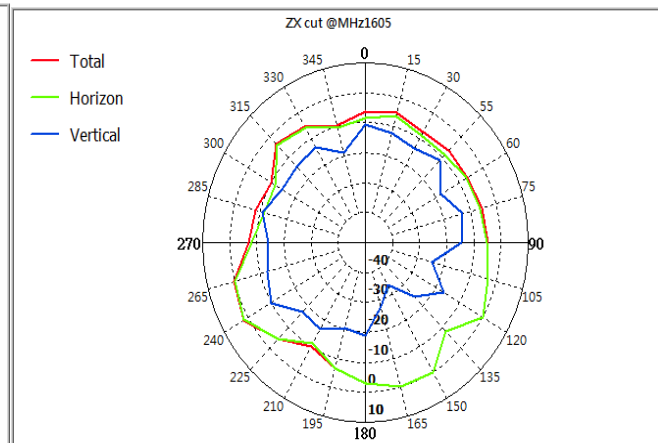
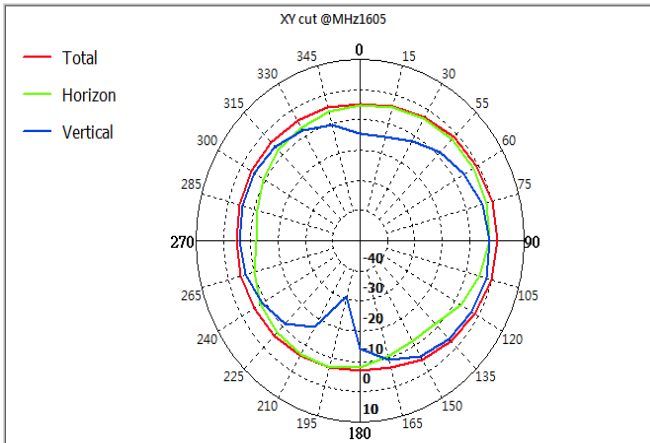


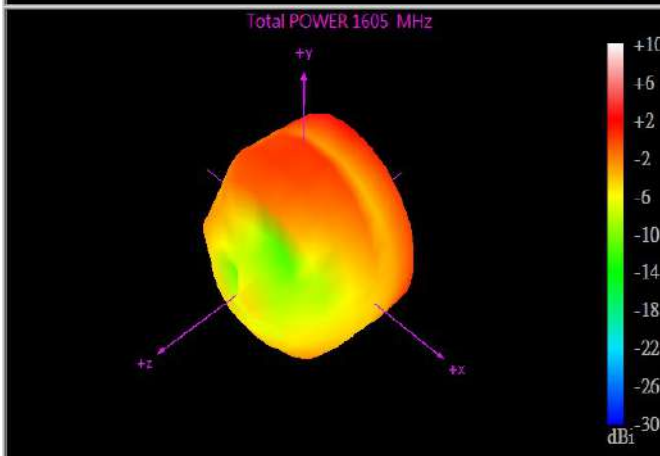
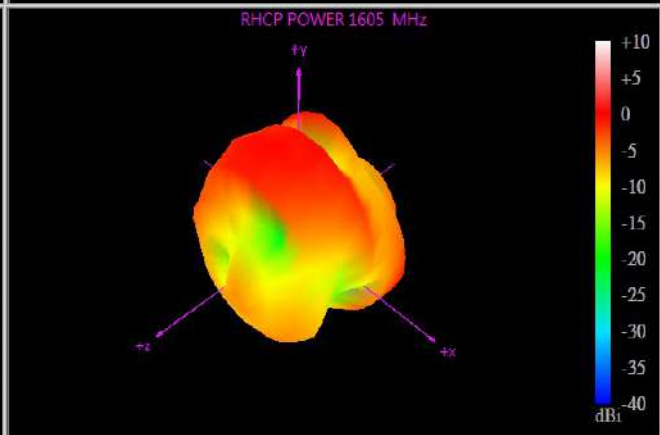
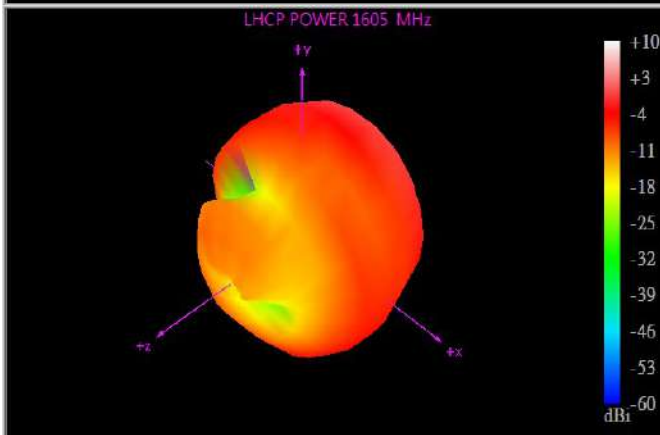
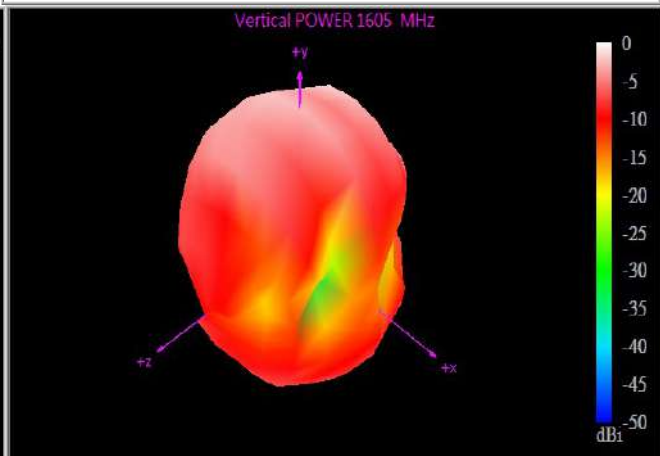
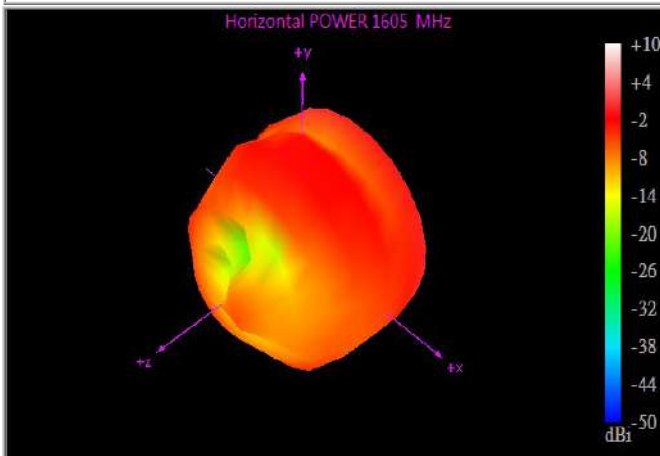
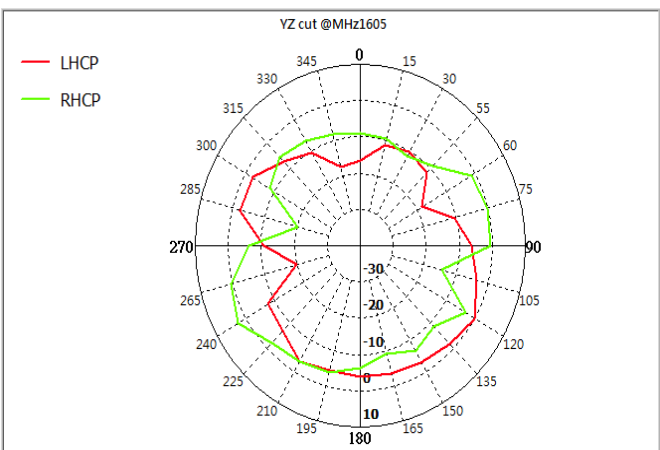
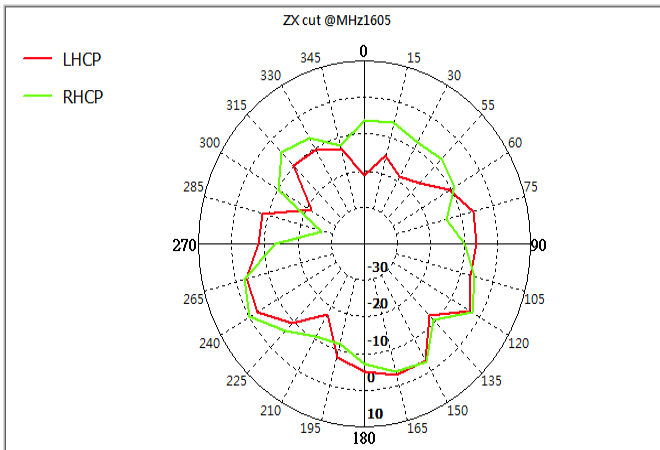
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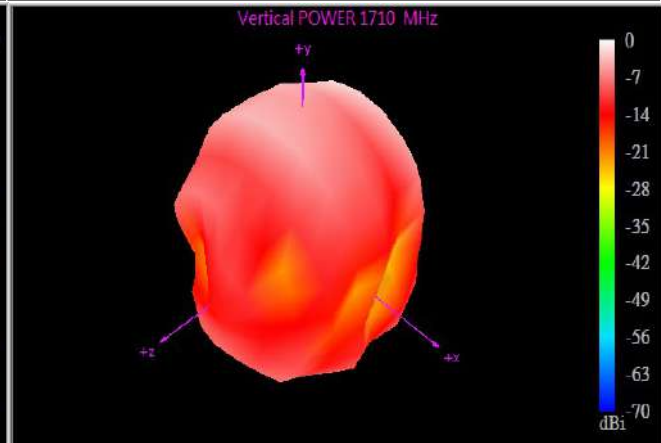
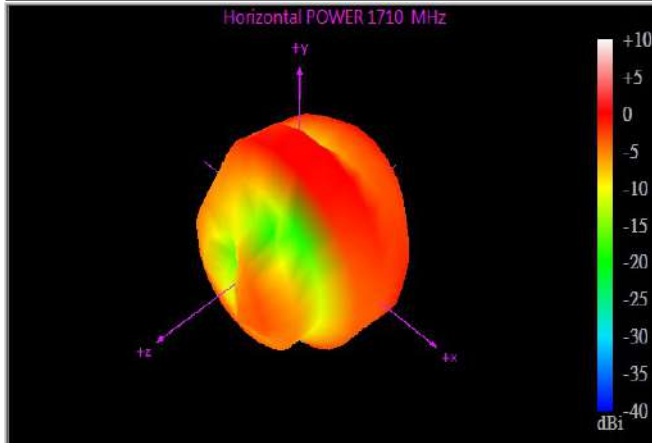
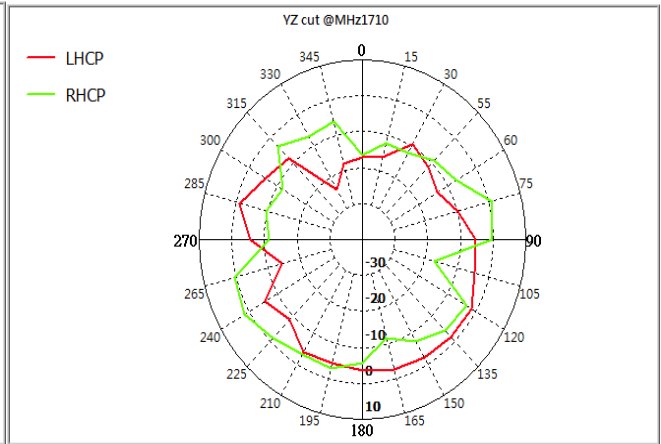
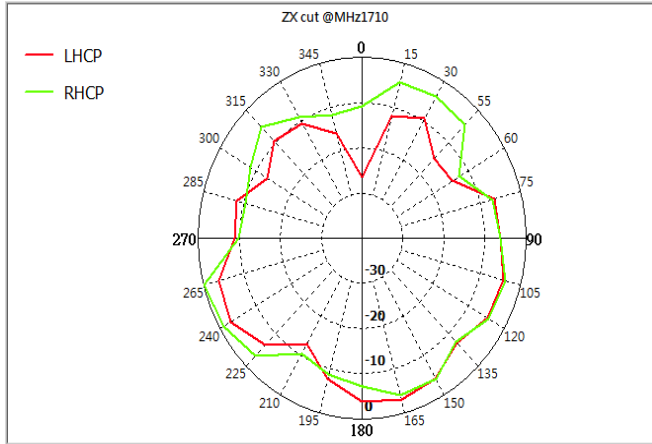
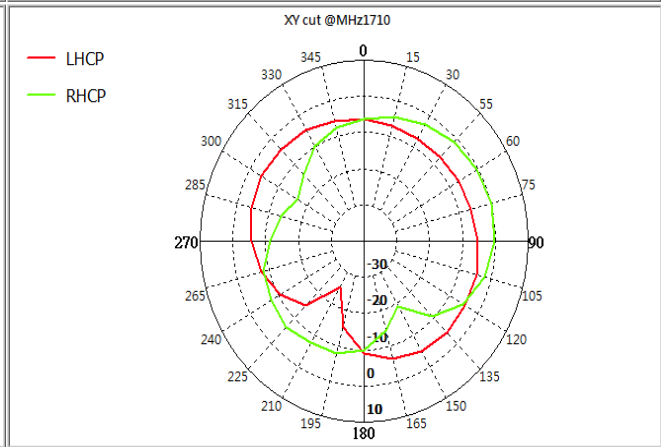
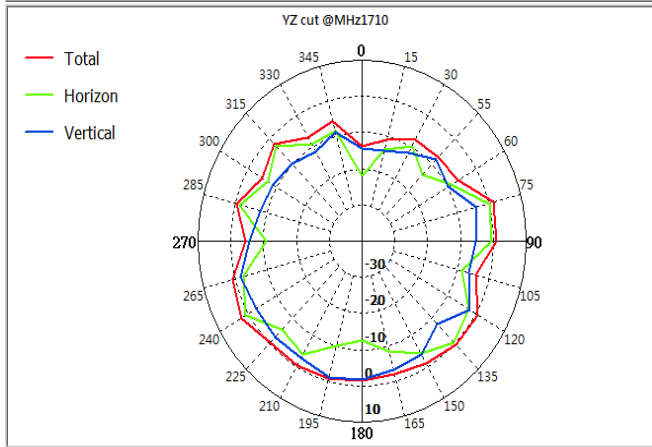
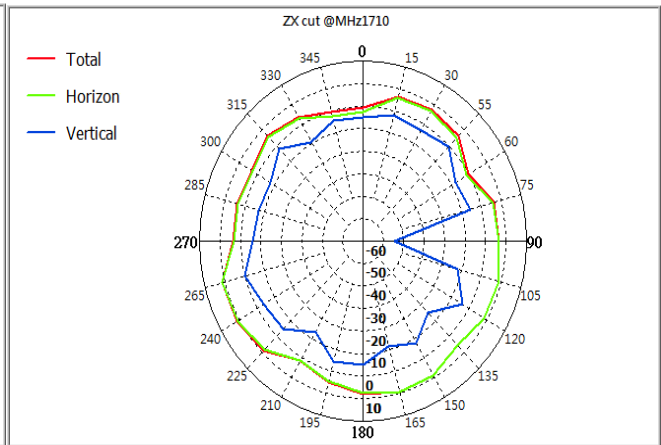
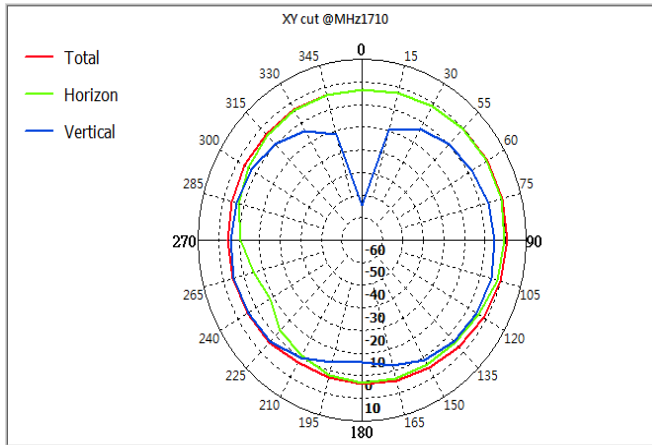
**1605Mhz:**

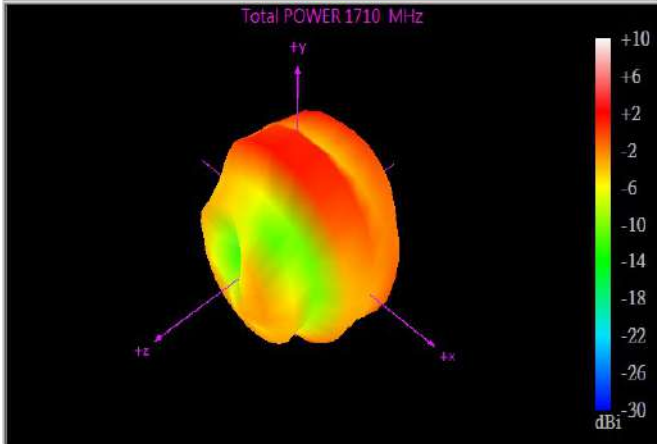
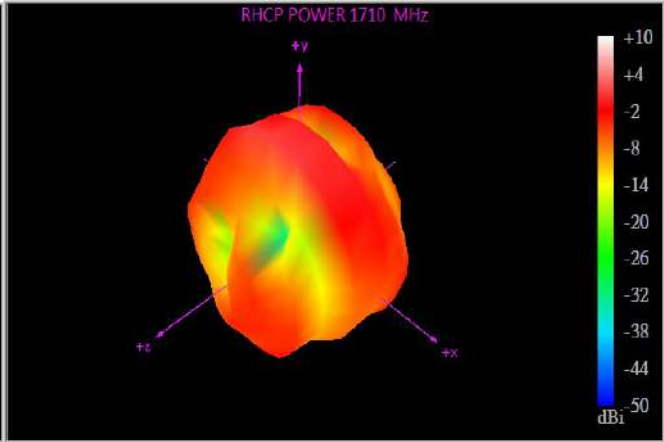
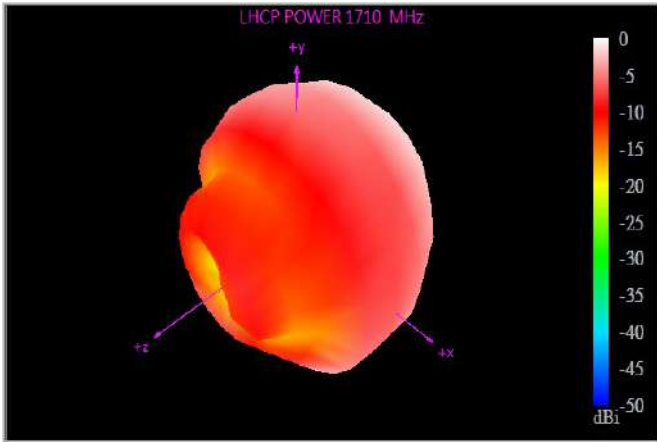




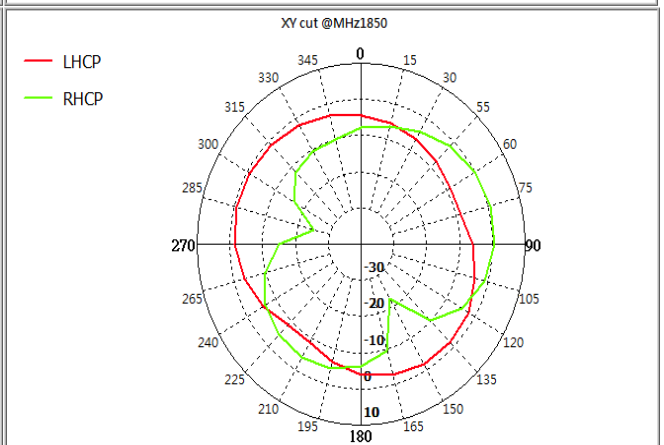
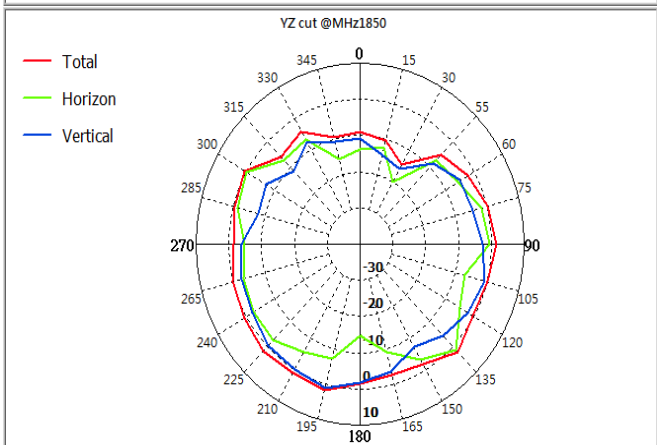
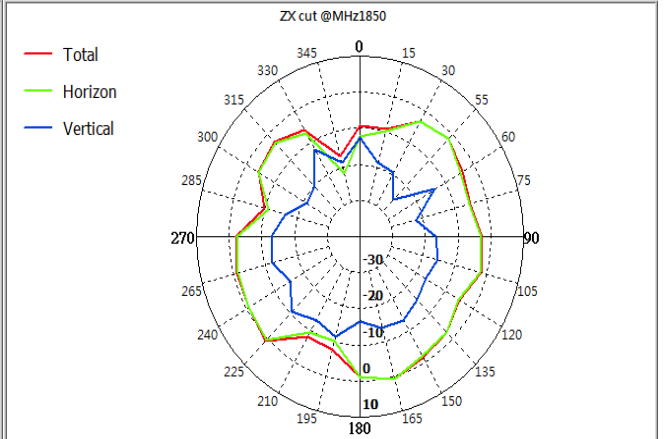
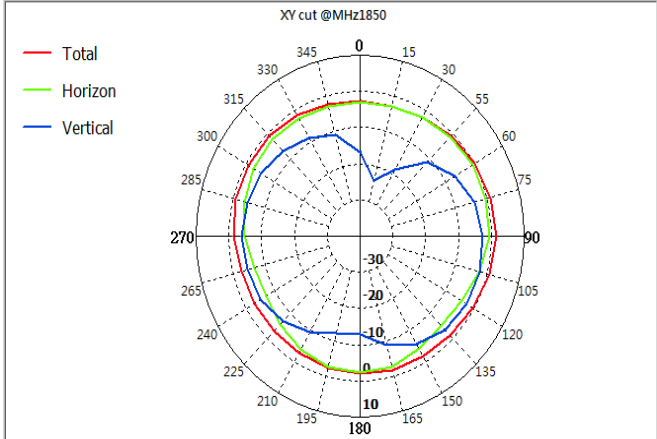


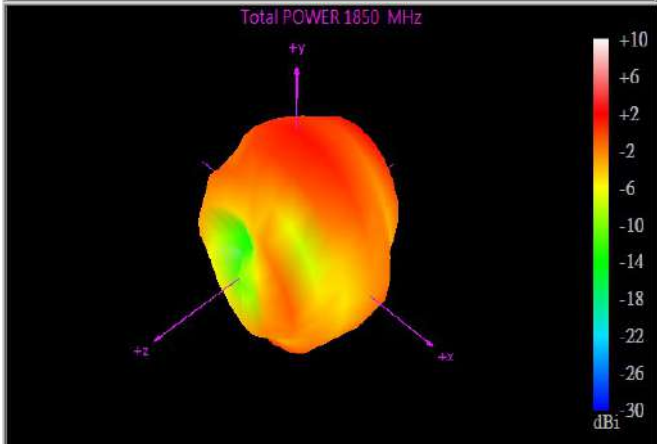
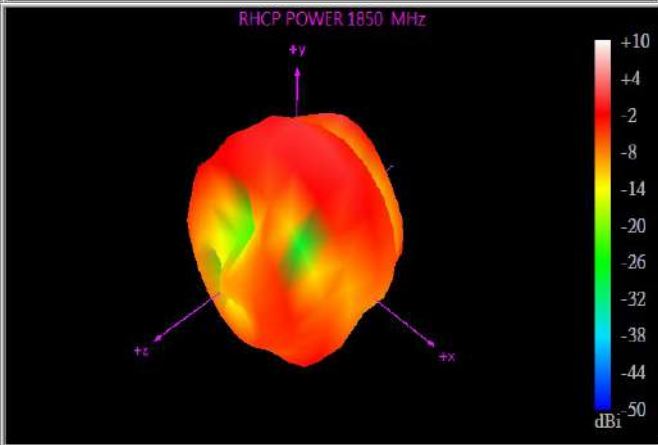
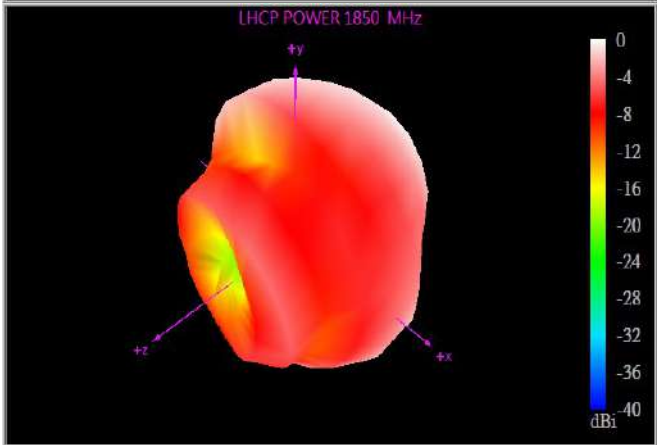
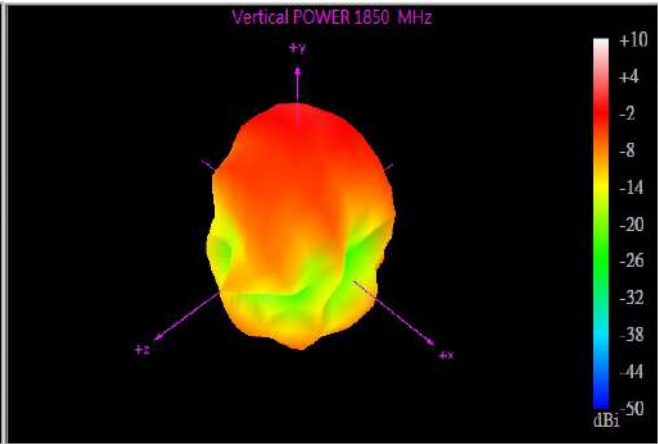
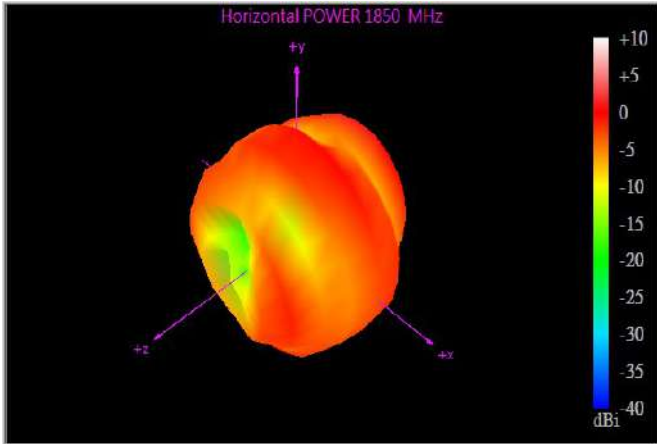
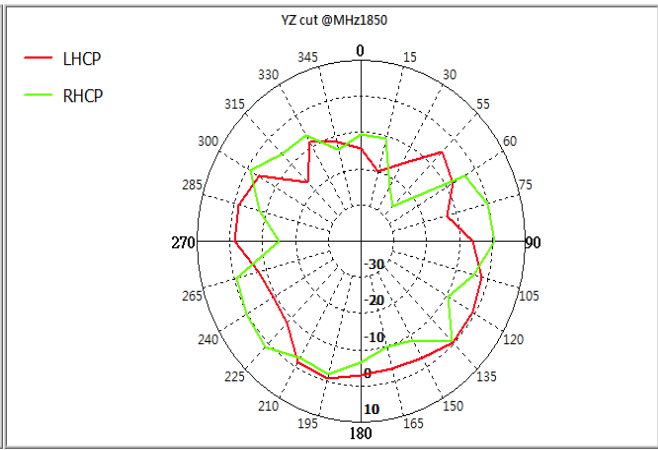
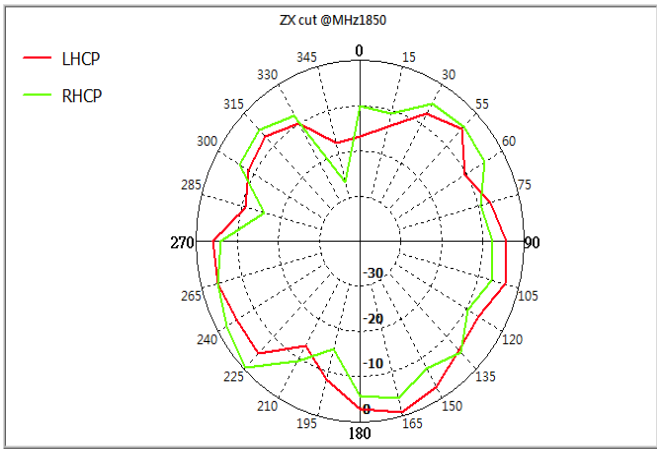
# 1710Mhz:



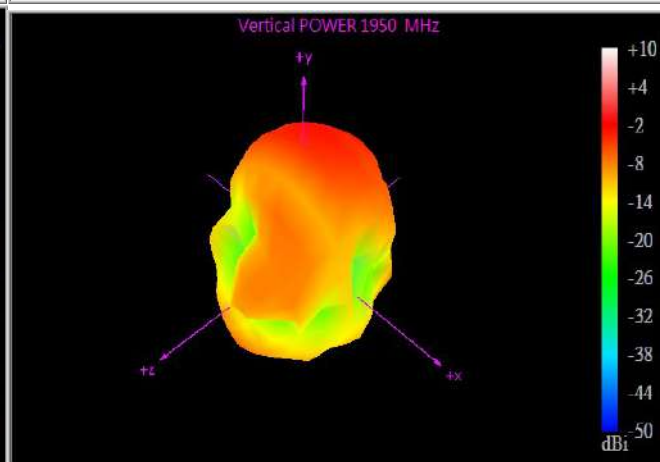
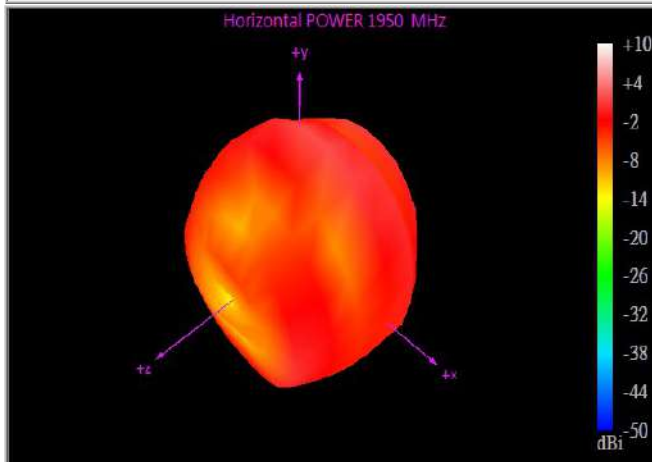
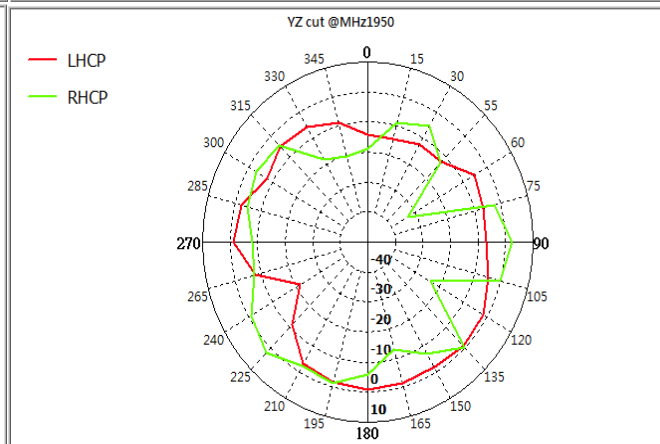
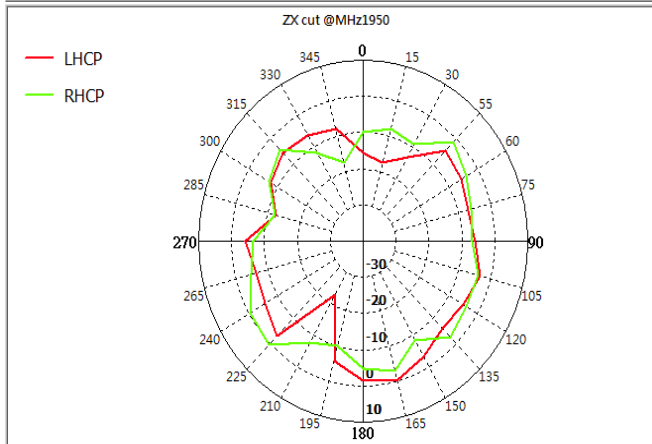
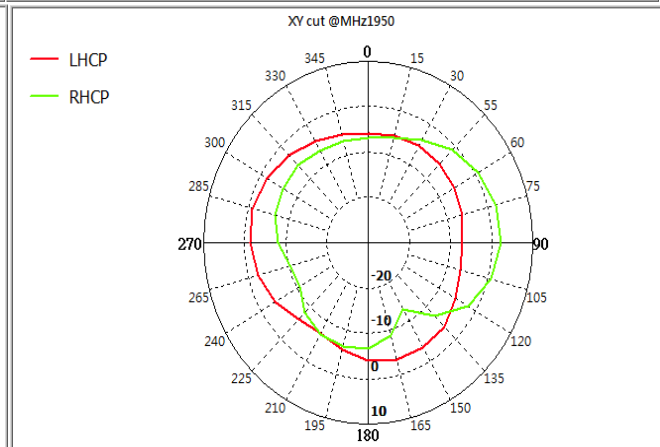
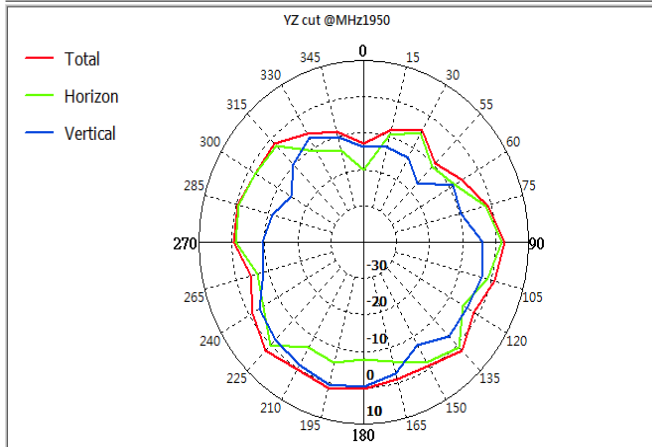
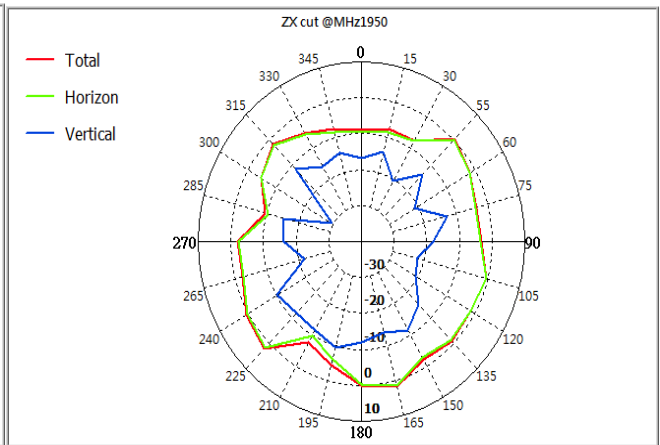
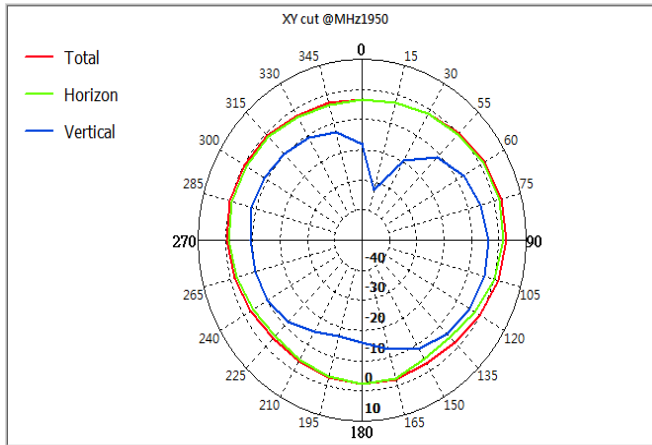


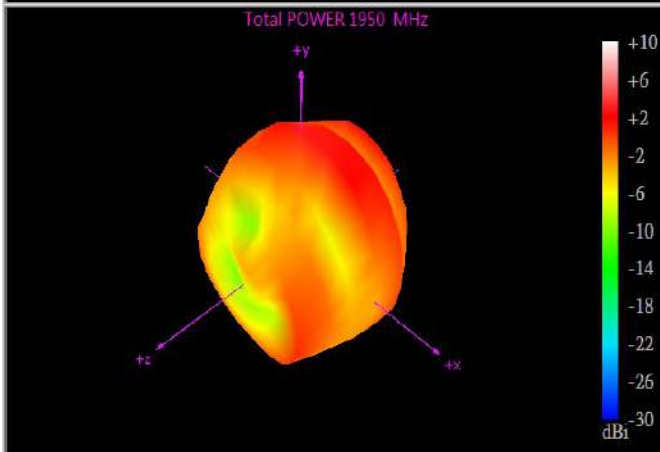
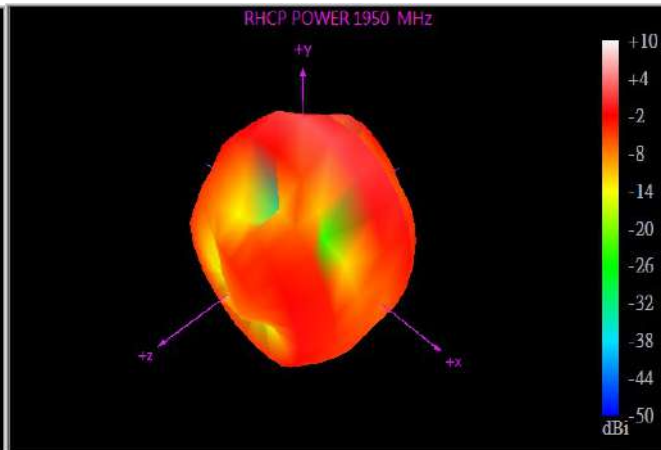
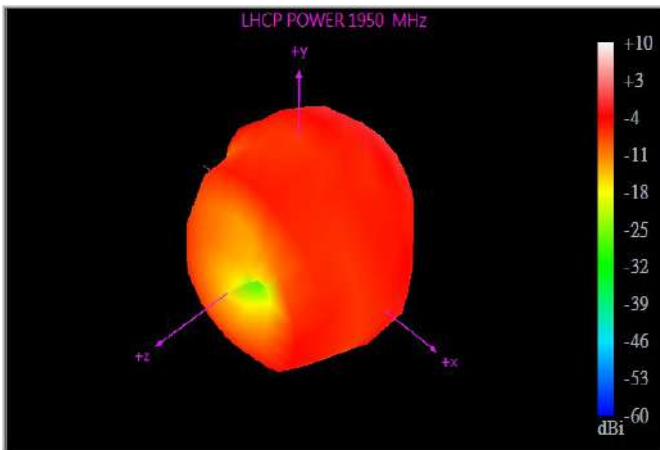
**1850Mhz:**



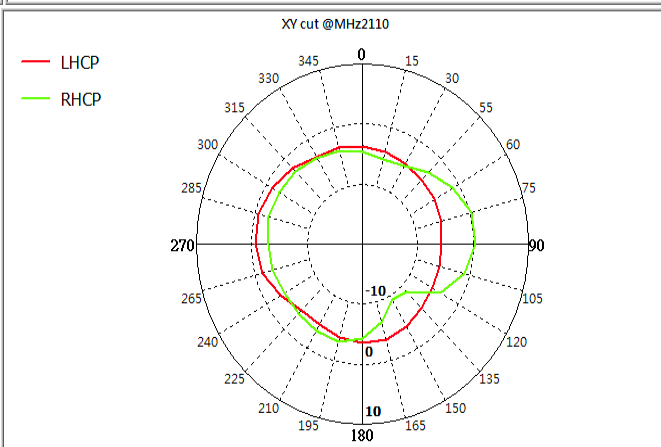
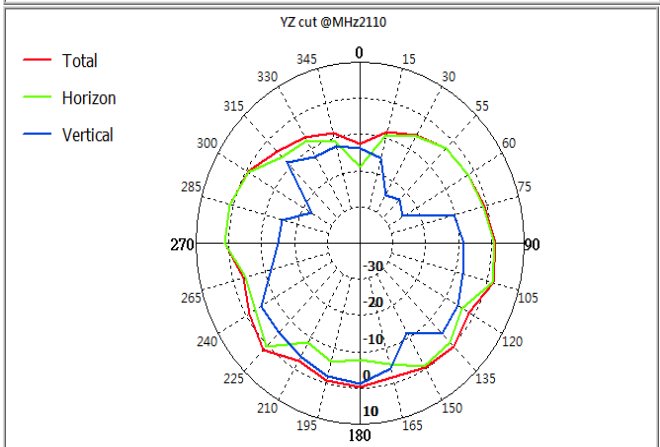
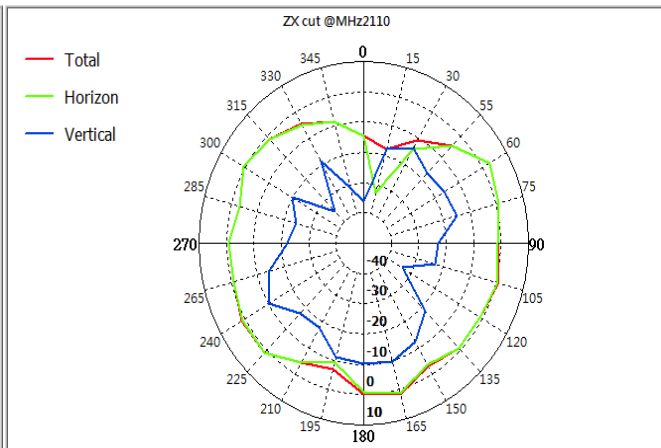
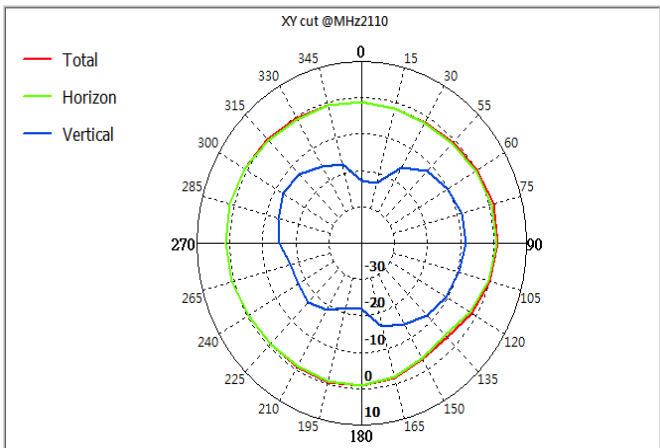


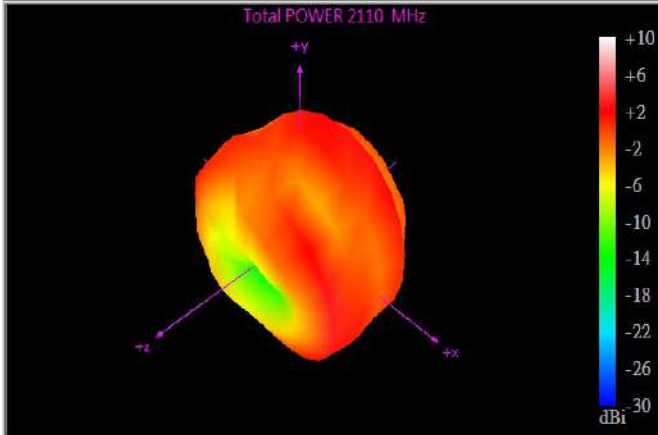
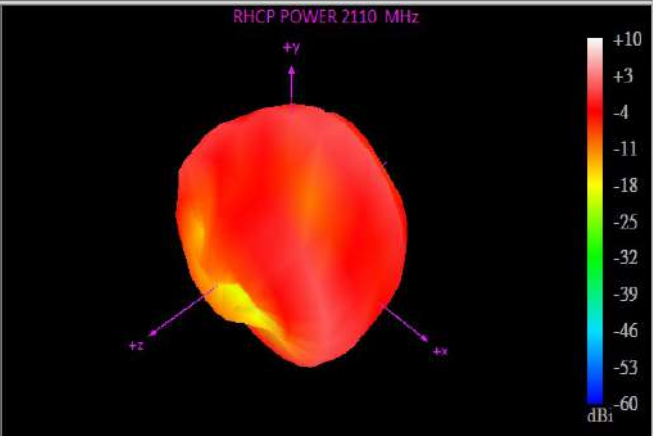
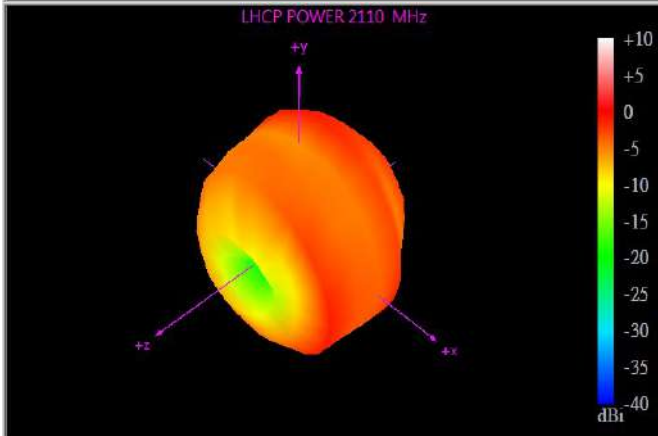
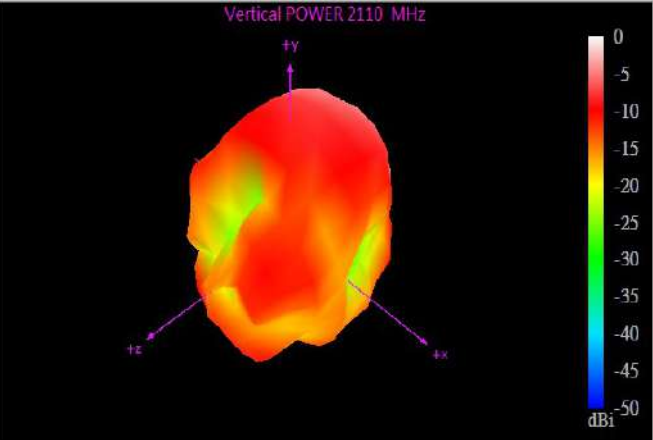
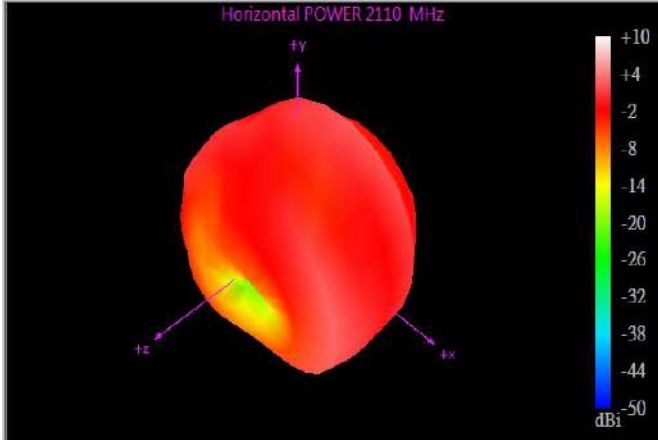
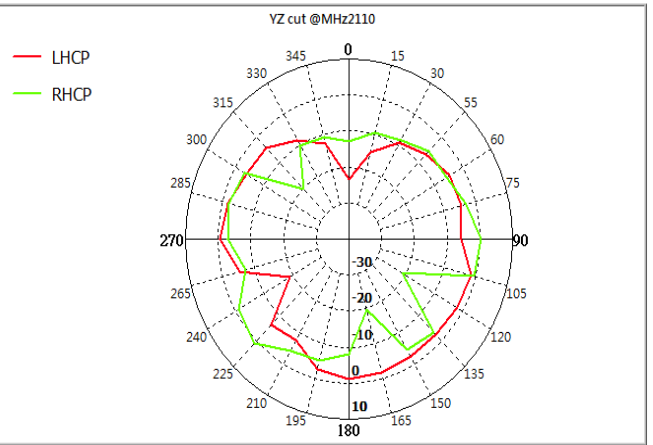
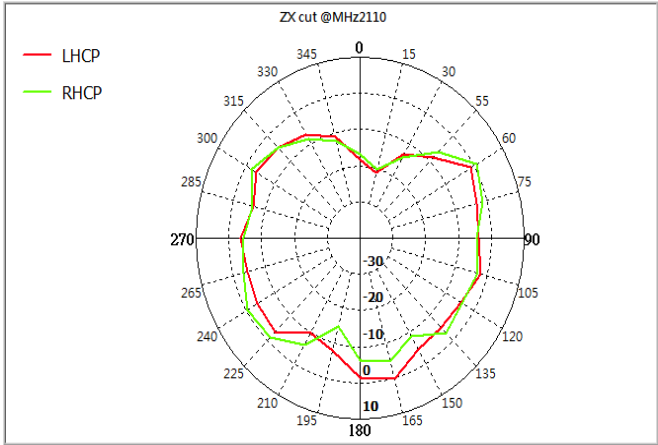
# 1950Mhz:





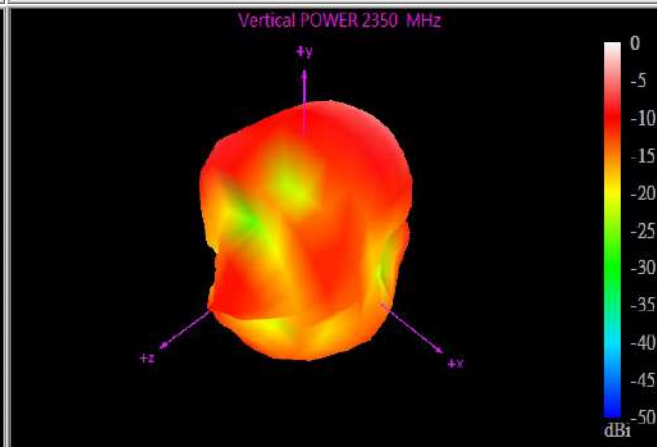
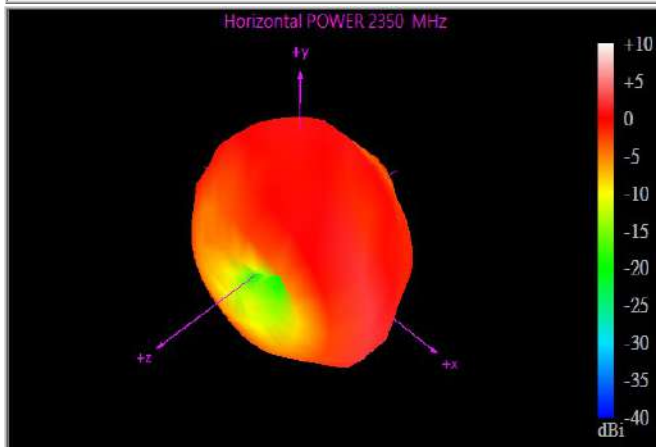
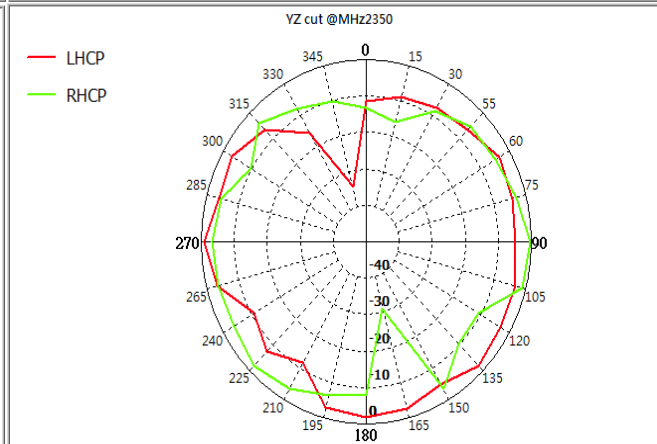
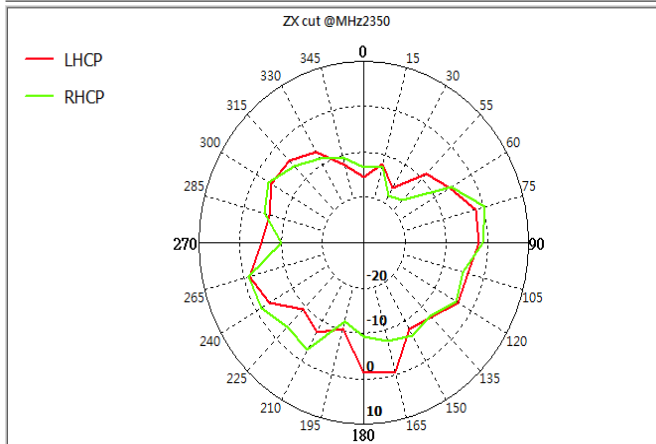
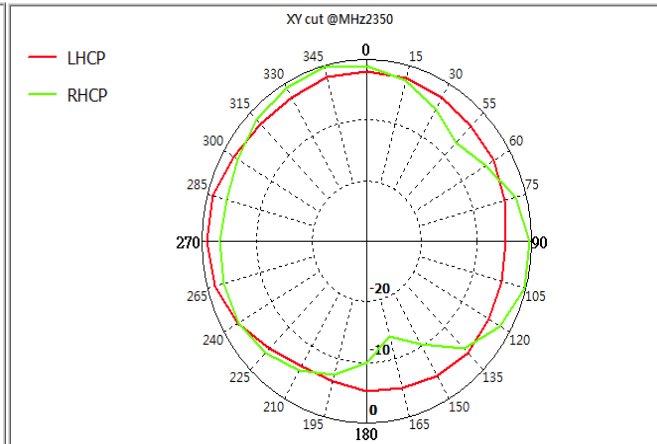
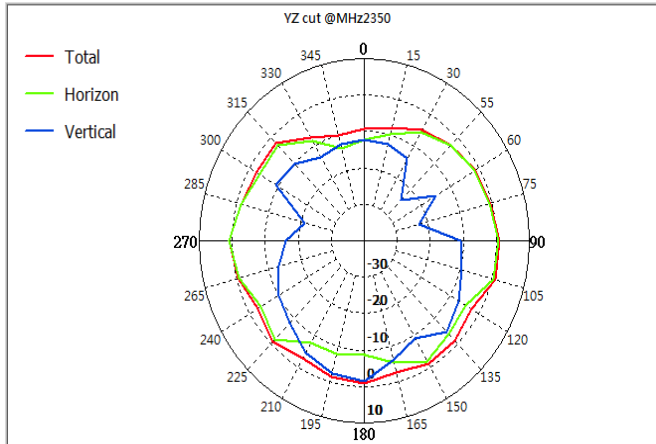
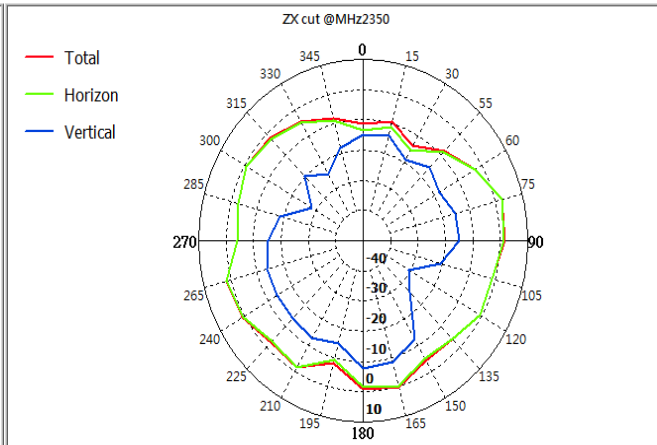
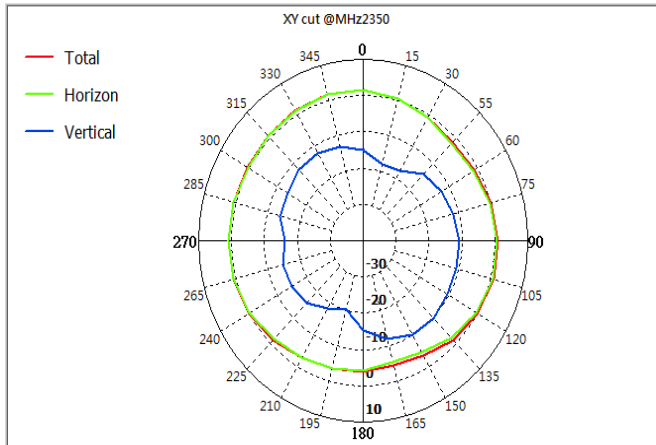
**2110MHz:**

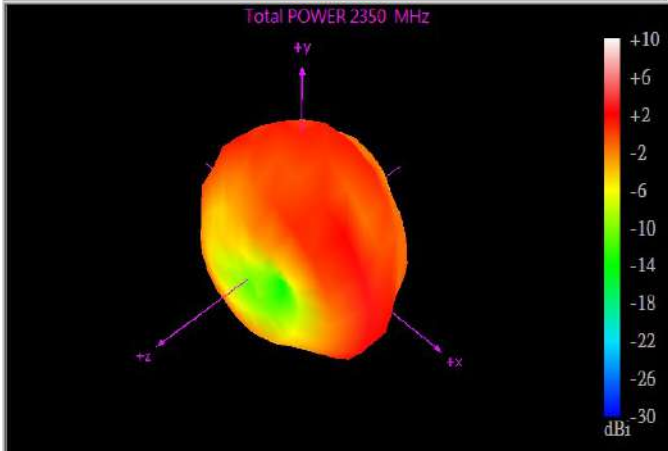
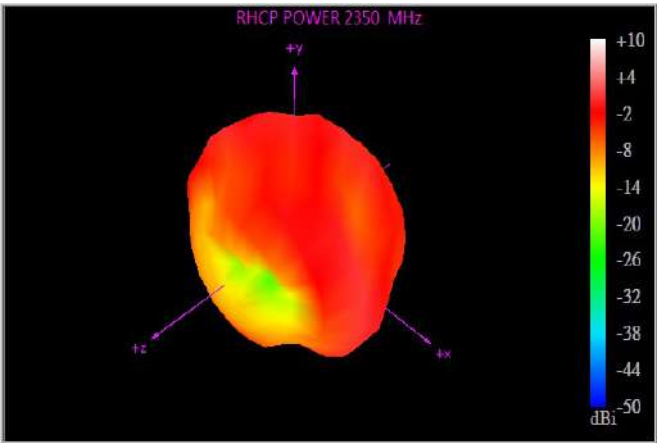
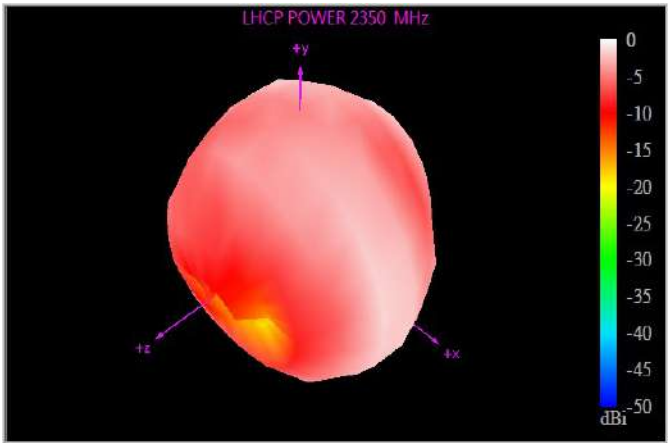




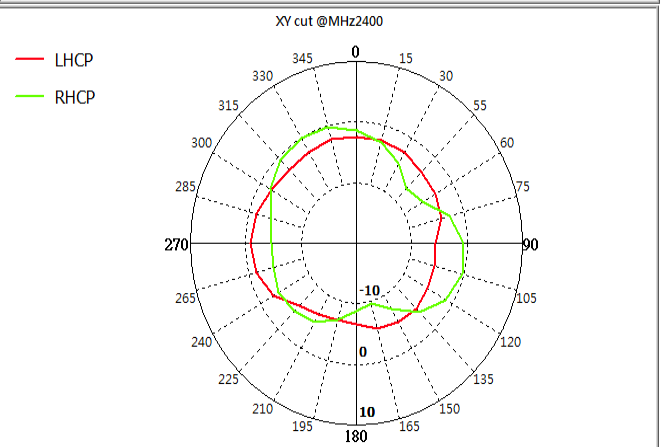
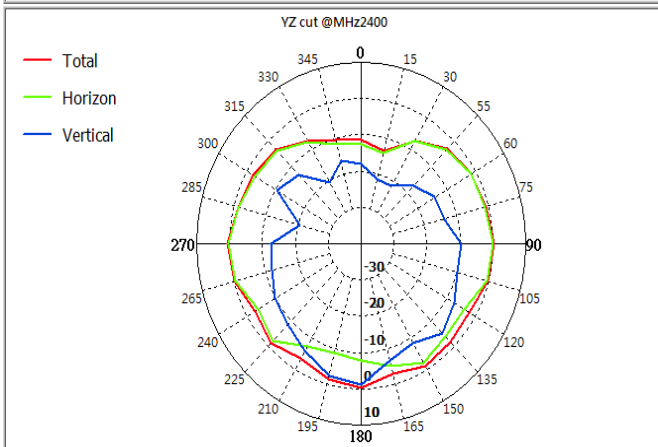
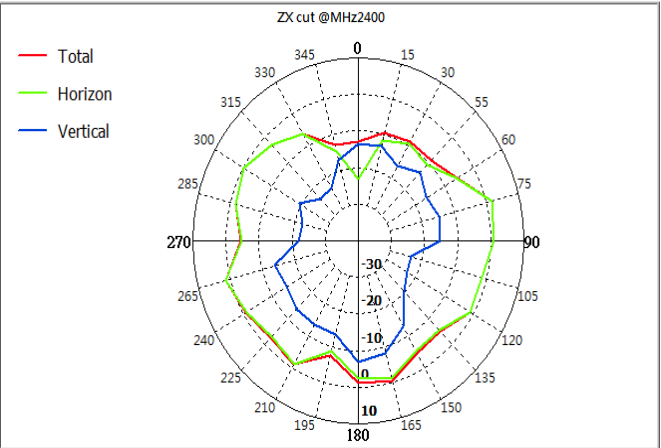
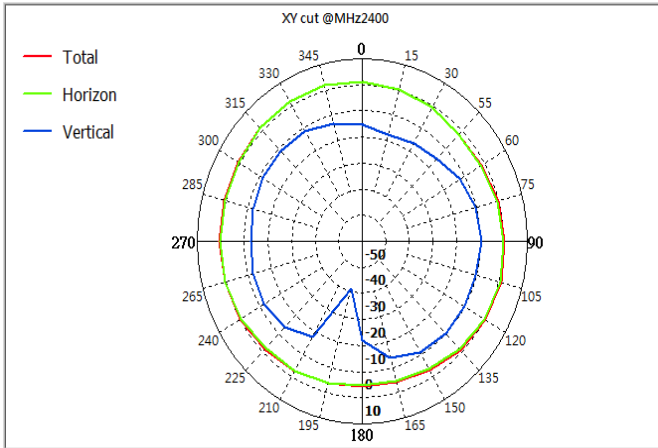


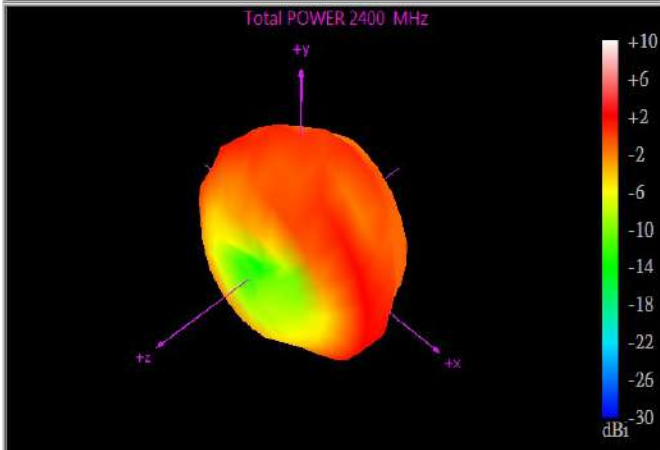
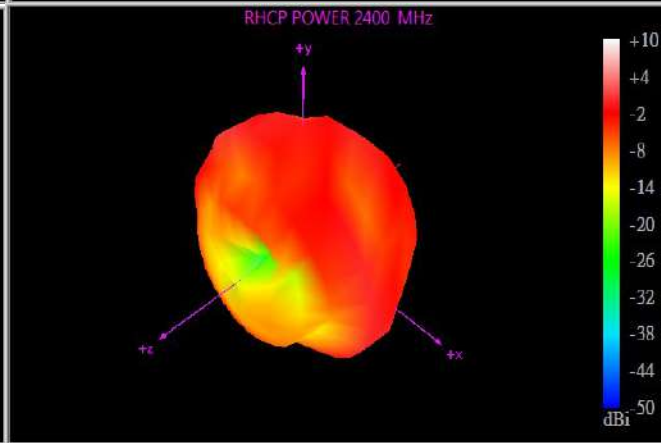
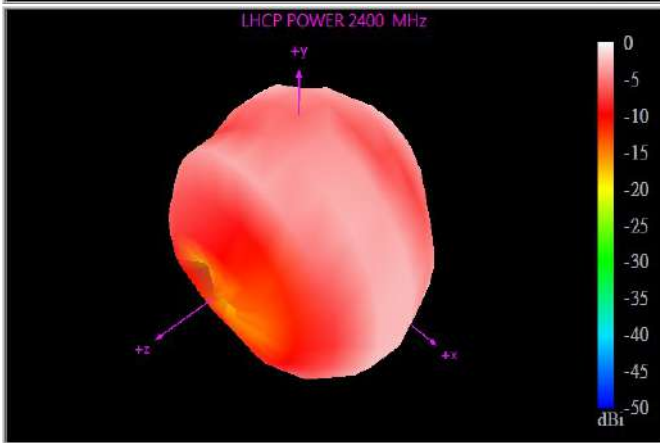
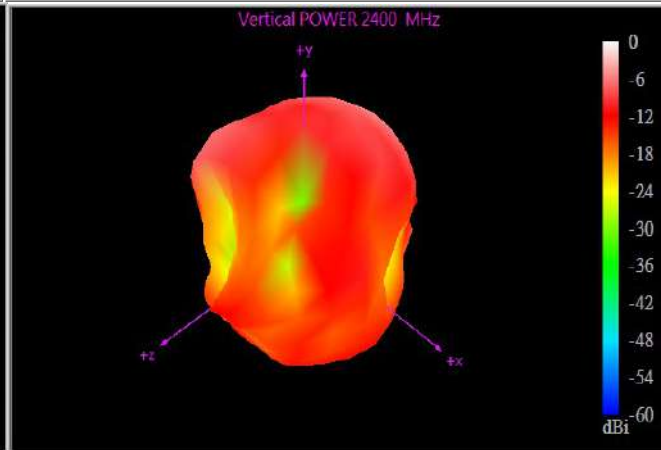
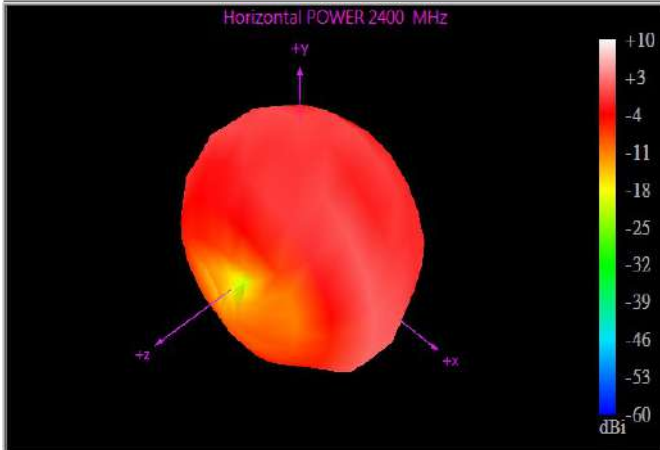
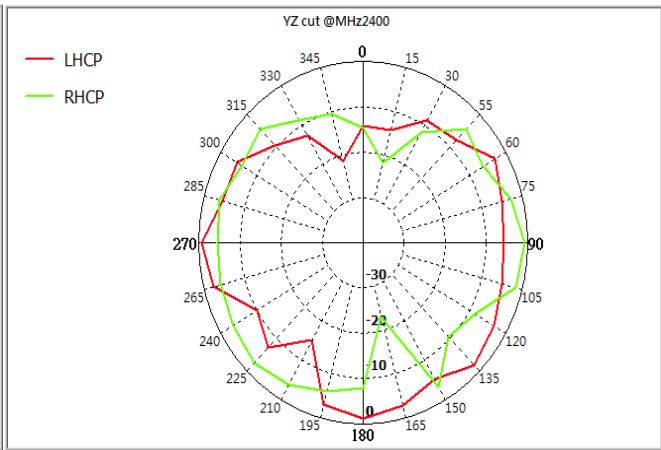
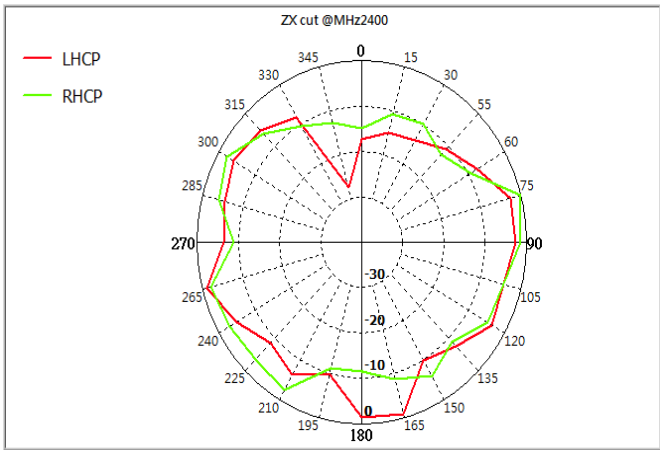
# 2350Mhz:



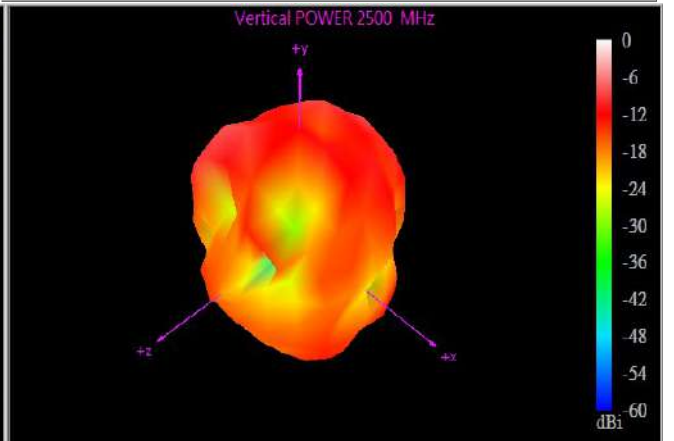
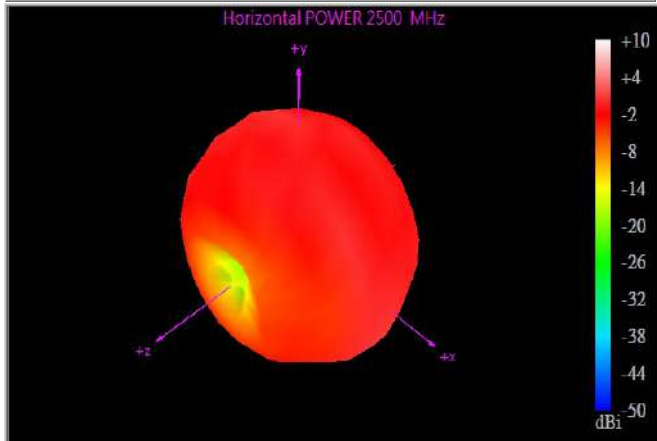
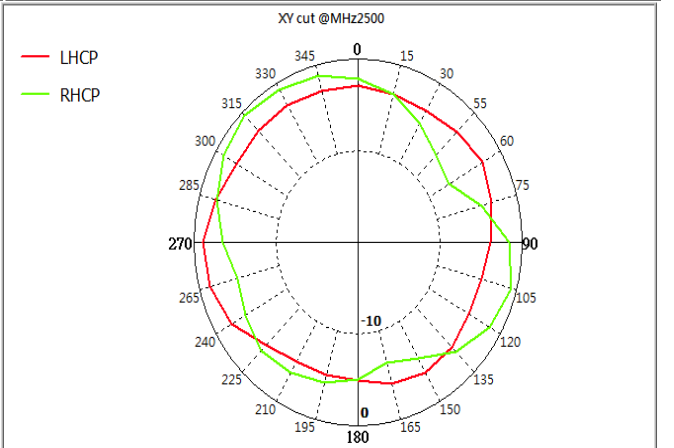
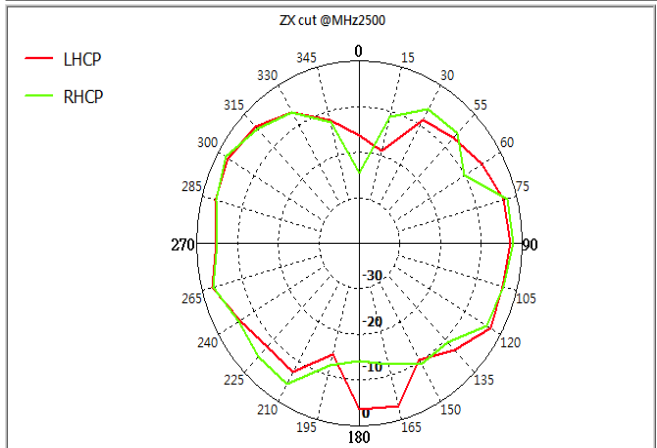
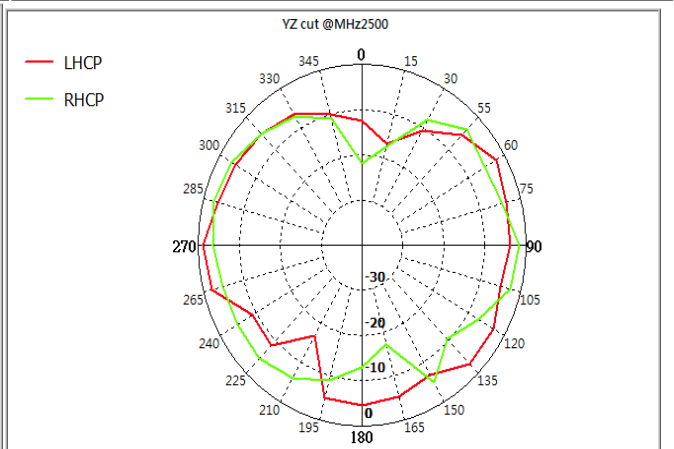
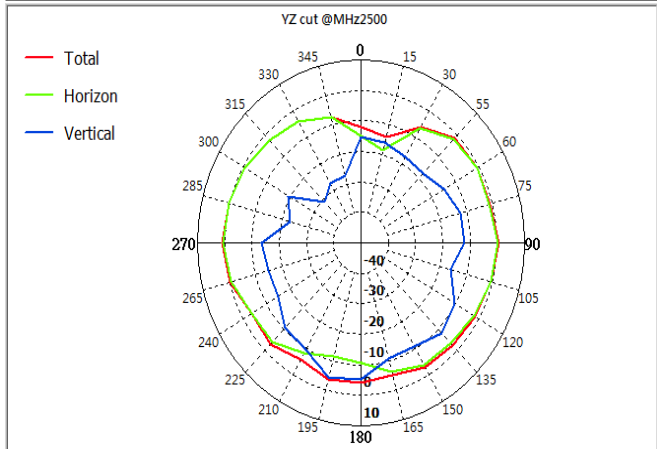
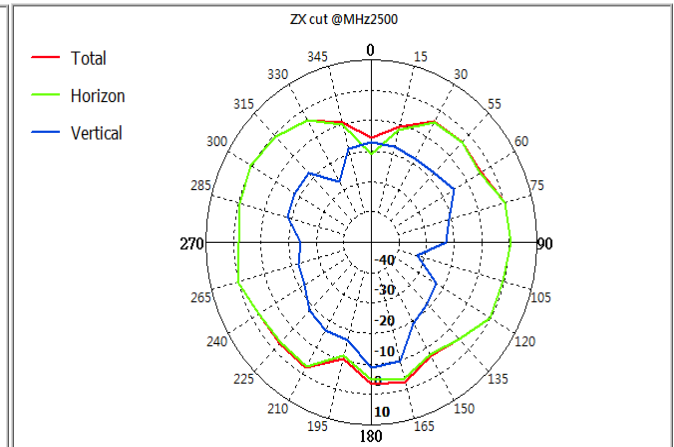
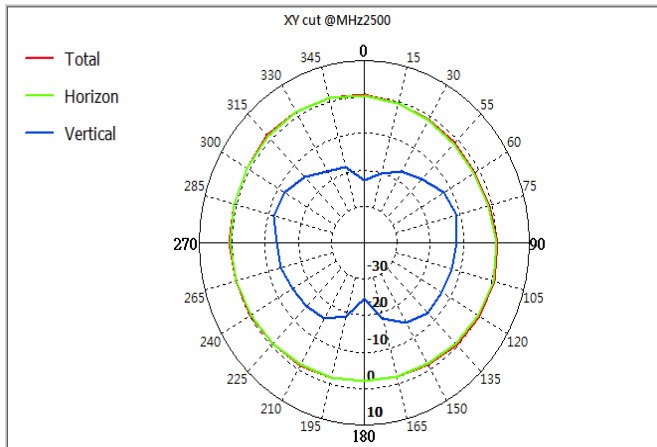


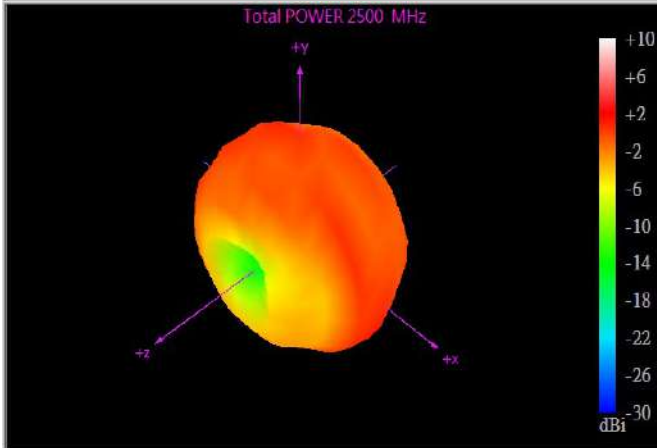
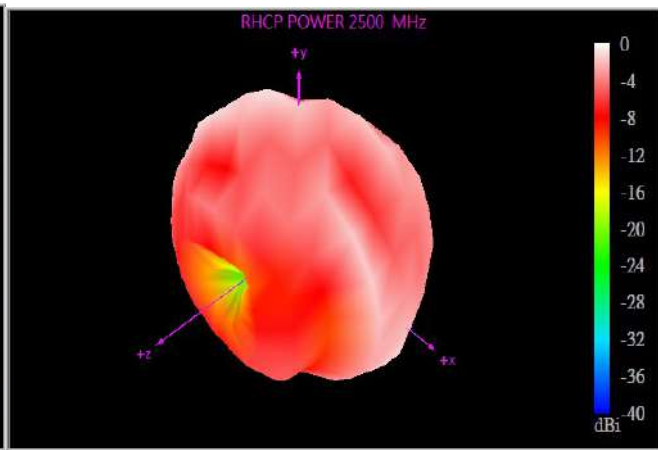
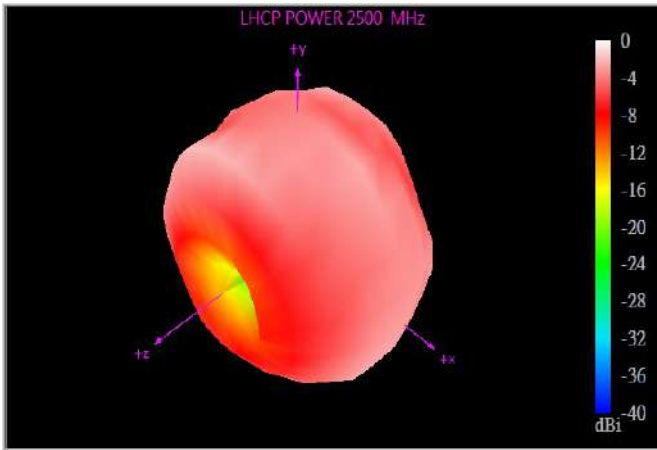
**2400Mhz:**





# 2500Mhz





**2600MHz:**

