

R.H.C.P 1~8G Passive Antenna

MODEL: PA-1080



1.. GENERAL DESCRIPTION

Model No	P/N
PA-1080	PA-1080-SMA(F)

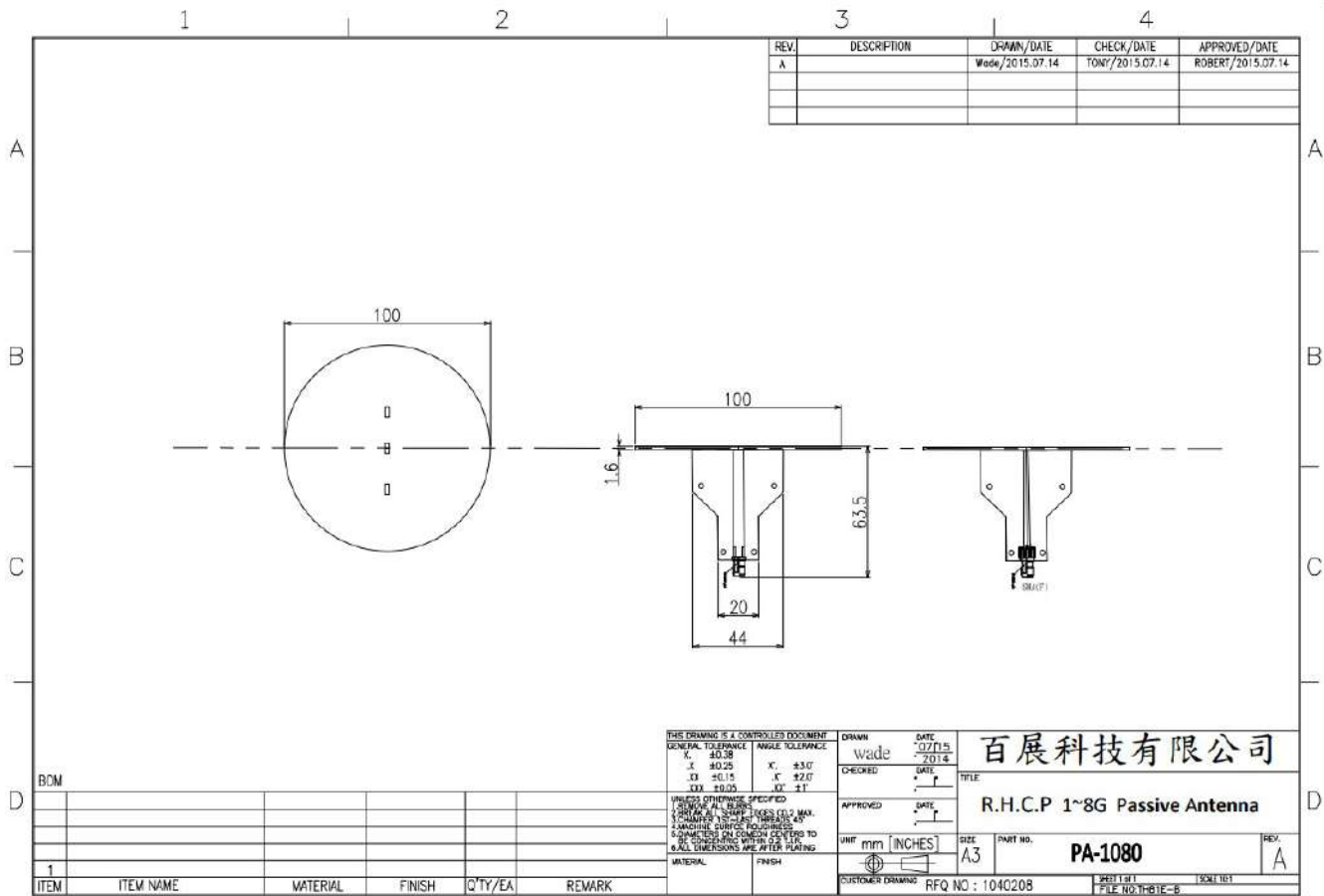
Below is a table summarizing the antenna design specification.

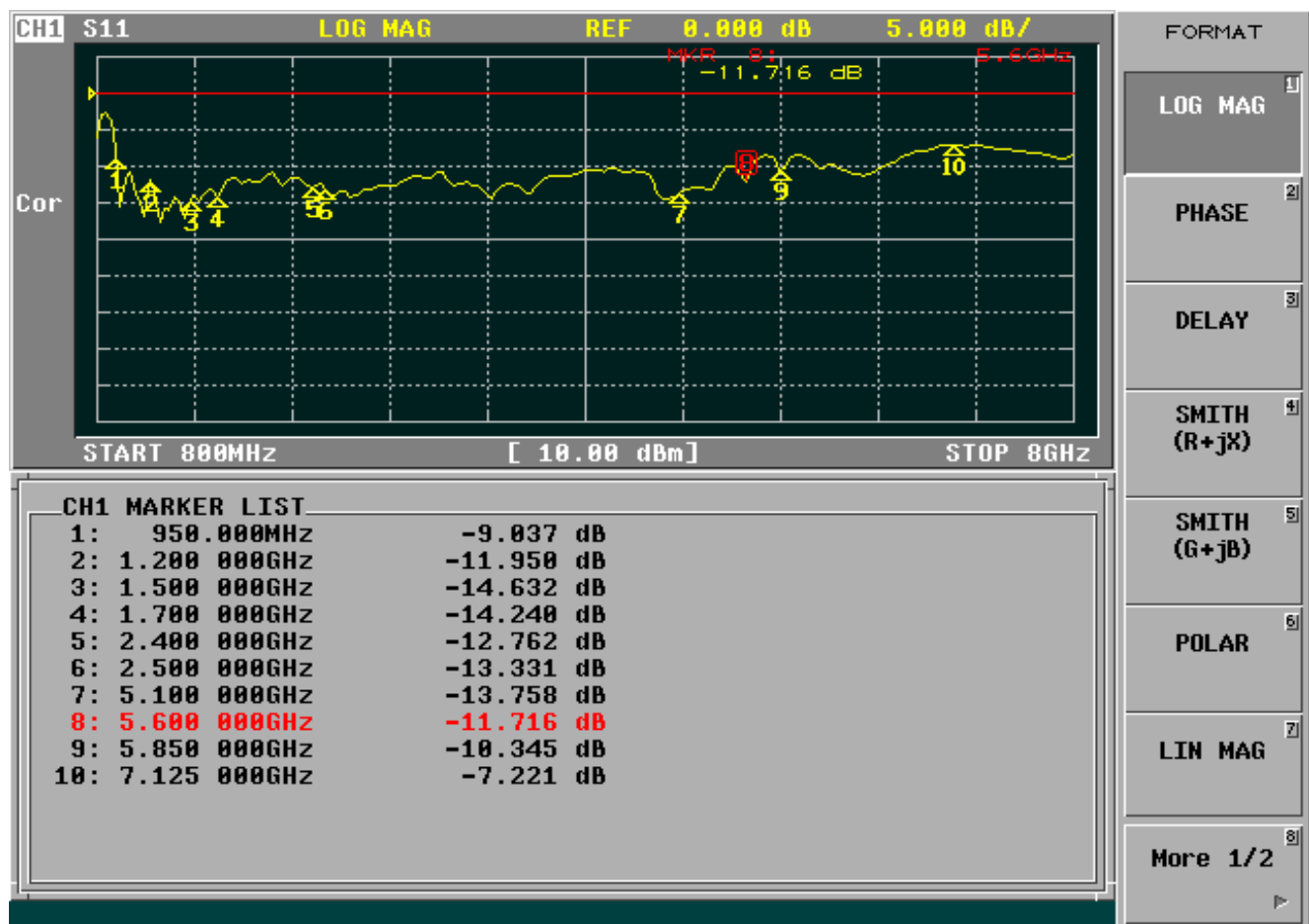
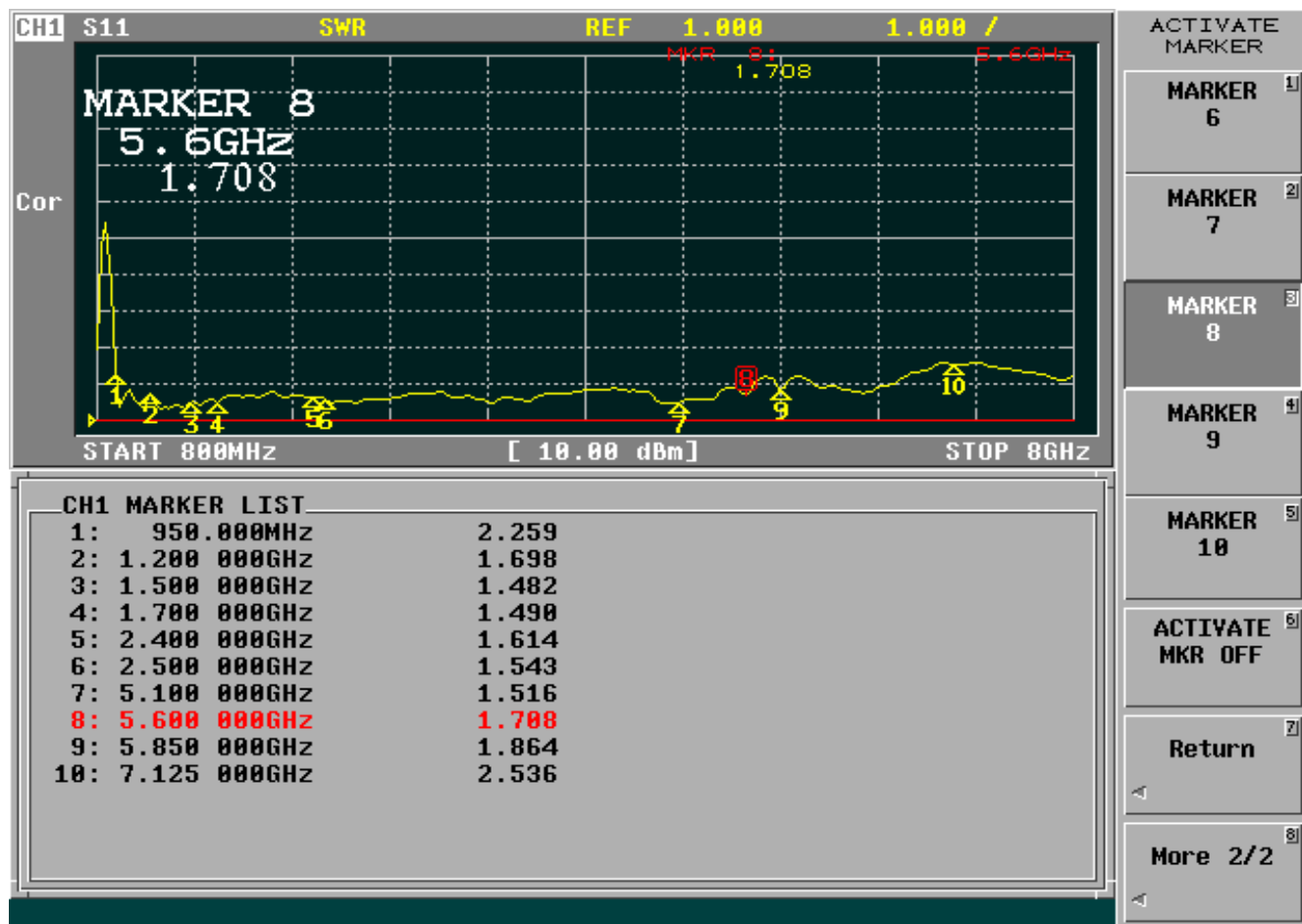
1.1 Electrical Properties

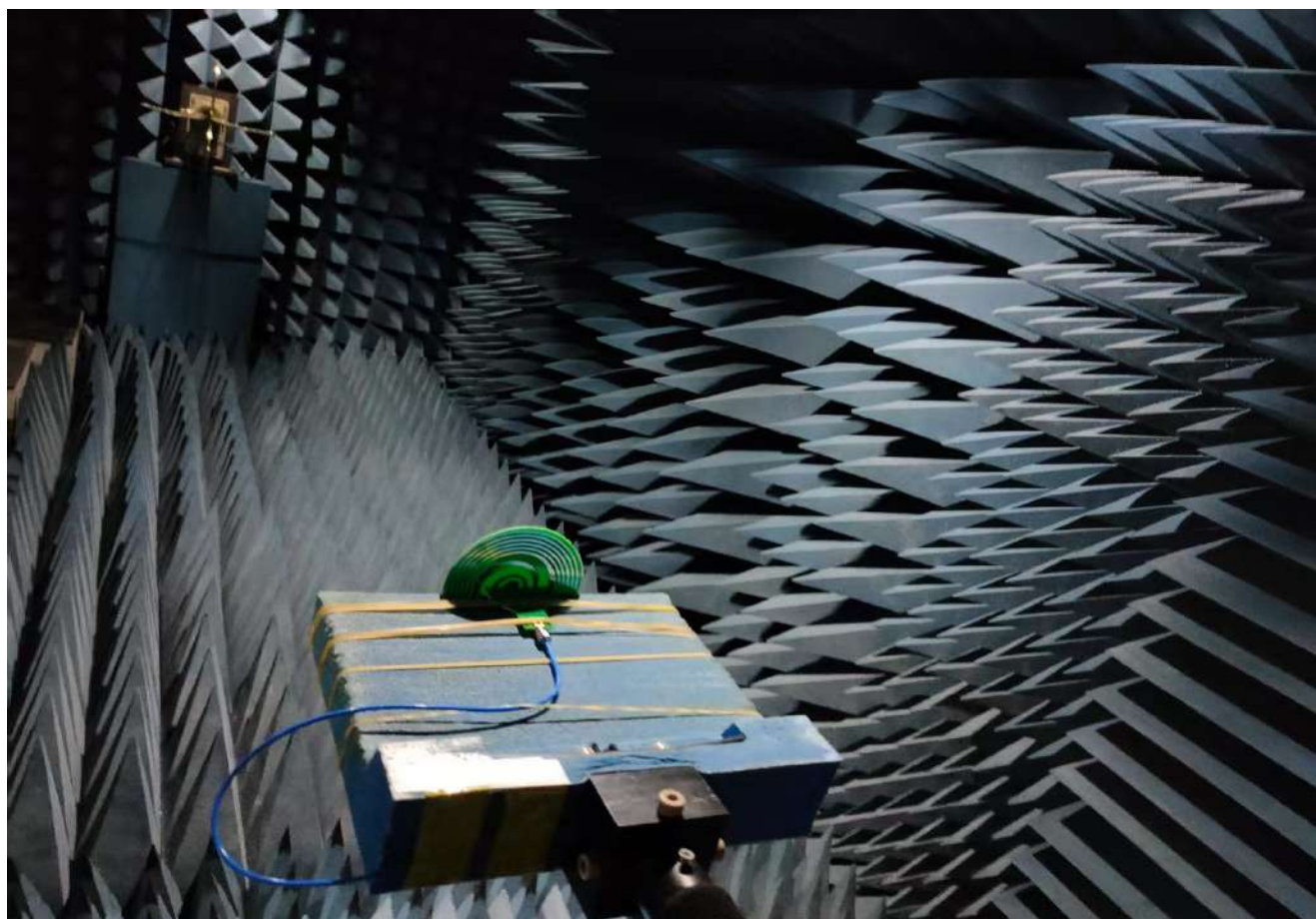
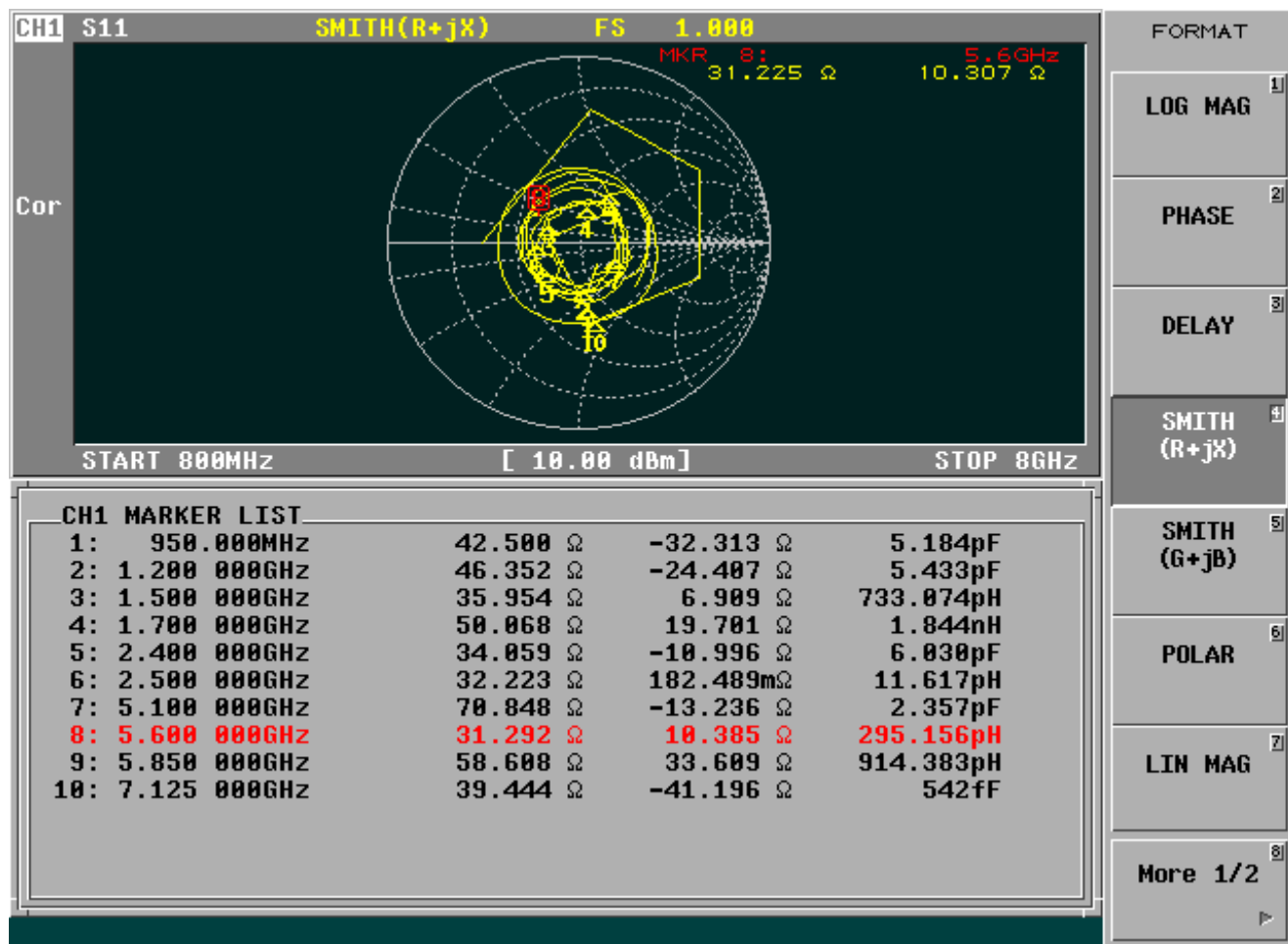
Parameter	Description
Frequency Band	1000~8000MHz
Nominal Impedance	50 ohm
Polarization	R.H.C.P.
Admitted Power radiation	10W
V.S.W.R	3.0:1 Max
Antenna Gain	2~5 dB
Note: Gain includes the cable loss	

1.2 Mechanical Properties

Parameter	Description
Antenna Type	internal Antenna
Material	FR4
Touch Type	Screw Type
Antenna Dimensions	OD100 x 63.5mm±2
Antenna Color	green
Operating Temperature Range	-40°C~+85°C
Storage Temperature Range	-40°C~+85°C







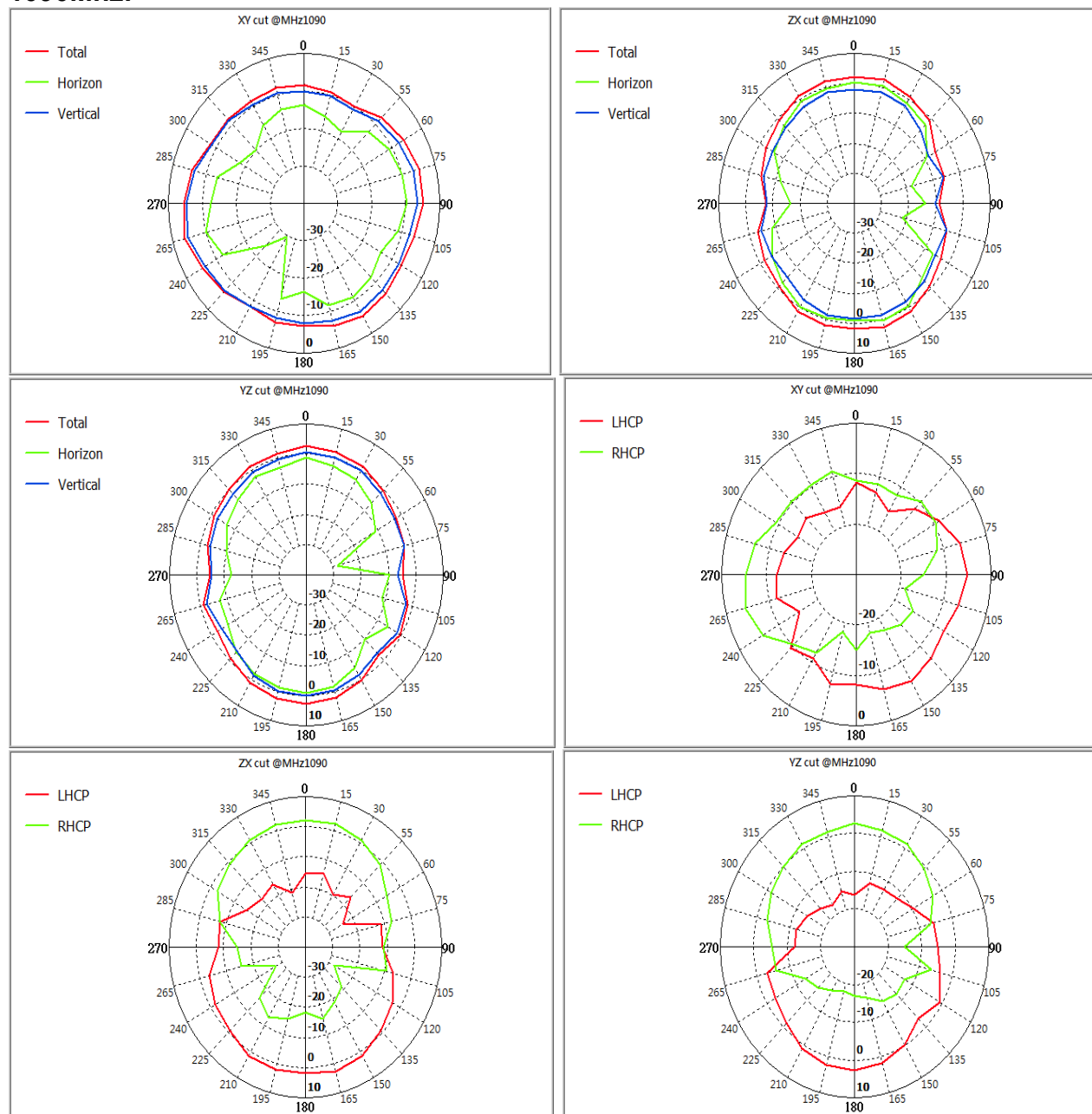
3D Total

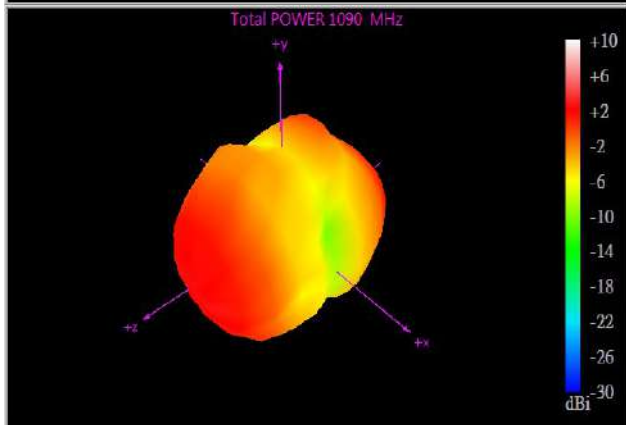
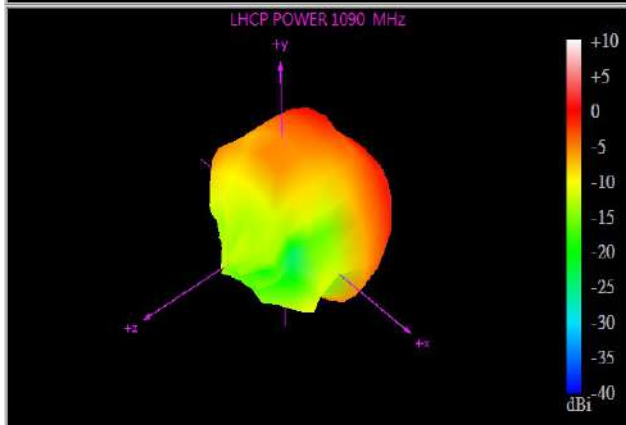
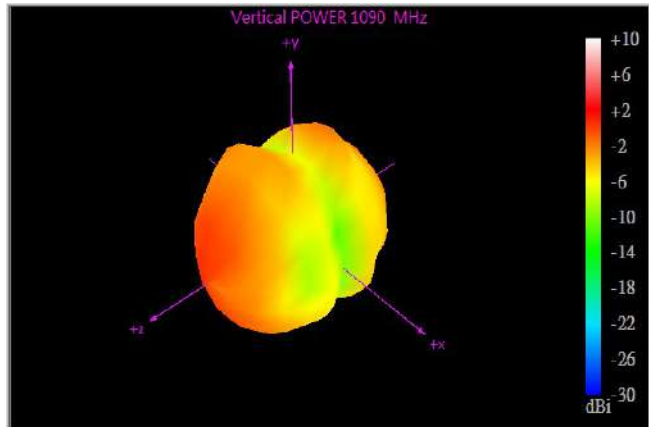
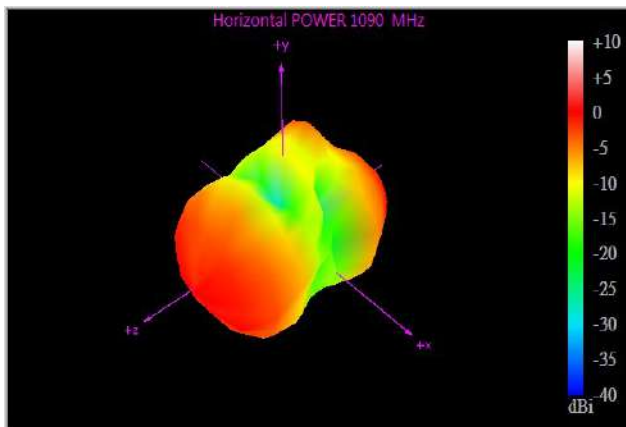
Frequency (MHz)	Upper Hem. PRP (dBm)	Lower HEM. PRP (dBm)	Efficiency (dB)	Efficiency (%)	Gain (dBi)	Tot. Rad.Pwr. (dBm)
1000 MHz	-5.31	-5.34	-2.31	58.69	2.45	-2.31
1090 MHz	-4.99	-4.82	-1.89	64.71	2.85	-1.89
1100 MHz	-5.04	-4.98	-1.99	63.17	2.98	-1.99
1170 MHz	-5.85	-5.68	-2.75	53.04	2.19	-2.75
1190 MHz	-6.50	-6.22	-3.35	46.26	1.74	-3.35
1200 MHz	-6.43	-6.15	-3.28	47.00	2.19	-3.28
1220 MHz	-6.17	-6.09	-3.12	48.78	2.56	-3.12
1230 MHz	-6.58	-6.62	-3.59	43.73	2.09	-3.59
1250 MHz	-5.52	-5.77	-2.64	54.51	2.70	-2.64
1270 MHz	-4.94	-5.08	-2.00	63.10	3.23	-2.00
1300 MHz	-5.61	-5.78	-2.69	53.84	2.22	-2.69
1350 MHz	-5.55	-5.30	-2.41	57.36	2.42	-2.41
1400 MHz	-5.92	-6.02	-2.96	50.55	2.29	-2.96
1450 MHz	-5.95	-6.46	-3.19	48.00	2.45	-3.19
1500 MHz	-5.83	-6.55	-3.17	48.25	3.09	-3.17
1550 MHz	-6.29	-6.63	-3.44	45.24	2.52	-3.44
1570 MHz	-5.82	-6.00	-2.90	51.30	2.82	-2.90
1600 MHz	-6.99	-7.15	-4.06	39.26	2.14	-4.06
1610 MHz	-6.57	-6.68	-3.62	43.49	2.54	-3.62
1620 MHz	-6.85	-7.15	-3.98	39.96	2.30	-3.98
1630 MHz	-6.79	-7.26	-4.01	39.72	2.80	-4.01
1650 MHz	-6.45	-7.13	-3.77	41.98	2.95	-3.77
1700 MHz	-6.17	-6.56	-3.35	46.29	3.48	-3.35
1800 MHz	-5.96	-6.21	-3.07	49.31	3.50	-3.07
1900 MHz	-5.85	-6.03	-2.93	50.91	3.42	-2.93
2000 MHz	-5.38	-5.41	-2.39	57.73	4.11	-2.39
2050 MHz	-5.85	-5.25	-2.53	55.84	4.26	-2.53
2100 MHz	-5.80	-5.21	-2.48	56.48	4.61	-2.48
2150 MHz	-5.98	-5.35	-2.65	54.38	4.49	-2.65
2200 MHz	-6.30	-5.86	-3.06	49.38	4.38	-3.06
2250 MHz	-6.71	-6.16	-3.41	45.55	4.05	-3.41
2300 MHz	-6.21	-5.18	-2.65	54.29	4.73	-2.65
2350 MHz	-7.17	-6.07	-3.57	43.91	3.98	-3.57
2400 MHz	-6.39	-5.54	-2.93	50.91	4.84	-2.93
2450 MHz	-5.61	-4.99	-2.28	59.21	4.80	-2.28
2500 MHz	-5.54	-5.26	-2.39	57.69	5.49	-2.39
2550 MHz	-5.72	-5.62	-2.66	54.18	5.35	-2.66
2600 MHz	-5.16	-5.37	-2.26	59.49	5.53	-2.26
2650 MHz	-5.14	-5.38	-2.25	59.56	5.69	-2.25
2700 MHz	-5.59	-5.84	-2.70	53.65	5.54	-2.70
2750 MHz	-6.18	-6.41	-3.28	46.97	5.18	-3.28

2800 MHz	-7.93	-7.79	-4.85	32.76	3.54	-4.85
2900 MHz	-6.13	-5.58	-2.83	52.07	5.52	-2.83
3000 MHz	-4.90	-4.45	-1.66	68.29	5.50	-1.66
3100 MHz	-4.80	-4.08	-1.41	72.24	5.52	-1.41
3200 MHz	-6.11	-5.01	-2.52	55.98	4.66	-2.52
3300 MHz	-7.20	-5.48	-3.24	47.39	3.90	-3.24
3400 MHz	-5.42	-4.77	-2.08	62.00	4.88	-2.08
3500 MHz	-5.29	-4.60	-1.92	64.28	5.16	-1.92
3600 MHz	-4.60	-3.59	-2.06	62.23	5.87	-2.06
3700 MHz	-6.03	-5.84	-2.92	51.03	4.02	-2.92
3800 MHz	-5.80	-6.14	-2.95	50.65	3.69	-2.95
3900 MHz	-6.18	-6.24	-3.20	47.86	3.88	-3.20
4000 MHz	-3.06	-3.45	-3.24	47.42	5.14	-3.24
4100 MHz	-4.26	-4.61	-3.42	45.49	4.85	-3.42
4200 MHz	-3.69	-3.86	-3.54	44.25	5.87	-3.54
4300 MHz	-2.41	-3.29	-3.68	42.85	4.72	-3.68
4400 MHz	-7.18	-6.92	-4.04	39.46	2.65	-4.04
4500 MHz	-8.76	-8.39	-5.56	27.79	2.01	-5.56
4600 MHz	-7.20	-7.55	-4.36	36.64	1.86	-4.36
4700 MHz	-6.78	-5.86	-3.29	46.91	4.35	-3.29
4800 MHz	-7.17	-6.93	-4.04	39.43	2.53	-4.04
4900 MHz	-8.23	-7.59	-4.89	32.46	1.86	-4.89
5000 MHz	-9.59	-10.02	-5.19	30.27	1.06	-5.19
5100 MHz	-8.50	-9.08	-4.77	33.34	0.97	-4.77
5200 MHz	-5.99	-6.34	-3.16	48.36	3.03	-3.16
5300 MHz	-7.00	-7.53	-4.25	37.61	1.71	-4.25
5400 MHz	-5.70	-5.48	-2.58	55.23	4.39	-2.58
5500 MHz	-7.31	-7.73	-4.51	35.43	2.87	-4.51
5600 MHz	-6.21	-6.63	-3.41	45.65	3.05	-3.41
5700 MHz	-5.63	-5.53	-2.57	55.38	4.05	-2.57
5800 MHz	-6.85	-6.73	-3.78	41.88	2.56	-3.78
5900 MHz	-7.63	-7.48	-4.54	35.15	3.30	-4.54
6000 MHz	-7.59	-6.95	-4.25	37.57	3.45	-4.25
6100 MHz	-7.37	-6.76	-4.04	39.41	3.63	-4.04
6200 MHz	-7.43	-6.92	-4.16	38.39	4.01	-4.16
6300 MHz	-4.33	-3.88	-2.09	61.80	4.99	-2.09
6400 MHz	-5.58	-5.72	-2.64	54.47	5.37	-2.64
6500 MHz	-5.71	-7.30	-3.42	45.50	3.77	-3.42
6600 MHz	-6.56	-8.26	-4.32	37.01	3.46	-4.32
6700 MHz	-7.47	-9.24	-5.26	29.81	2.78	-5.26
6800 MHz	-6.81	-8.94	-4.73	33.64	2.82	-4.73
6900 MHz	-7.33	-8.29	-4.77	33.34	3.14	-4.77
7000 MHz	-4.94	-5.98	-2.42	57.33	5.12	-2.42
7100 MHz	-6.25	-7.29	-3.73	42.35	3.29	-3.73

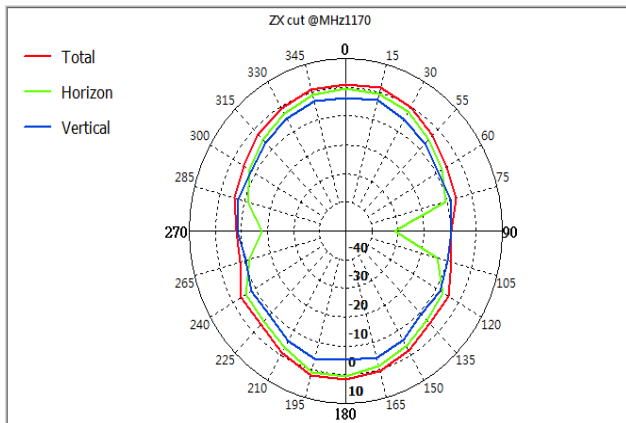
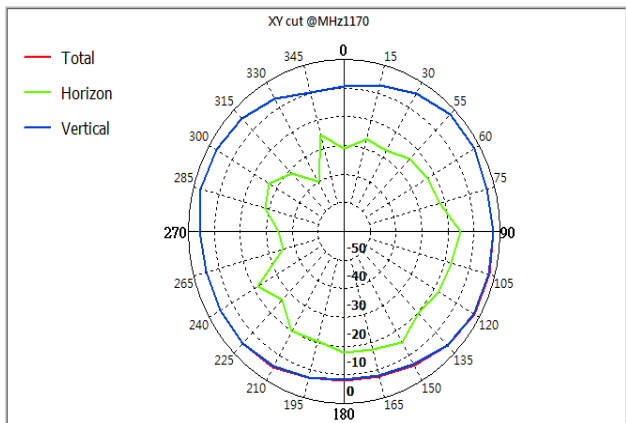
7200 MHz	-7.33	-8.78	-4.98	31.76	2.73	-4.98
7300 MHz	0.24	-0.83	-3.86	41.11	4.15	-3.86
7400 MHz	-4.44	-4.81	-4.25	37.58	4.79	-4.25
7500 MHz	-0.12	-0.57	-4.31	37.06	2.24	-4.31
7600 MHz	2.14	1.73	-4.96	31.90	4.18	-4.96
7700 MHz	13.12	13.33	-4.51	35.39	5.48	-4.51

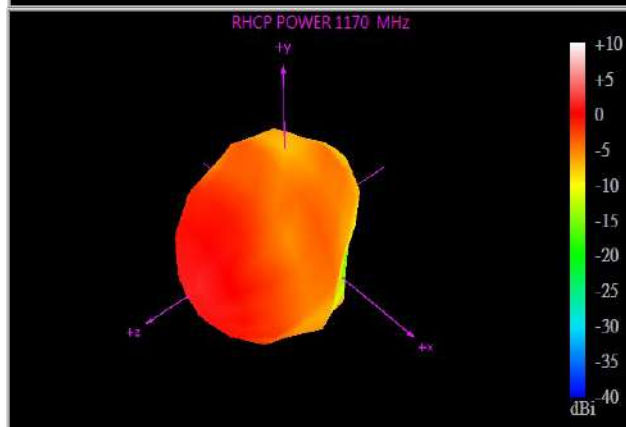
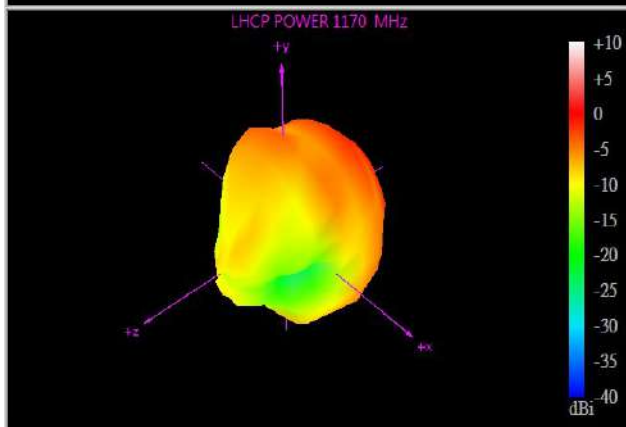
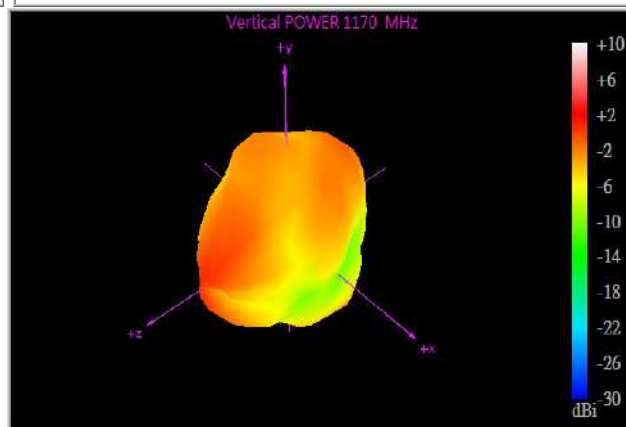
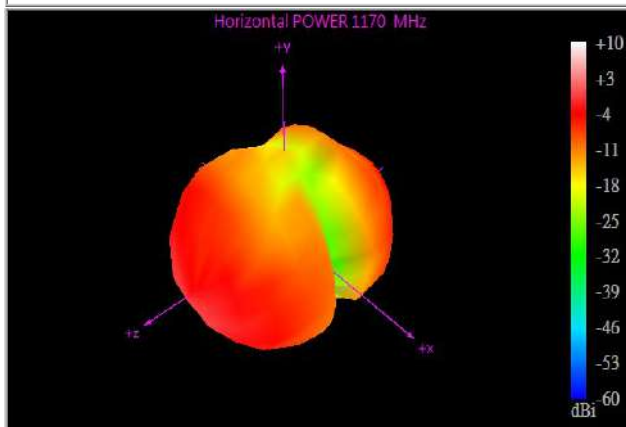
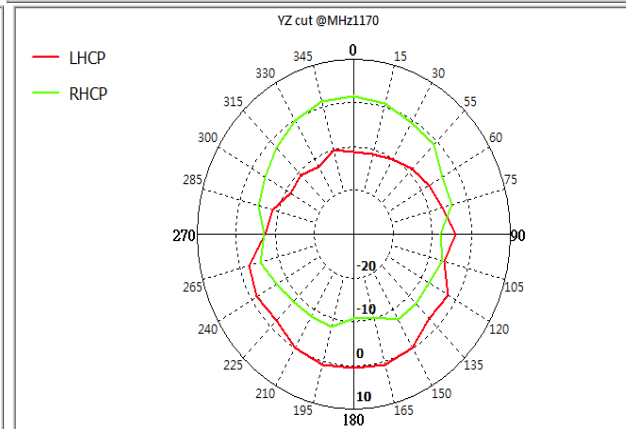
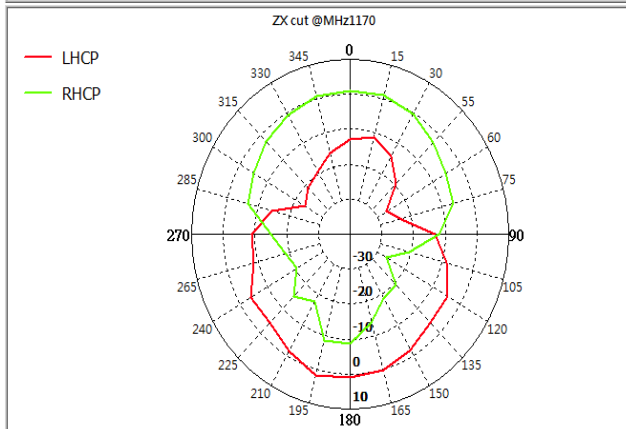
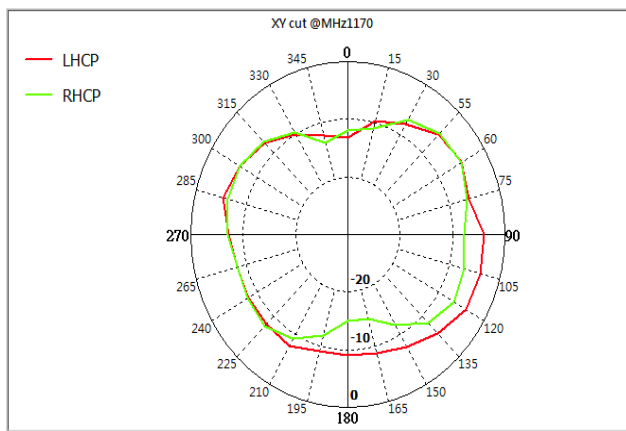
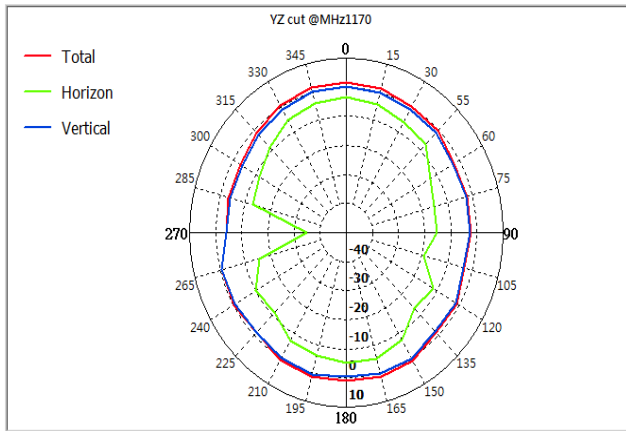
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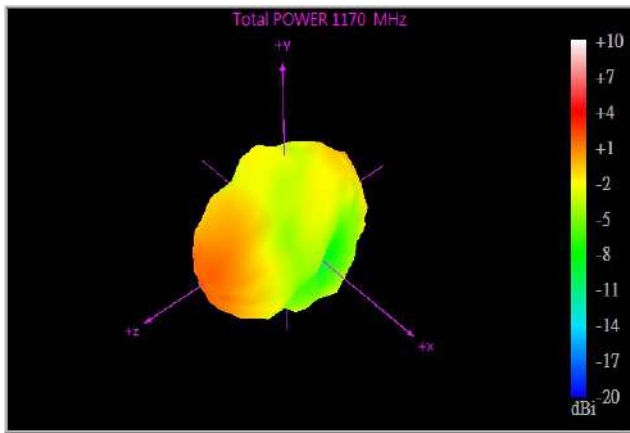




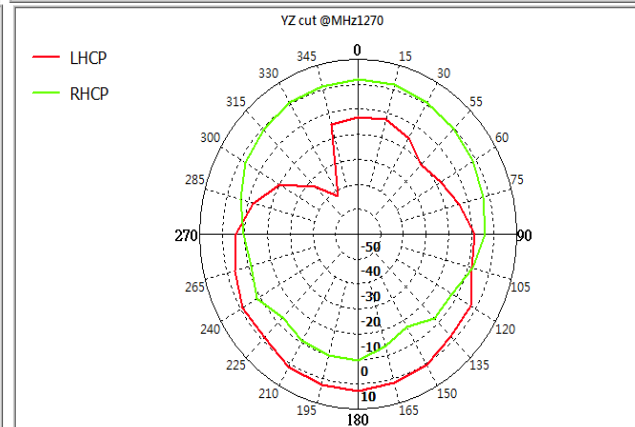
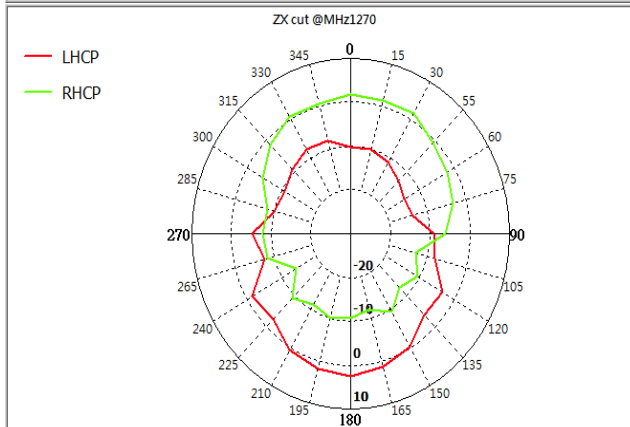
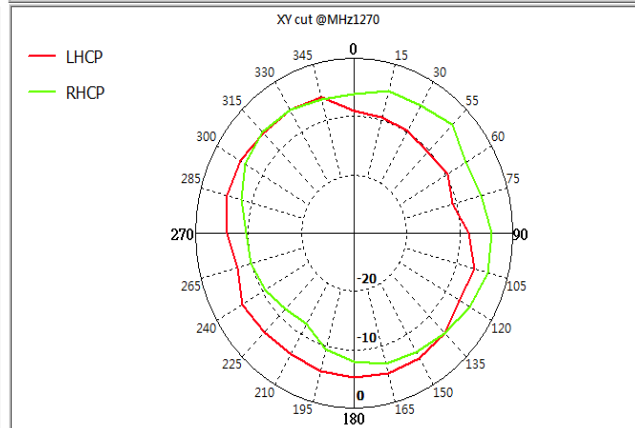
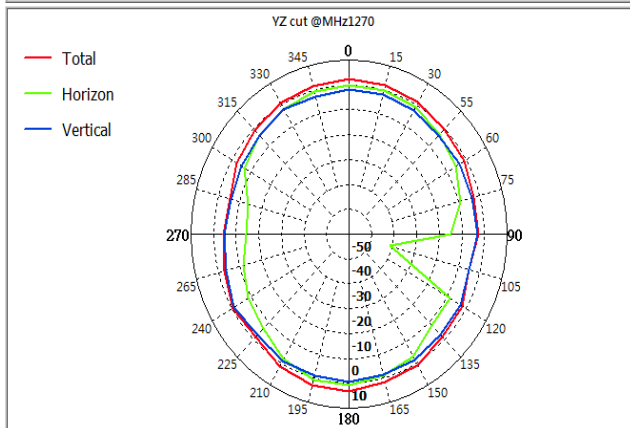
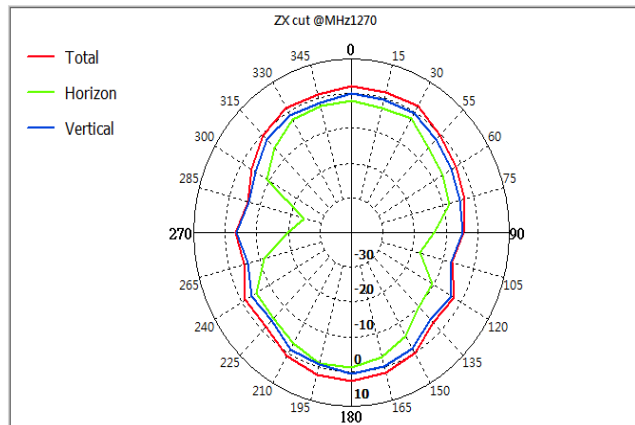
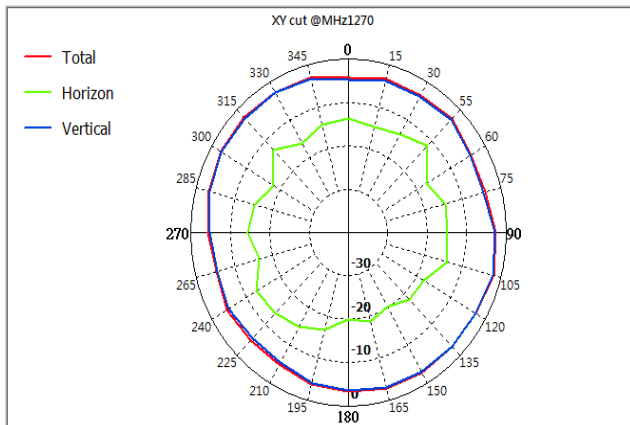
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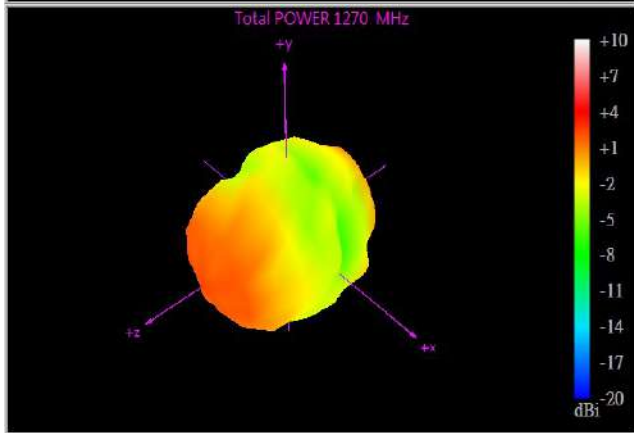
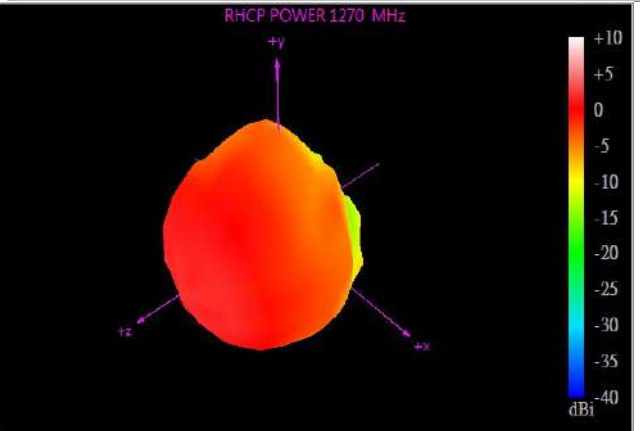
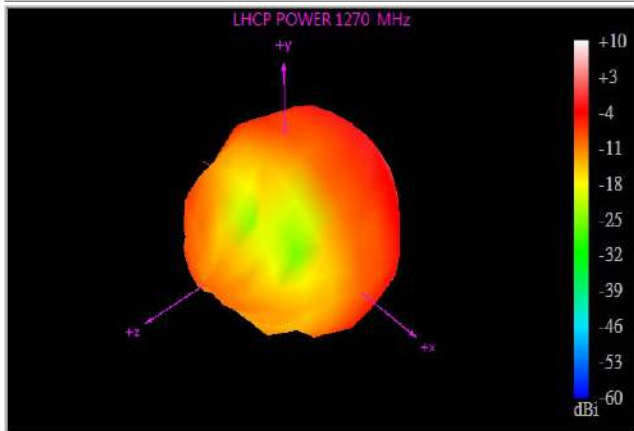
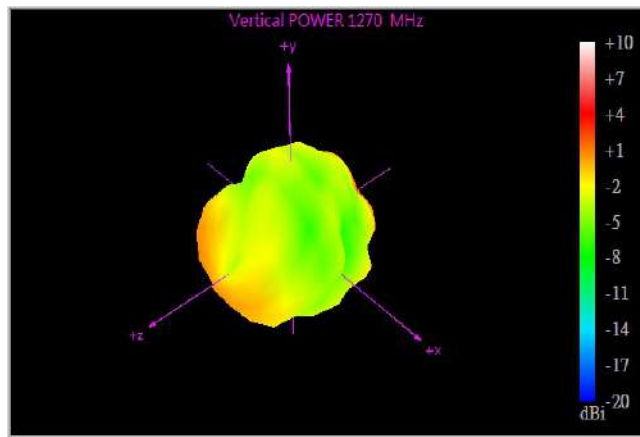
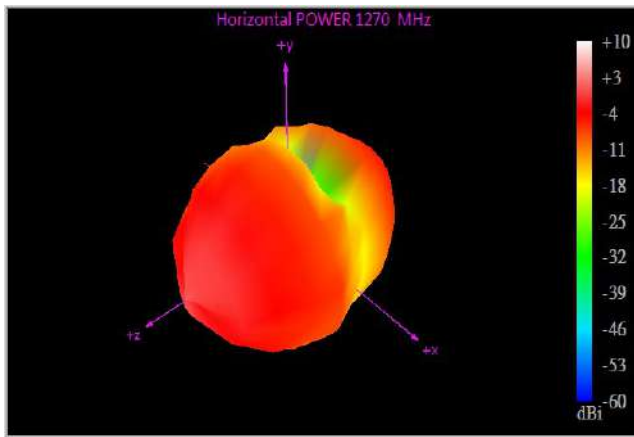




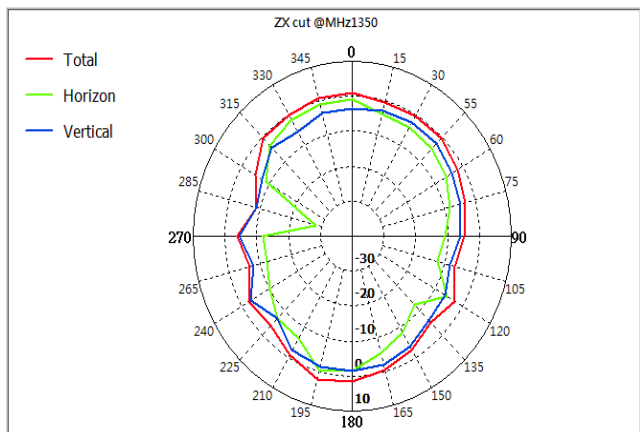
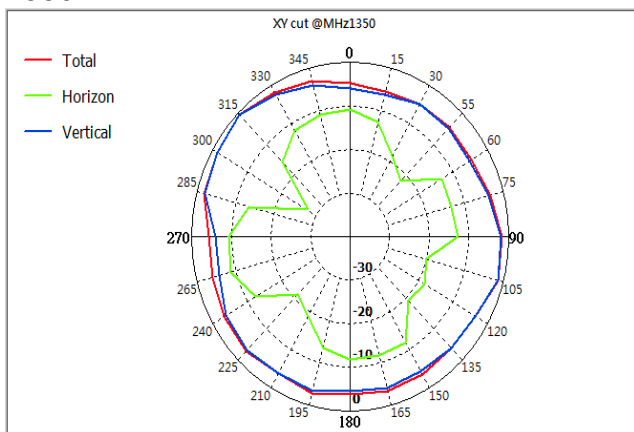


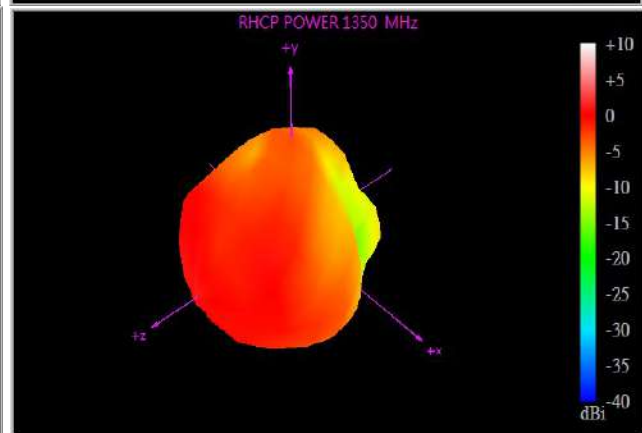
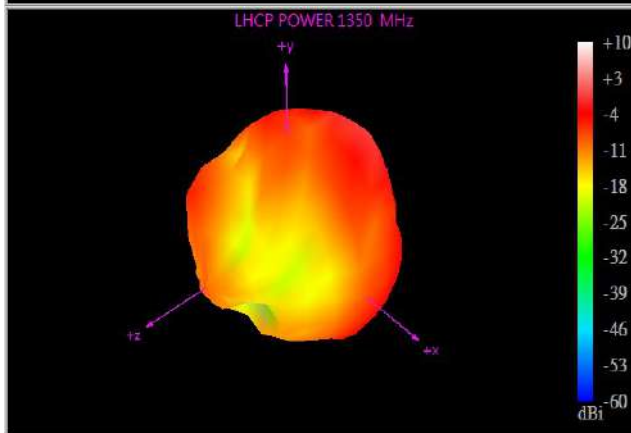
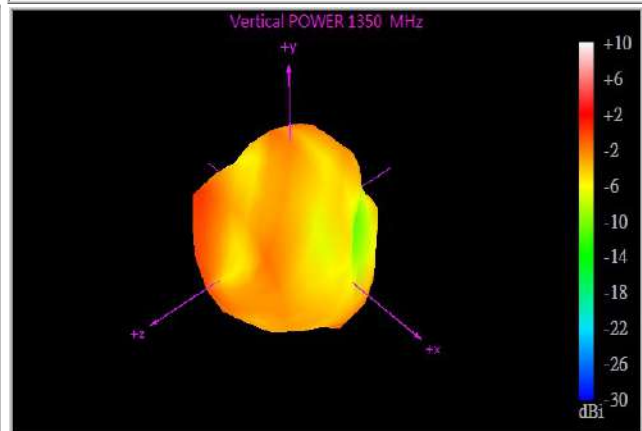
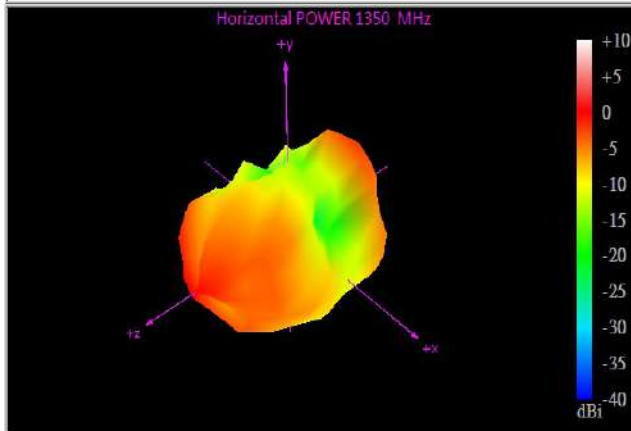
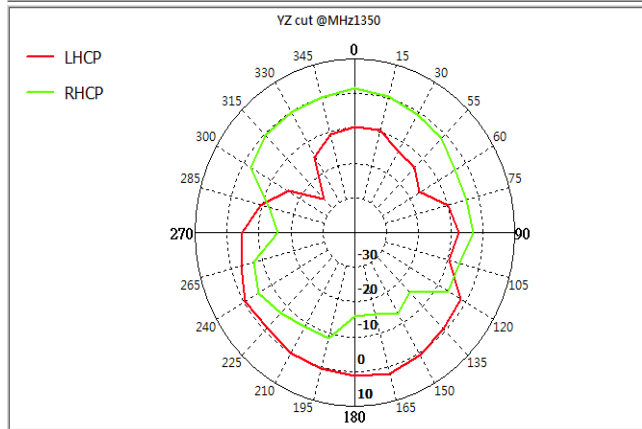
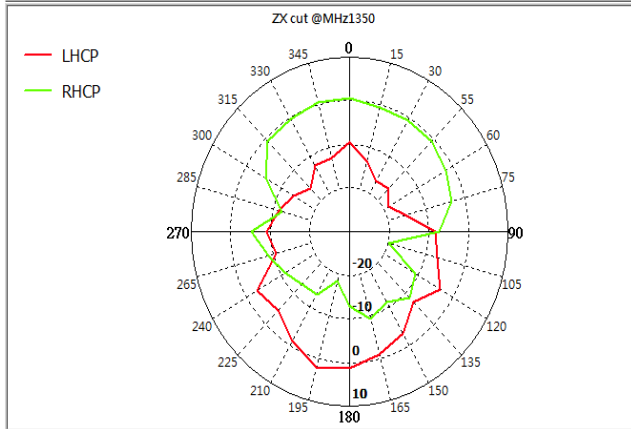
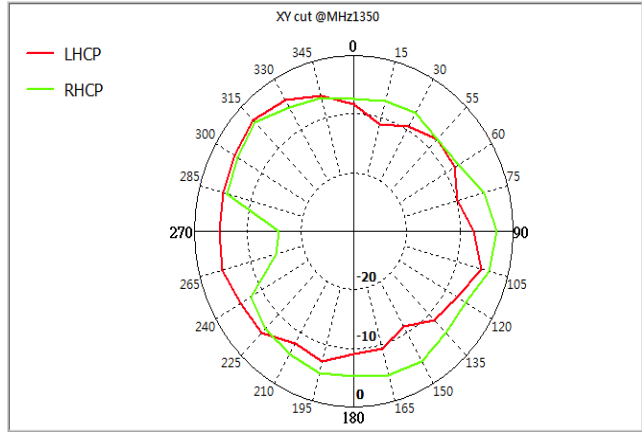
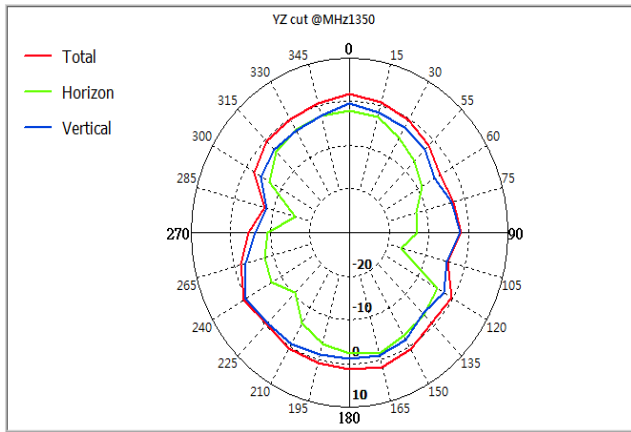
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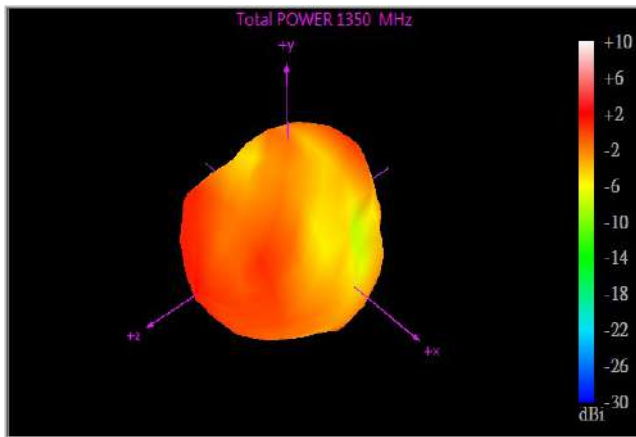




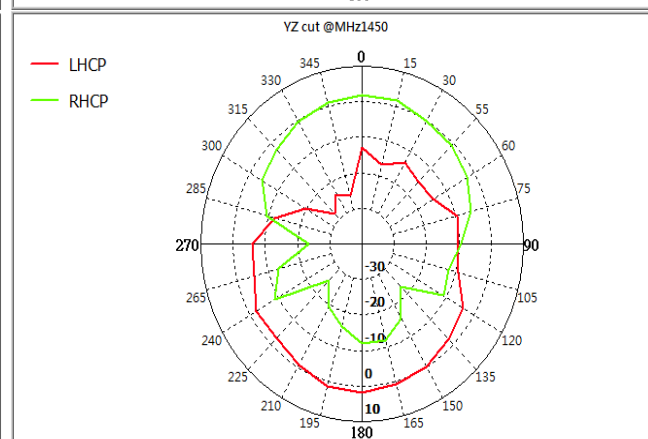
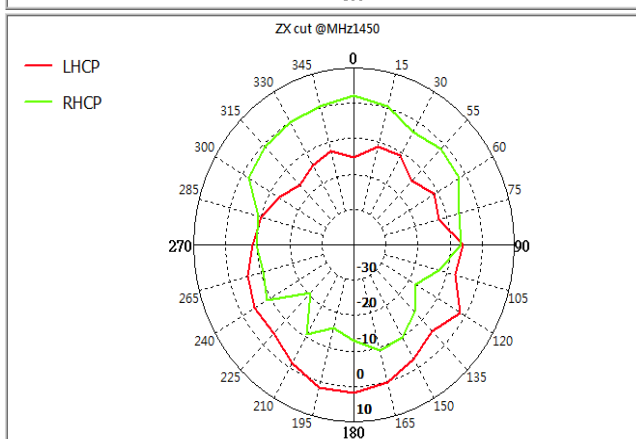
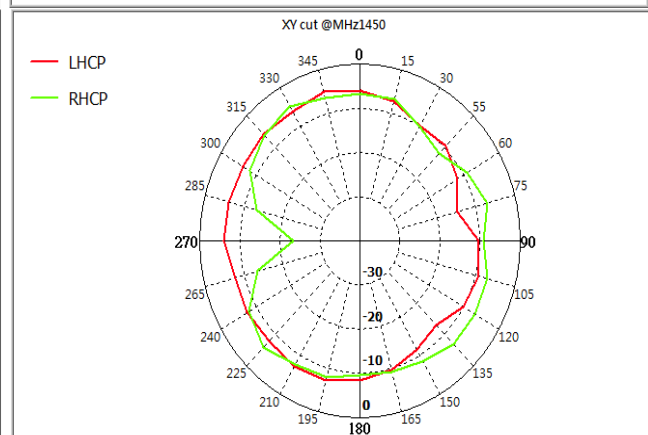
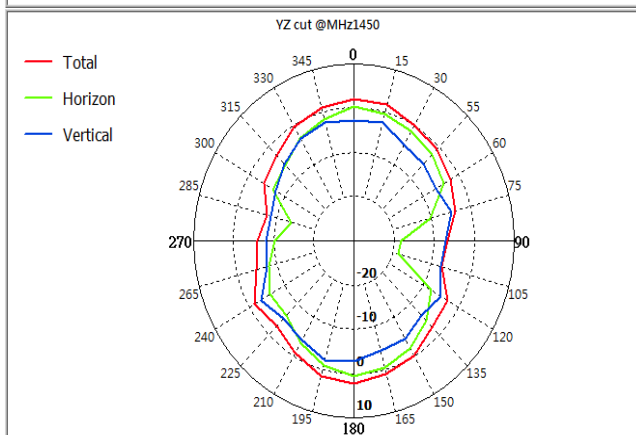
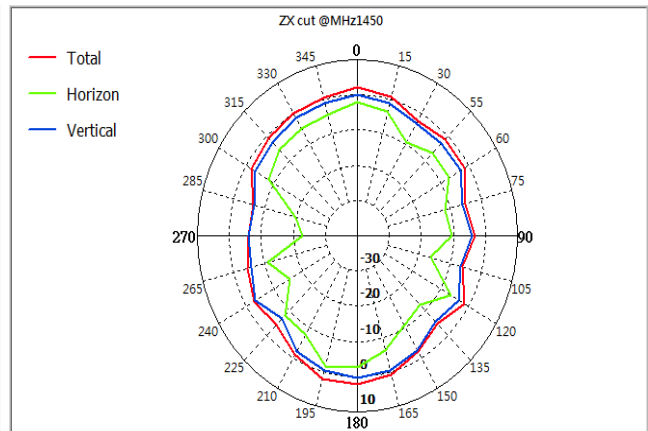
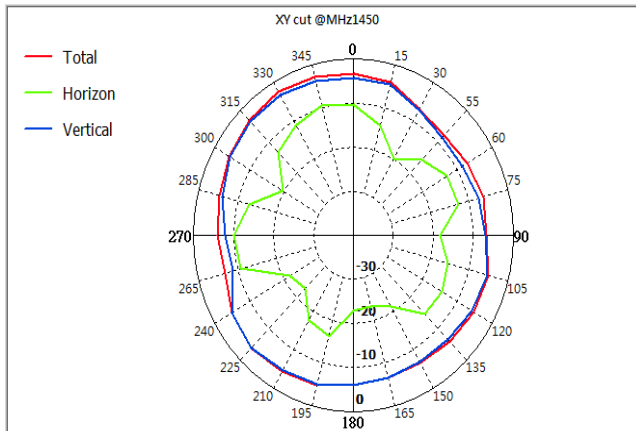
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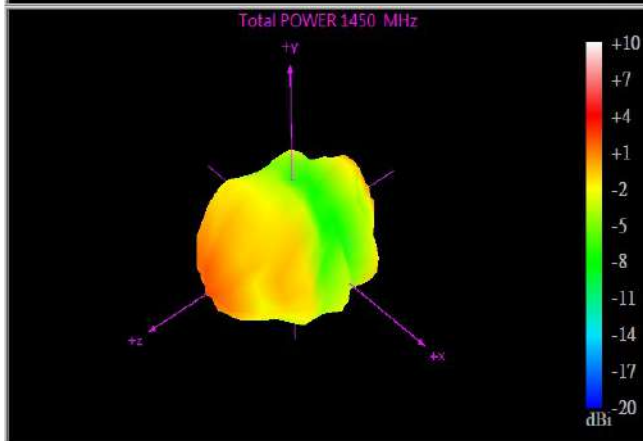
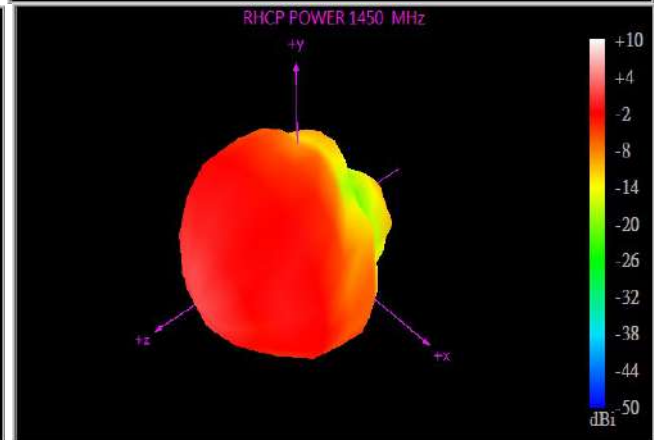
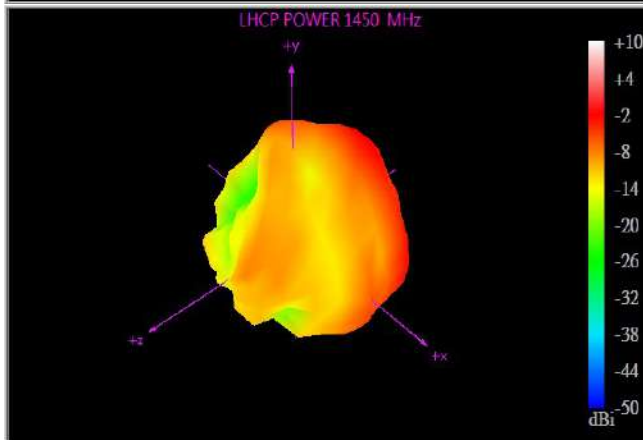
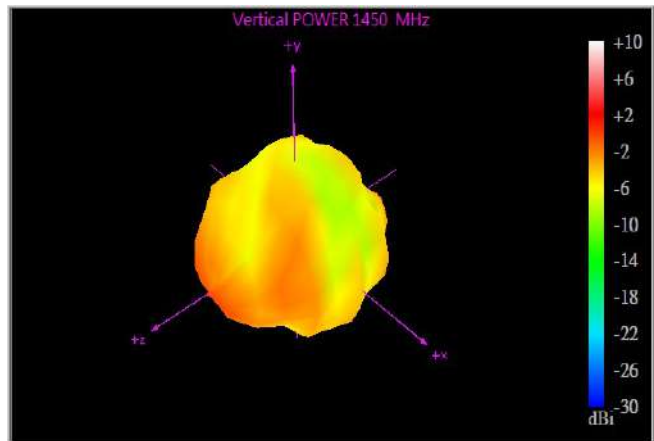
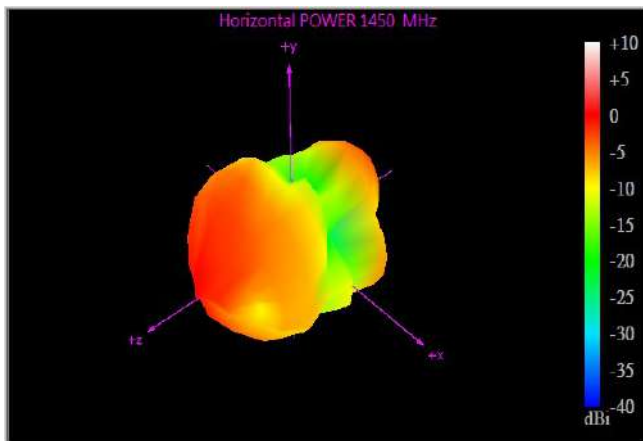




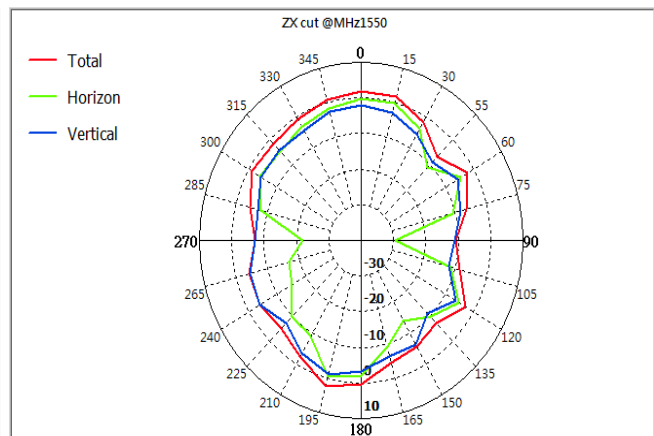
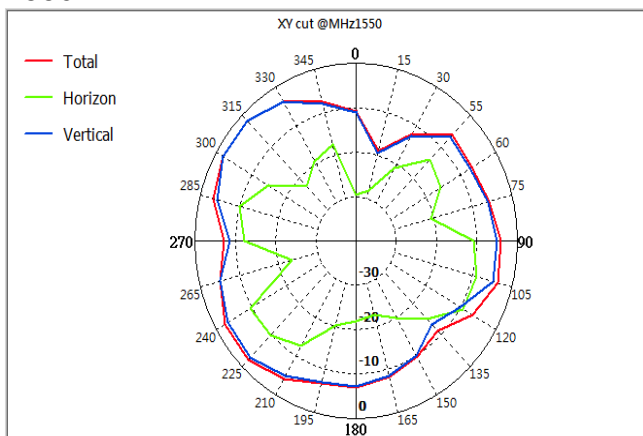


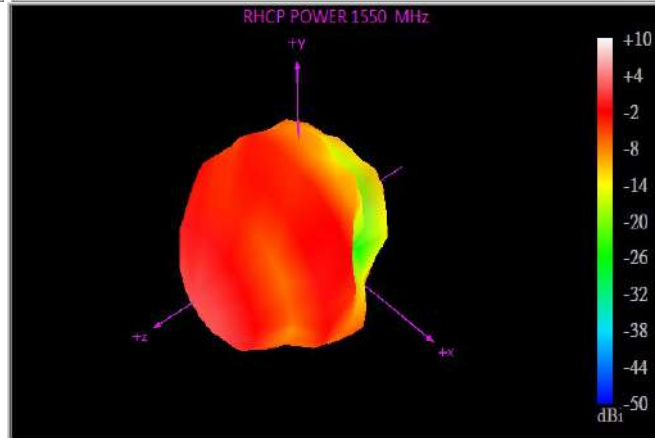
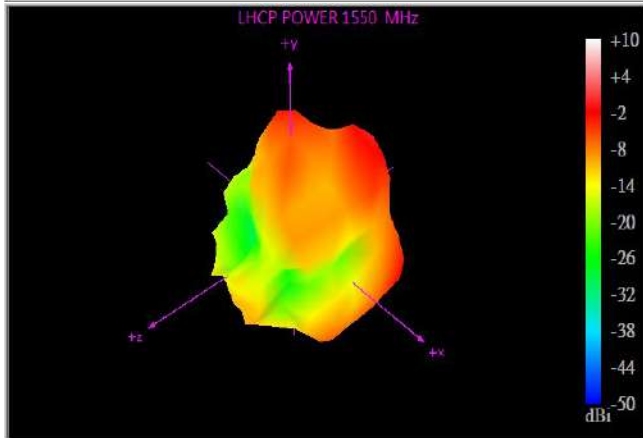
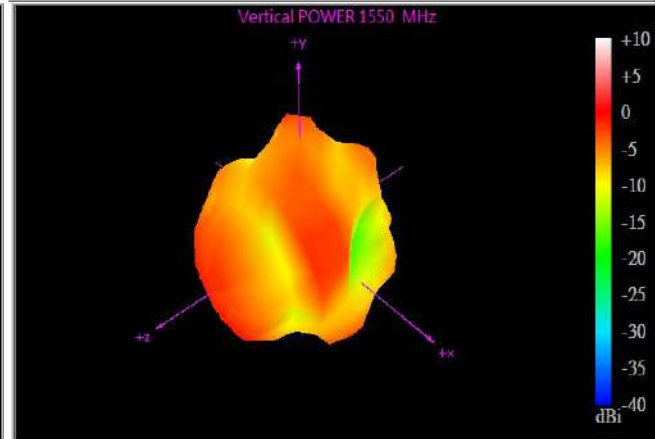
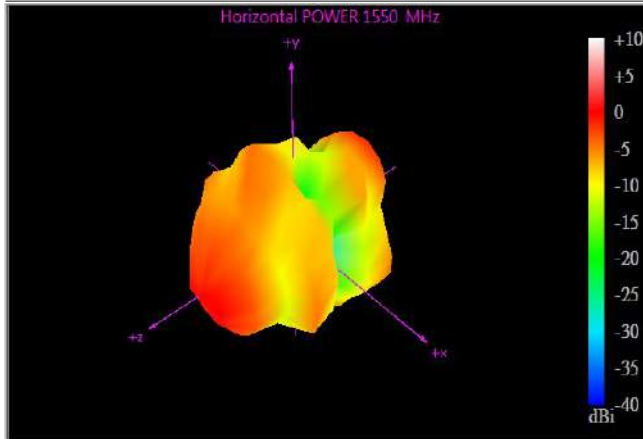
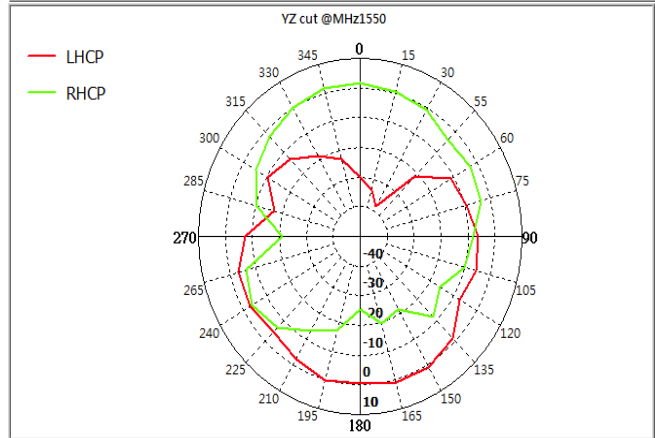
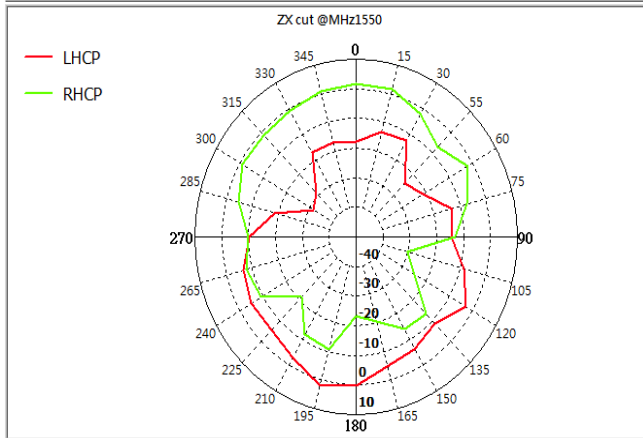
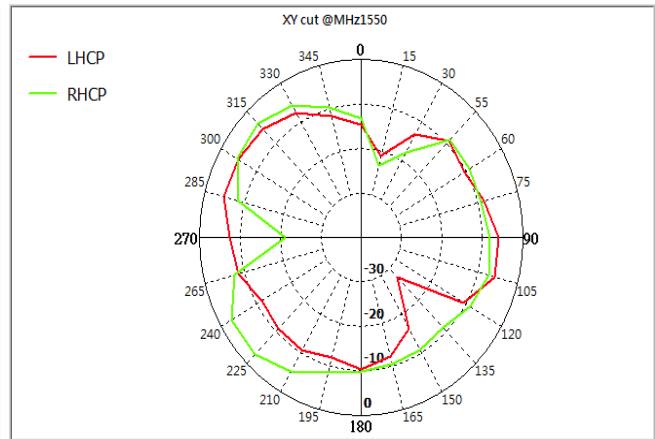
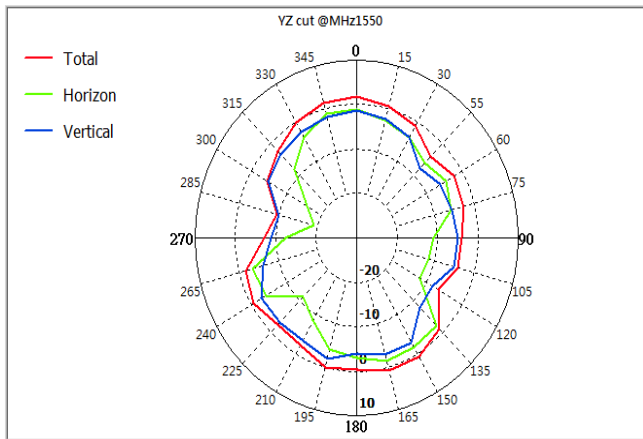
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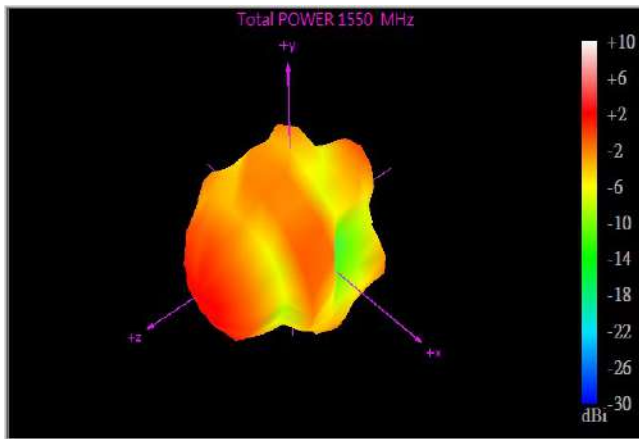




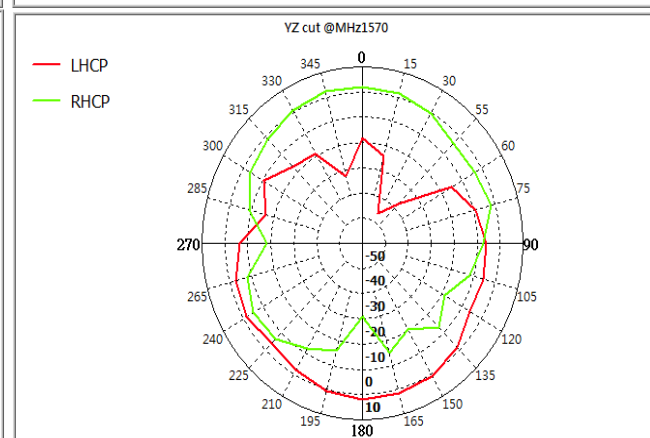
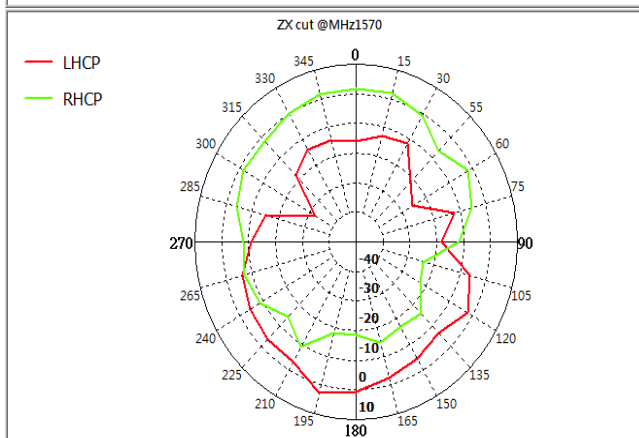
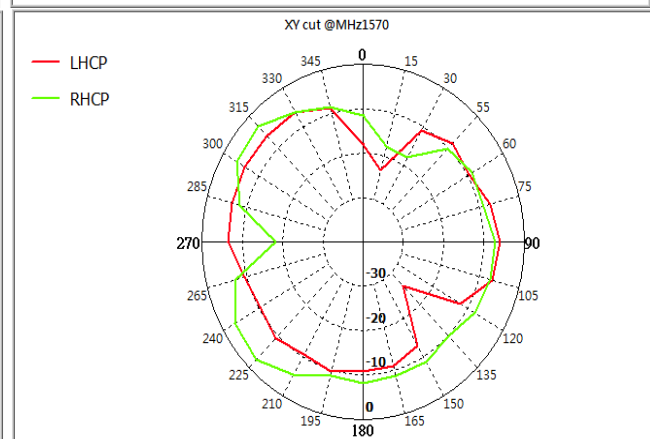
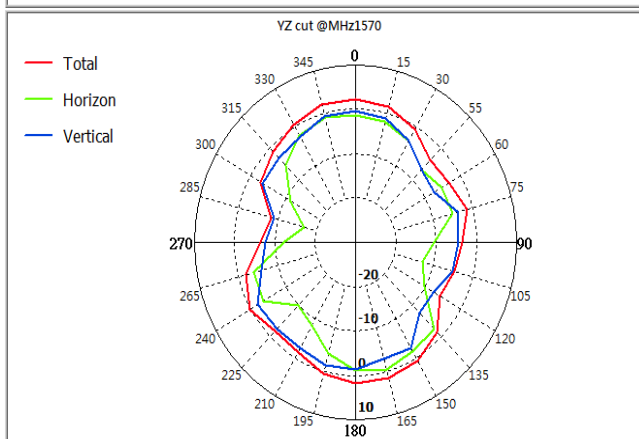
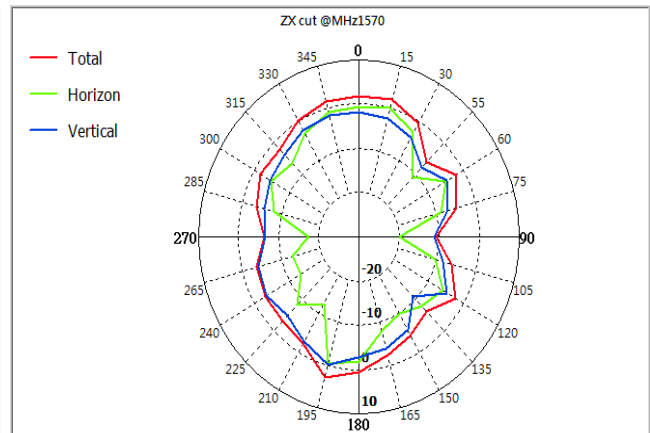
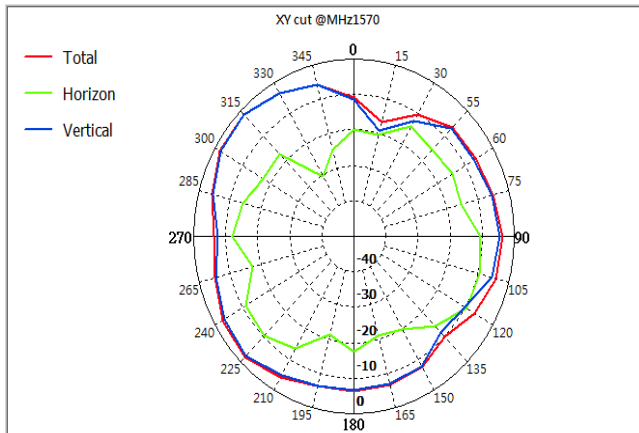
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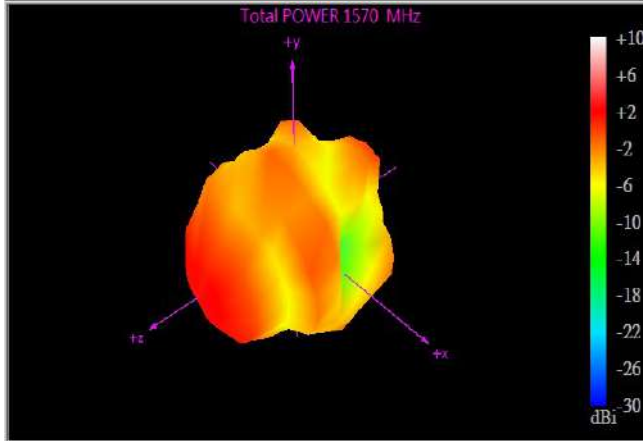
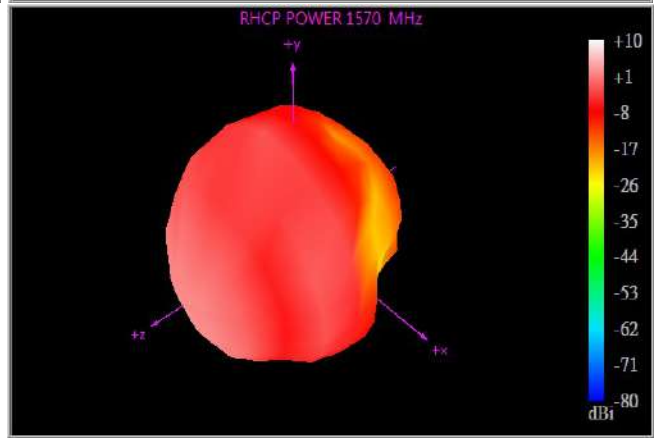
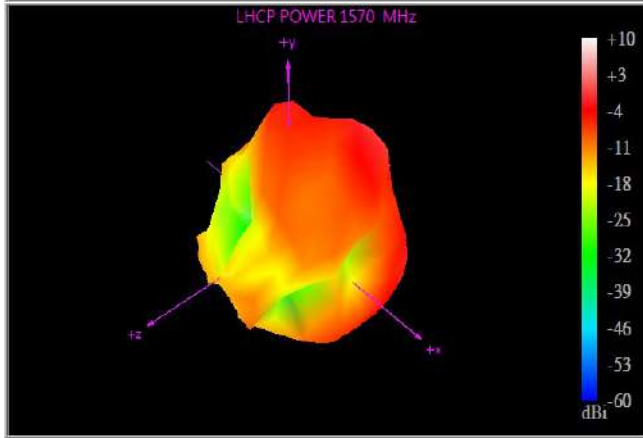
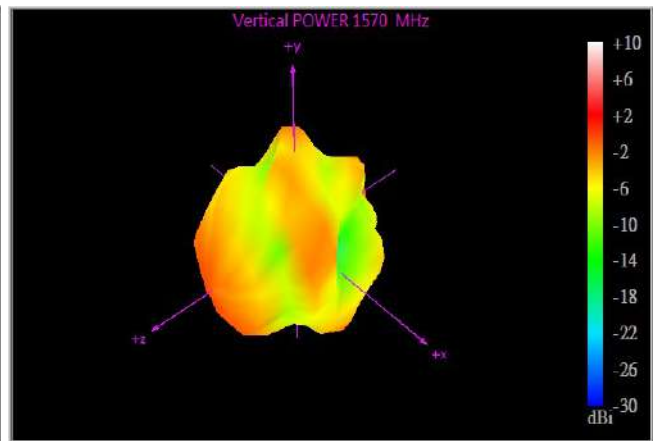
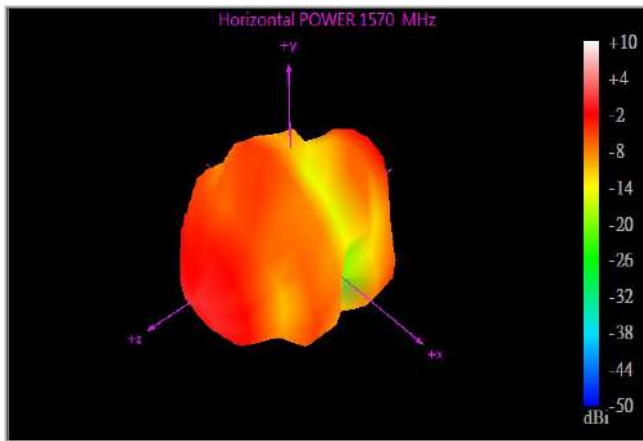




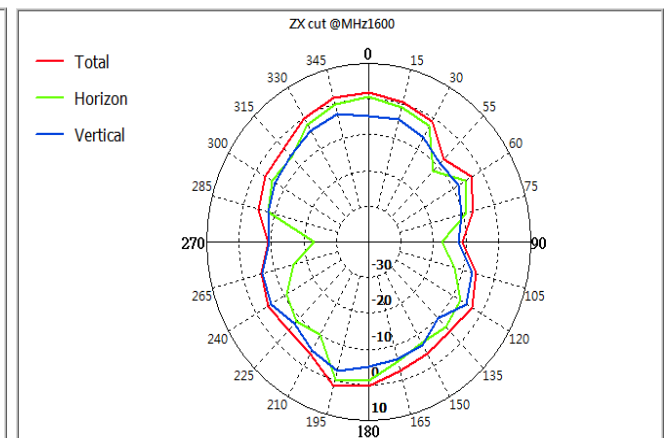
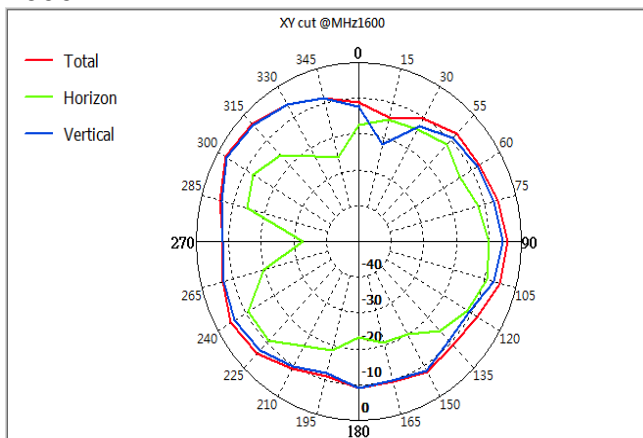


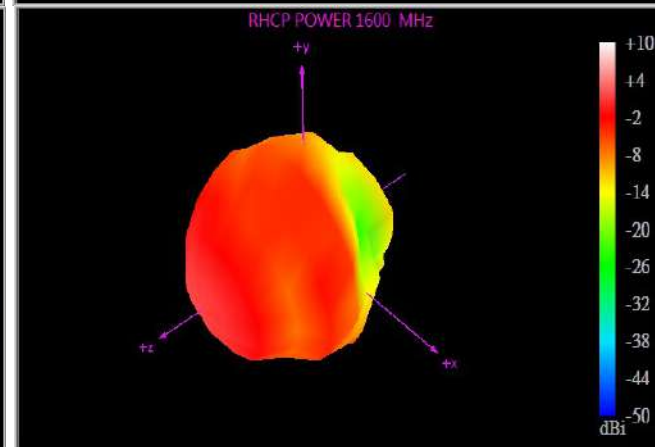
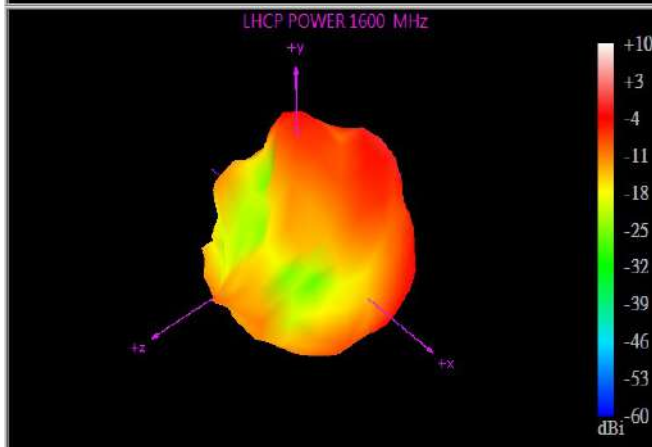
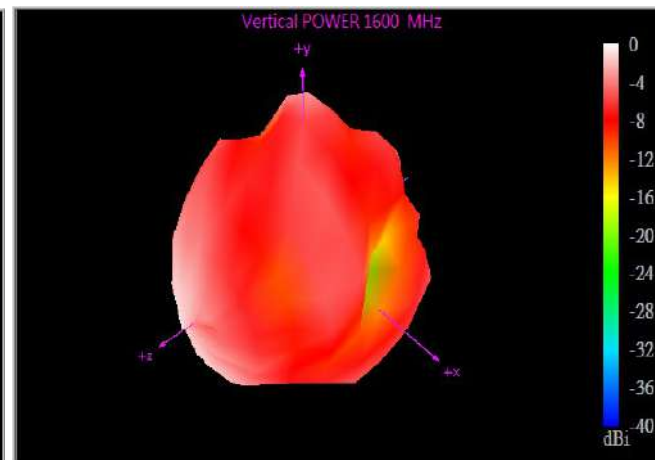
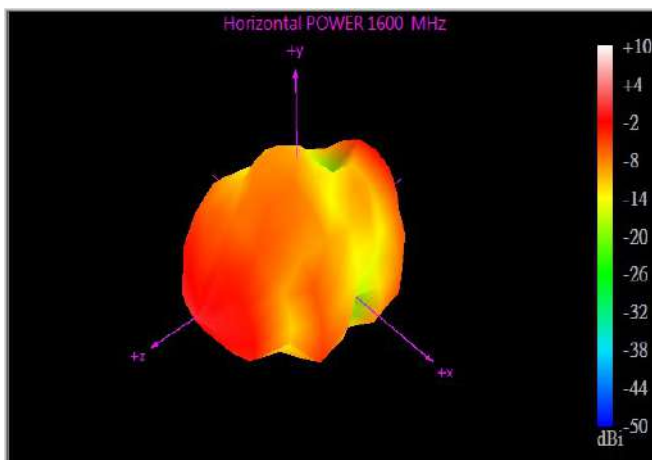
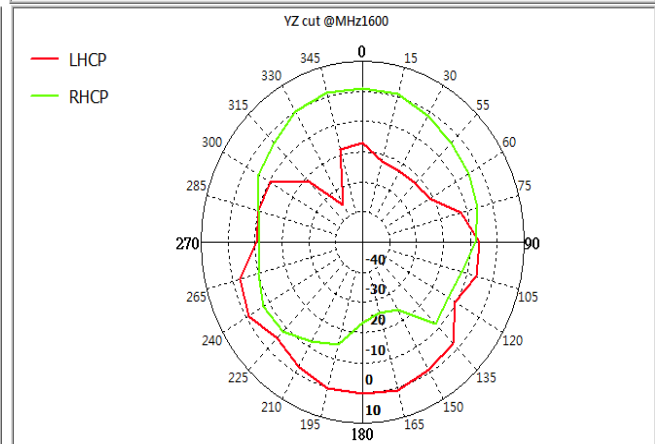
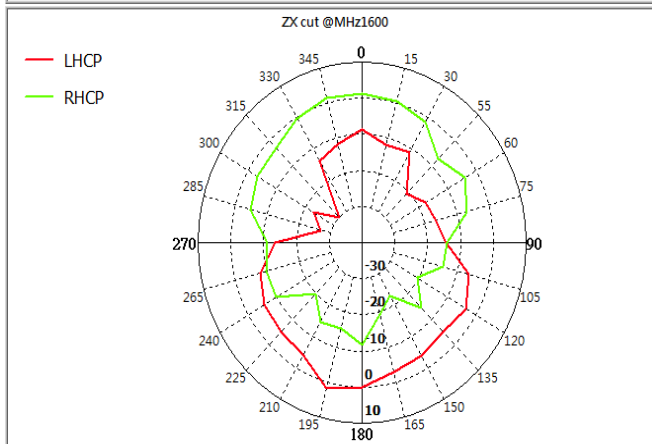
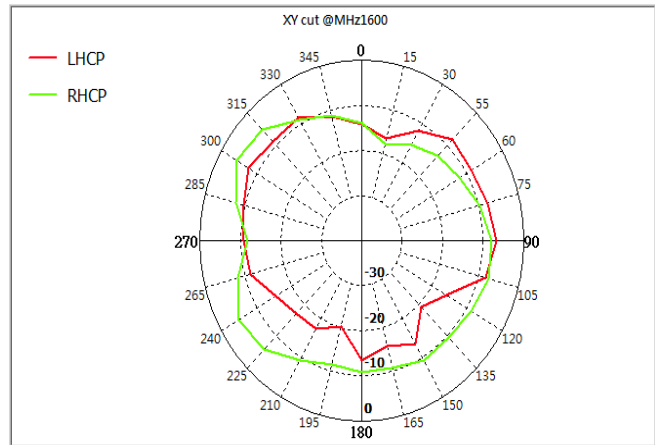
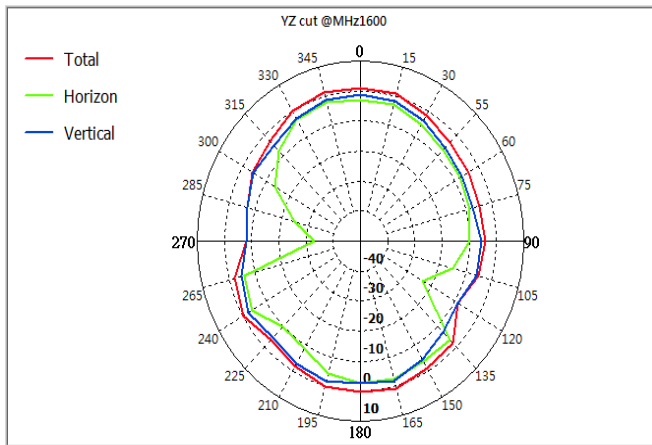
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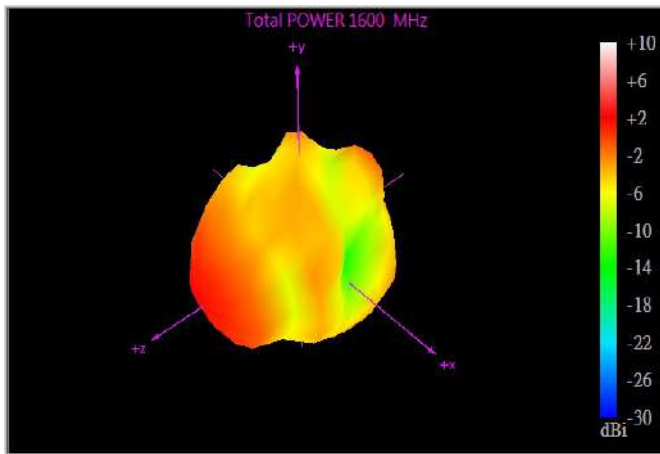




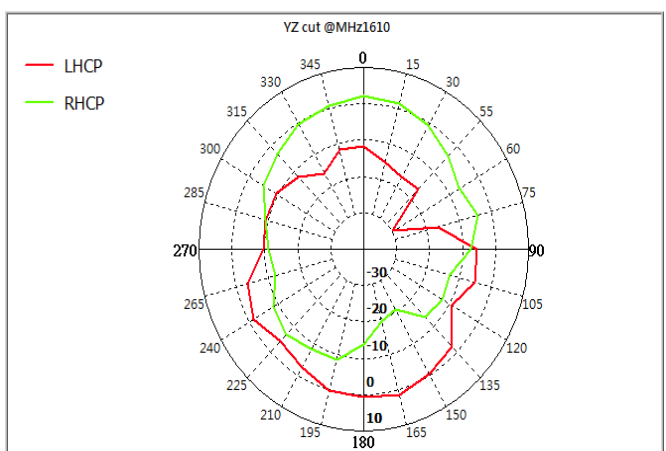
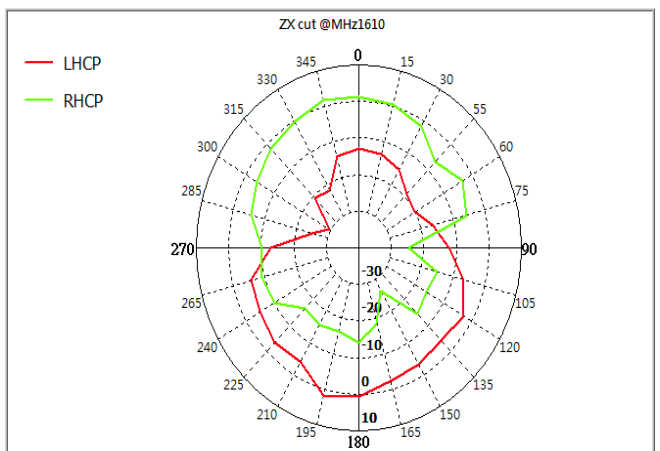
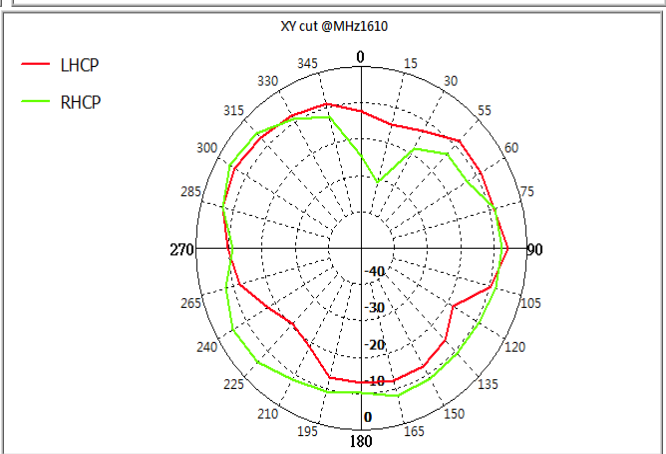
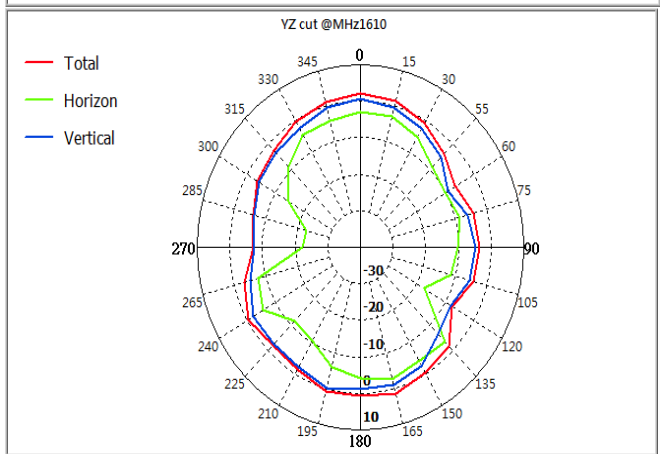
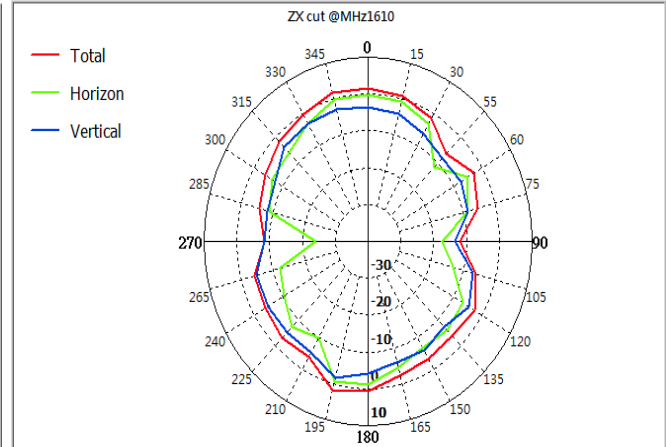
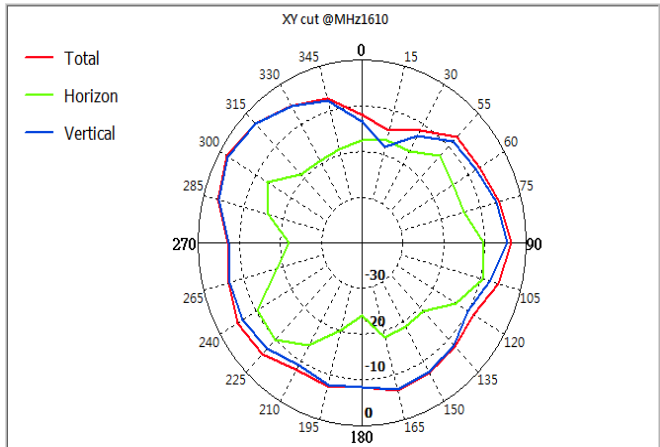
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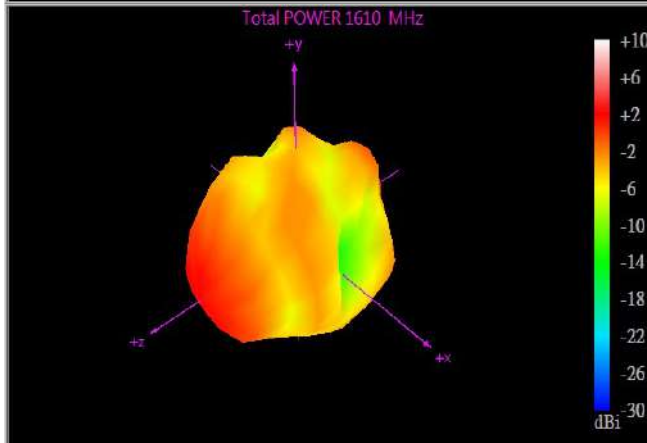
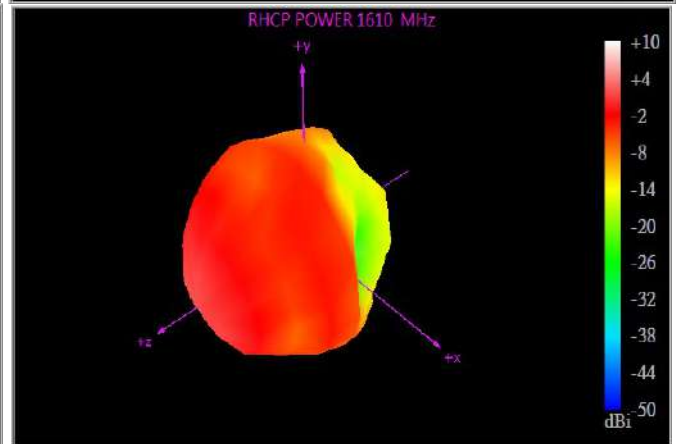
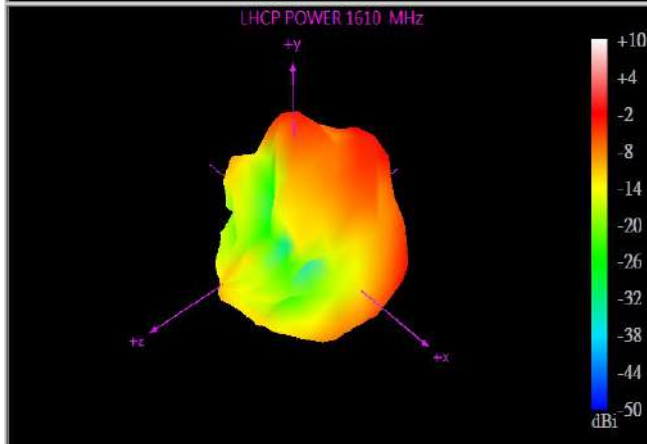
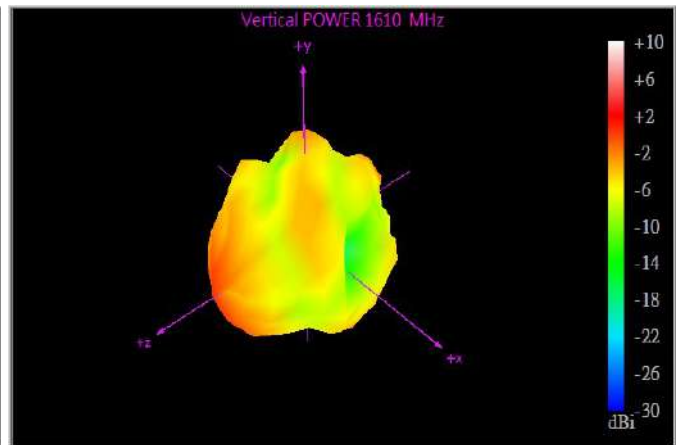
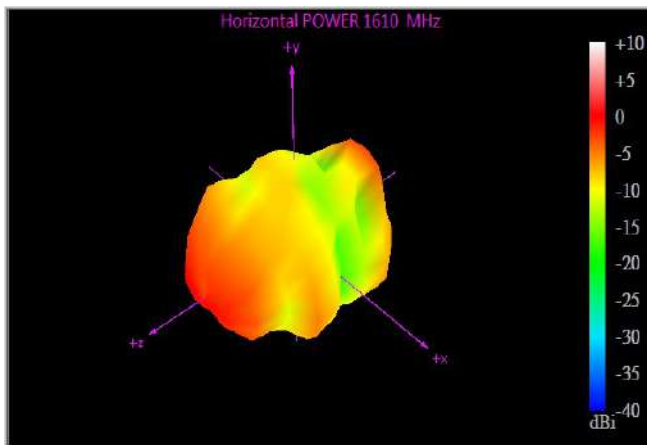




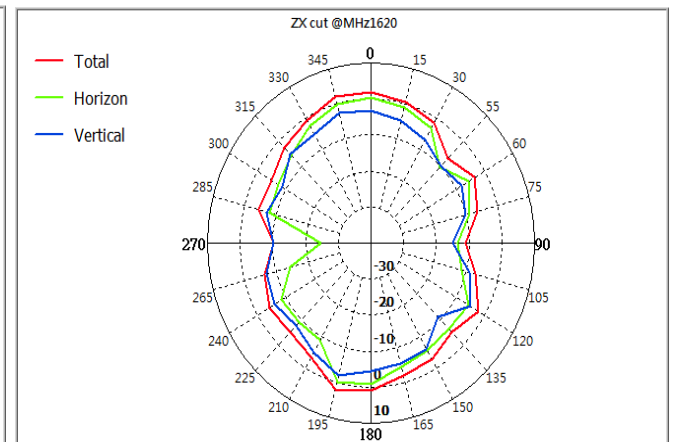
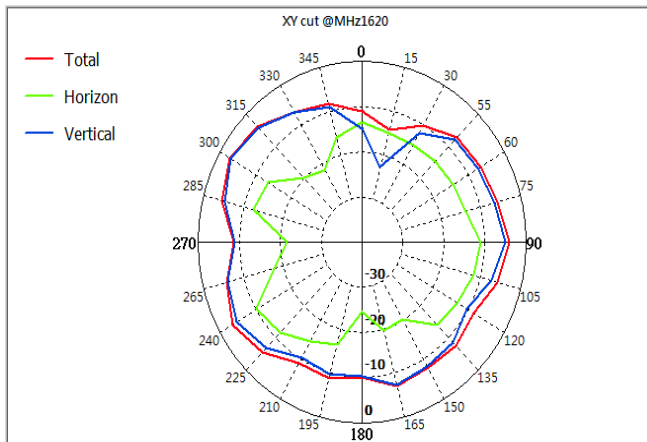


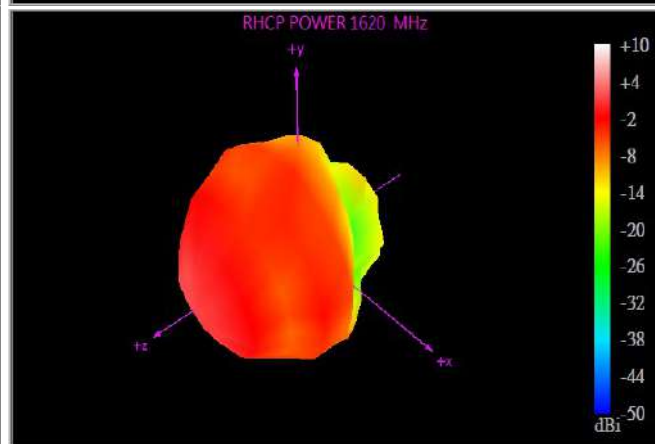
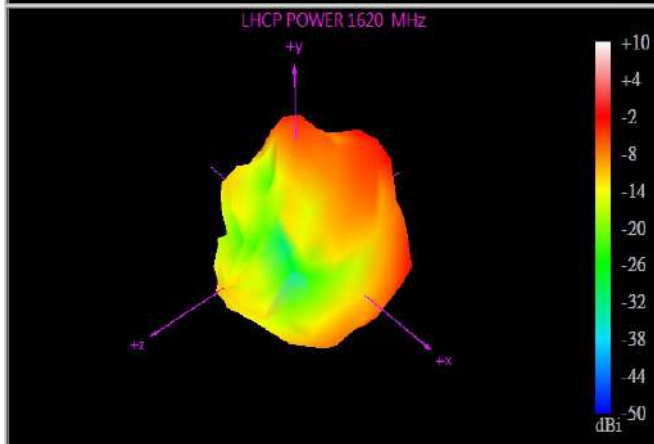
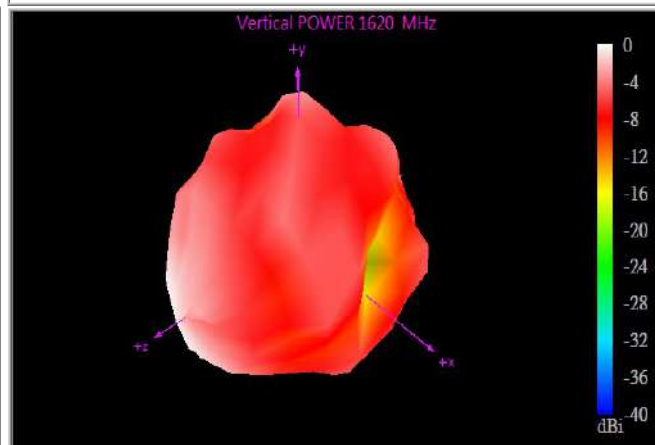
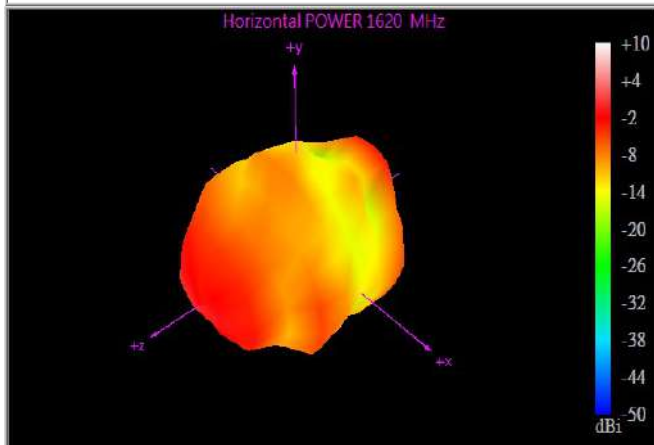
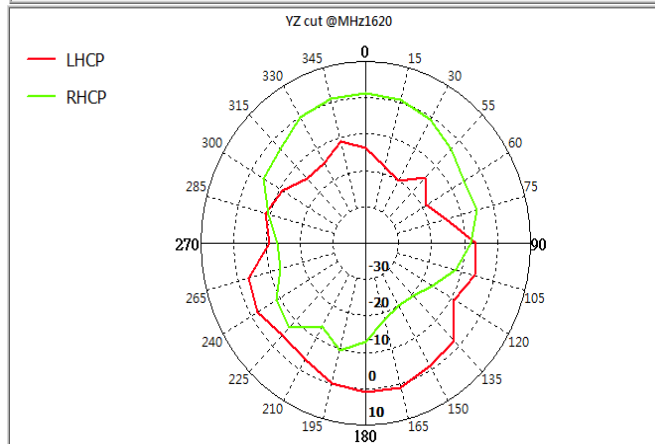
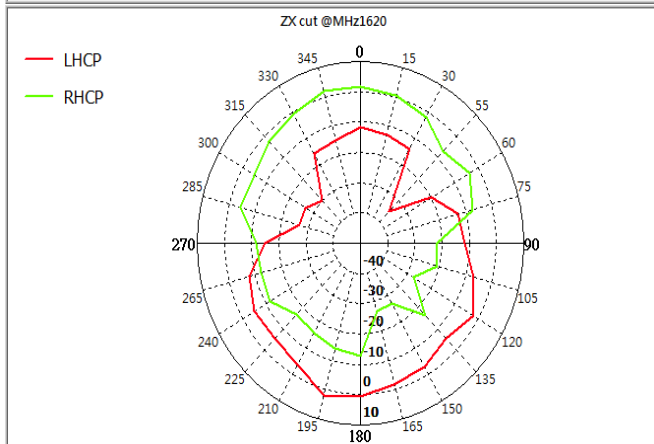
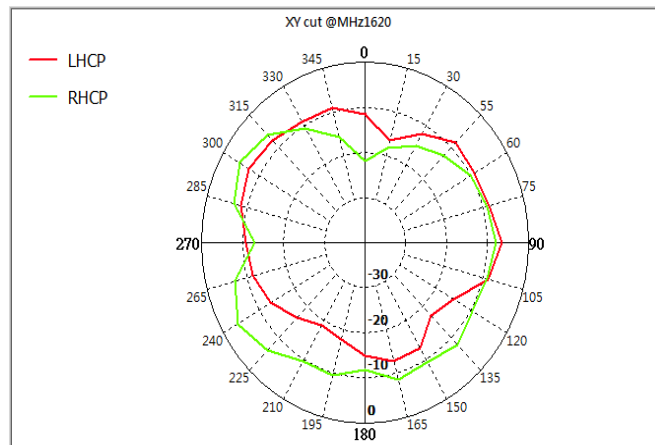
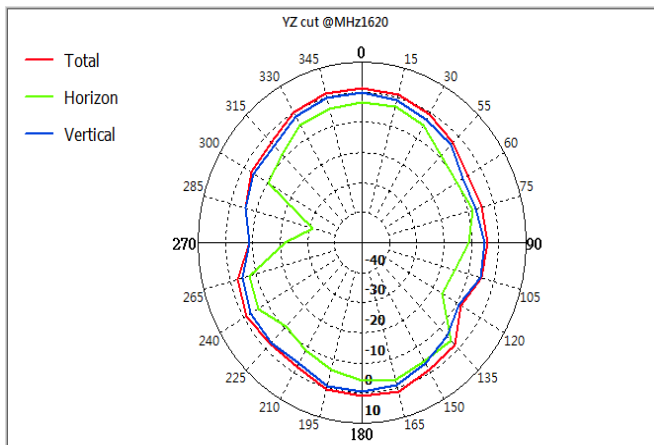
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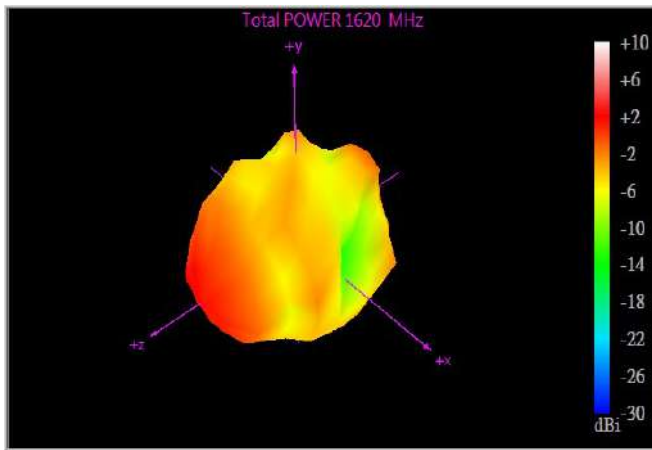




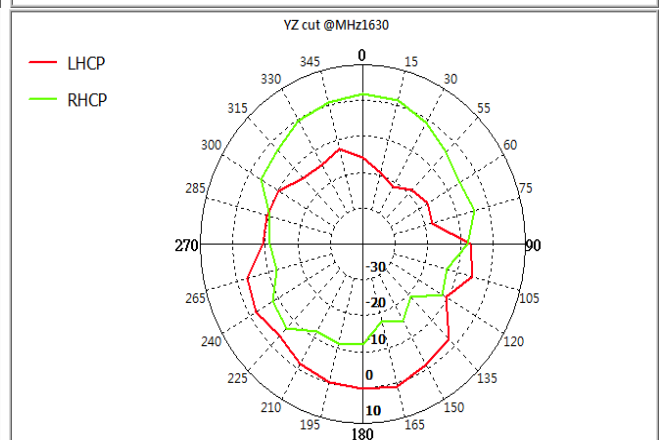
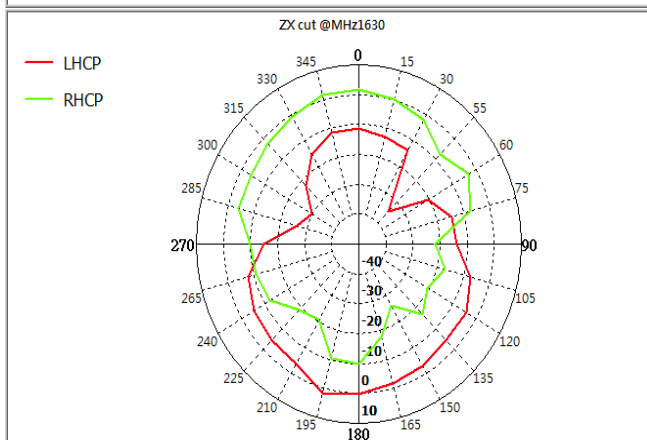
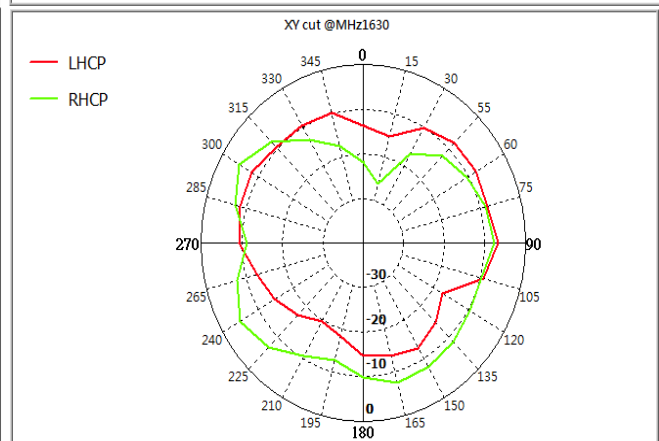
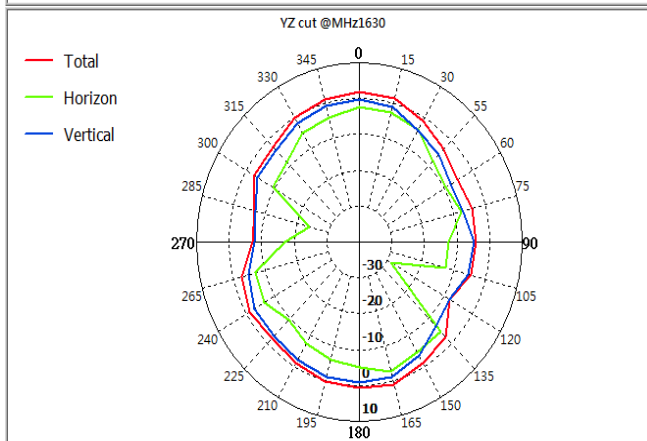
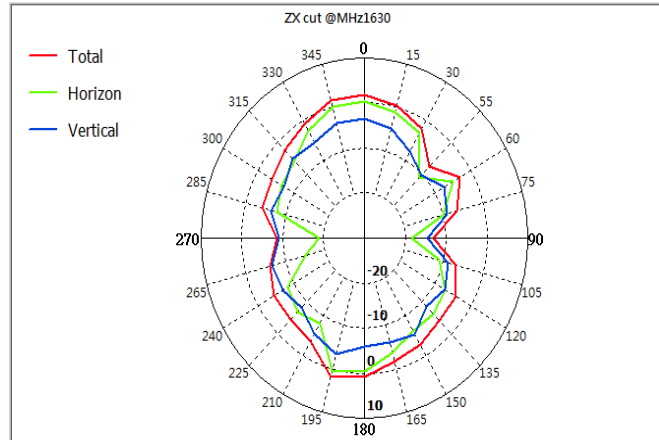
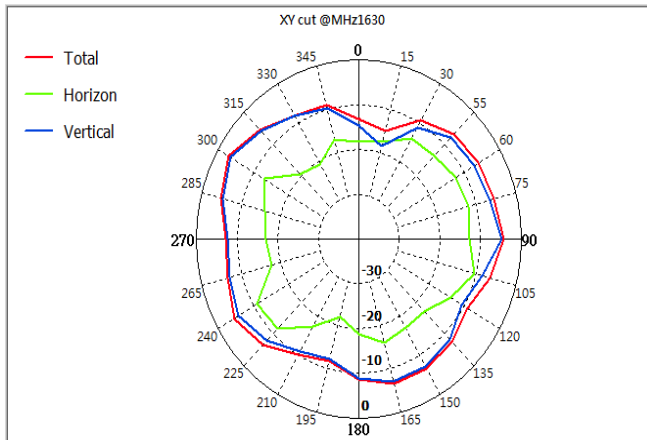
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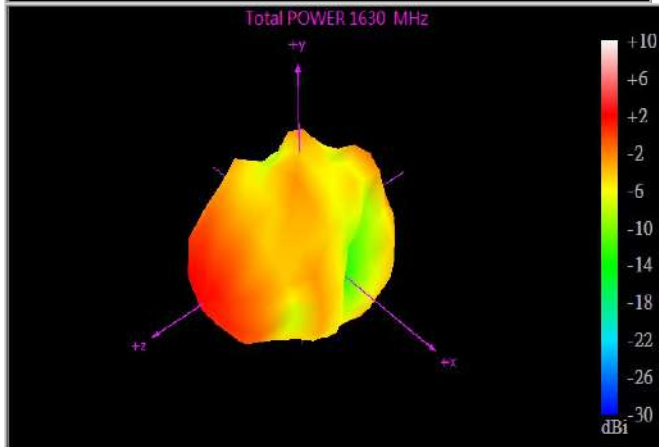
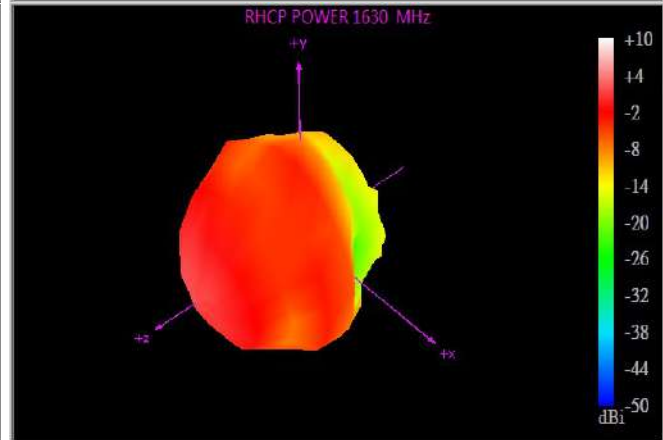
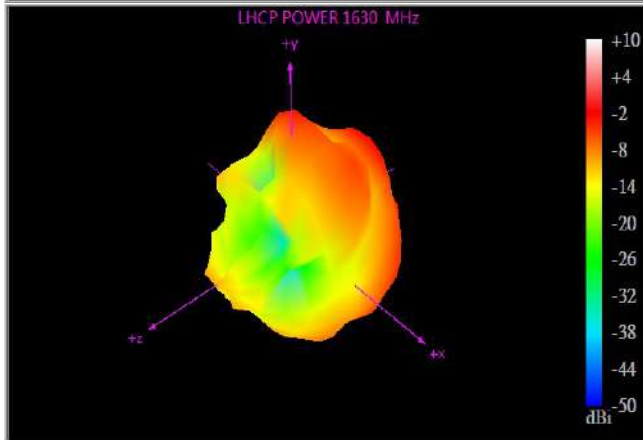
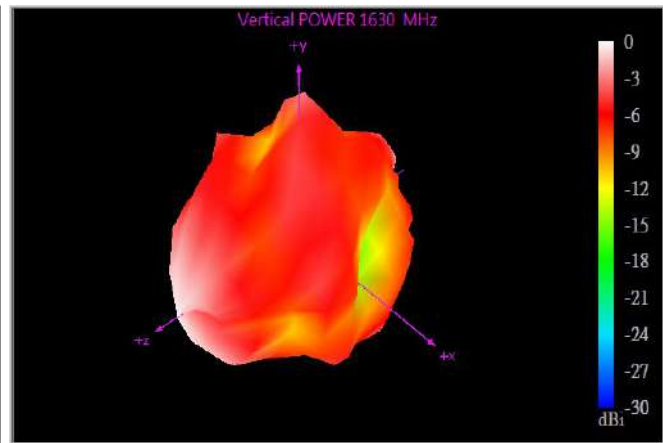
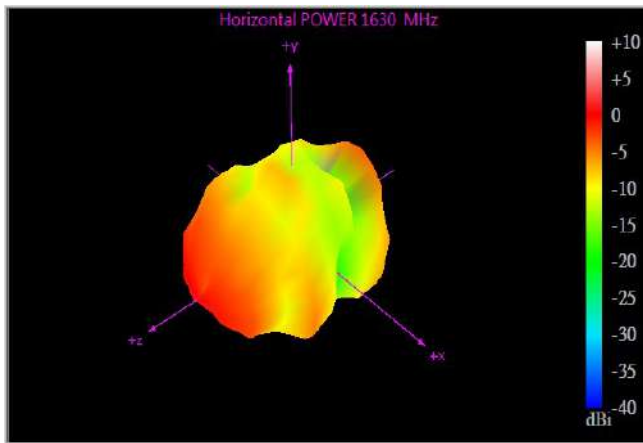




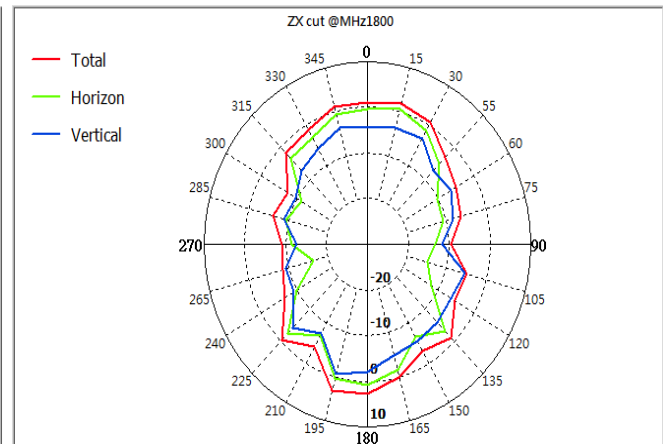
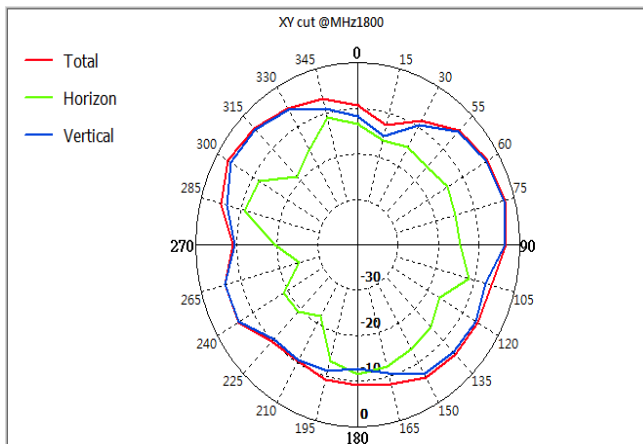


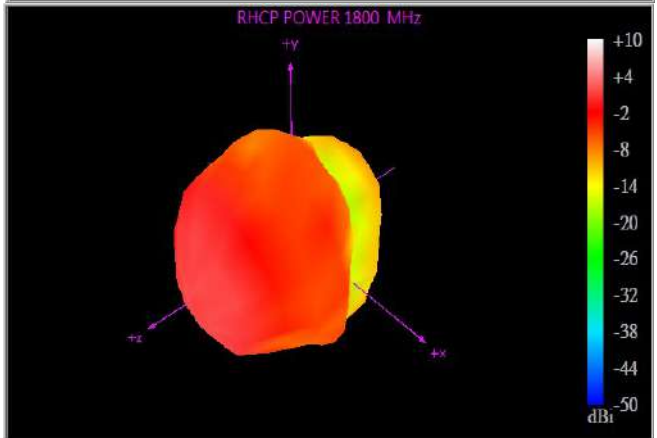
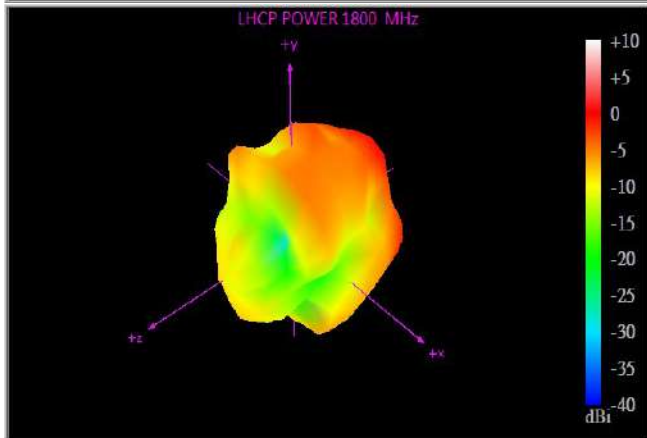
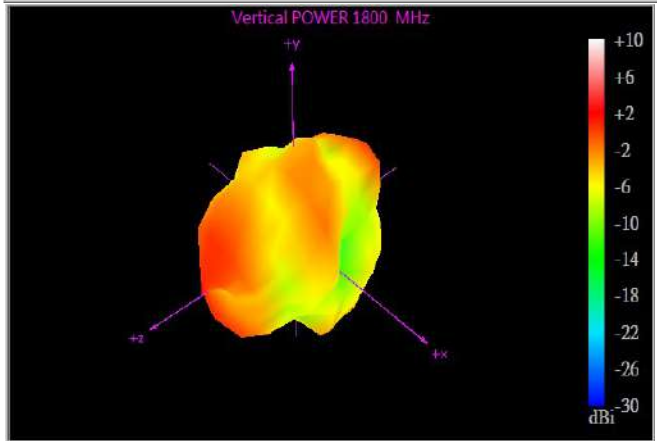
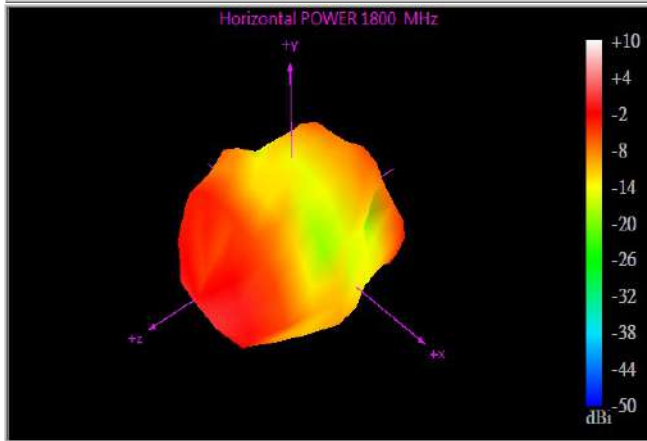
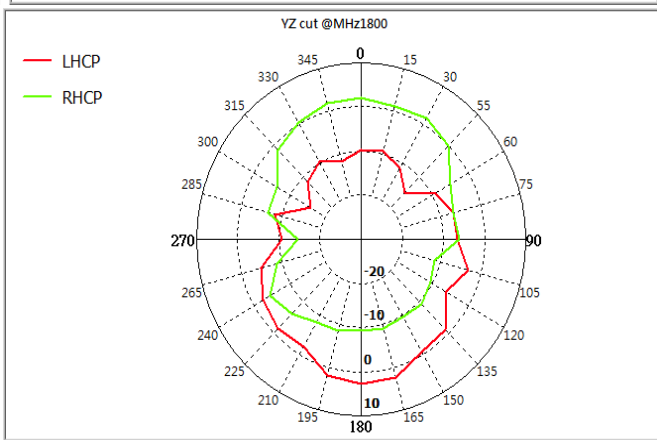
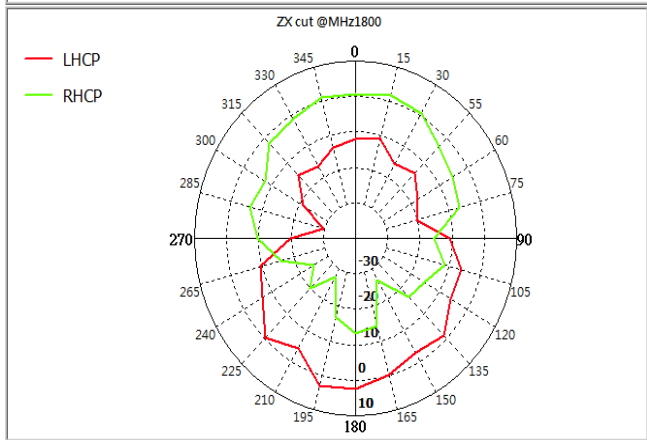
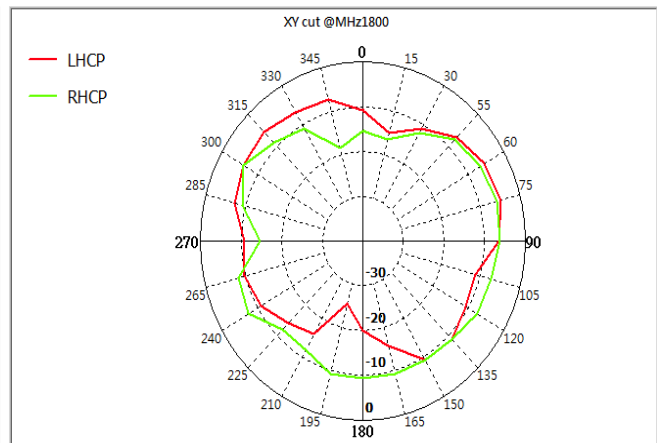
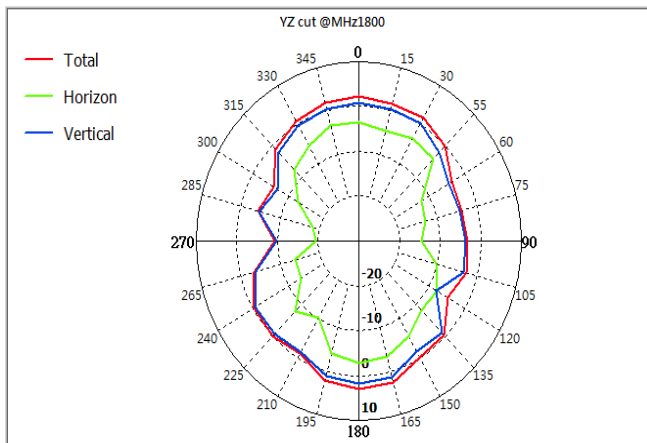
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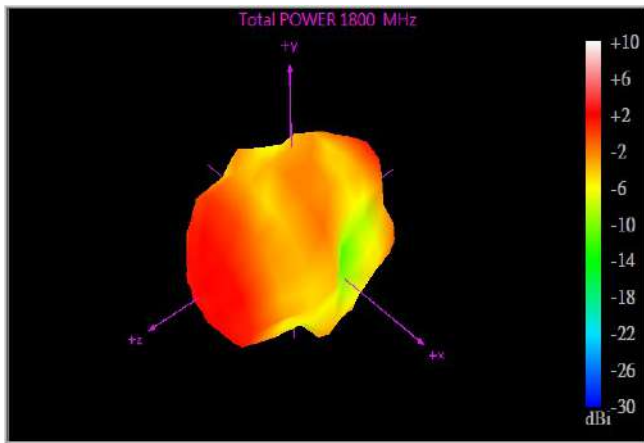




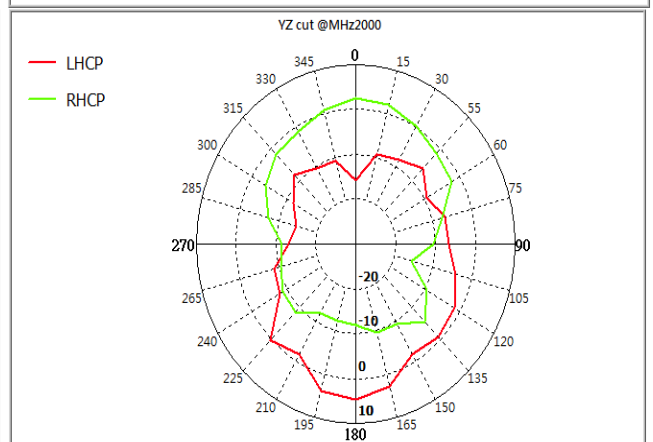
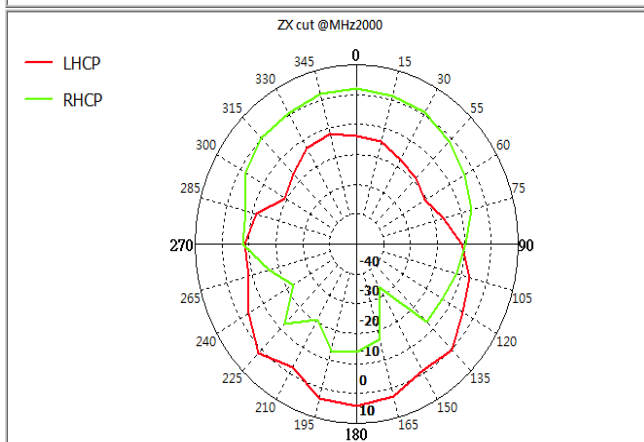
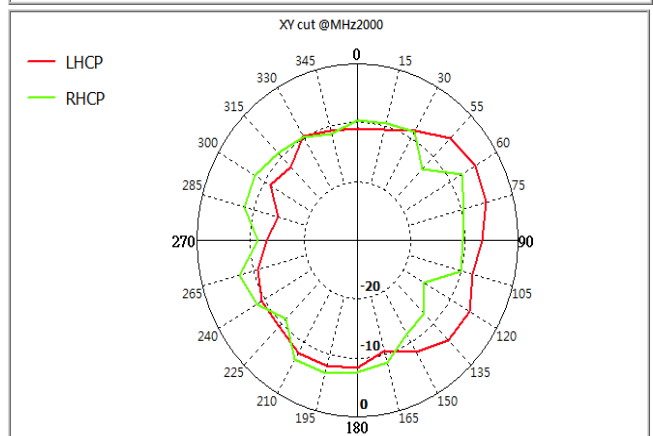
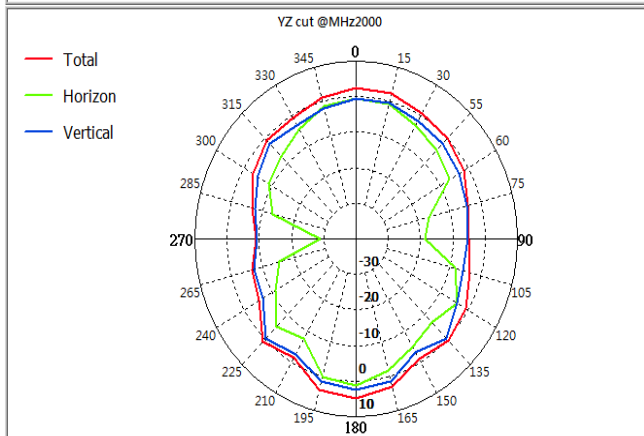
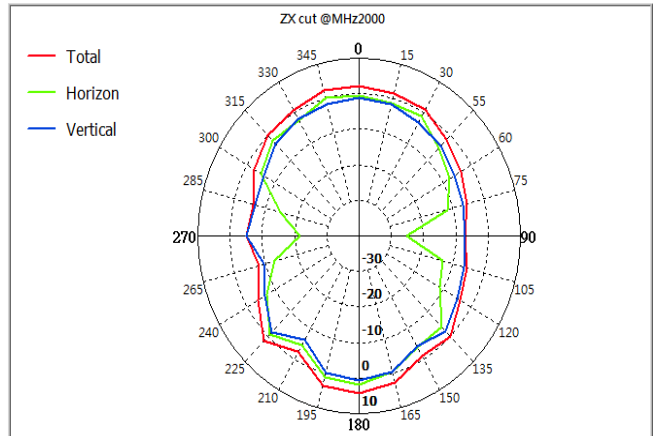
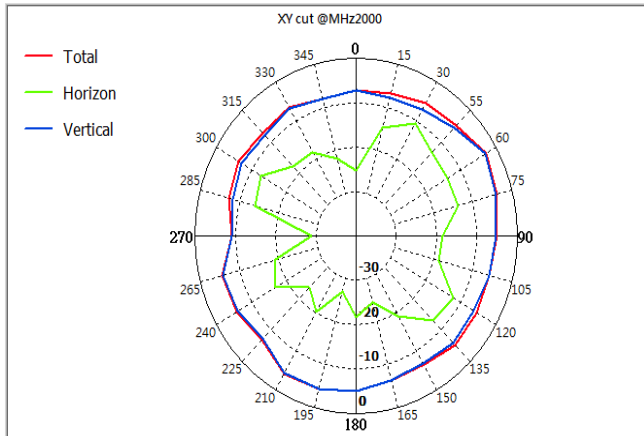
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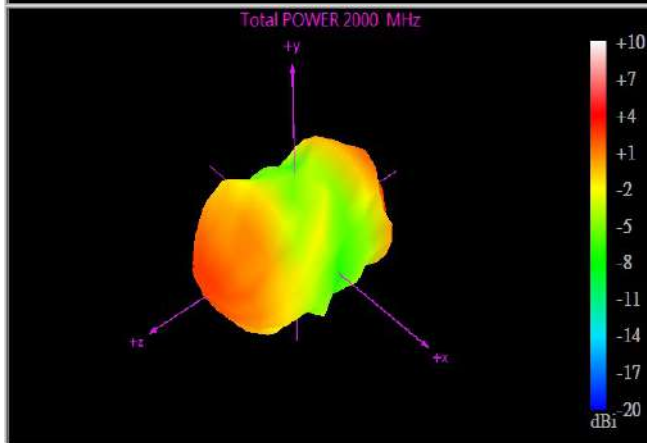
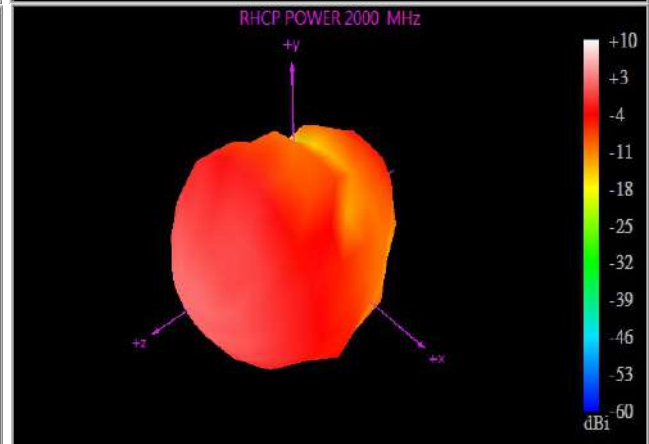
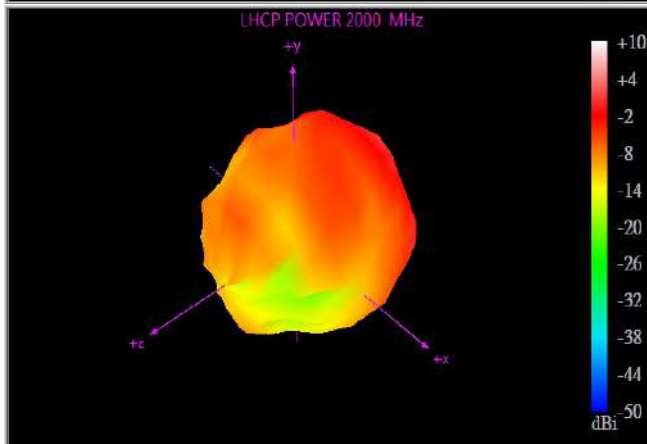
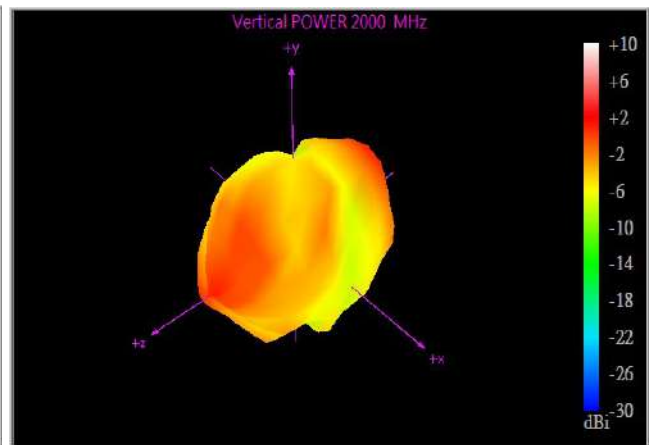
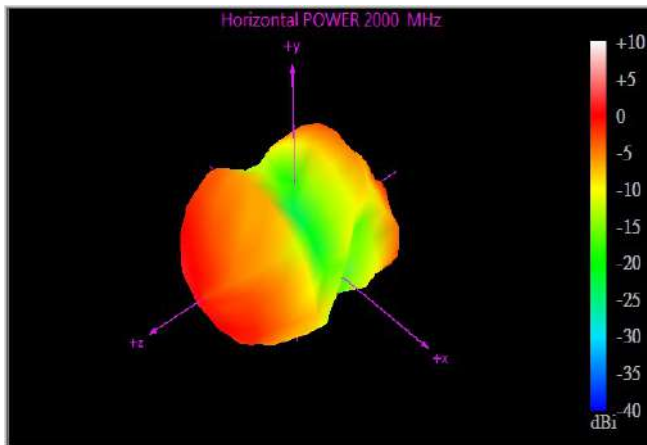




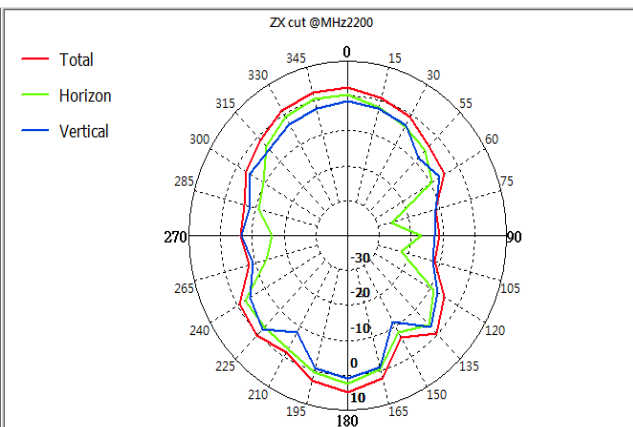
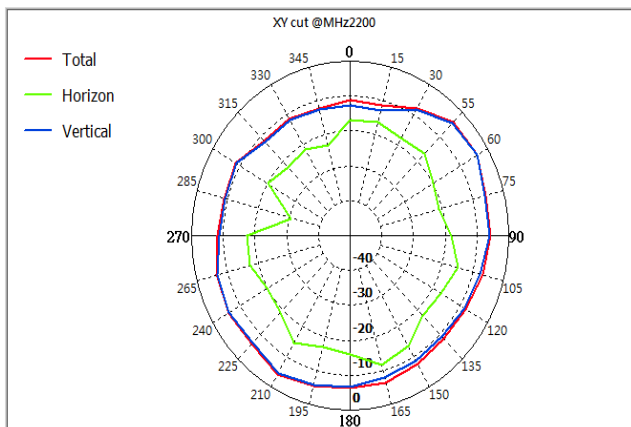


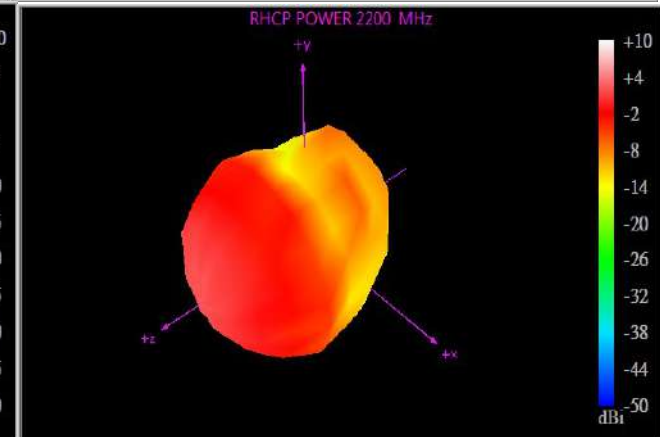
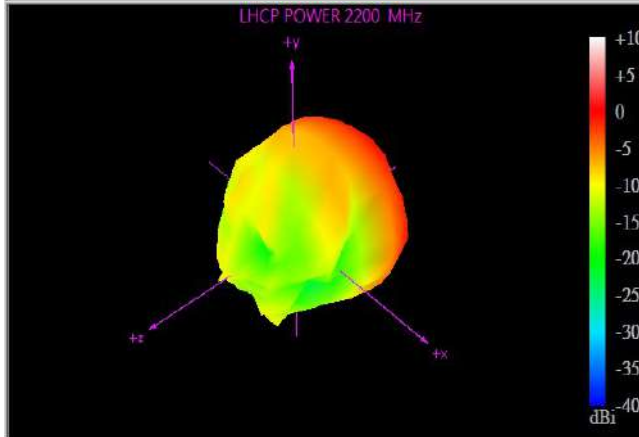
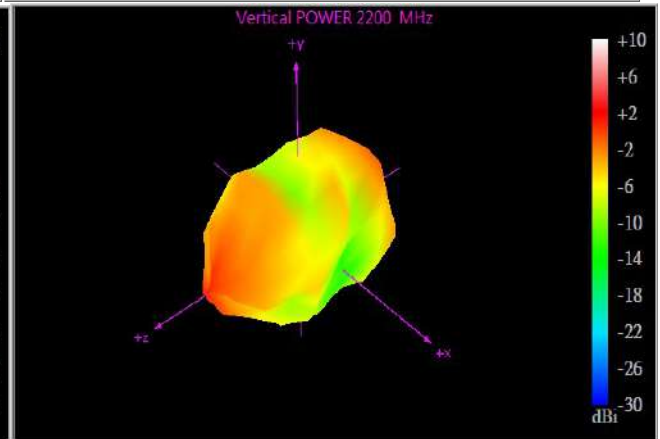
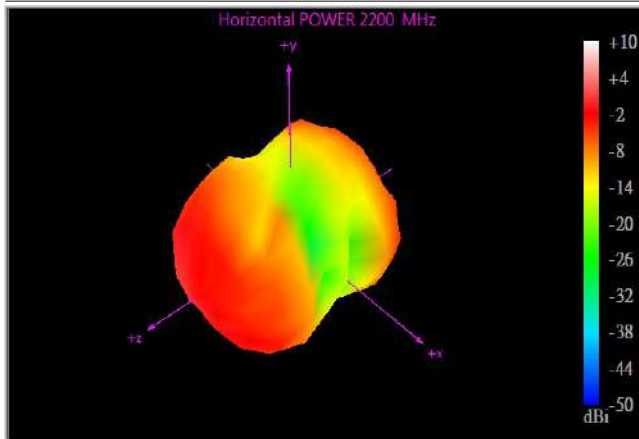
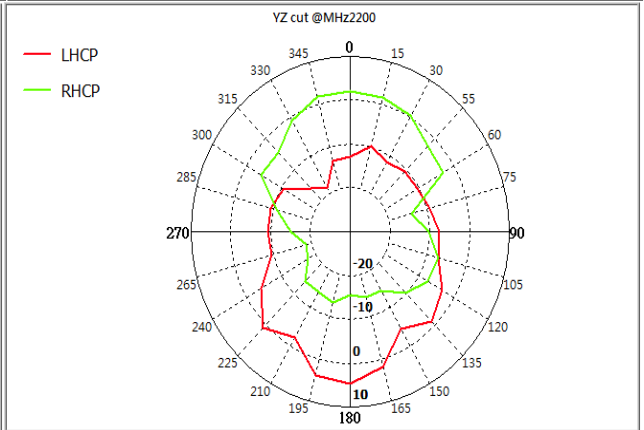
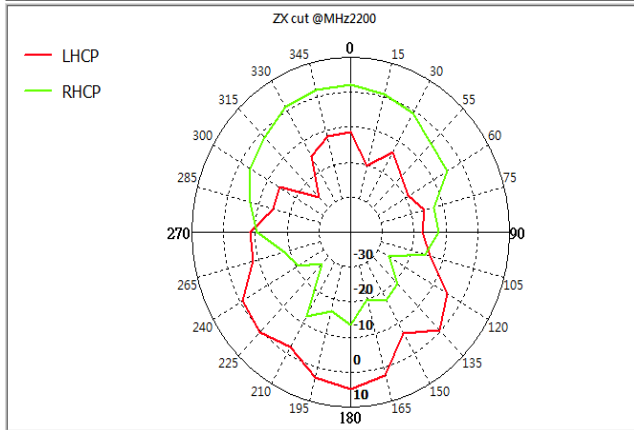
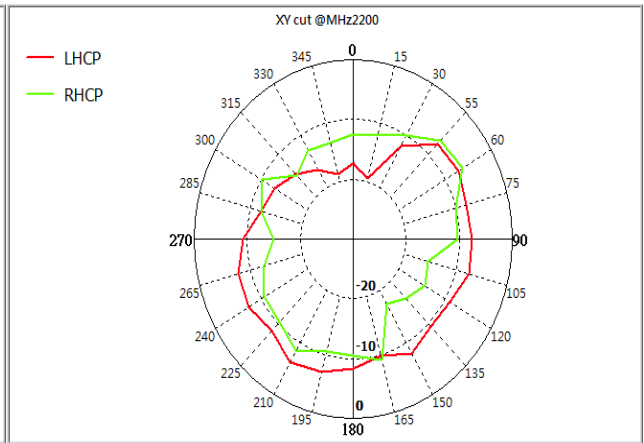
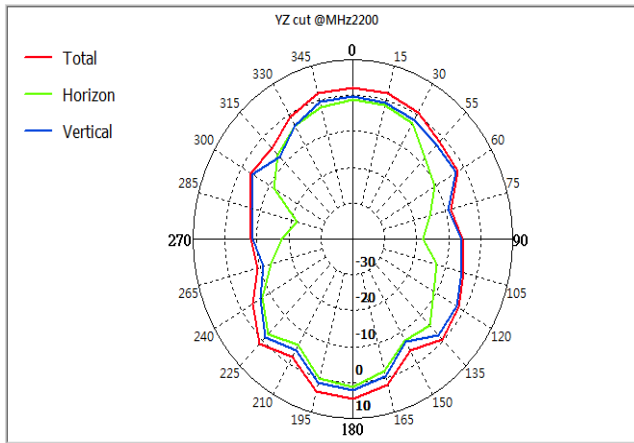
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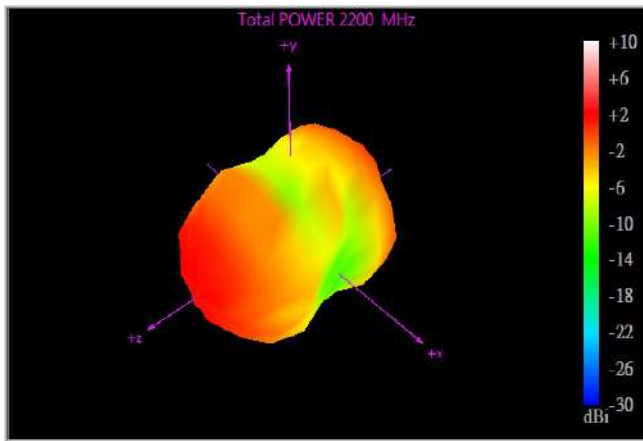




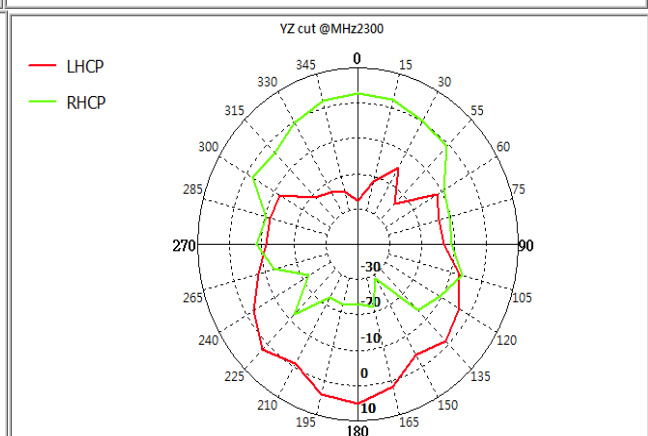
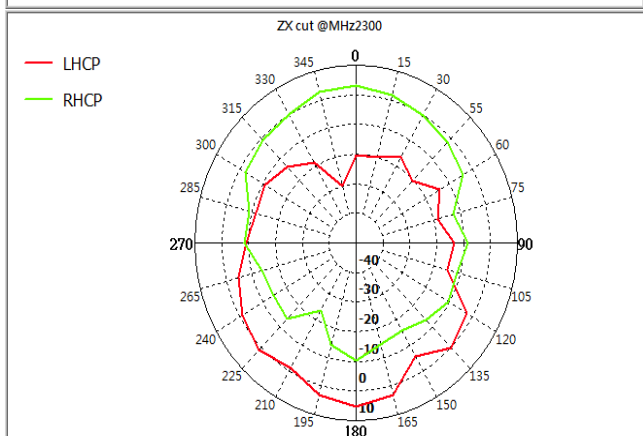
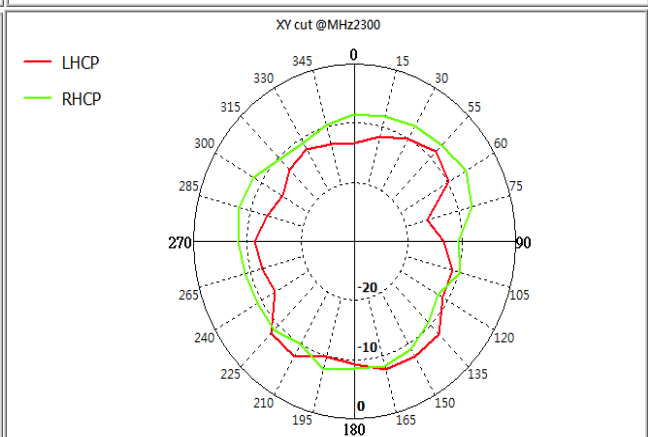
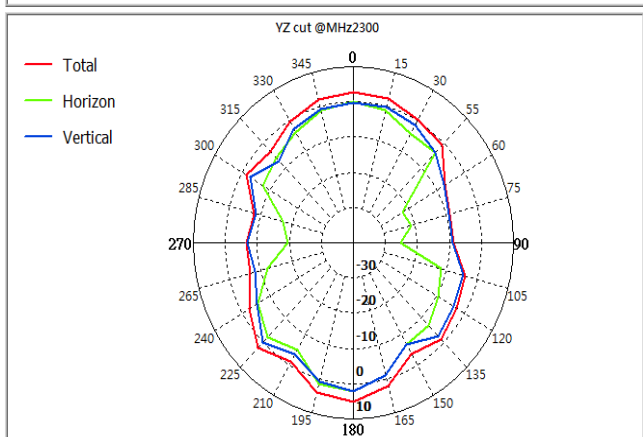
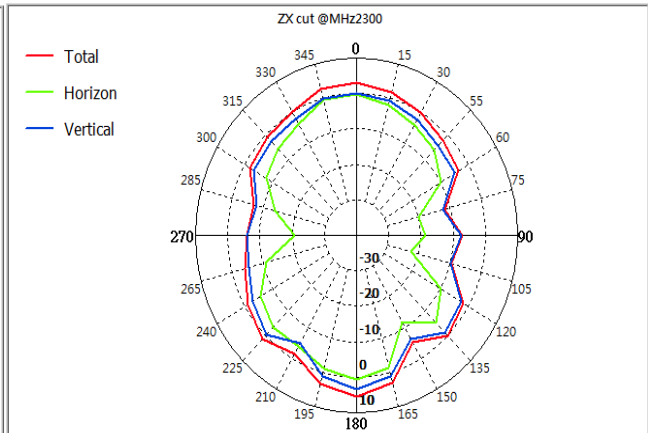
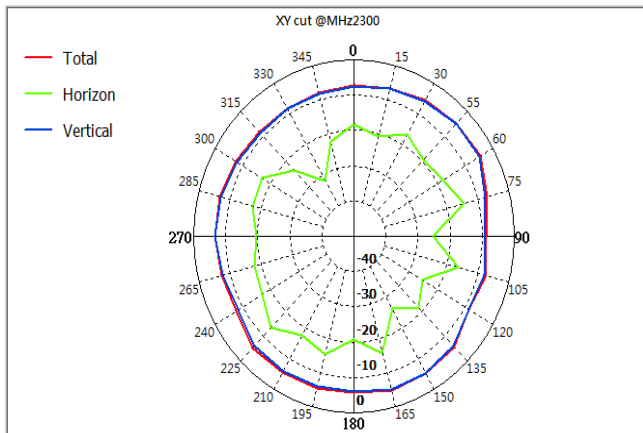
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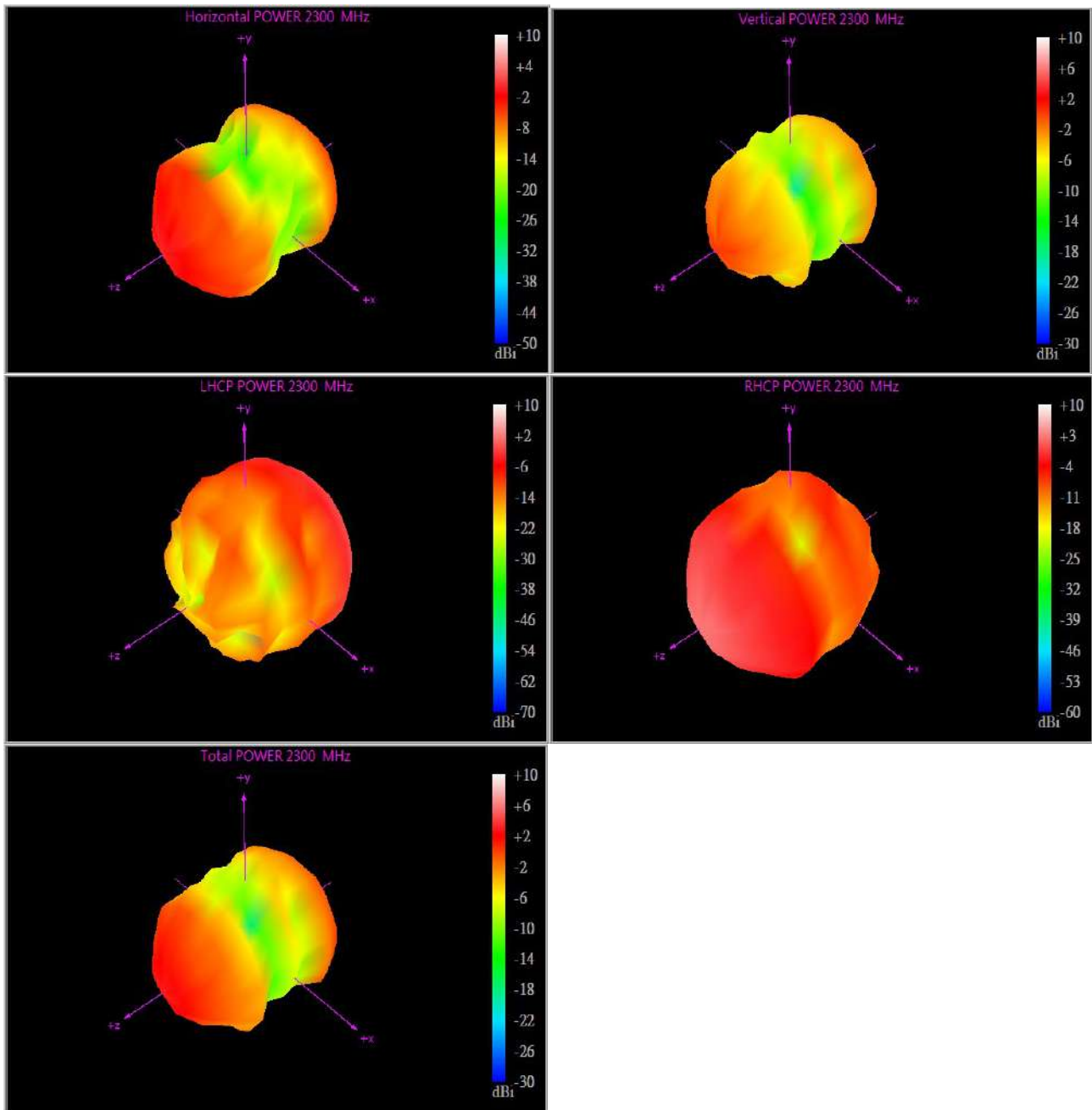




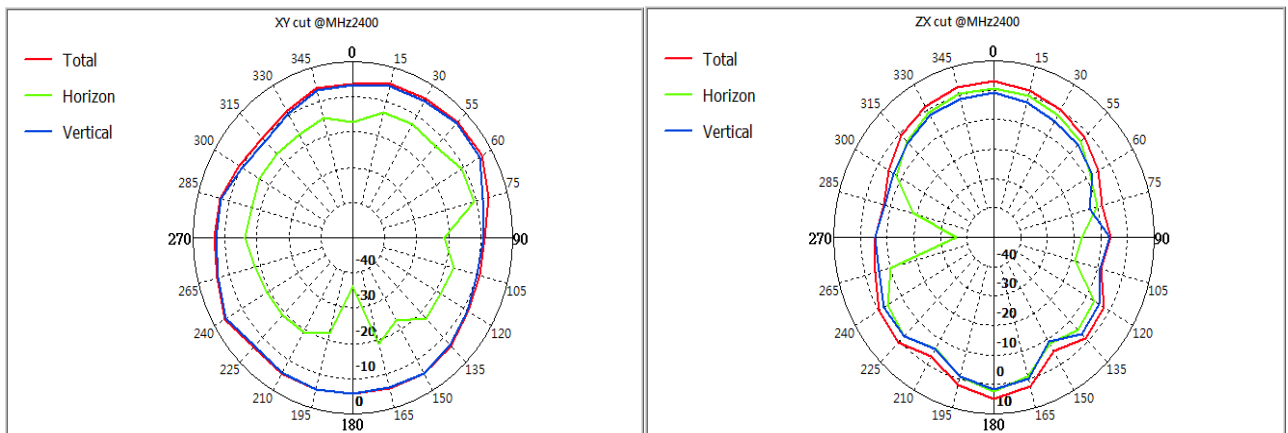


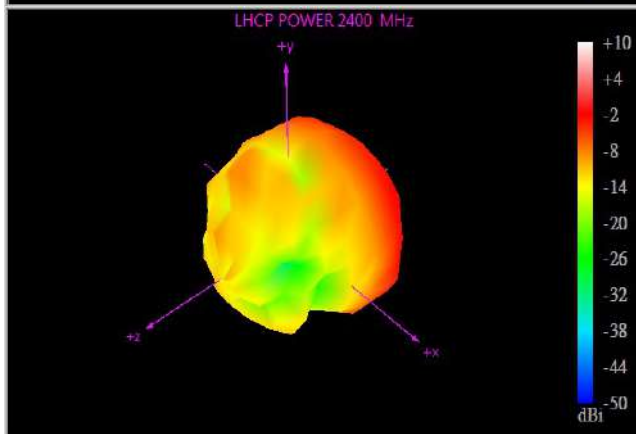
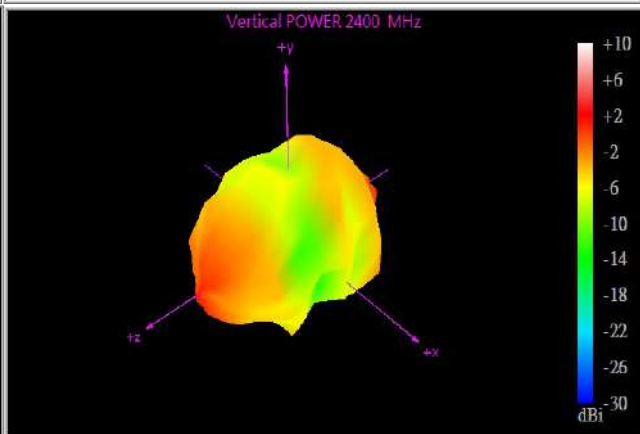
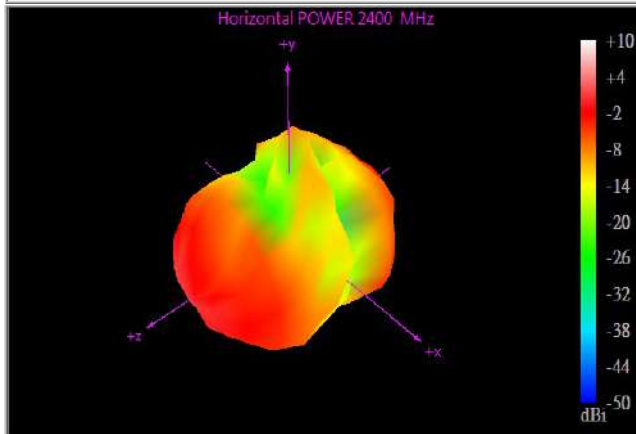
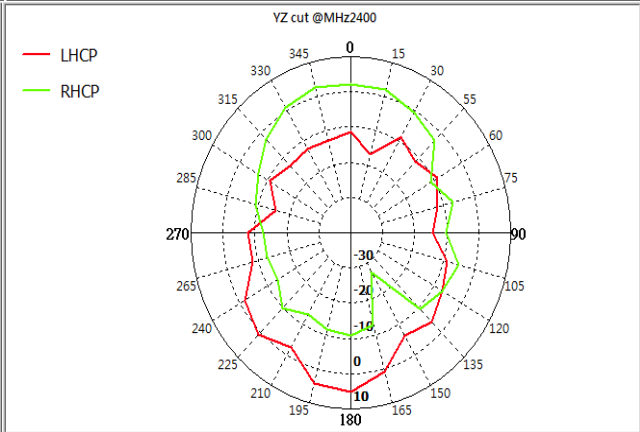
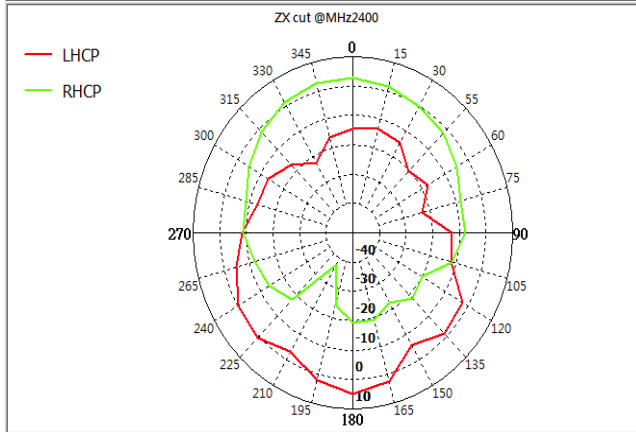
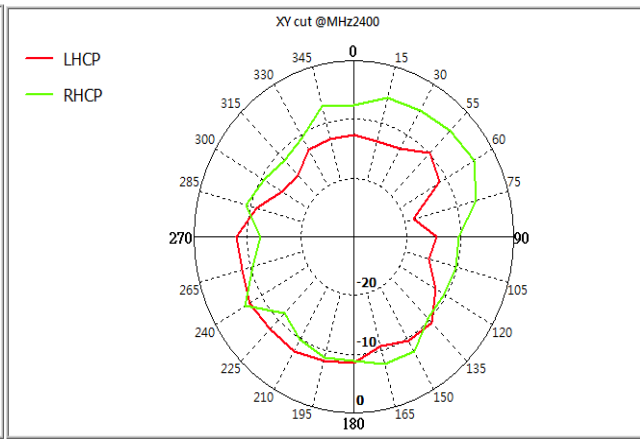
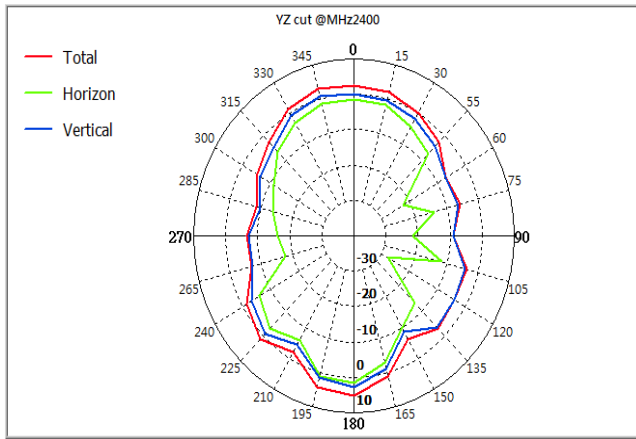
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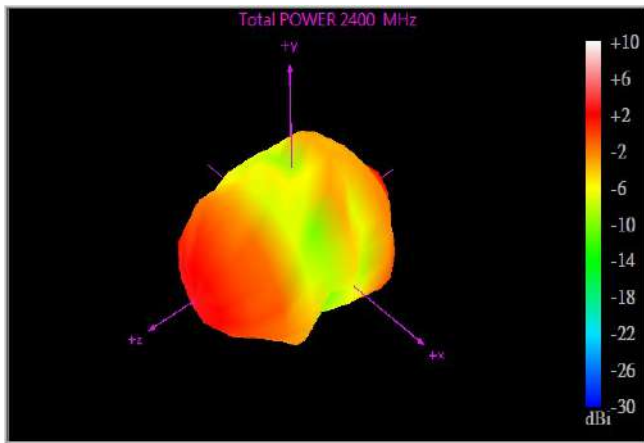




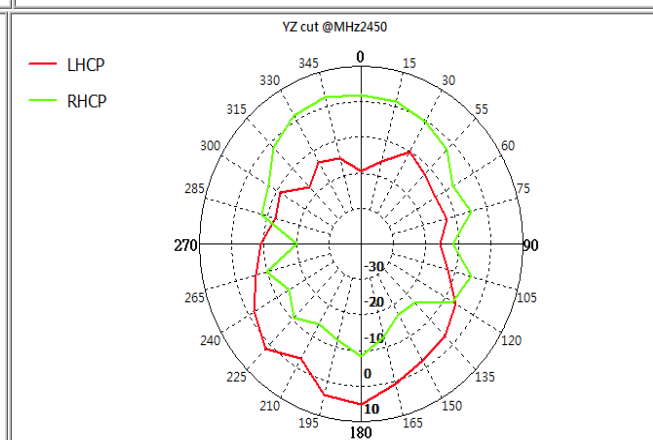
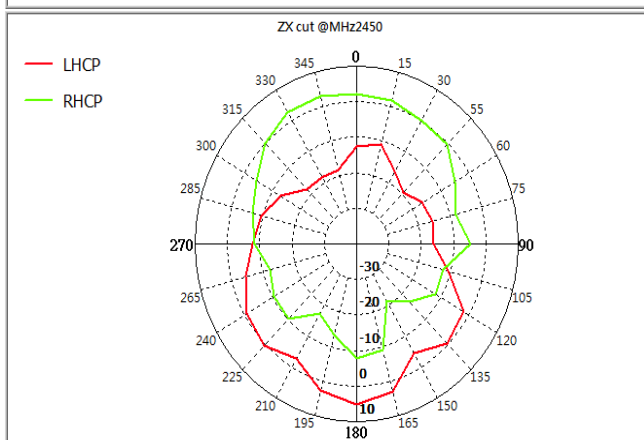
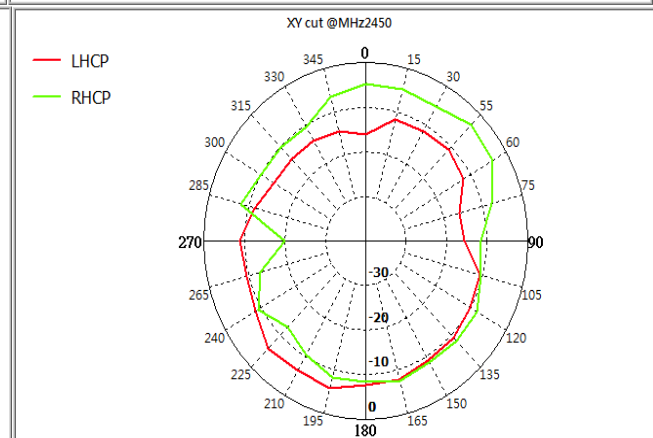
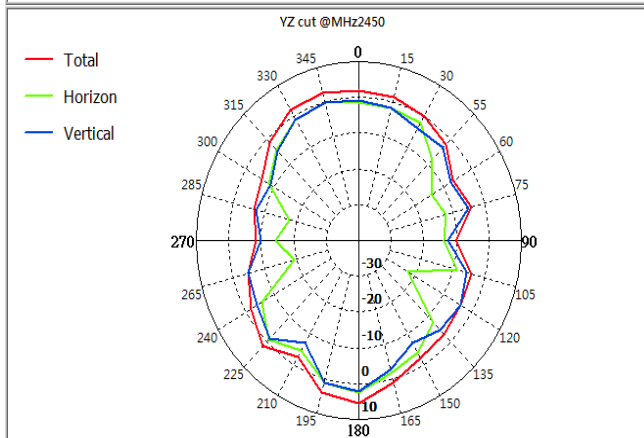
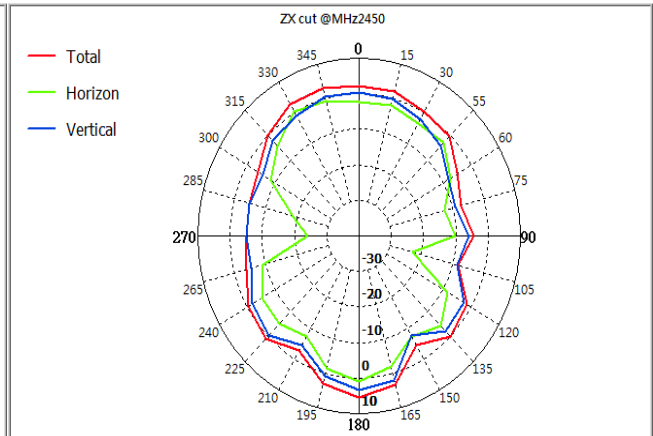
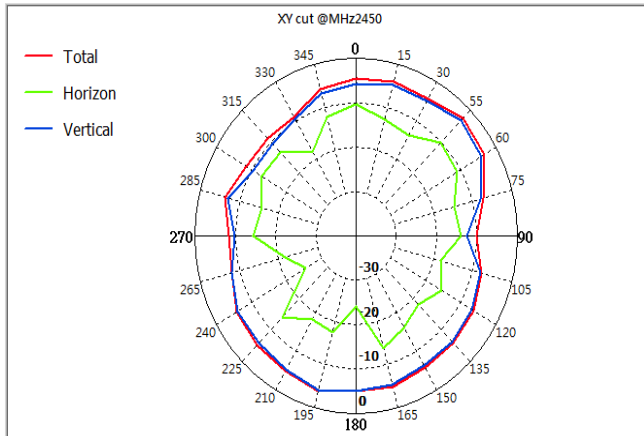
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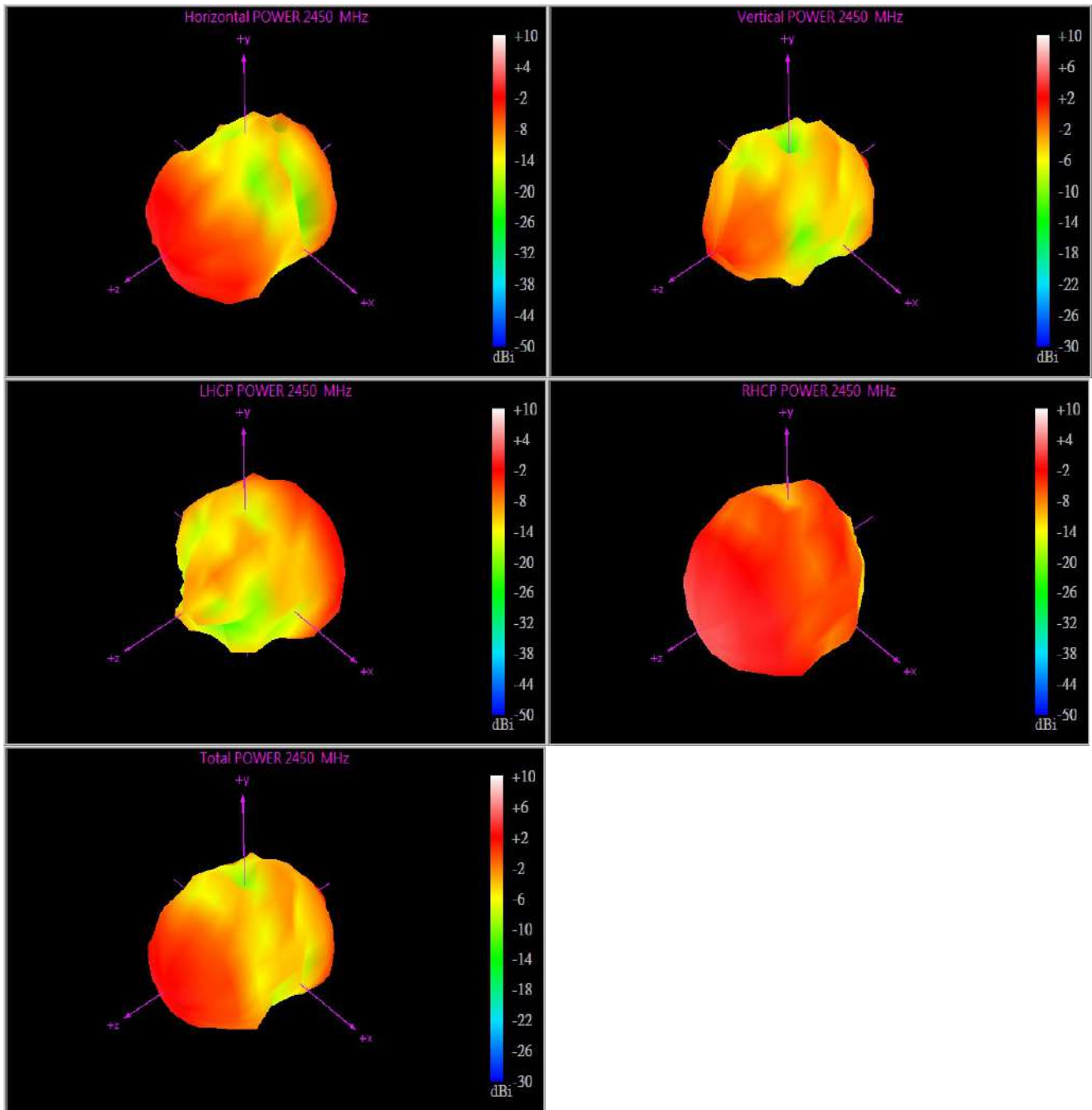




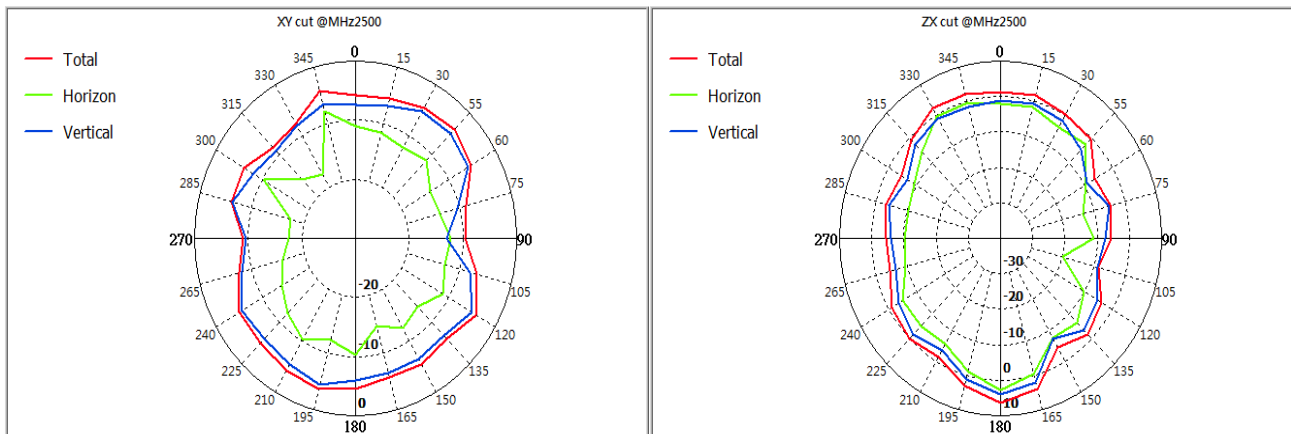


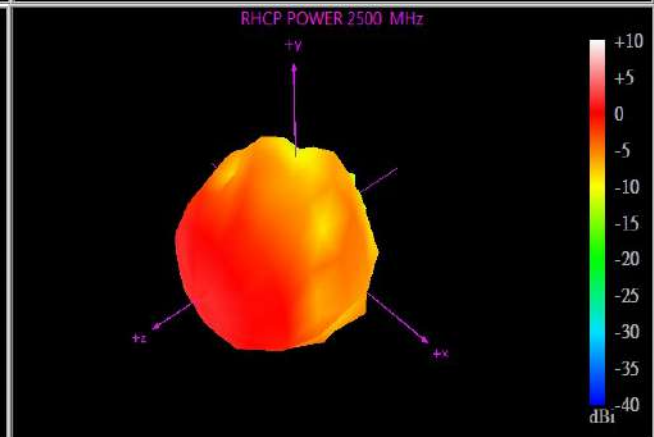
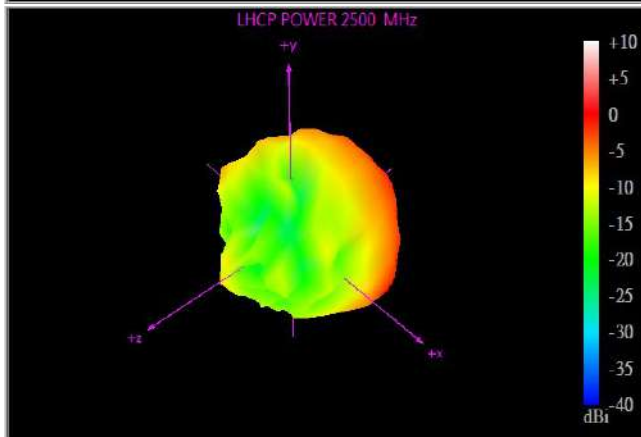
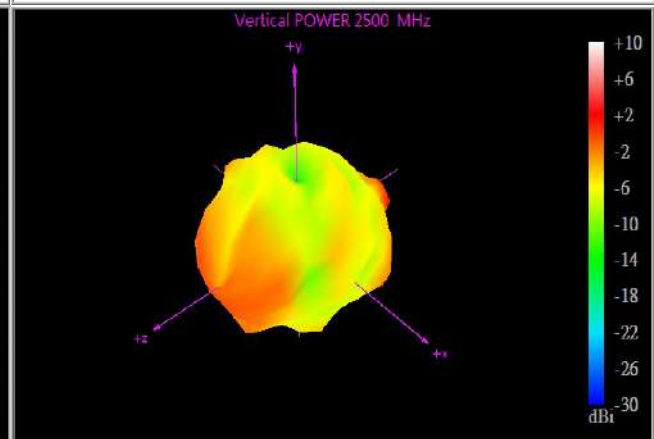
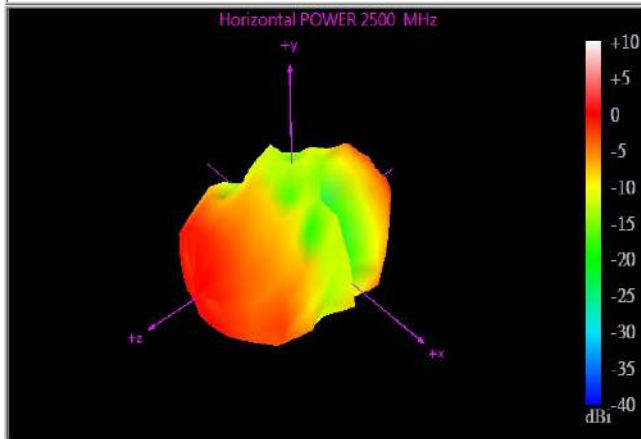
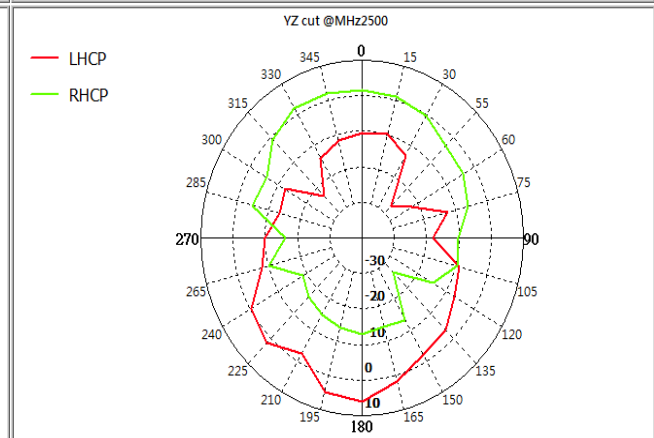
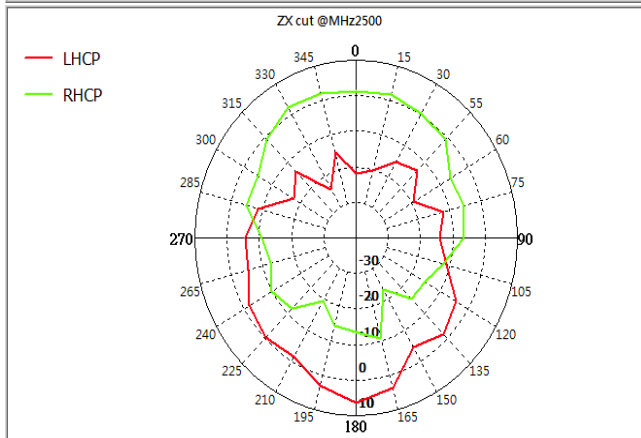
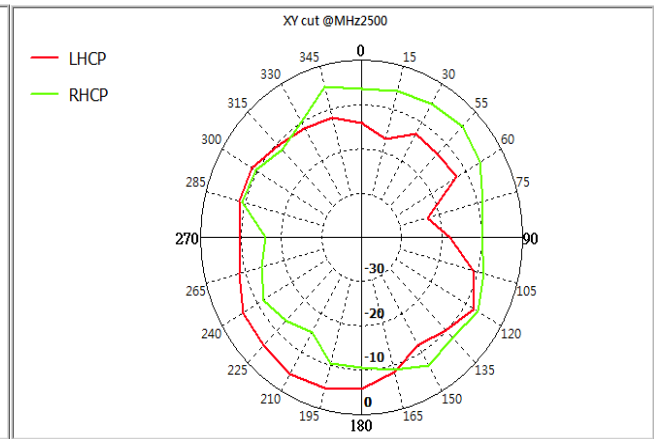
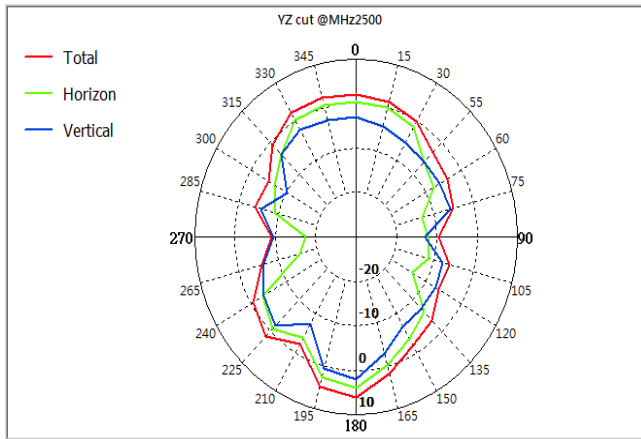
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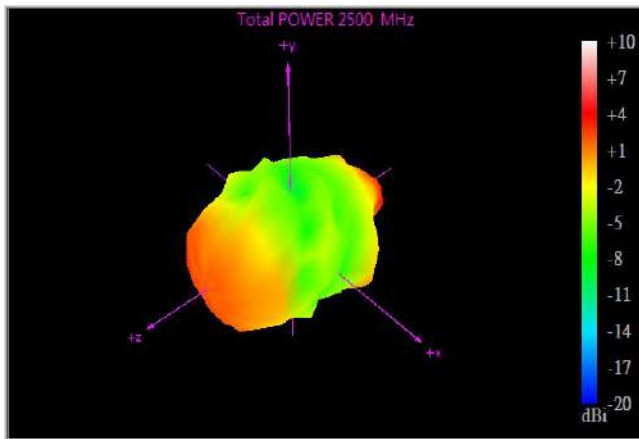




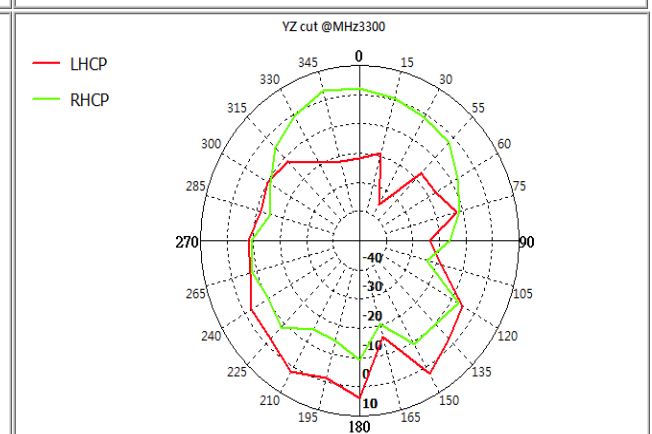
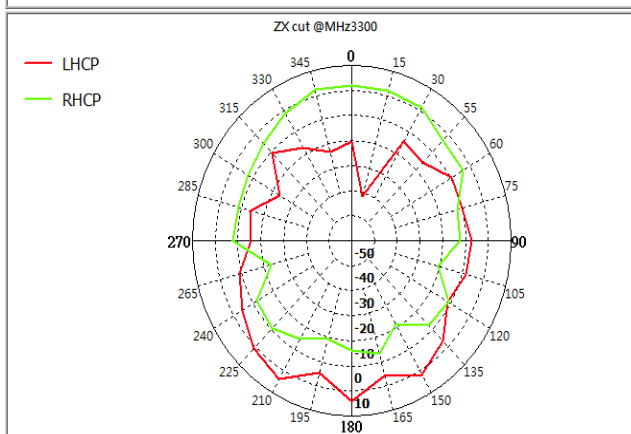
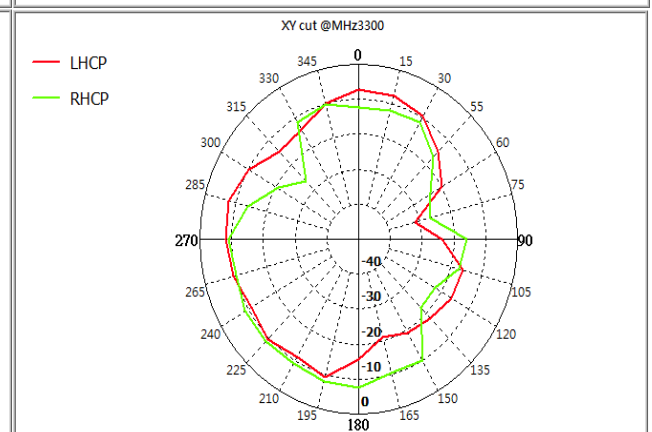
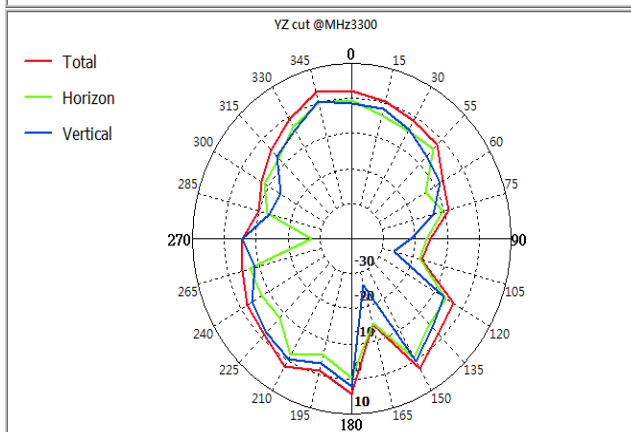
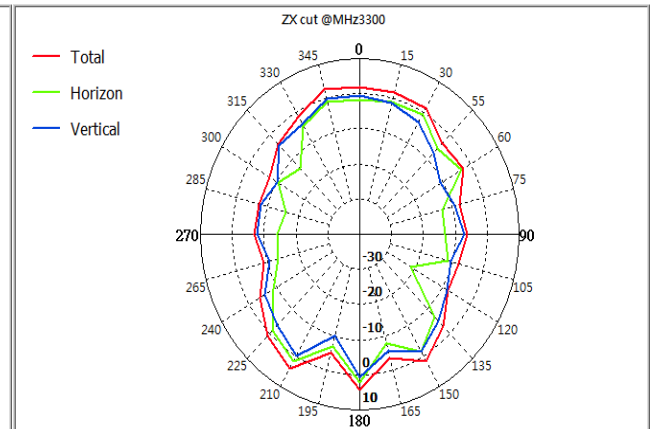
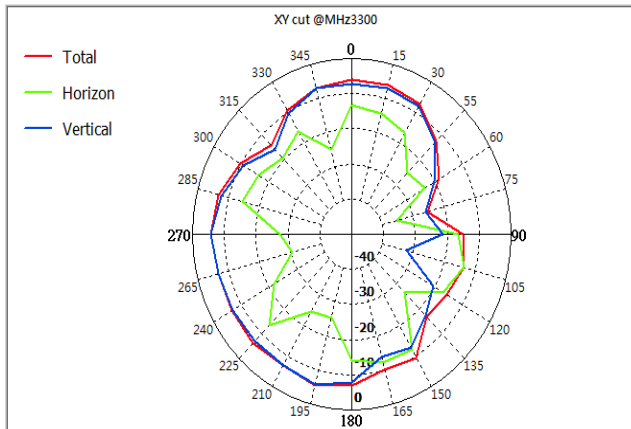
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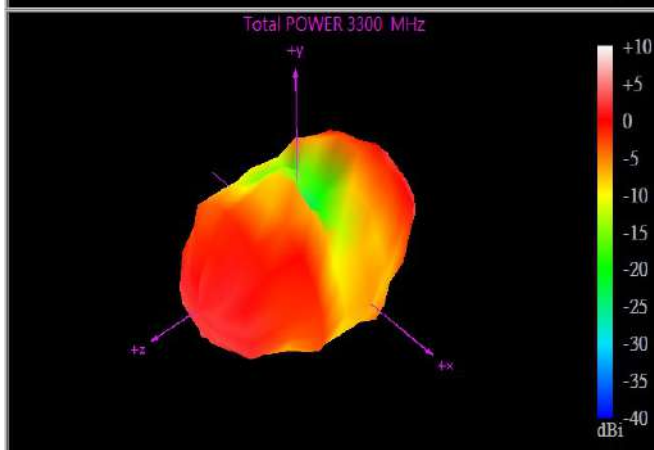
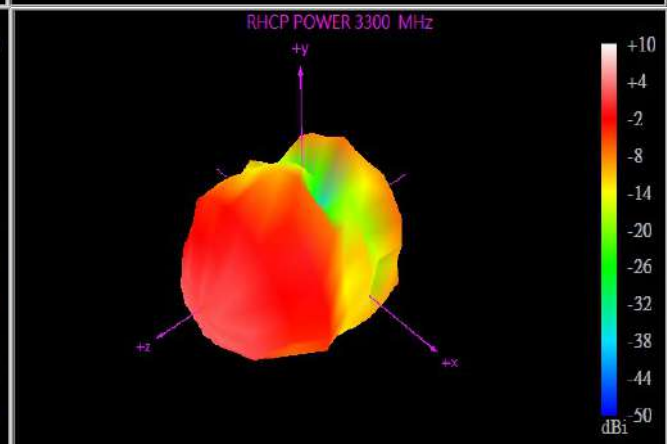
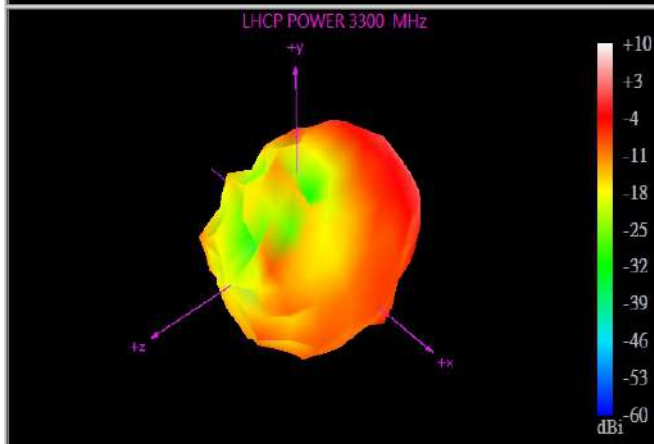
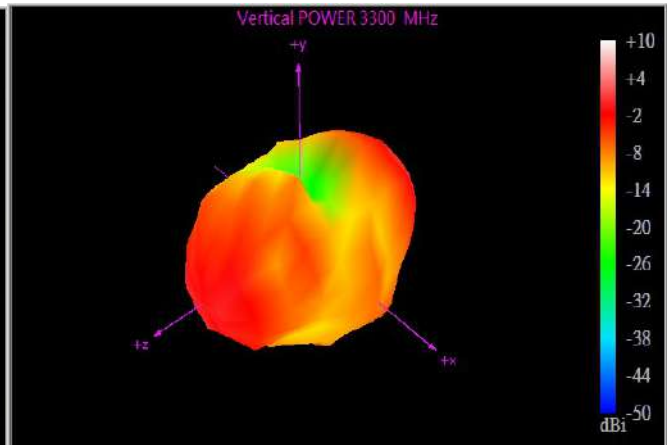
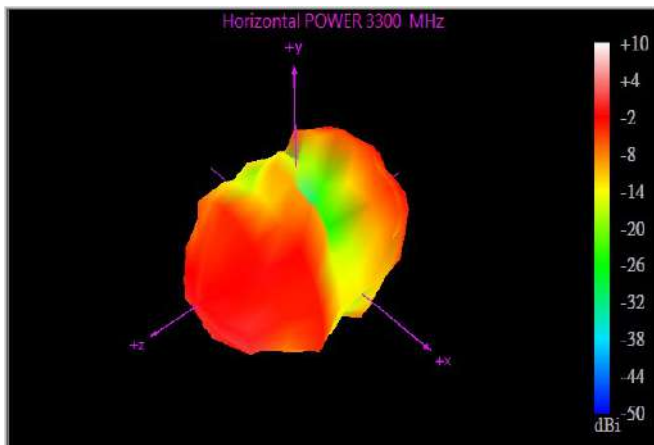




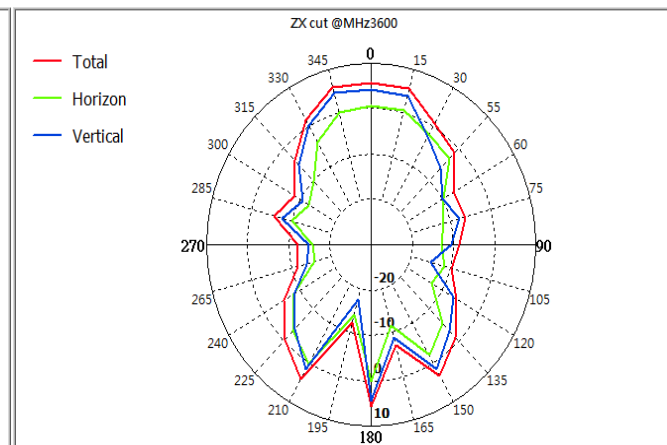
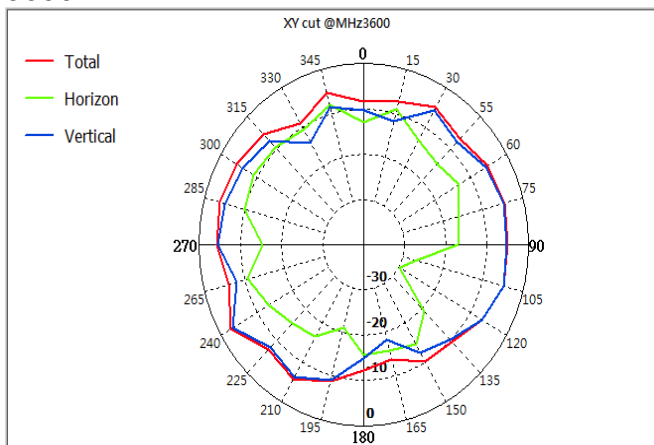


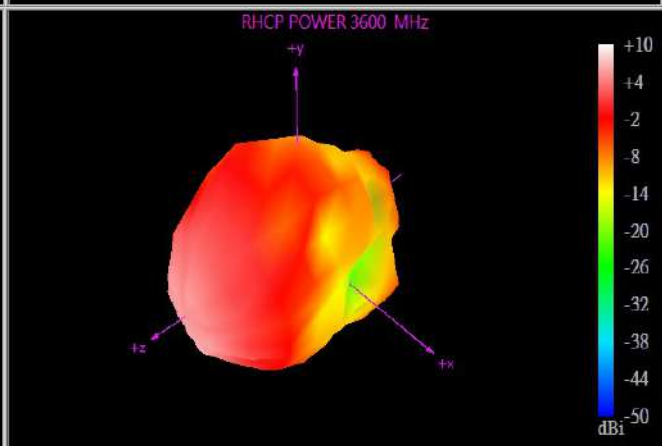
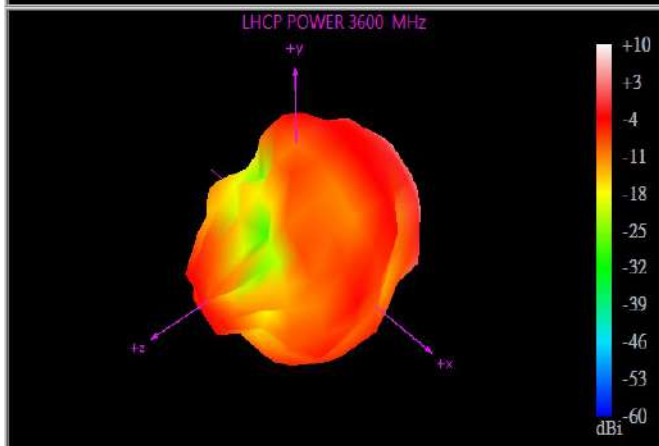
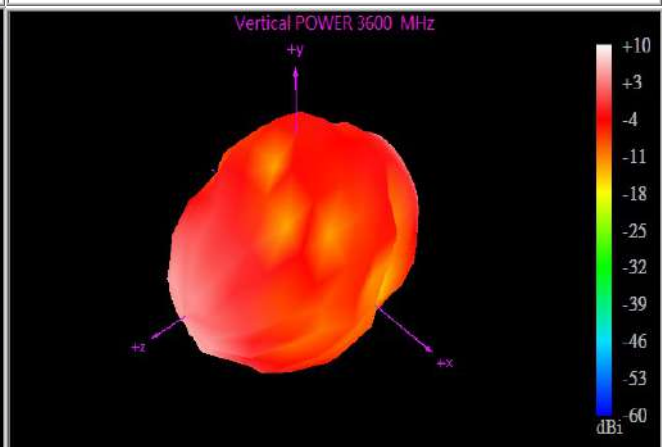
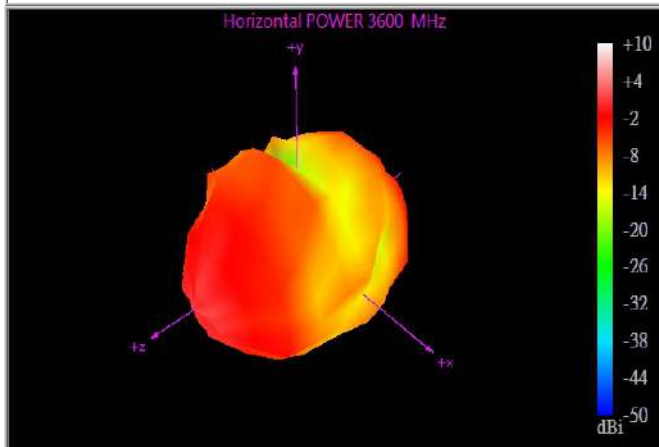
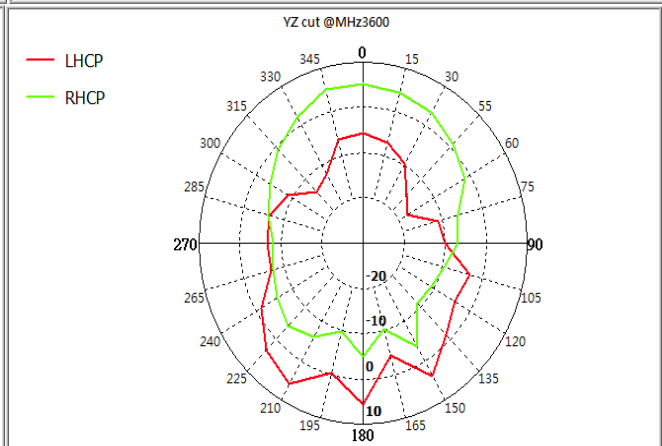
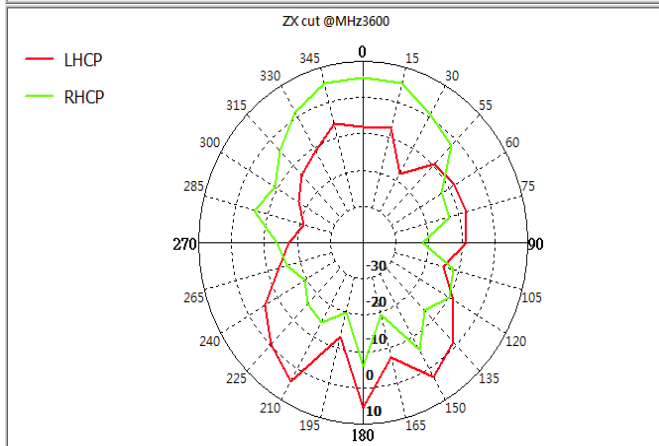
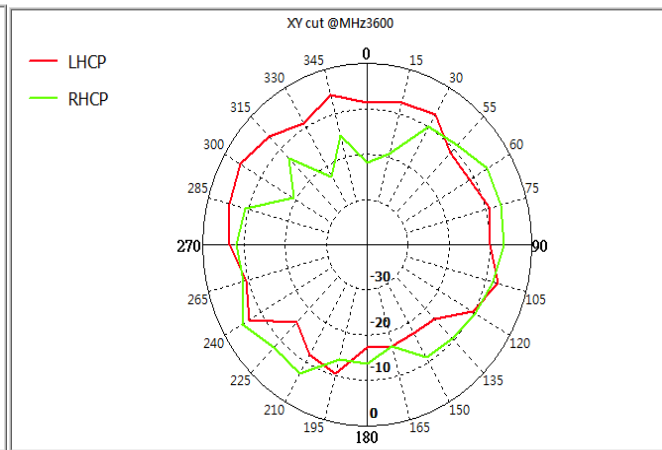
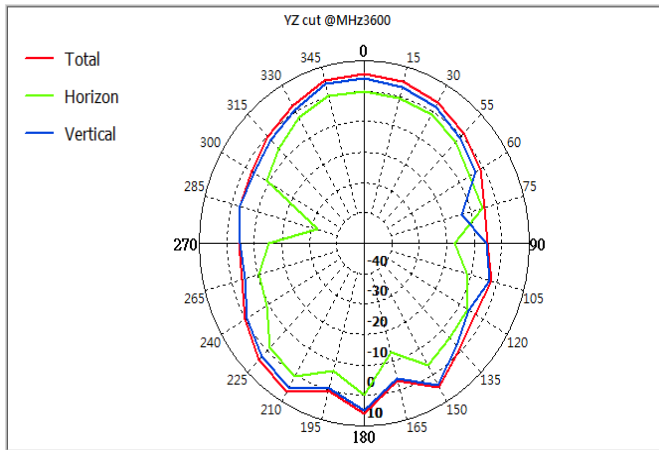
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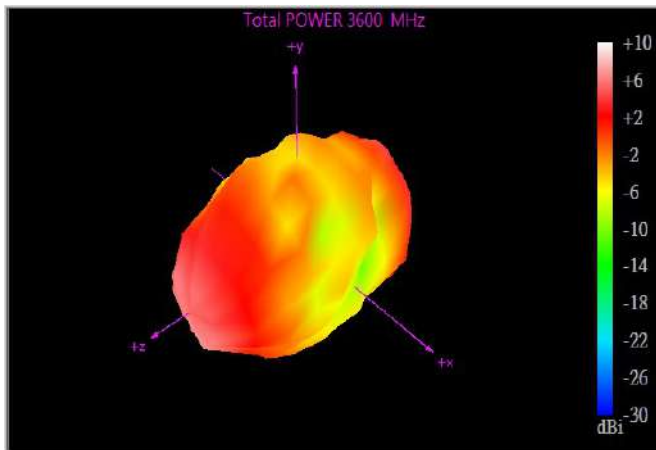




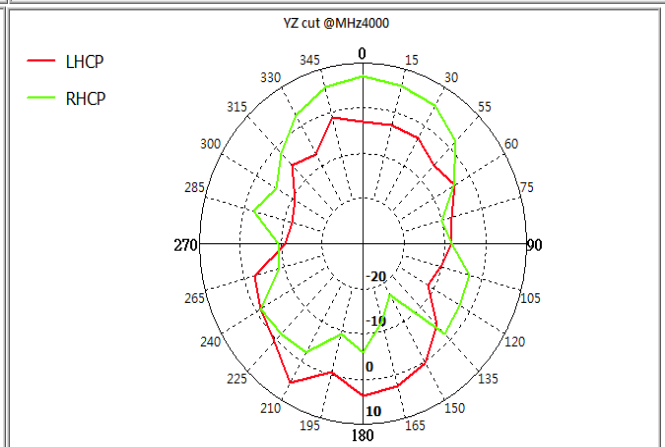
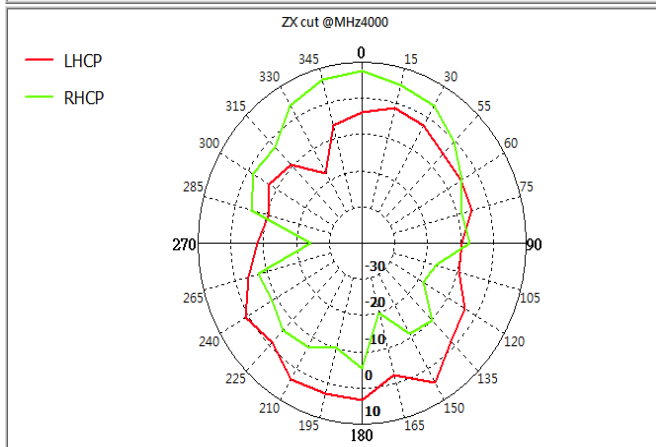
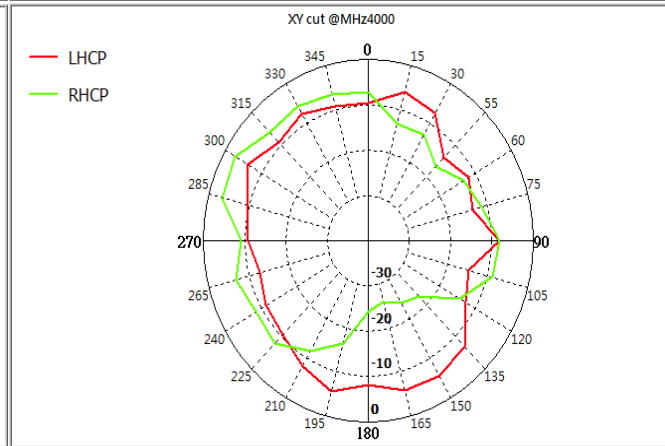
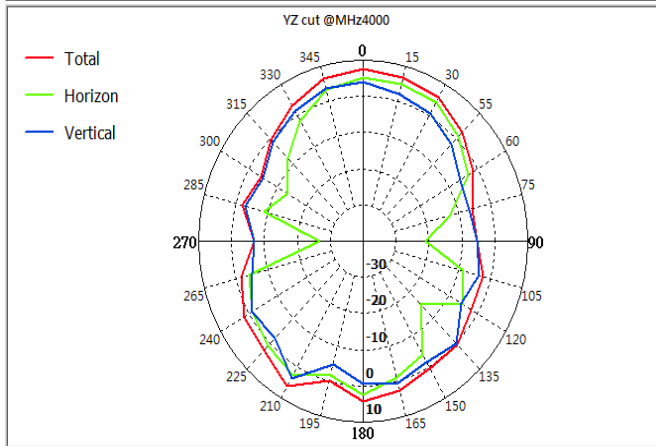
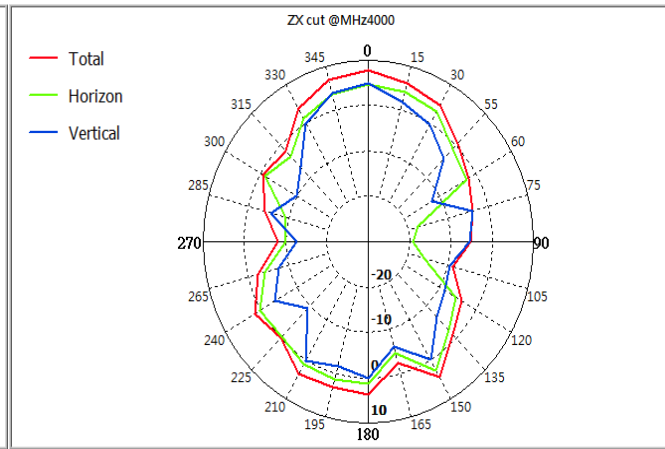
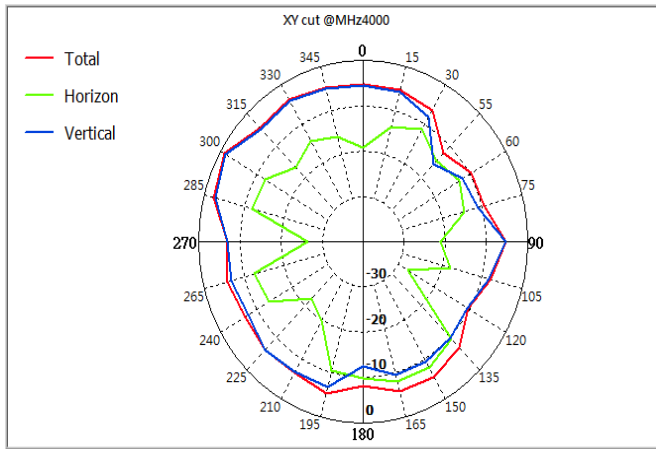
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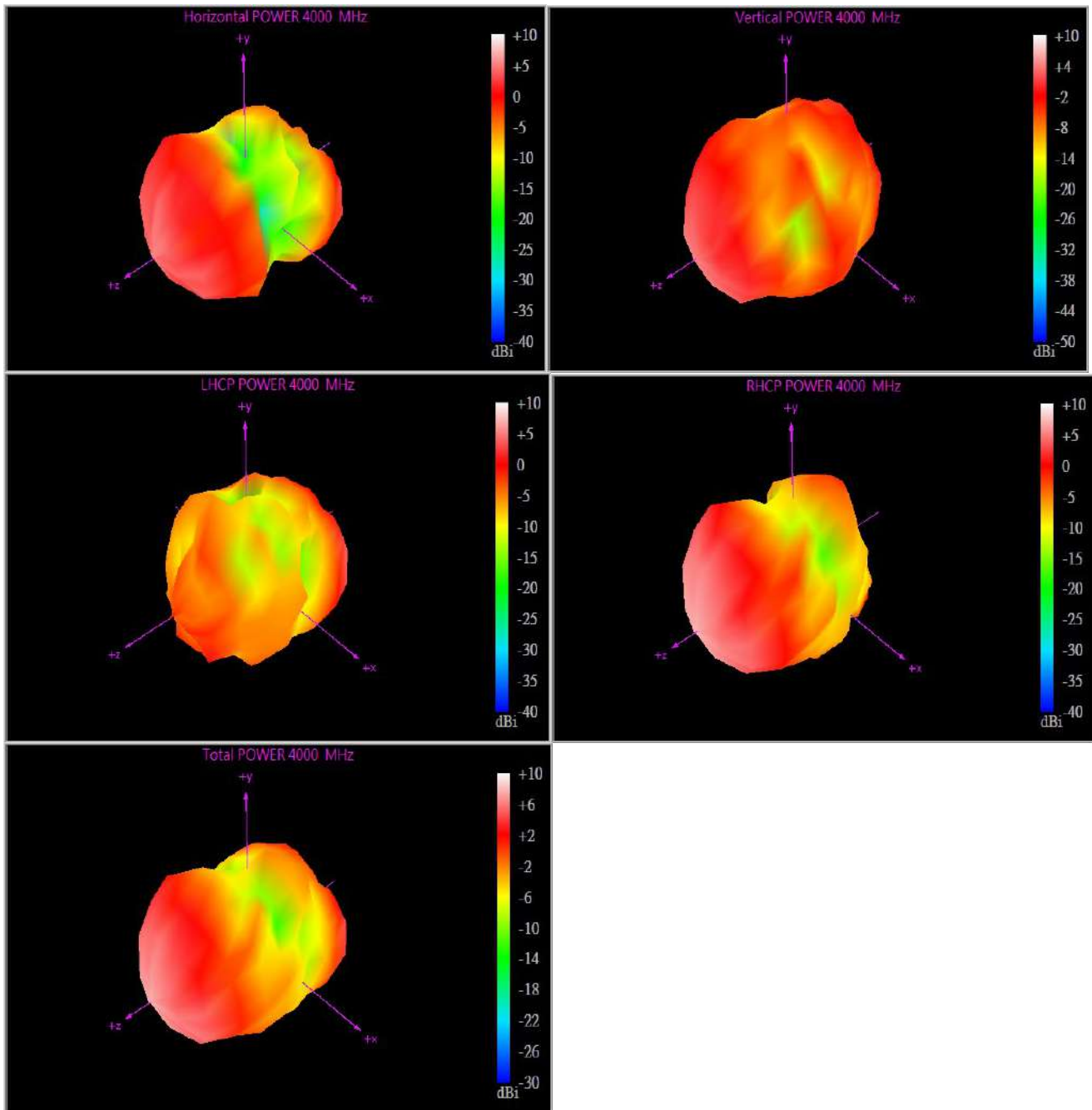




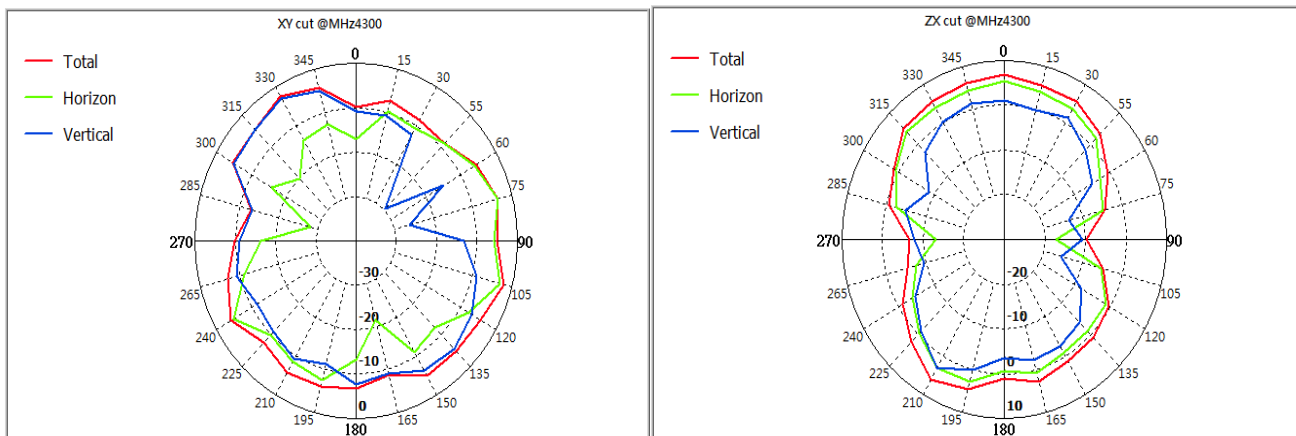


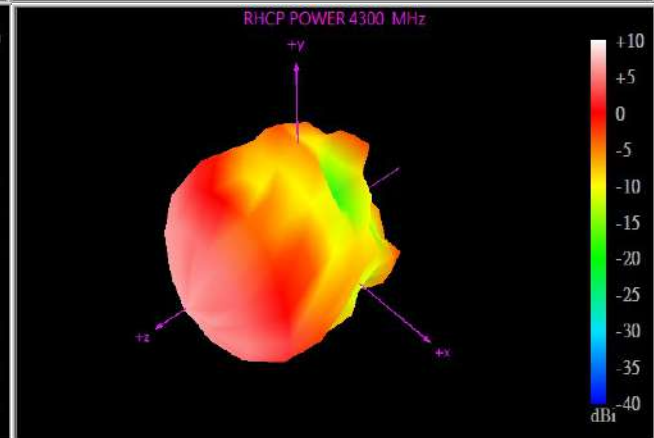
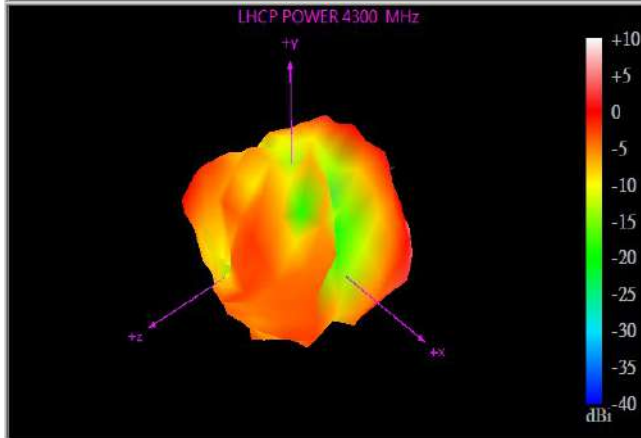
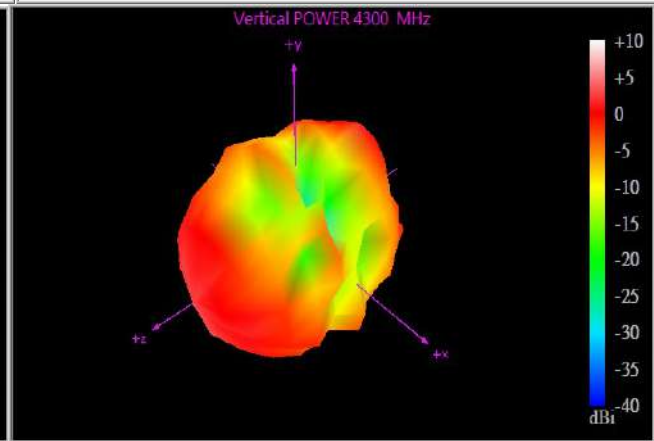
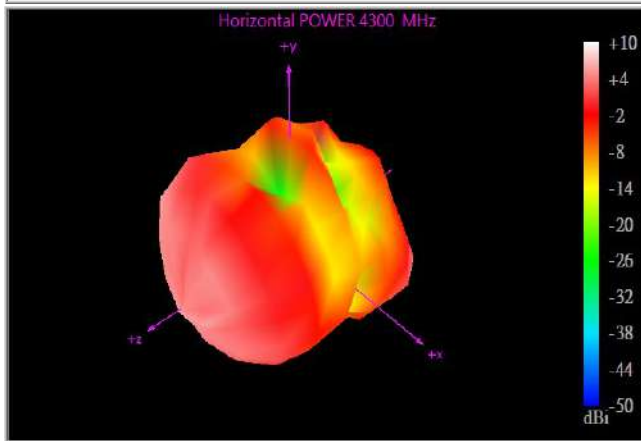
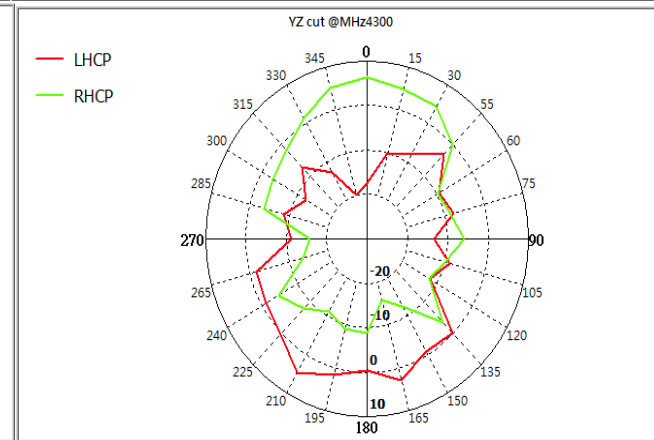
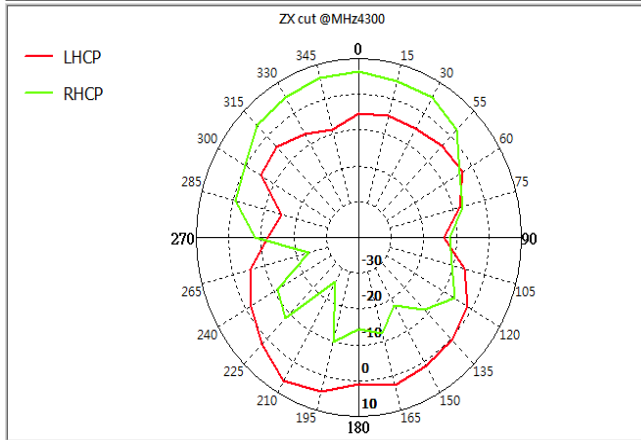
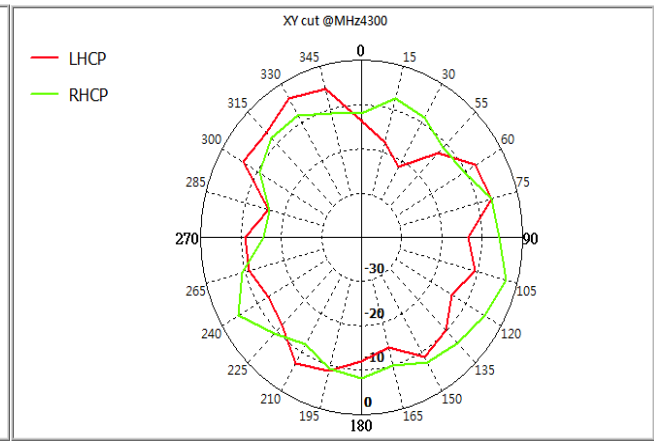
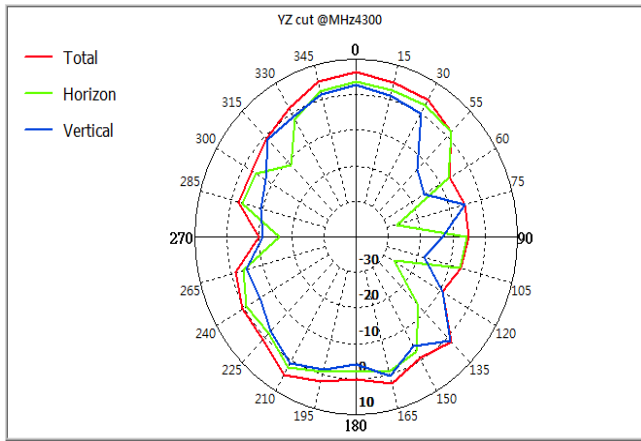
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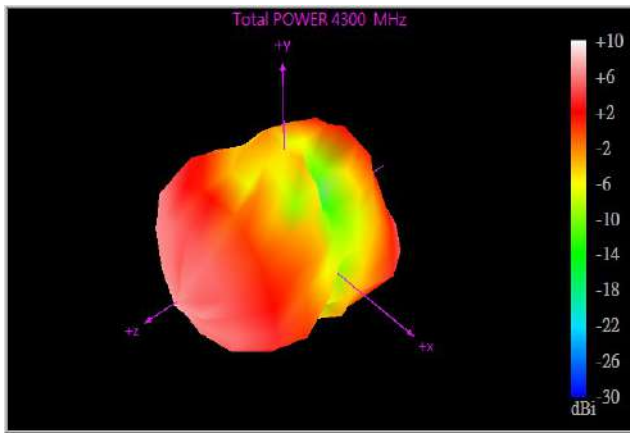




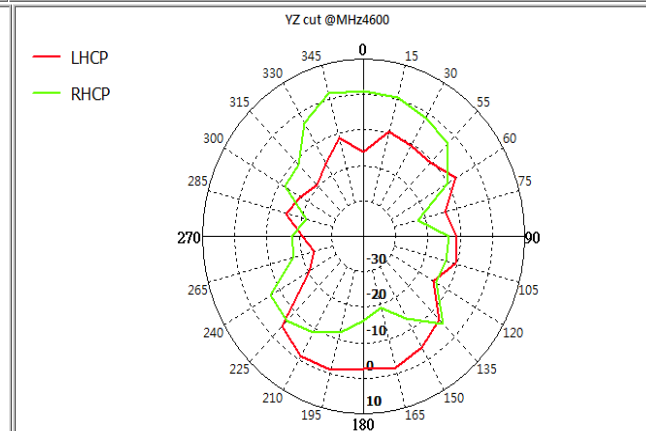
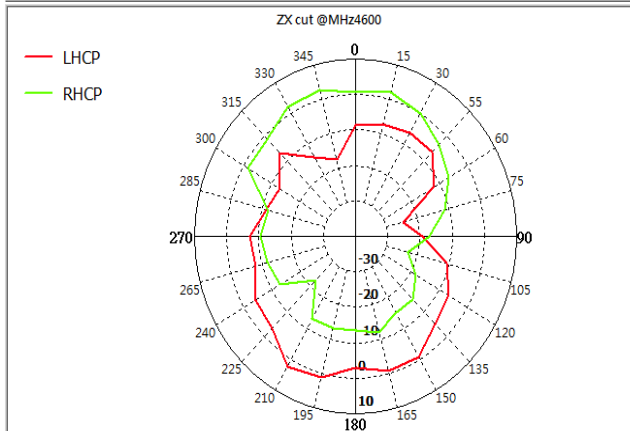
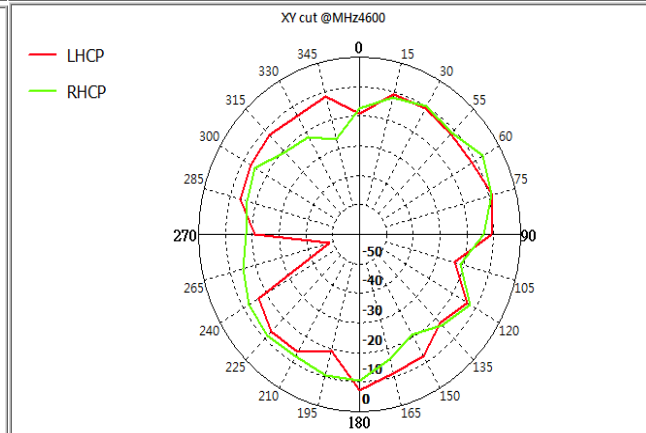
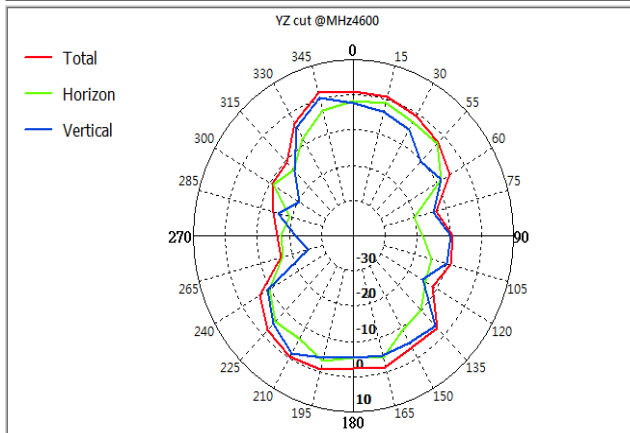
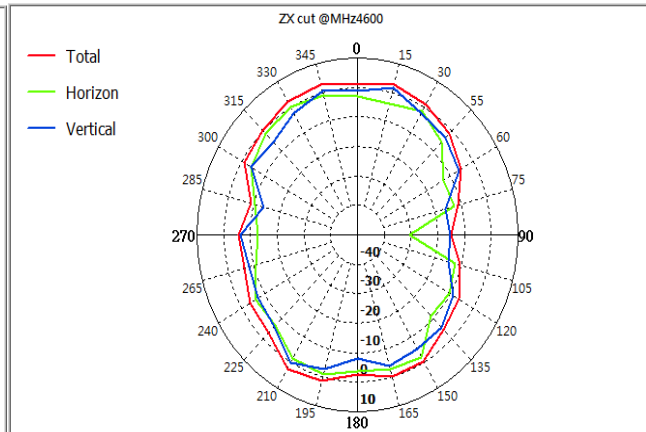
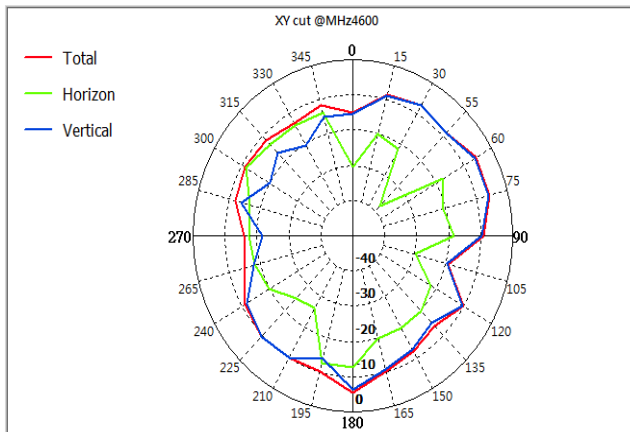
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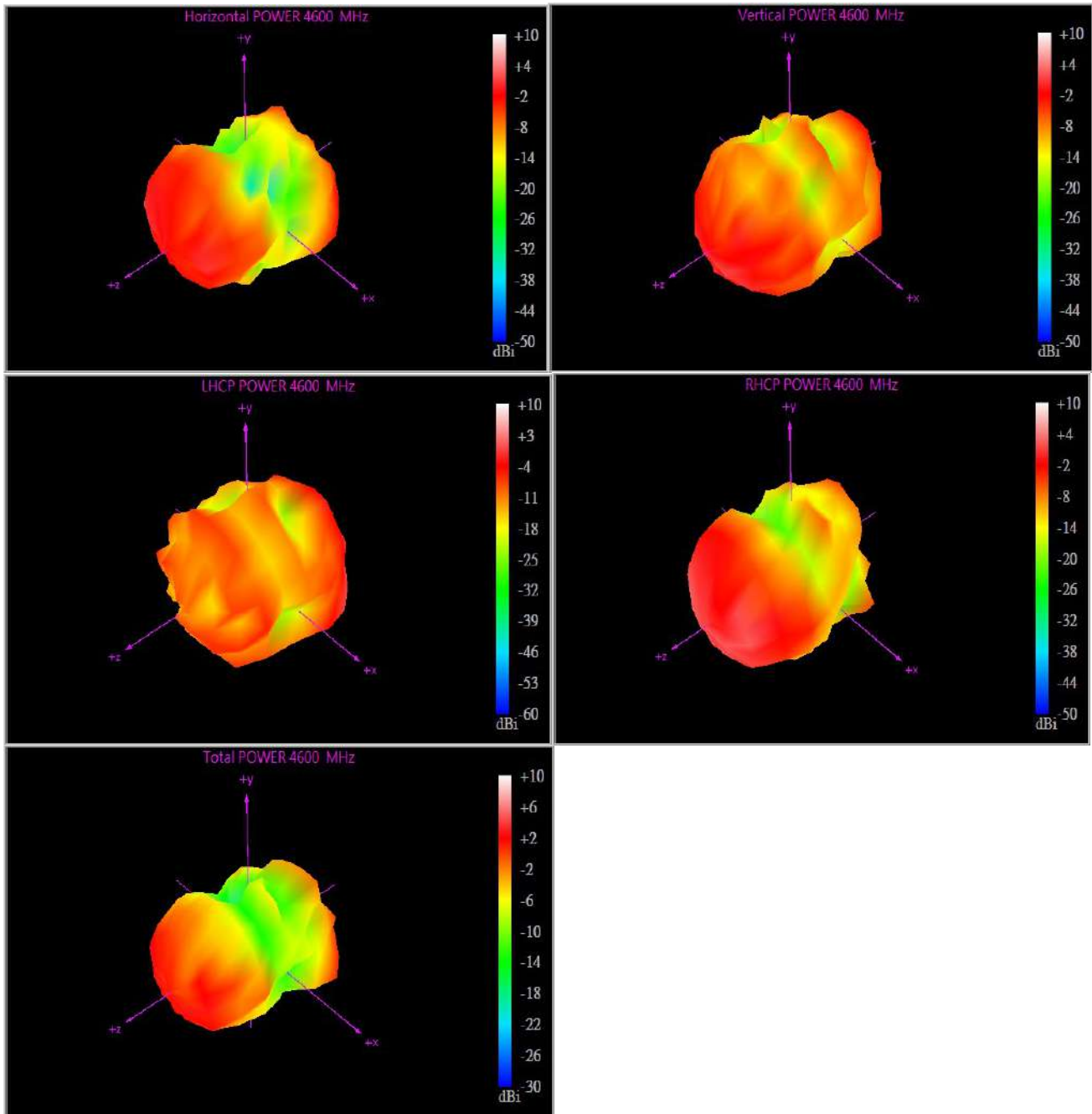




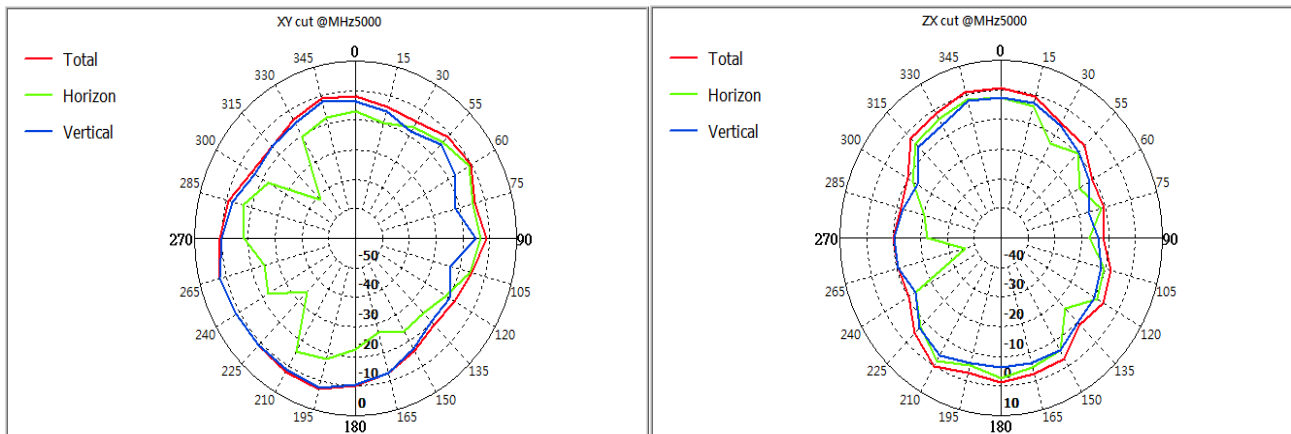


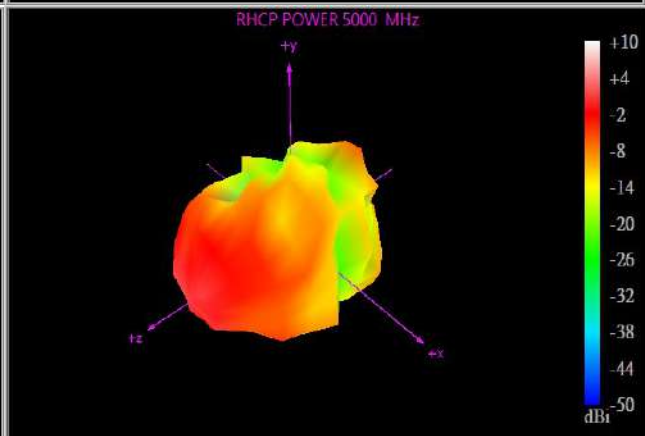
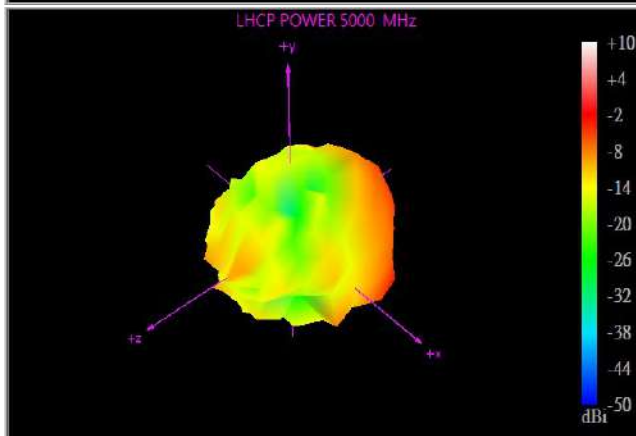
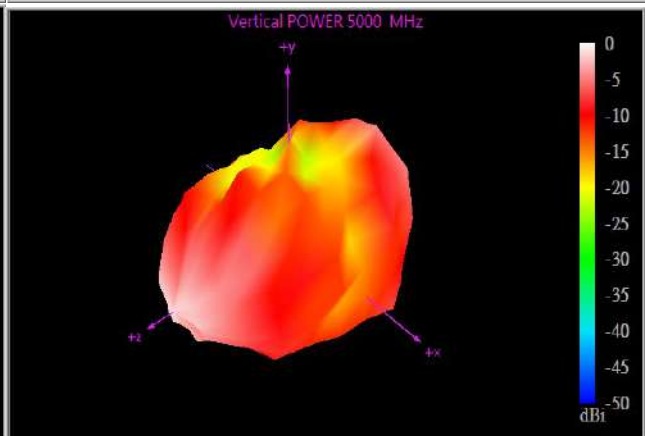
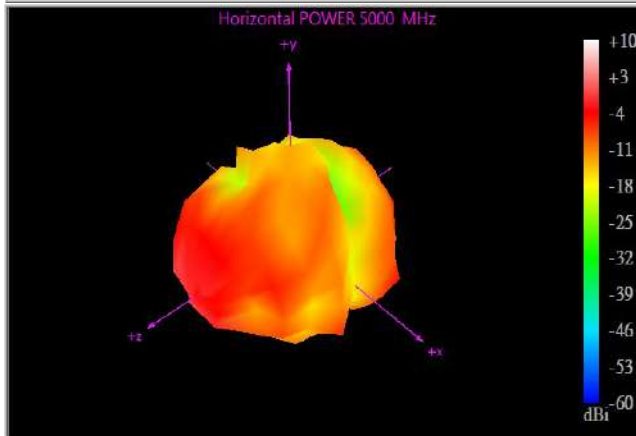
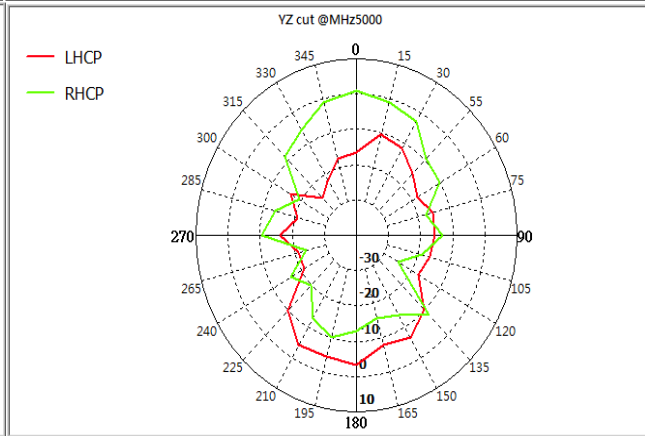
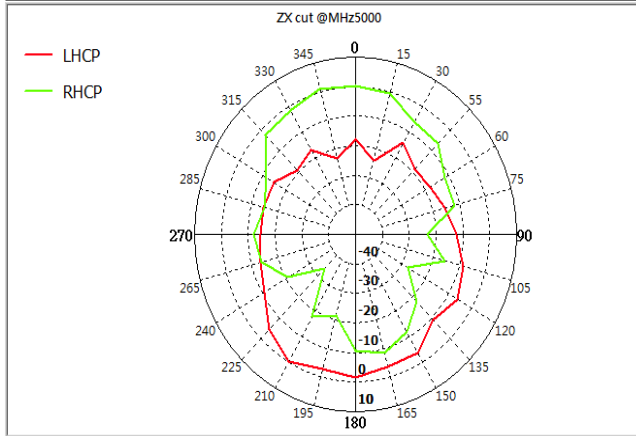
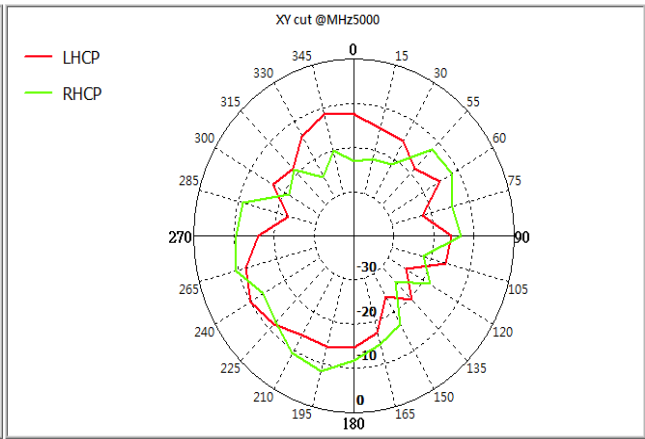
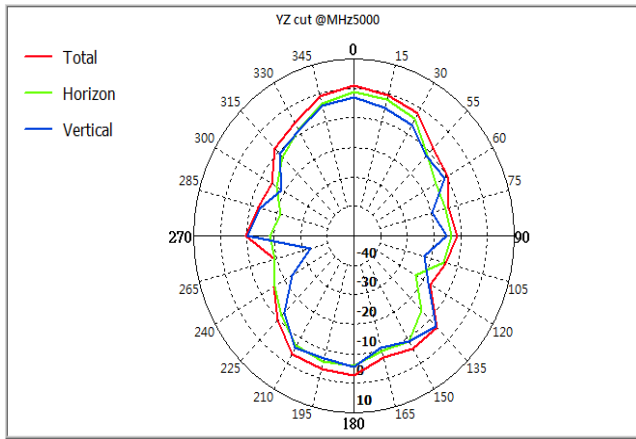
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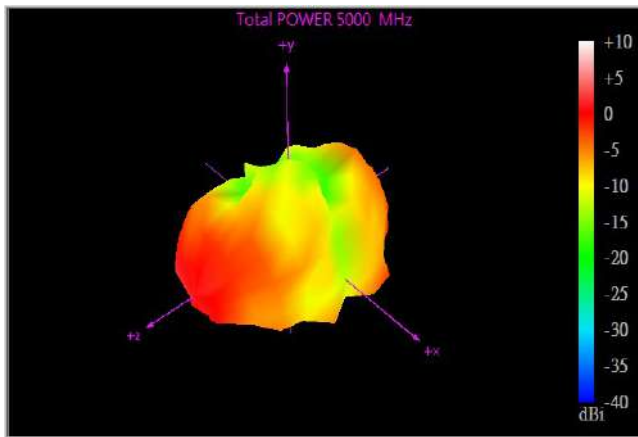




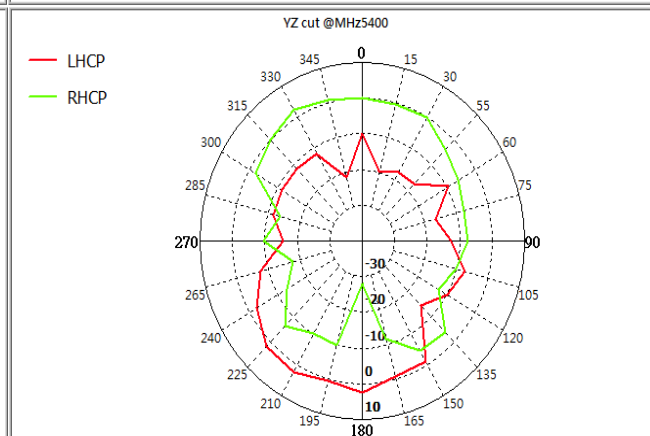
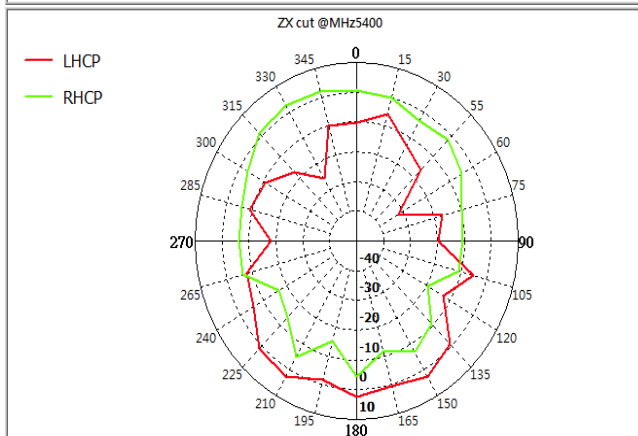
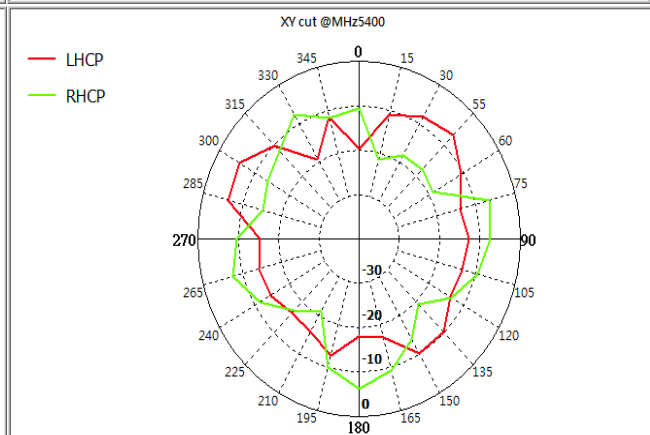
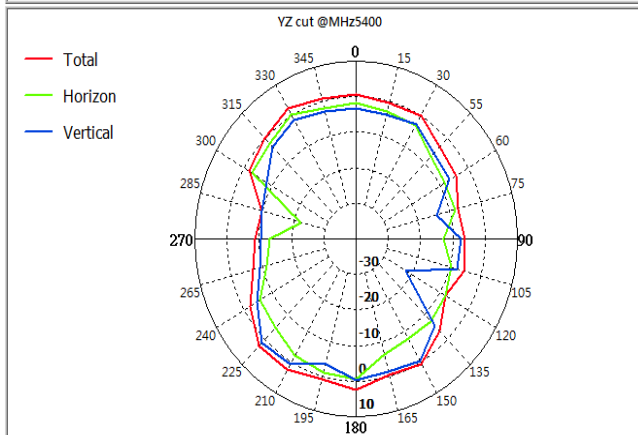
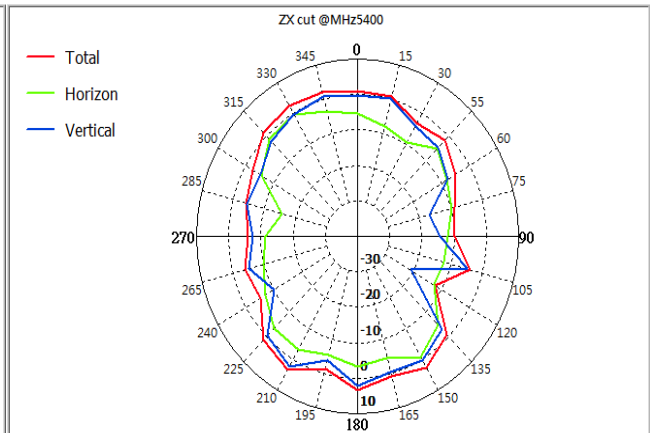
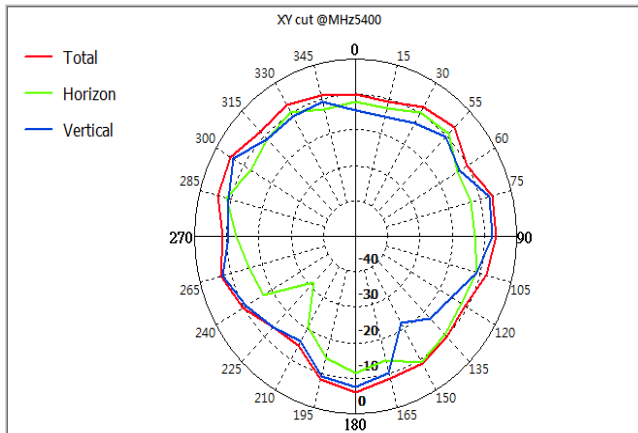
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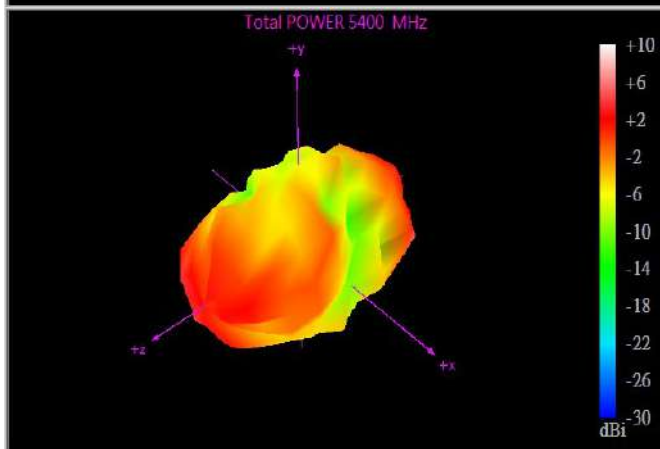
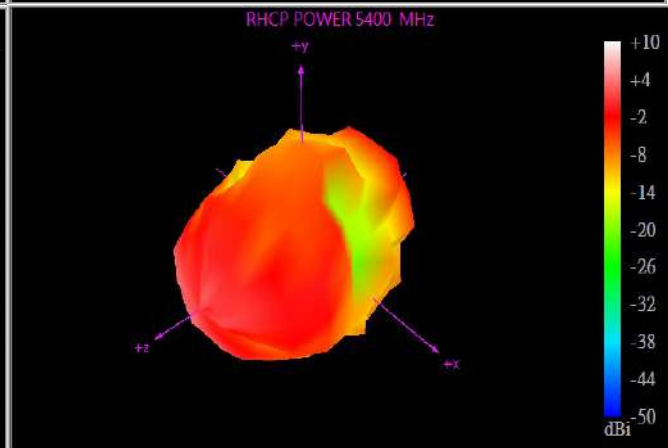
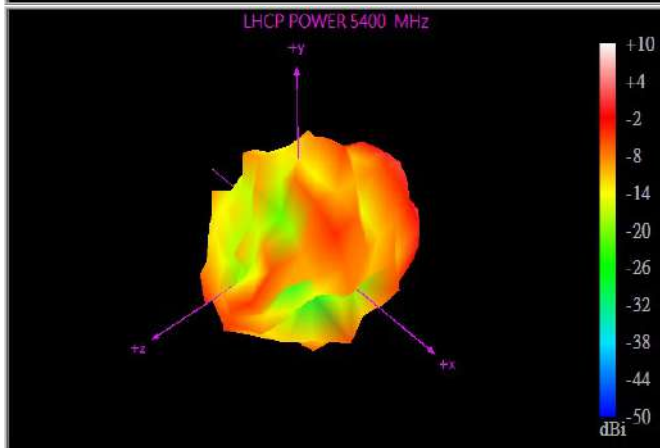
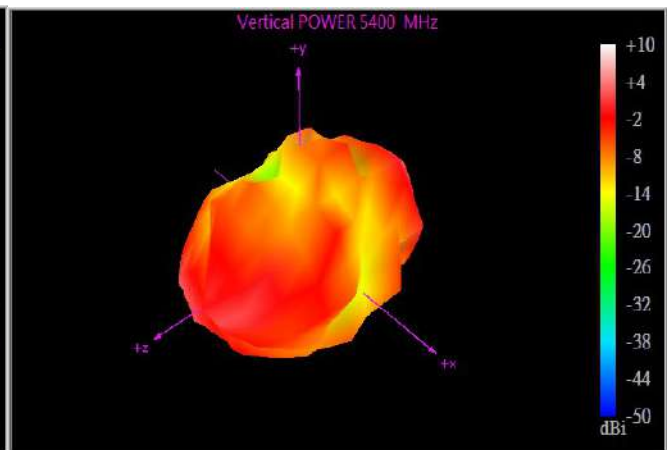
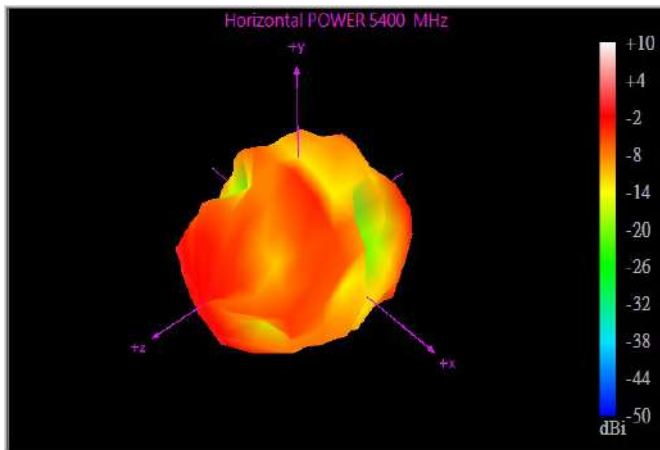




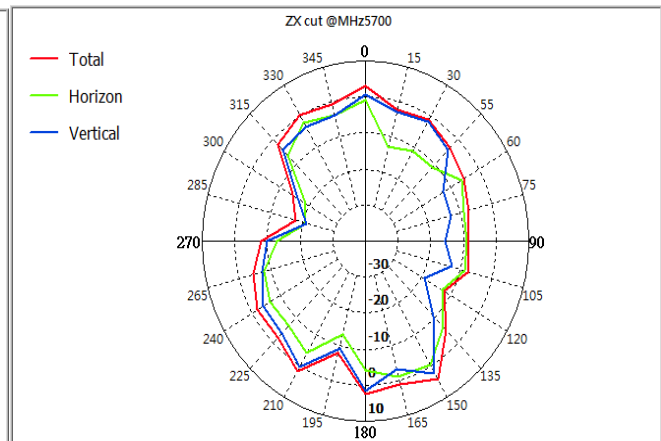
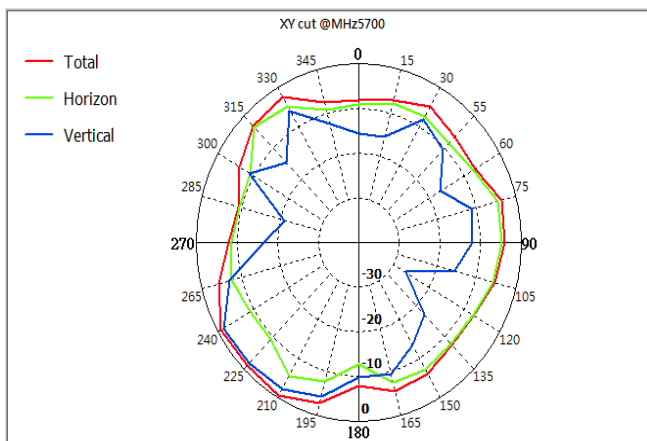


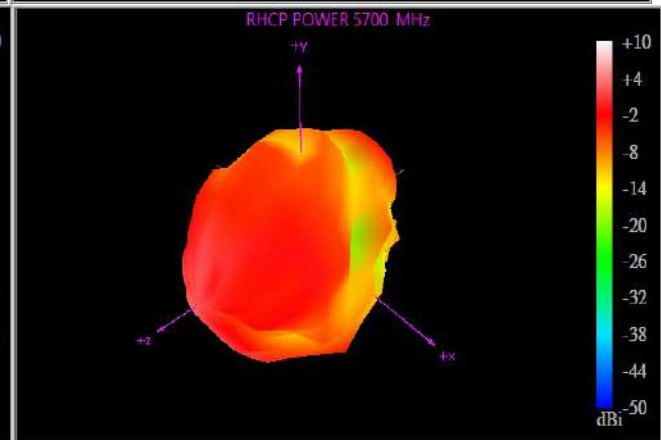
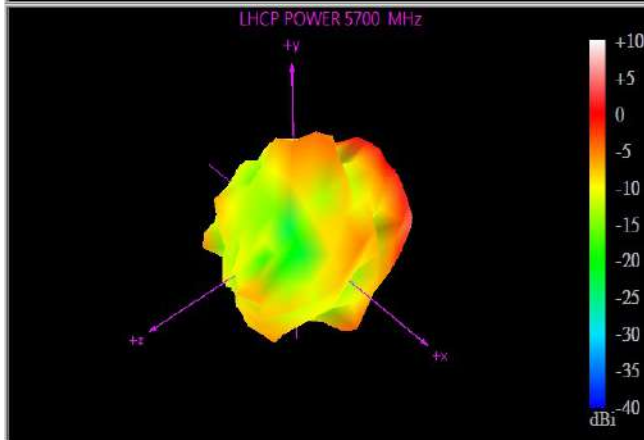
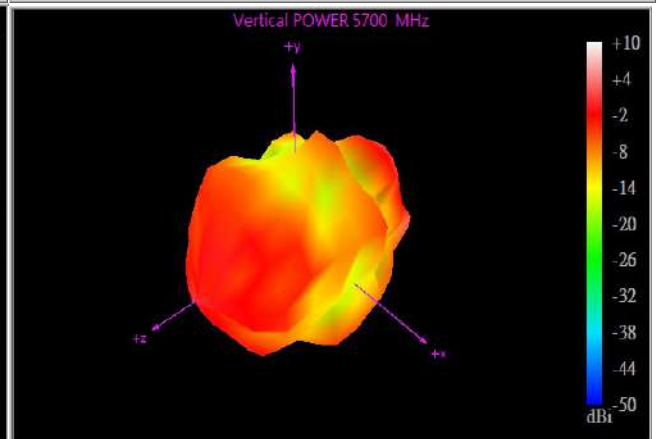
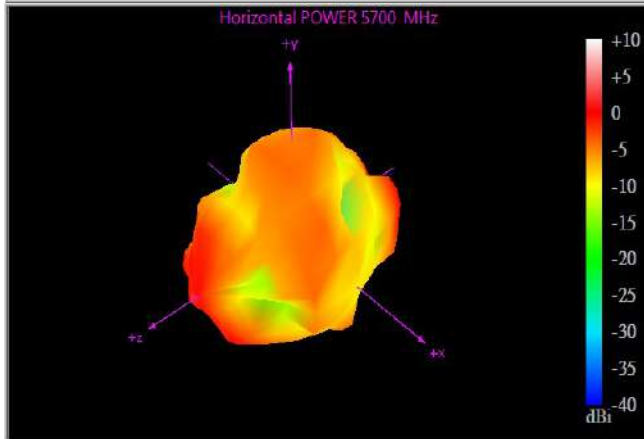
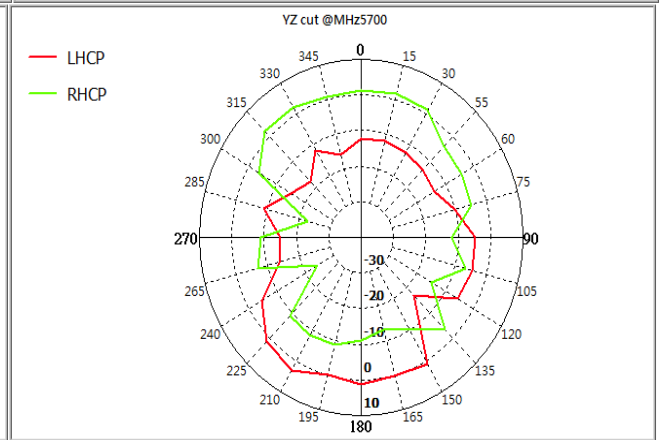
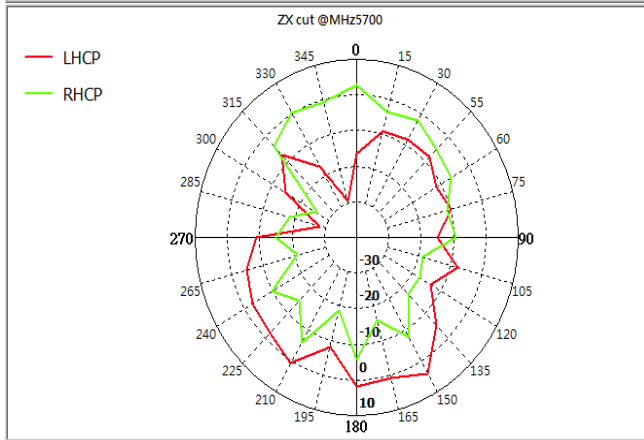
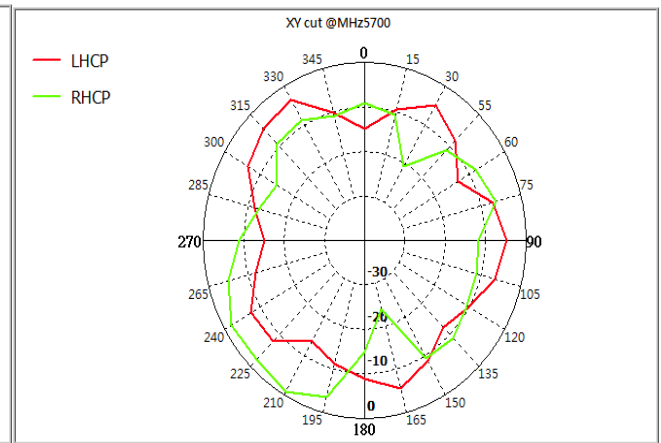
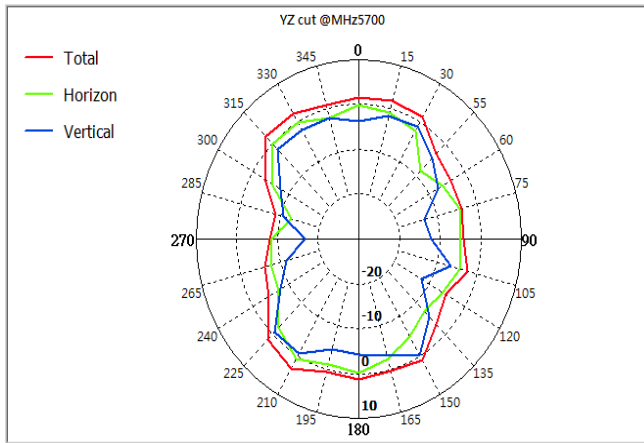
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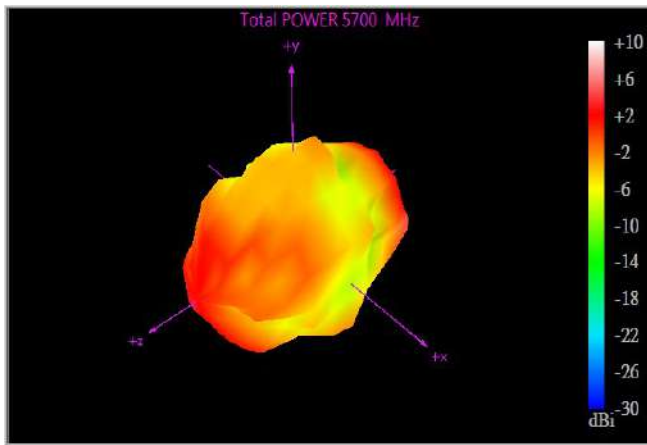




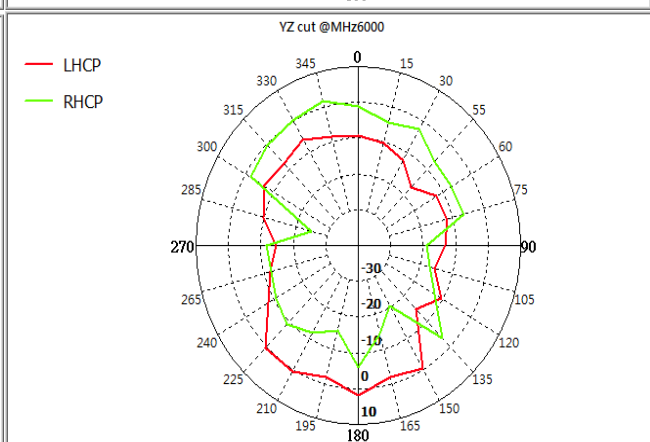
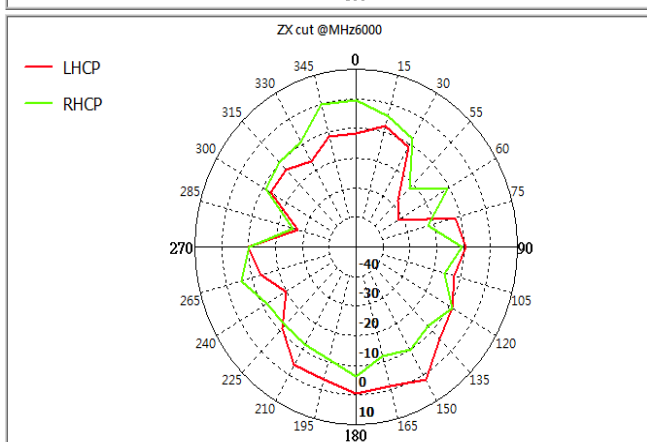
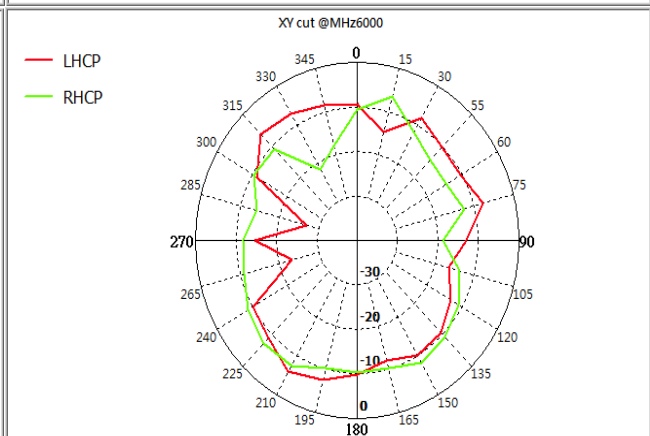
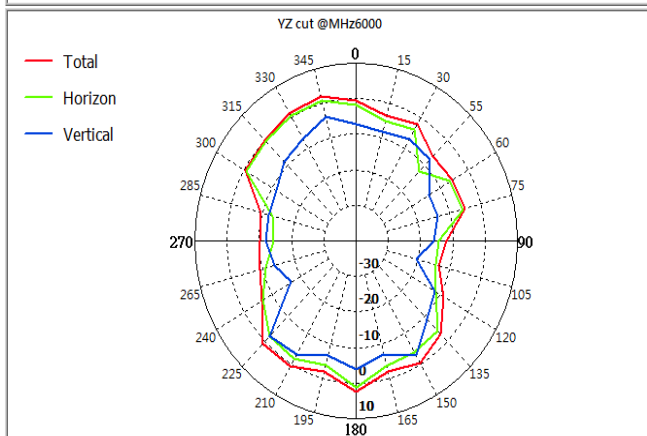
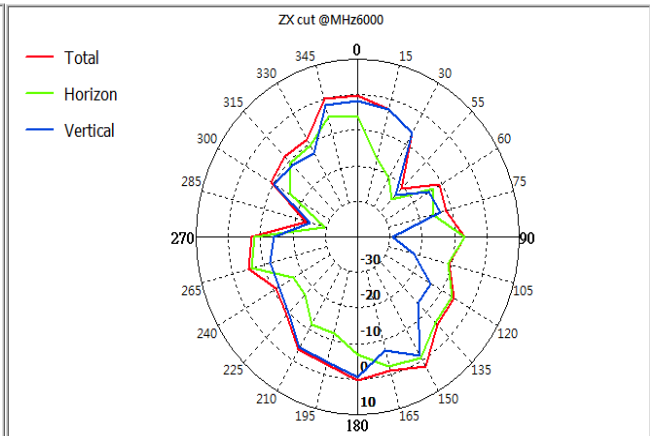
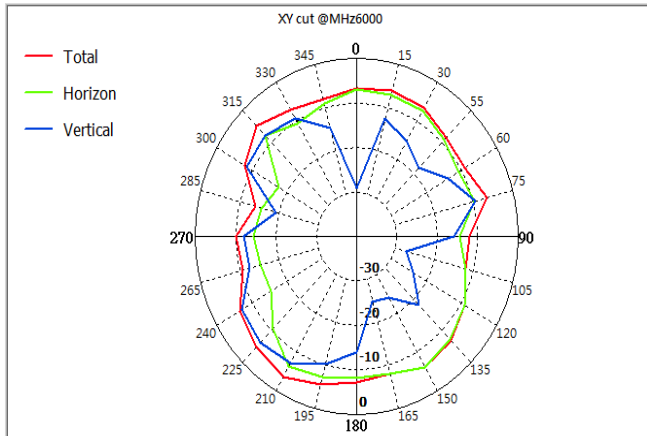
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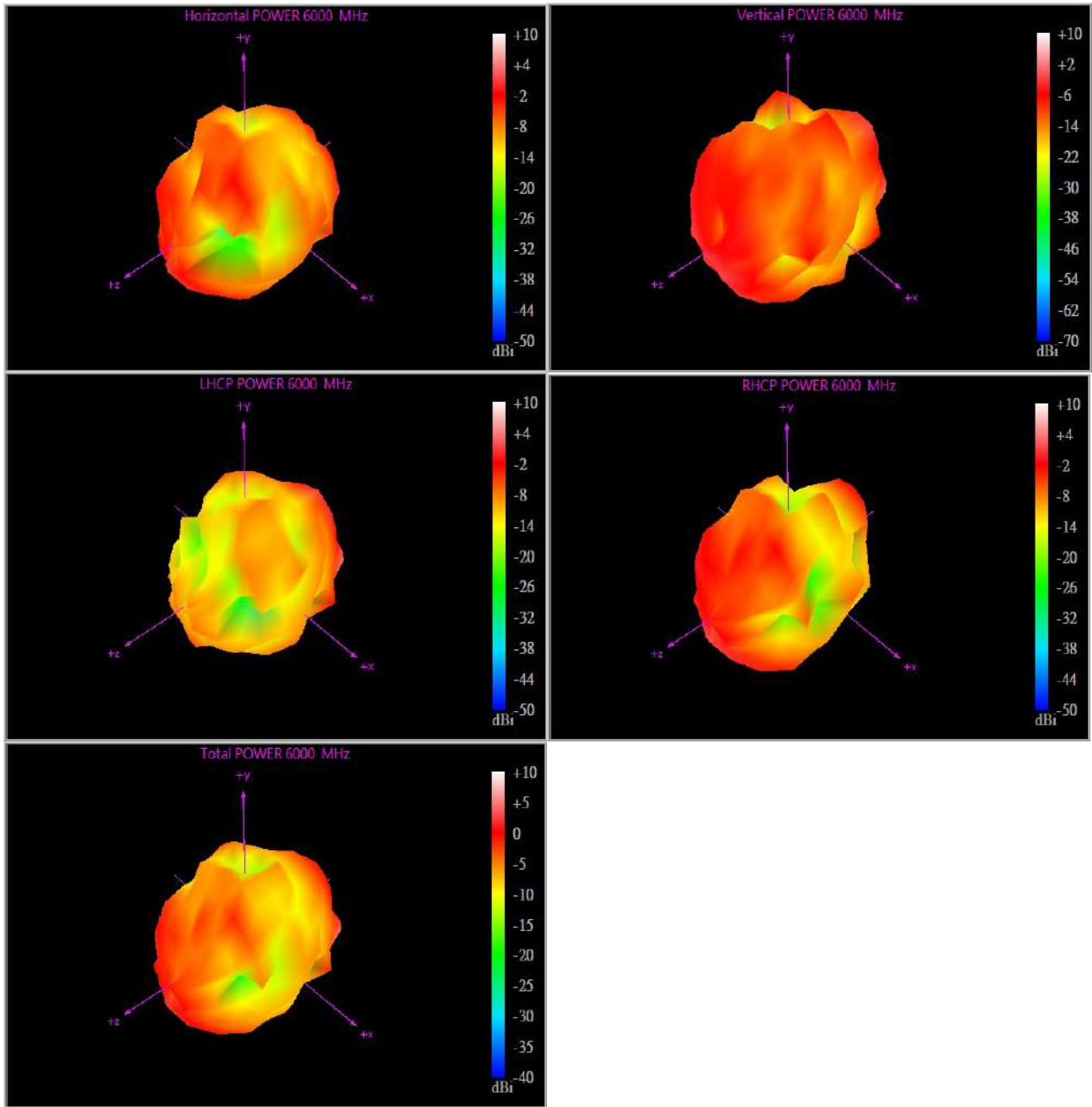




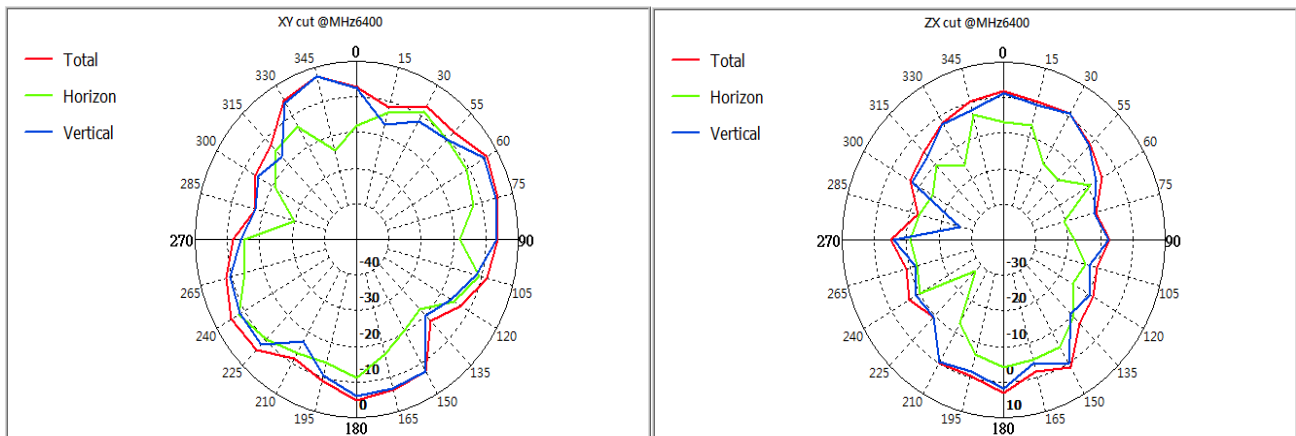


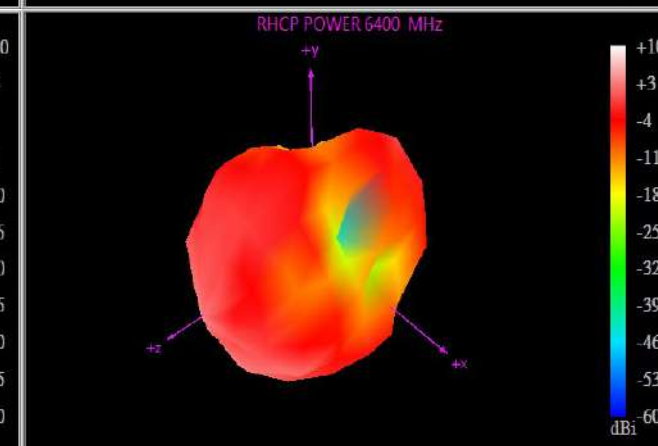
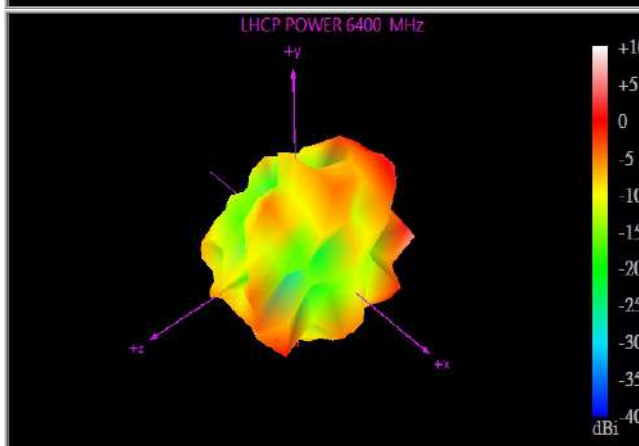
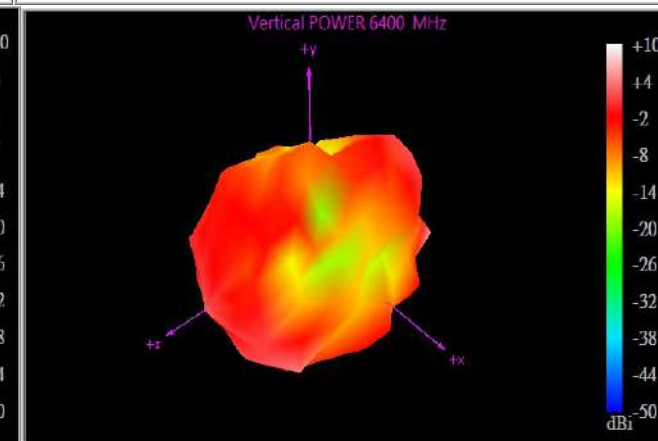
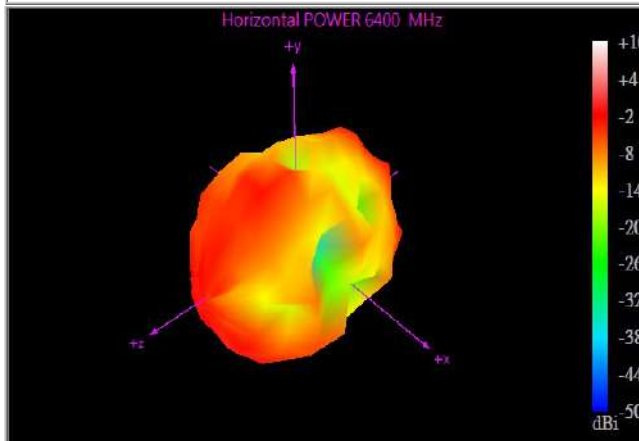
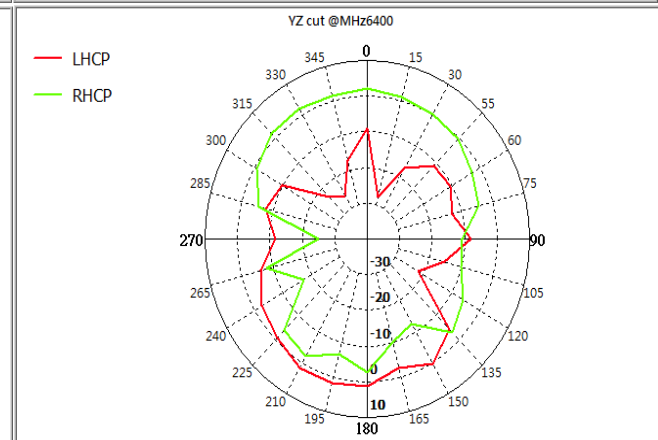
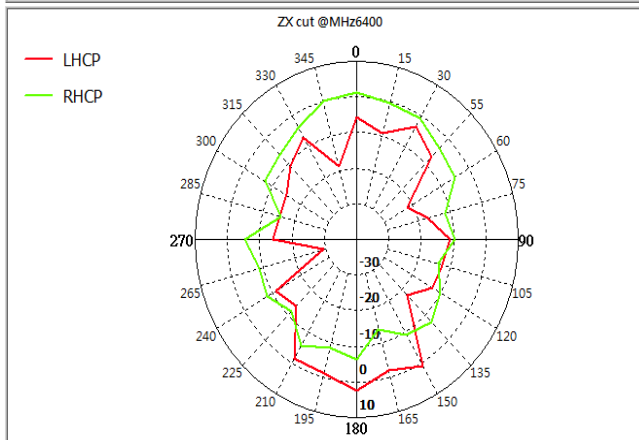
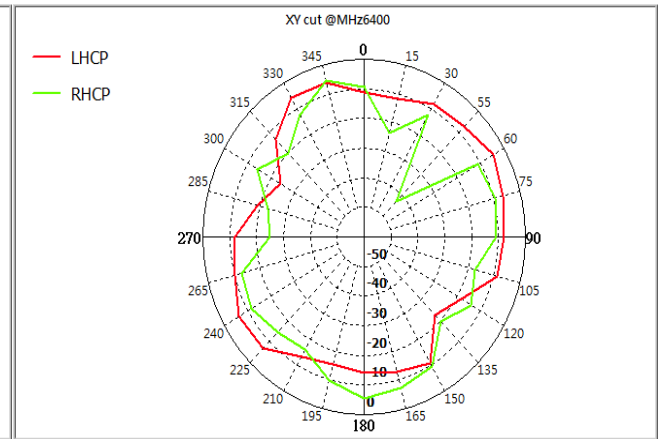
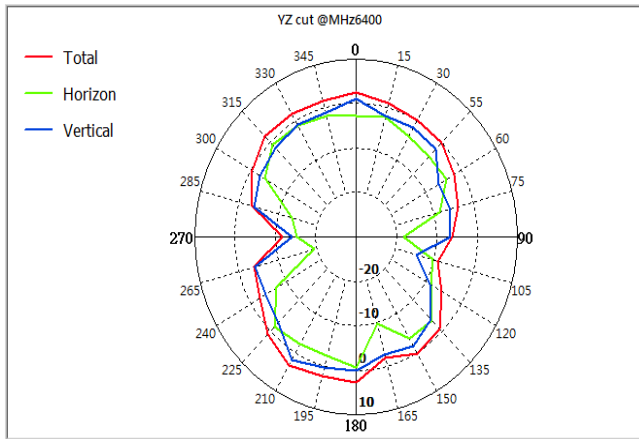
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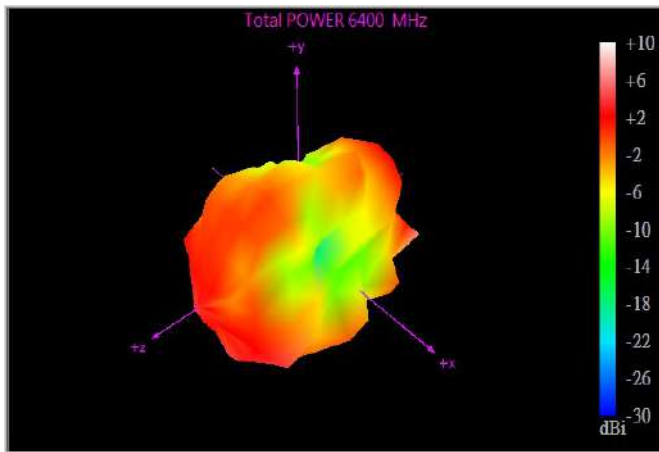




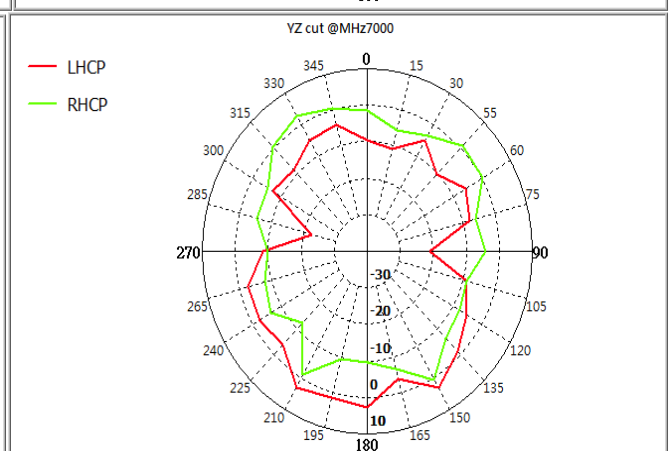
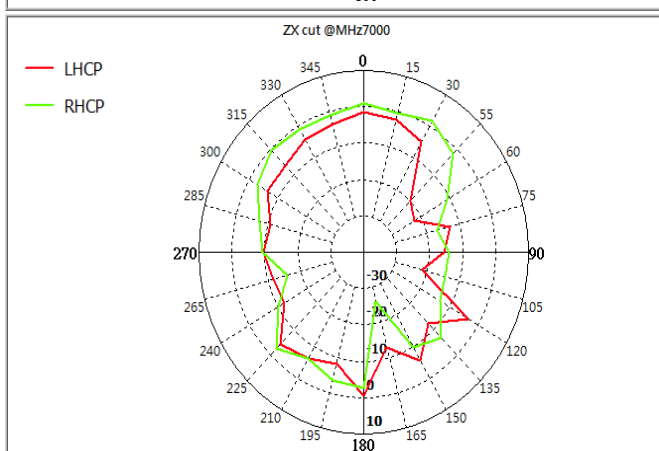
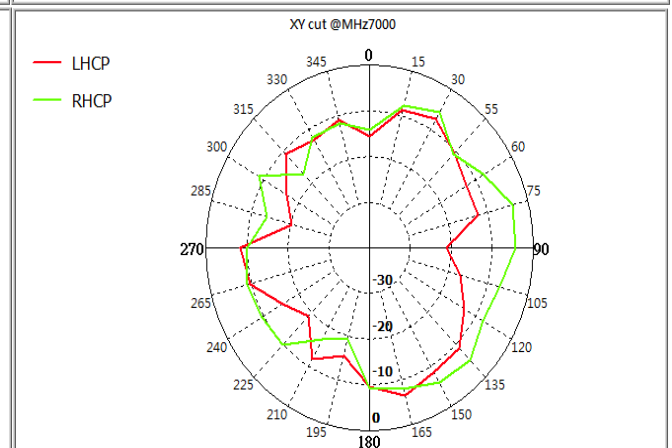
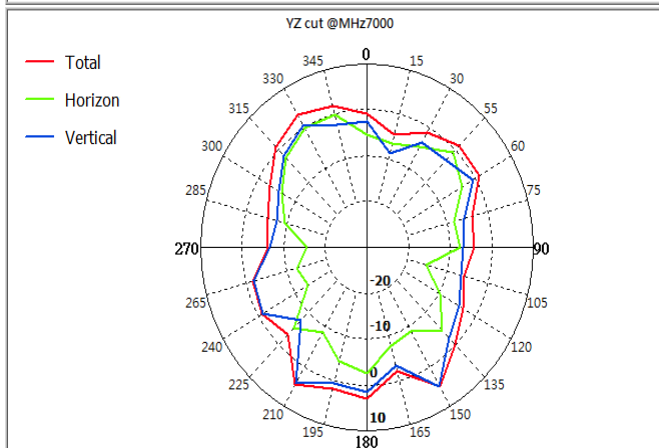
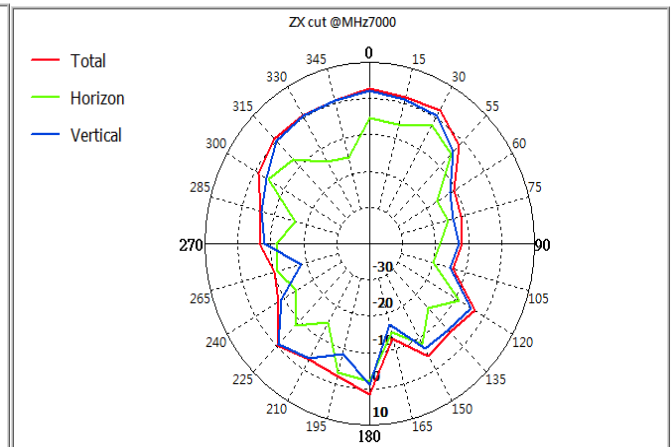
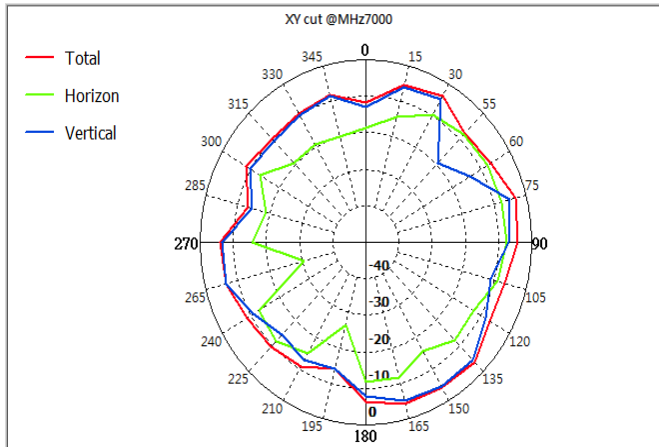
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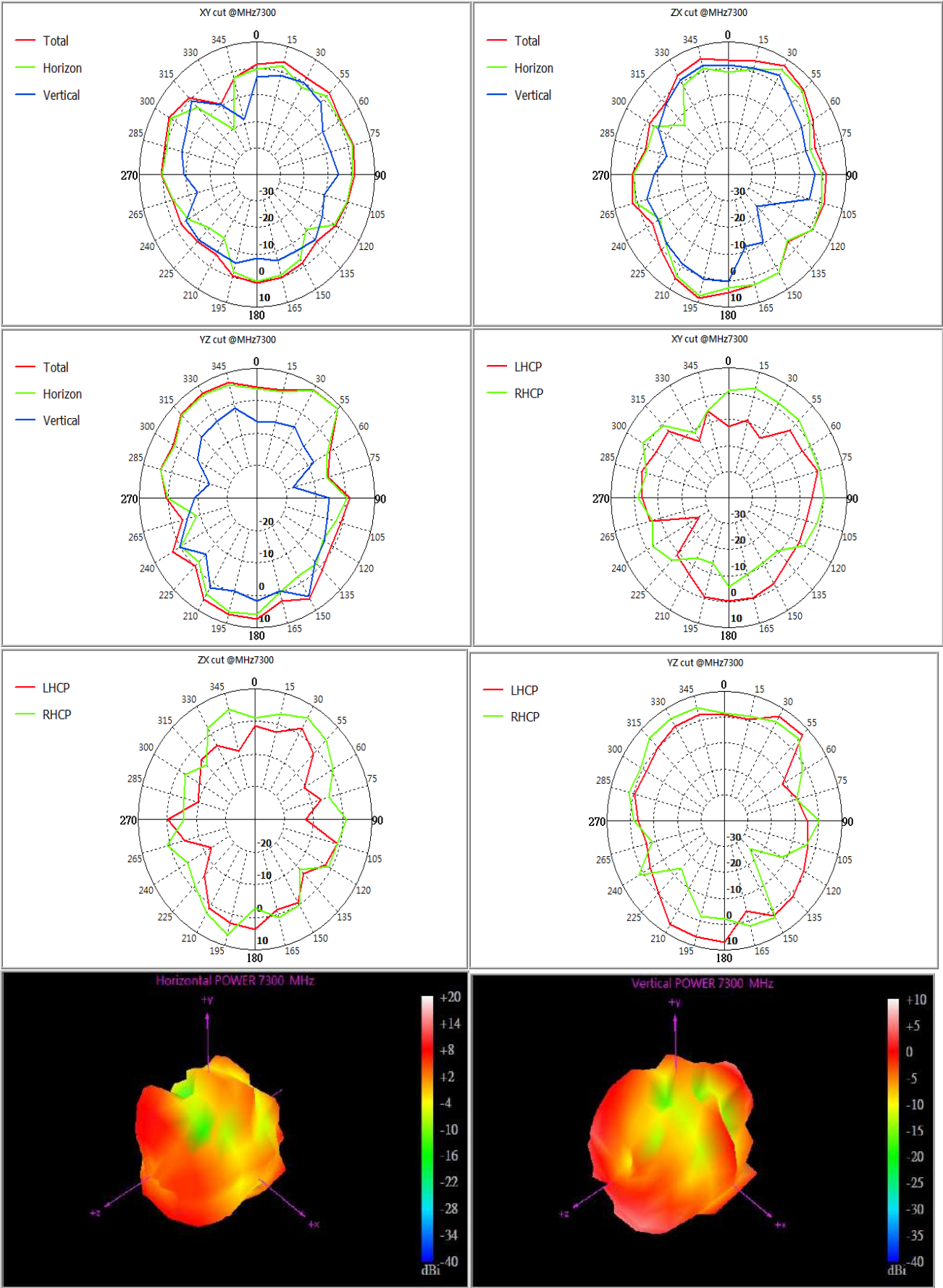


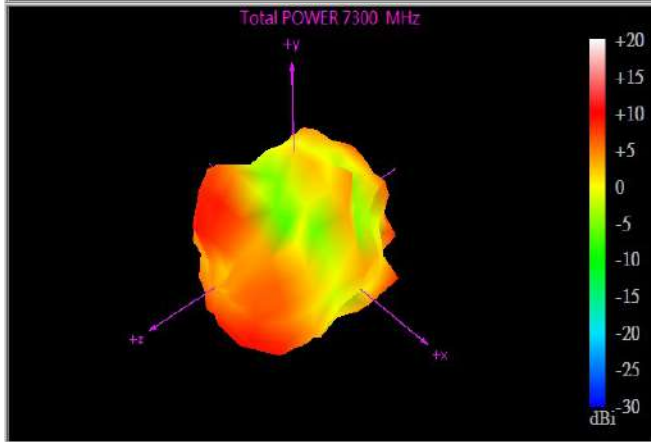
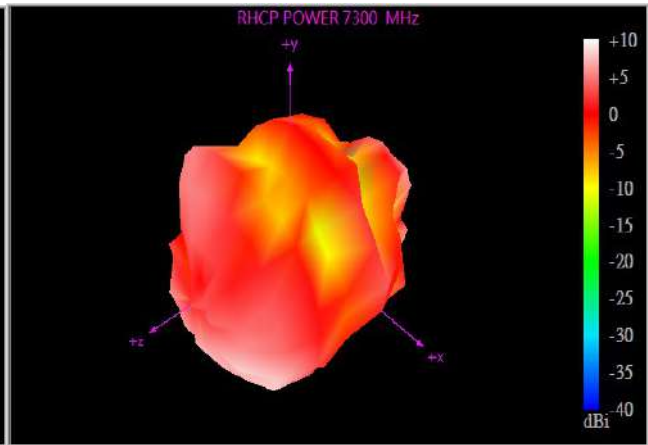
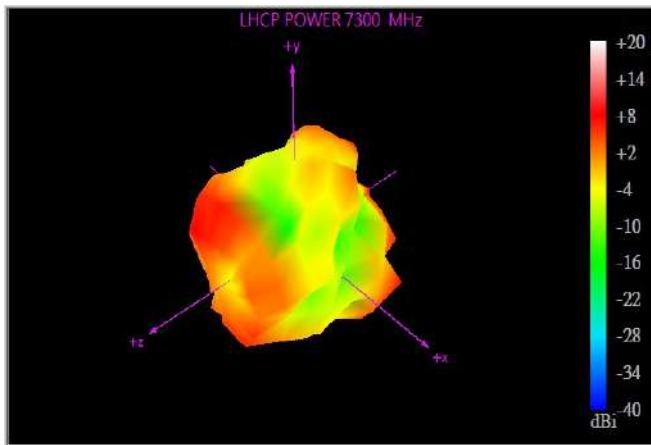


7000MHz:



7300Mhz:





7700Mhz:

