

1.6~2.5Ghz Flexible Cable Antenna

MODEL: TH-1625-SMA(M)



1.. GENERAL DESCRIPTION

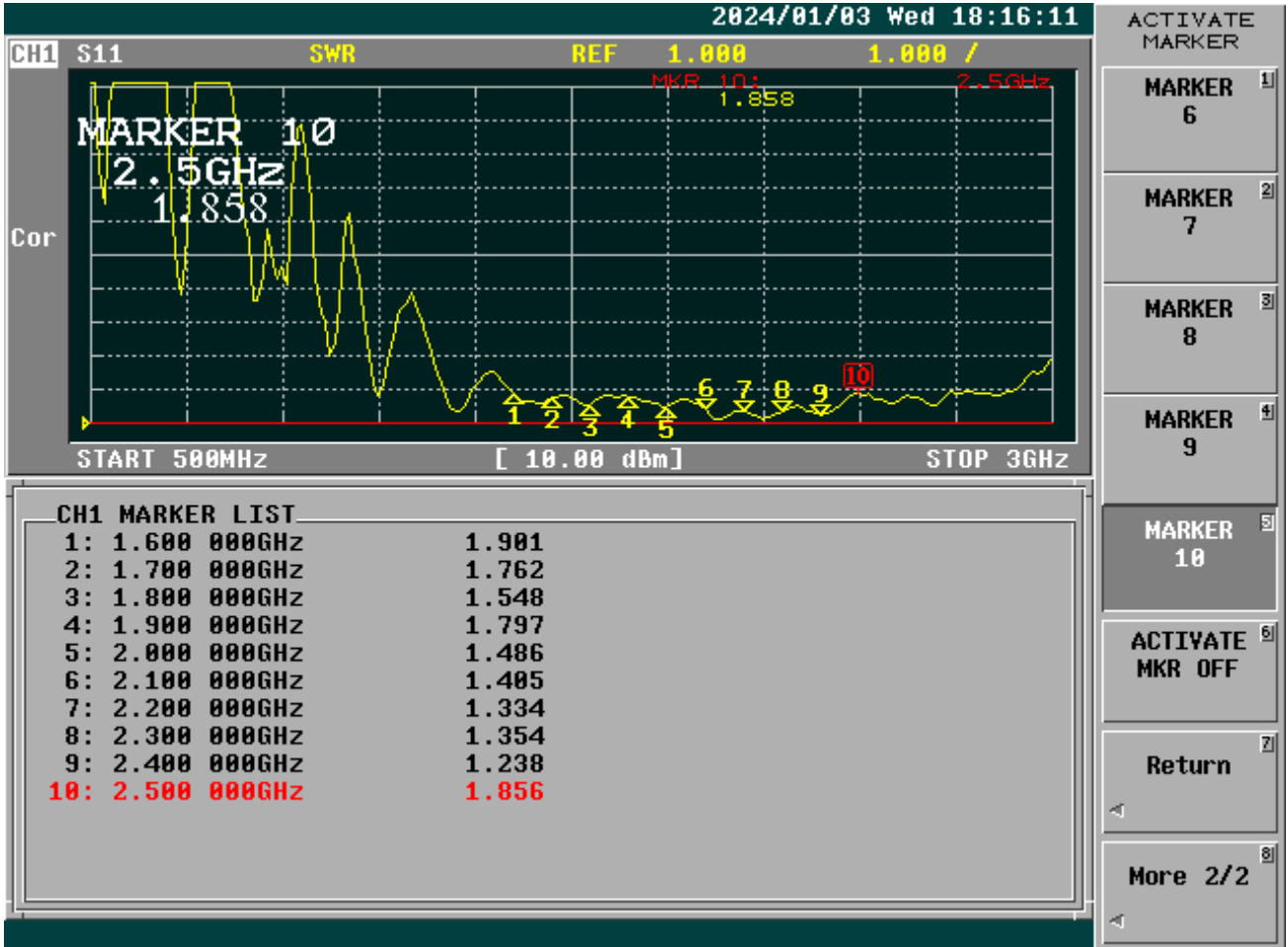
Model No	P/N
TH-1625	TH-1625-SMA(M)

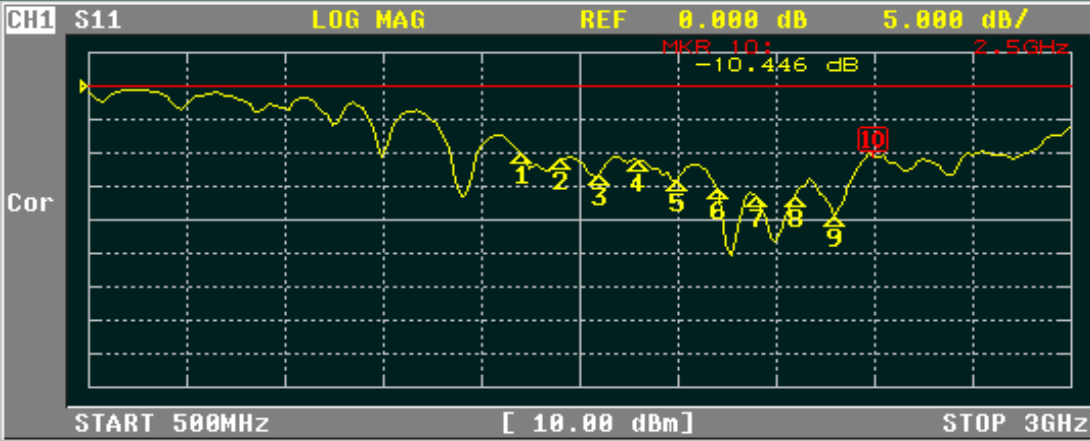
1.1 Electrical Properties

Parameter	Description
Frequency Band	1.6~2.5Ghz
Nominal Impedance	50 ohm
Polarization	Vertical
Admitted Power radiation	1W
V.S.W.R	3.0:1 Max
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 connector (Male) / RG402 Cable
Antenna Dimensions	OD12.5 x 159mm±2
Weight	35g
Antenna Color	Black
Operating Temperature Range	-40°C~+80°C
Storage Temperature Range	-40°C~+80°C
Waterproof	IPX7





CH1 MARKER LIST

1:	1.600 000GHz	-9.954 dB
2:	1.700 000GHz	-11.023 dB
3:	1.800 000GHz	-13.391 dB
4:	1.900 000GHz	-11.111 dB
5:	2.000 000GHz	-14.231 dB
6:	2.100 000GHz	-15.446 dB
7:	2.200 000GHz	-16.575 dB
8:	2.300 000GHz	-16.416 dB
9:	2.400 000GHz	-19.503 dB
10:	2.500 000GHz	-10.446 dB

FORMAT

LOG MAG

PHASE

DELAY

SMITH (R+jX)

SMITH (G+jB)

POLAR

LIN MAG

More 1/2



CH1 MARKER LIST

1:	1.600 000GHz	29.354 Ω	-16.129 Ω	6.167pF
2:	1.700 000GHz	34.186 Ω	18.841 Ω	1.763nH
3:	1.800 000GHz	62.439 Ω	21.400 Ω	1.892nH
4:	1.900 000GHz	88.269 Ω	-7.707 Ω	10.867pF
5:	2.000 000GHz	67.652 Ω	-14.132 Ω	5.630pF
6:	2.100 000GHz	43.376 Ω	-14.161 Ω	5.351pF
7:	2.200 000GHz	43.283 Ω	-12.313 Ω	5.875pF
8:	2.300 000GHz	67.472 Ω	3.778 Ω	261.433pH
9:	2.400 000GHz	56.331 Ω	-9.285 Ω	7.141pF
10:	2.500 000GHz	42.386 Ω	-27.846 Ω	2.286pF

FORMAT

LOG MAG

PHASE

DELAY

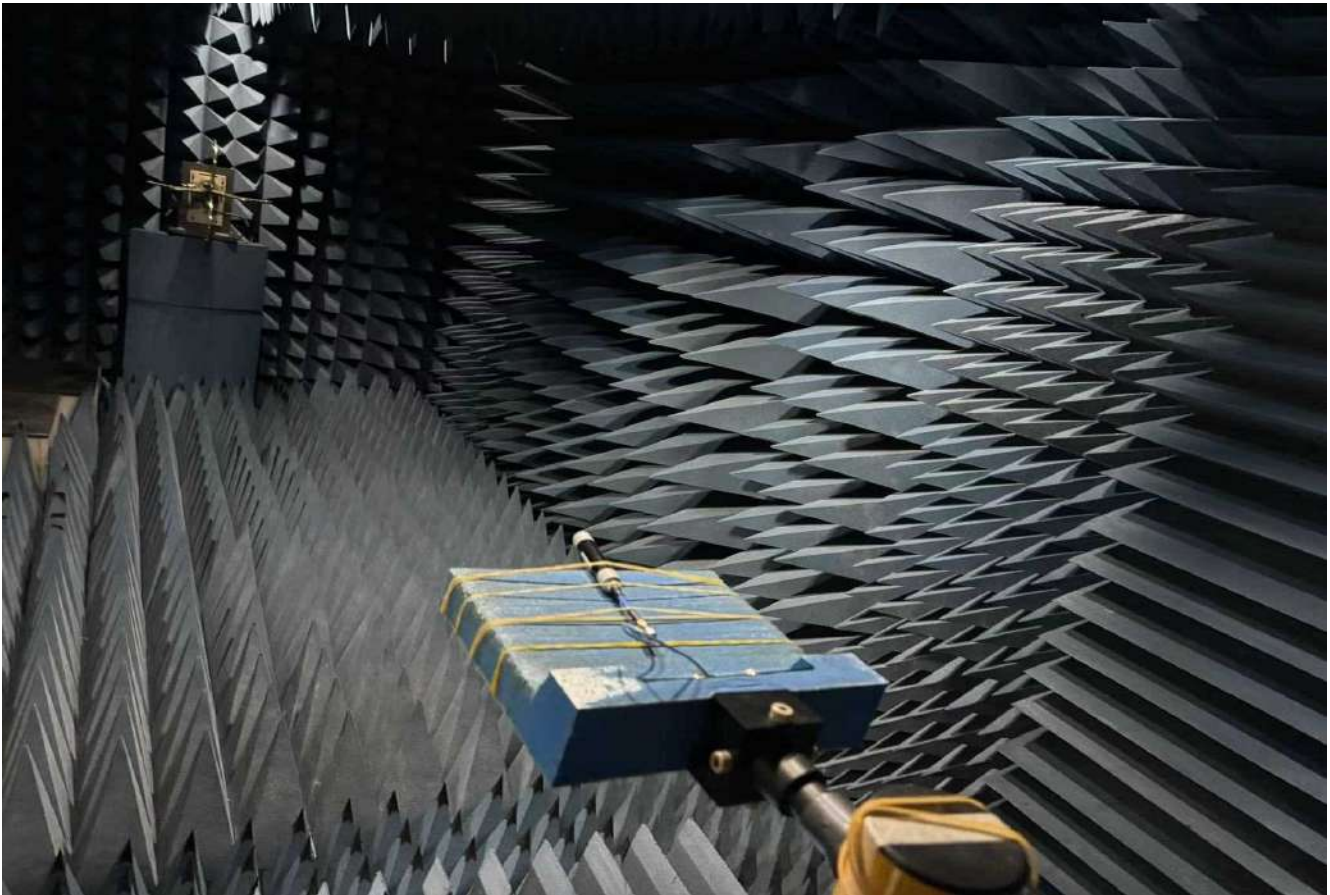
SMITH (R+jX)

SMITH (G+jB)

POLAR

LIN MAG

More 1/2

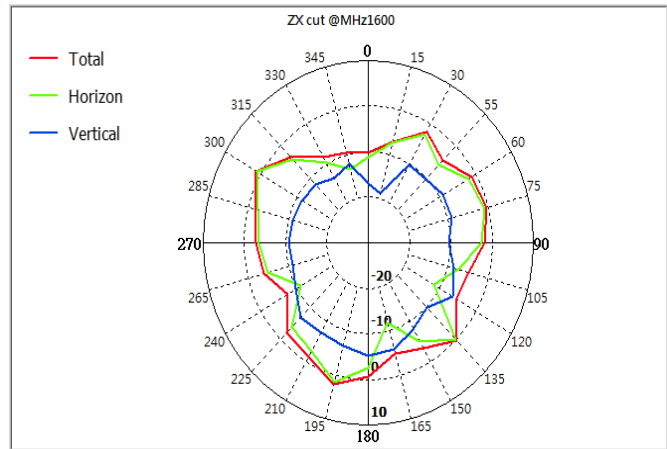
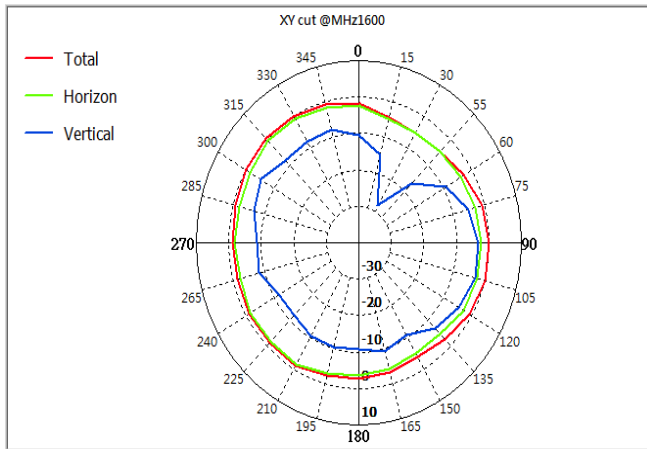


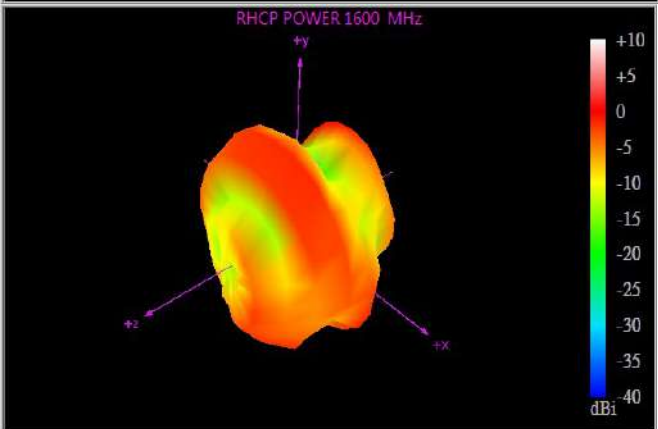
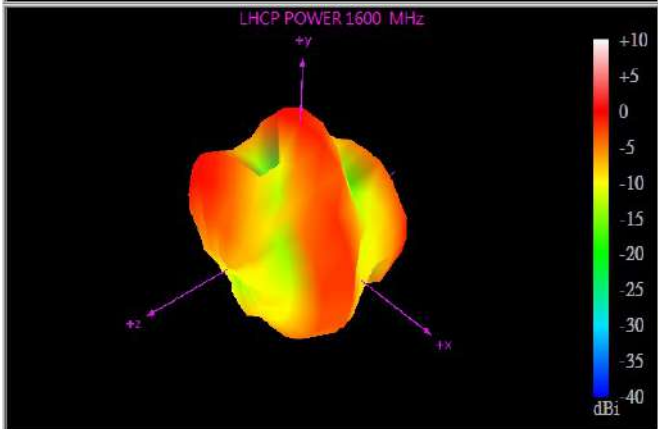
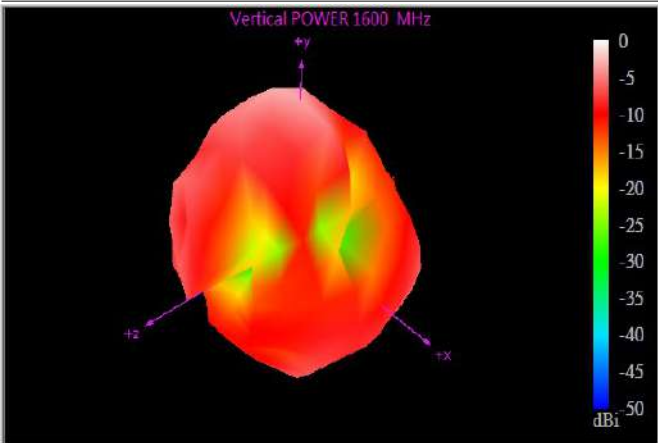
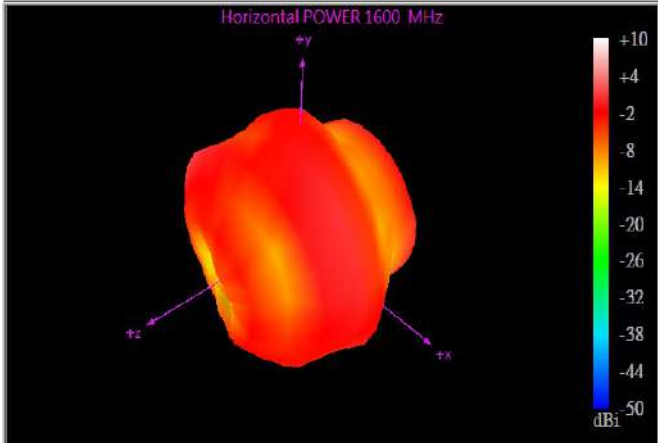
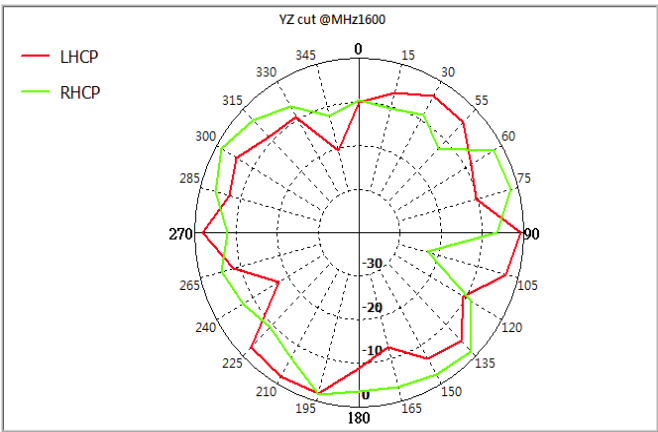
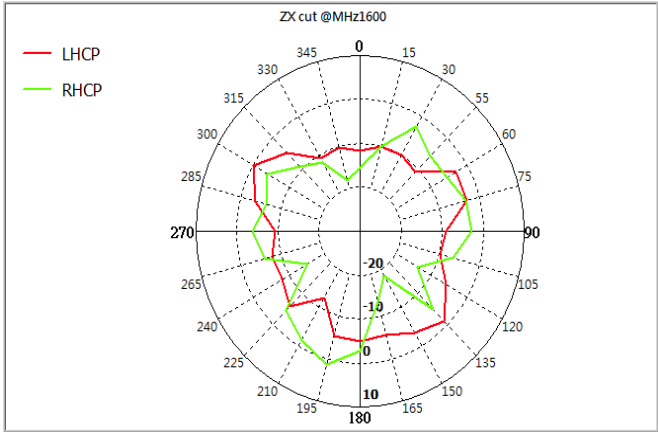
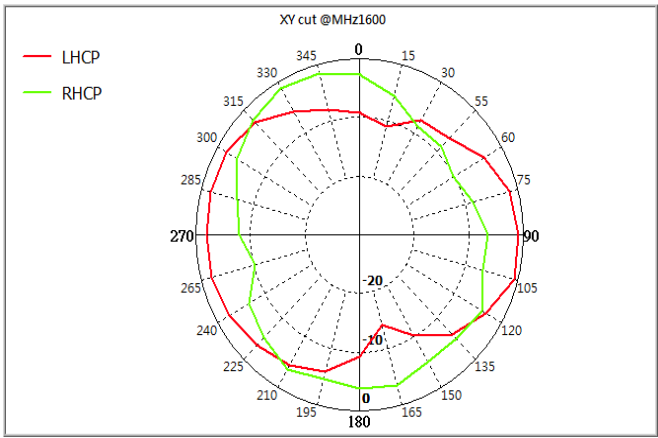
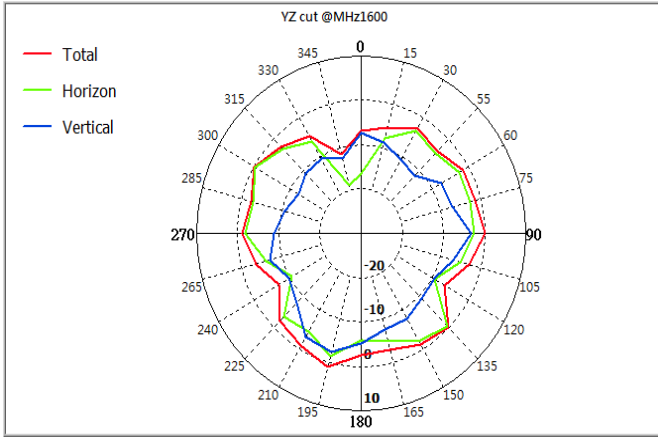
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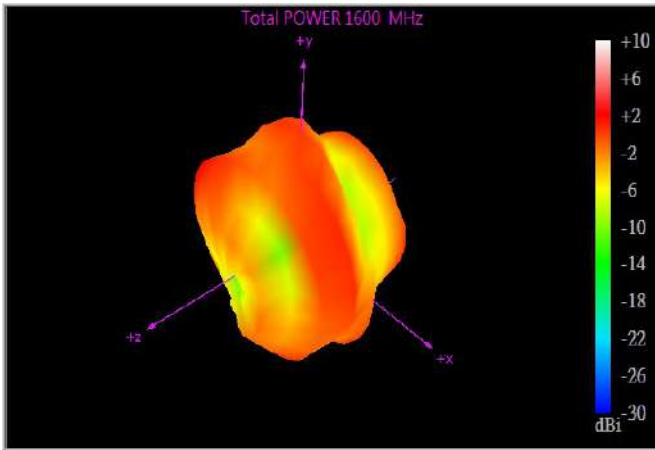
Frequency (MHz)	Upper Hem. PRP (dBm)	Lower HEM. PRP (dBm)	Efficiency (dB)	Efficiency (%)	Gain (dBi)	Tot. Rad.Pwr. (dBm)
1500 MHz	-6.77	-5.65	-3.16	48.29	3.09	-3.16
1510 MHz	-6.01	-5.10	-2.52	56.00	3.78	-2.52
1530 MHz	-5.90	-5.32	-2.59	55.05	3.44	-2.59
1550 MHz	-6.07	-5.85	-2.95	50.71	2.64	-2.95
1570 MHz	-5.52	-5.59	-2.54	55.66	3.19	-2.54
1580 MHz	-5.99	-6.25	-3.11	48.90	2.16	-3.11
1590 MHz	-5.08	-5.46	-2.25	59.53	3.13	-2.25
1600 MHz	-5.17	-5.90	-2.51	56.16	2.72	-2.51
1605 MHz	-5.28	-5.95	-2.59	55.10	2.24	-2.59
1610 MHz	-5.23	-5.89	-2.54	55.75	2.25	-2.54
1710 MHz	-5.23	-5.94	-2.56	55.46	0.84	-2.56
1730 MHz	-5.47	-5.35	-2.40	57.59	1.14	-2.40
1750 MHz	-6.27	-5.45	-2.83	52.14	0.73	-2.83
1770 MHz	-6.24	-4.98	-2.56	55.50	1.14	-2.56
1785 MHz	-6.09	-4.33	-2.11	61.55	1.91	-2.11
1805 MHz	-6.87	-4.77	-2.68	53.91	1.50	-2.68
1840 MHz	-6.61	-4.05	-2.13	61.22	2.94	-2.13
1850 MHz	-6.27	-3.57	-1.70	67.54	3.68	-1.70
1880 MHz	-6.88	-4.24	-2.35	58.21	3.23	-2.35
1910 MHz	-6.35	-4.07	-2.05	62.40	3.73	-2.05

1920 MHz	-6.18	-4.00	-1.95	63.87	3.62	-1.95
1930 MHz	-6.42	-4.41	-2.29	59.05	3.20	-2.29
1950 MHz	-6.01	-4.28	-2.05	62.38	3.42	-2.05
1960 MHz	-5.82	-4.44	-2.06	62.16	3.28	-2.06
1980 MHz	-5.63	-4.58	-2.06	62.21	3.86	-2.06
1995 MHz	-5.71	-4.84	-2.24	59.66	2.93	-2.24
2110 MHz	-4.52	-3.78	-1.12	77.19	3.17	-1.12
2140 MHz	-5.11	-4.36	-1.71	67.48	2.37	-1.71
2170 MHz	-5.50	-5.09	-2.28	59.13	1.51	-2.28
2300 MHz	-6.61	-4.37	-2.34	58.37	2.76	-2.34
2325 MHz	-6.55	-3.50	-1.75	66.82	4.00	-1.75
2350 MHz	-7.02	-3.63	-1.99	63.24	4.00	-1.99
2375 MHz	-7.09	-3.60	-2.00	63.15	3.73	-2.00
2400 MHz	-6.96	-3.73	-2.04	62.48	3.40	-2.04
2450 MHz	-6.23	-3.41	-1.59	69.39	3.98	-1.59
2500 MHz	-6.12	-3.47	-1.59	69.38	4.04	-1.59
2515 MHz	-6.05	-3.14	-1.34	73.38	4.38	-1.34
2535 MHz	-6.63	-3.71	-1.92	64.32	3.29	-1.92
2555 MHz	-6.73	-3.69	-1.94	63.98	3.83	-1.94
2570 MHz	-6.79	-3.52	-1.85	65.37	3.97	-1.85
2595 MHz	-7.02	-3.46	-1.87	64.98	3.62	-1.87
2620 MHz	-7.59	-3.81	-2.29	59.04	3.26	-2.29
2630 MHz	-7.66	-3.74	-2.26	59.43	3.00	-2.26
2655 MHz	-7.52	-3.32	-1.92	64.30	3.80	-1.92
2680 MHz	-7.39	-3.07	-1.71	67.51	3.92	-1.71
2690 MHz	-7.67	-3.33	-1.97	63.59	3.68	-1.97
3000 MHz	-6.27	-2.87	-1.23	75.29	4.40	-1.23

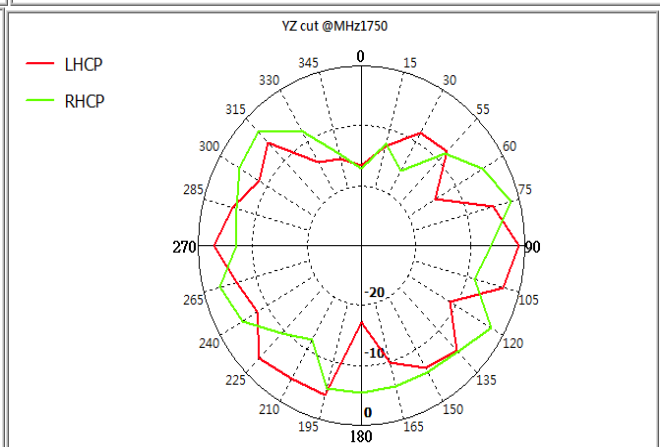
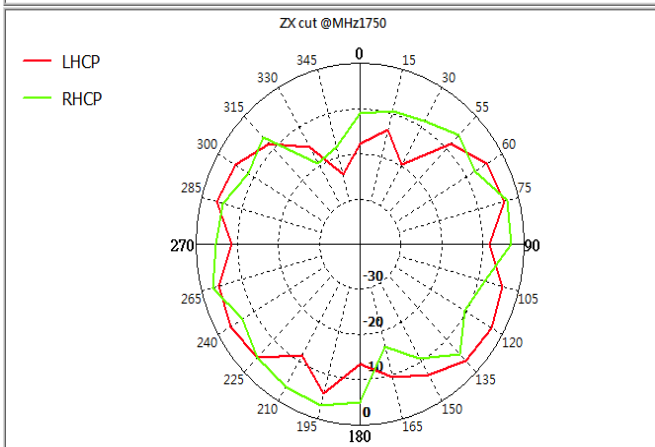
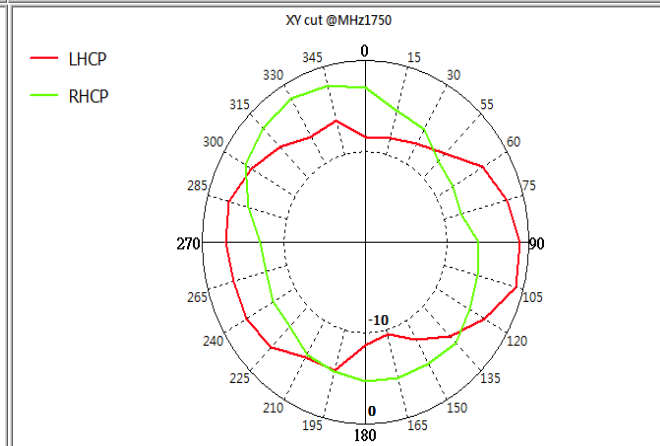
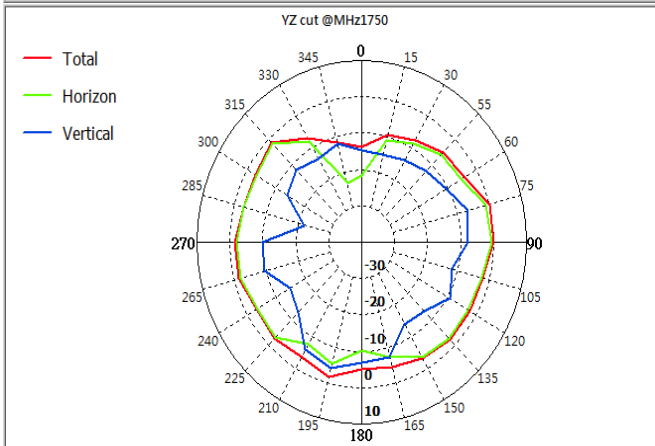
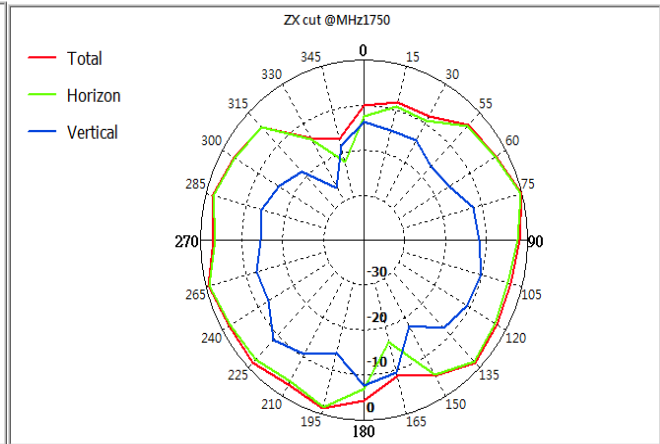
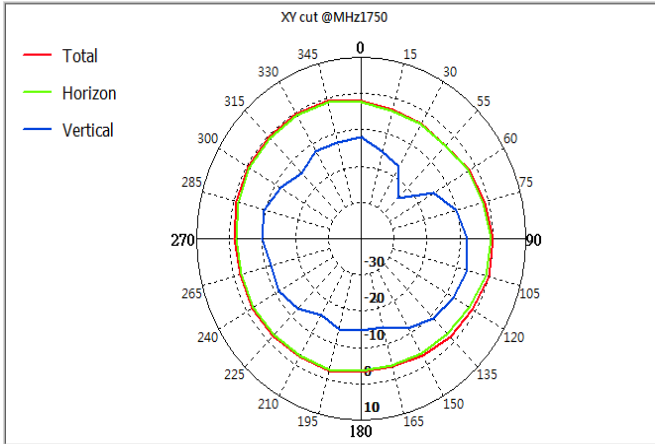
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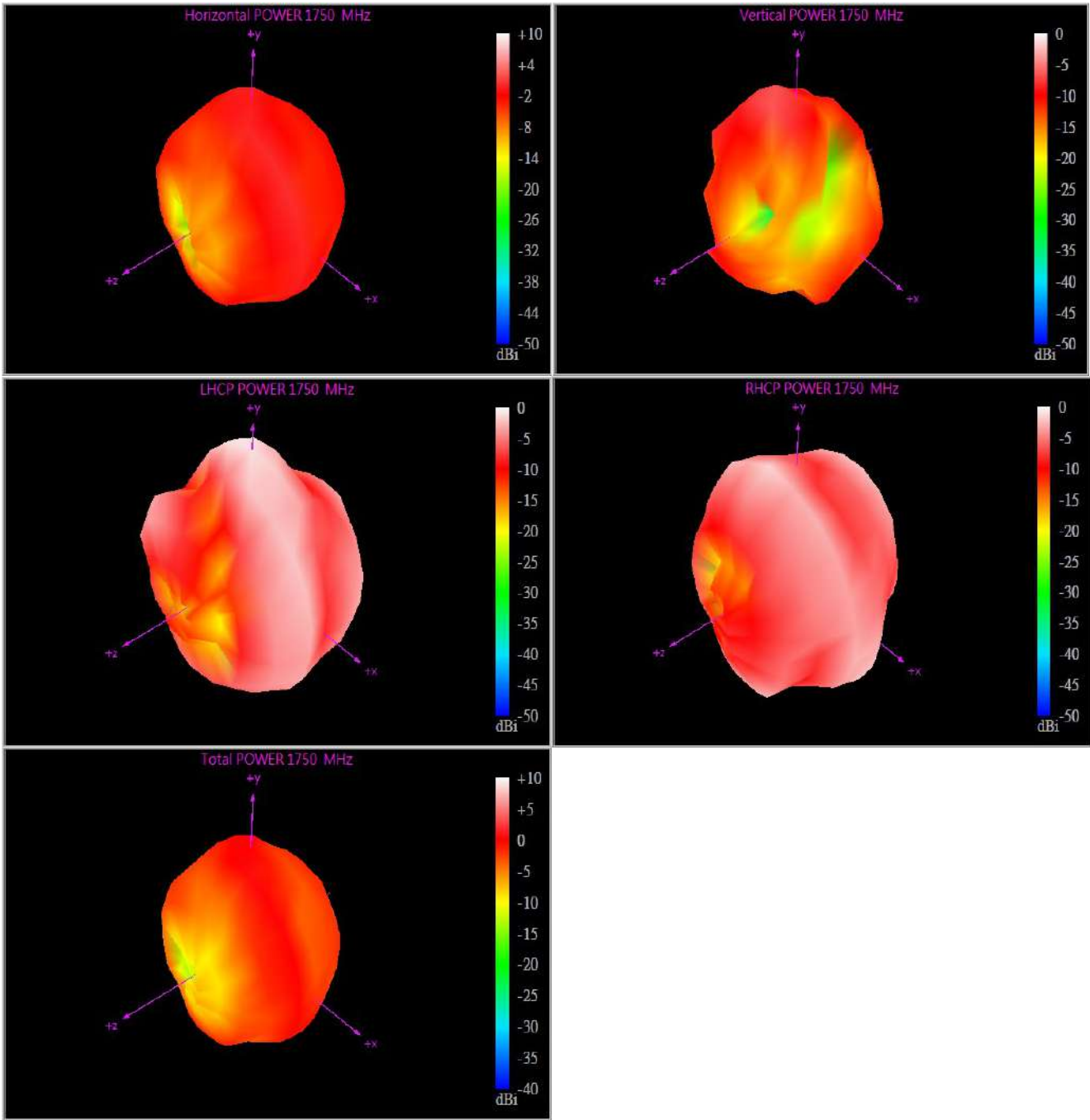




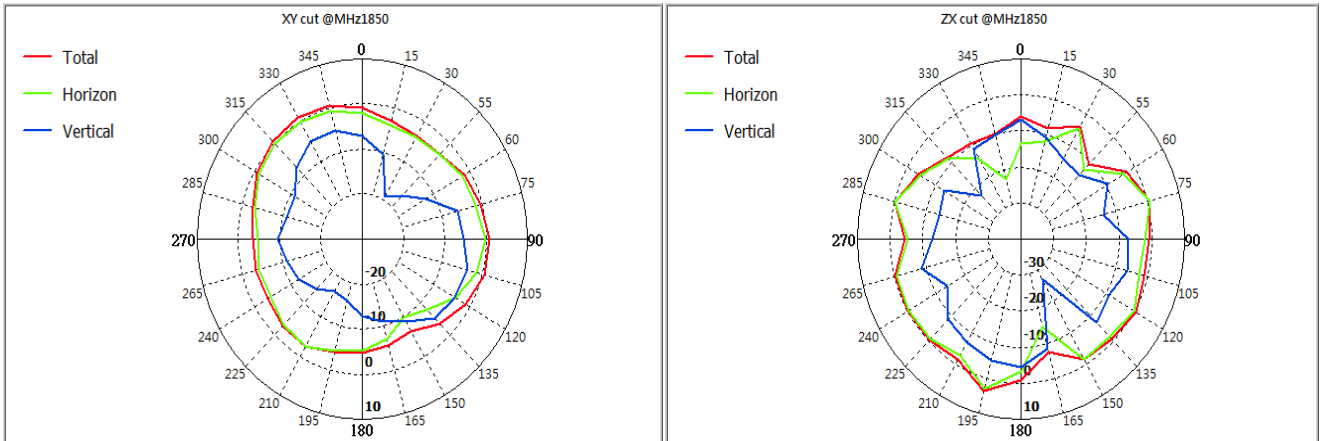


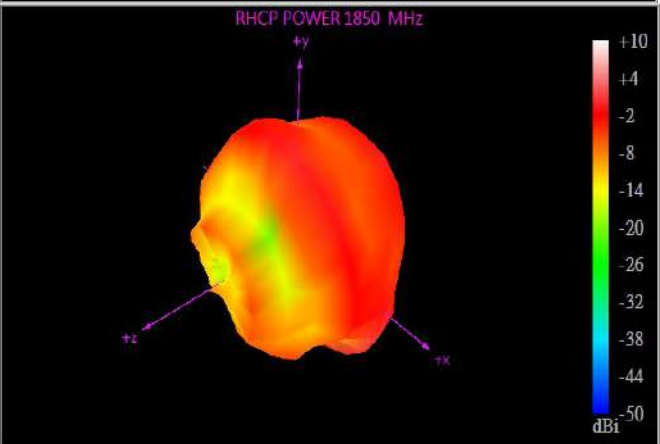
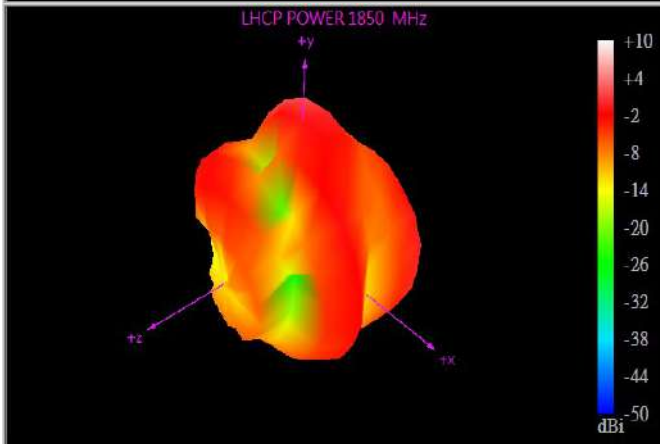
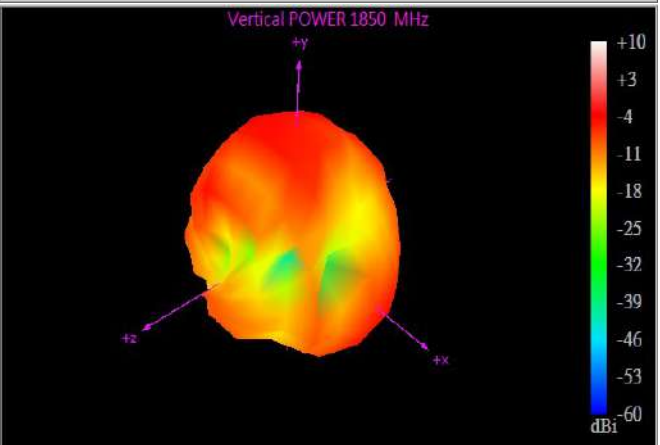
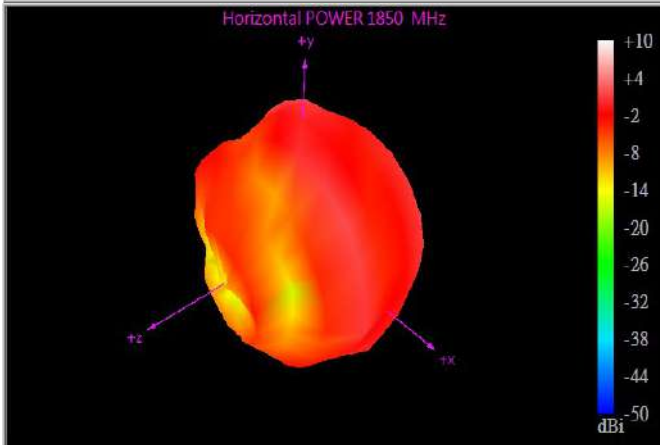
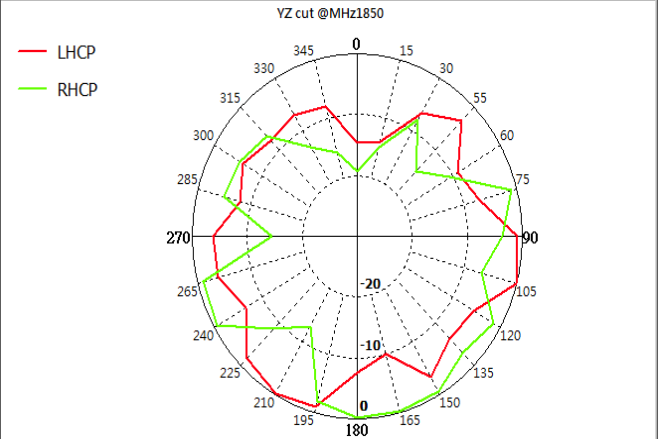
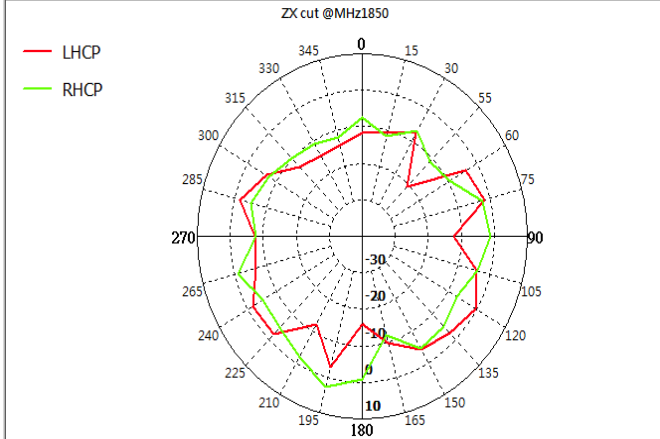
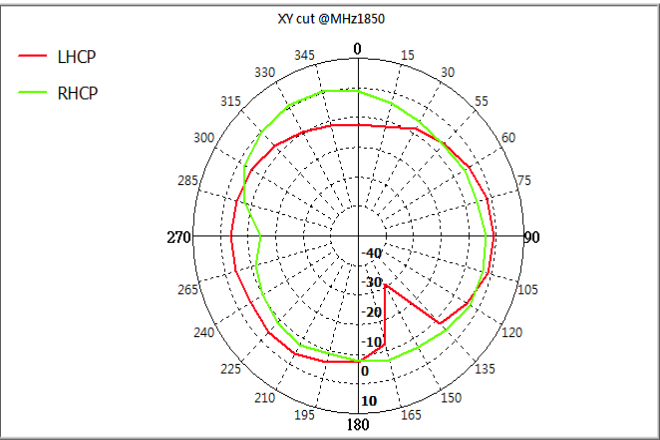
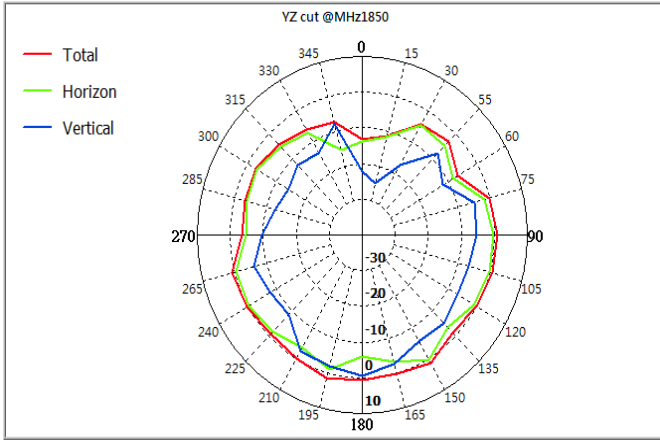
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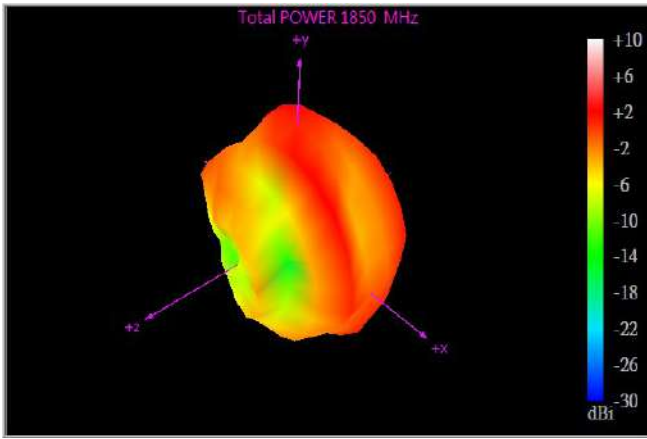




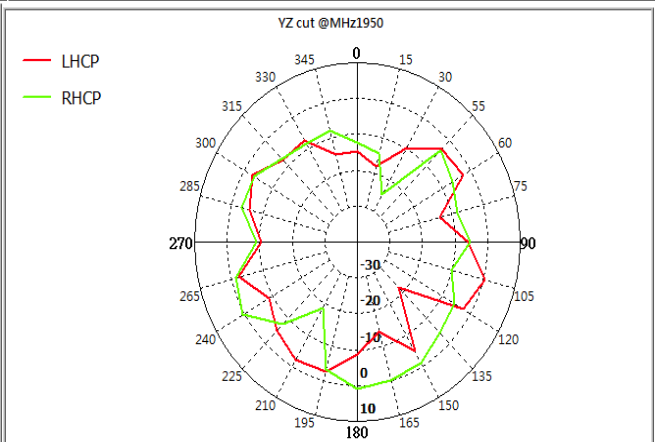
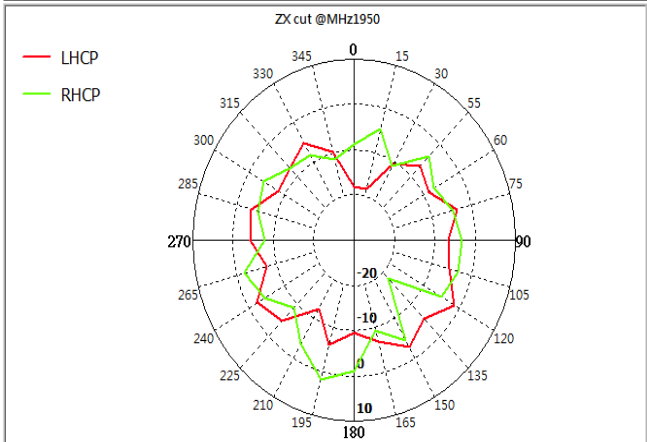
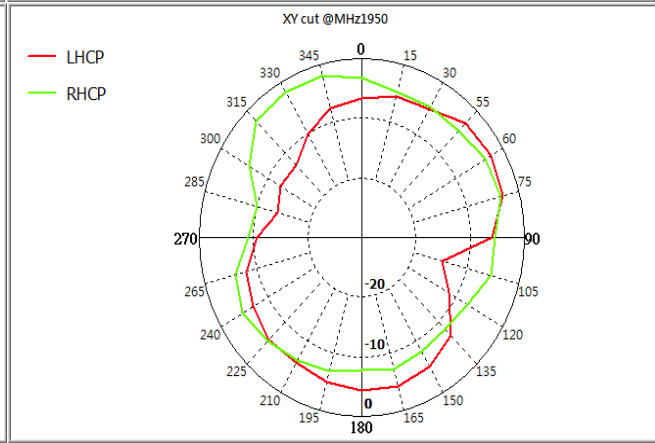
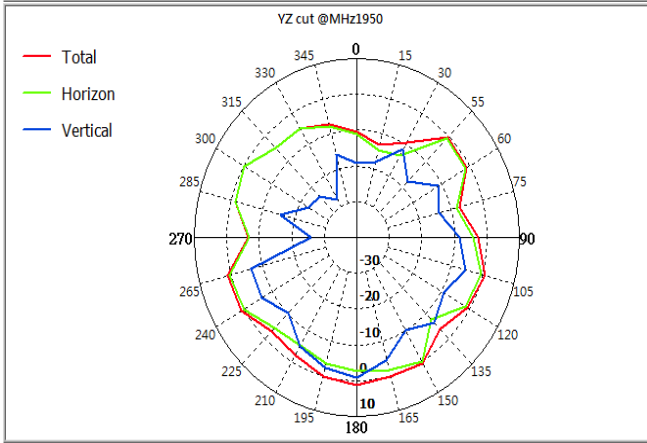
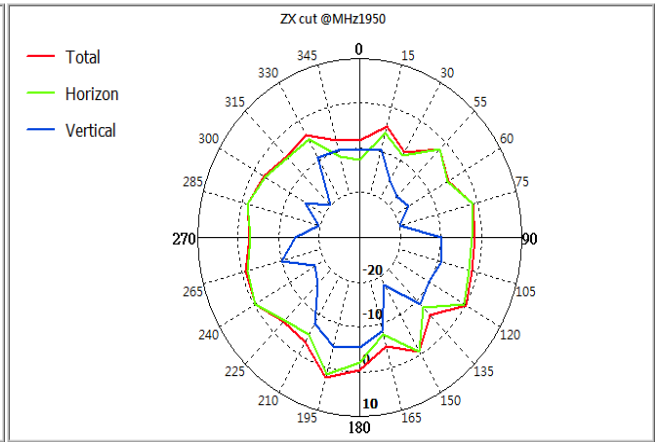
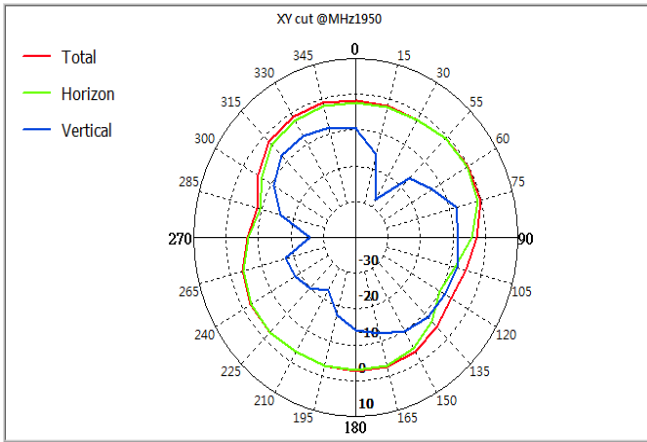
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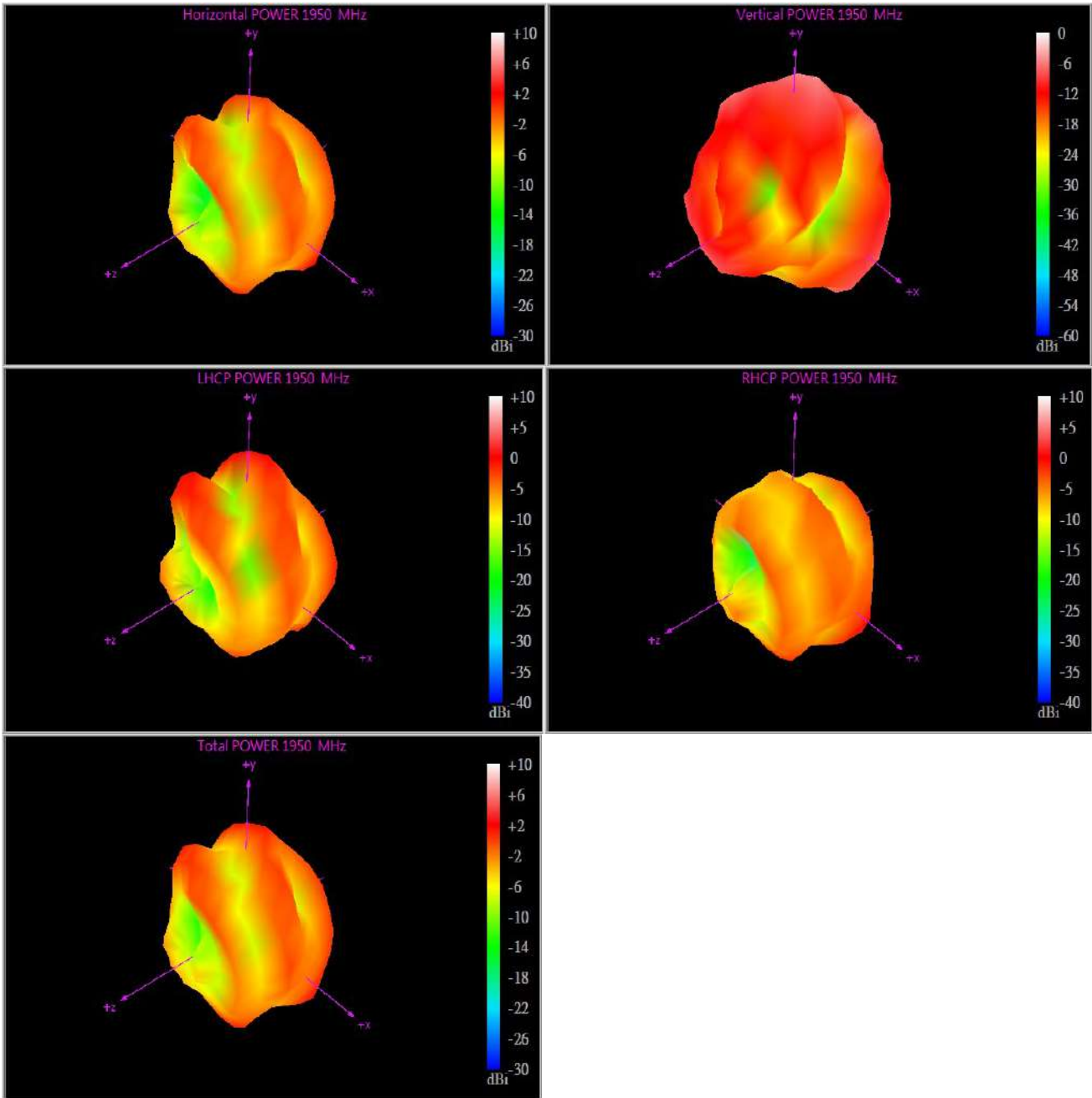




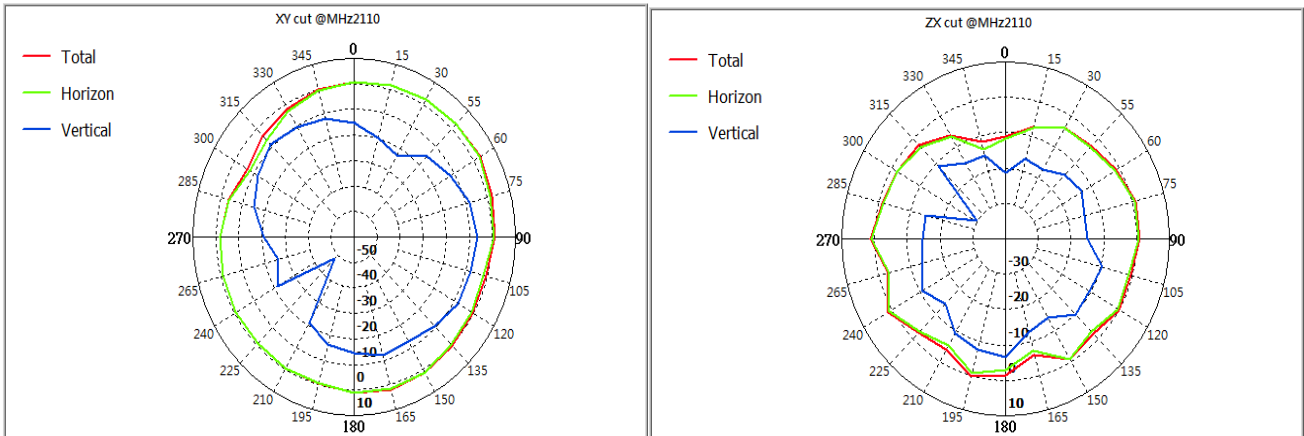


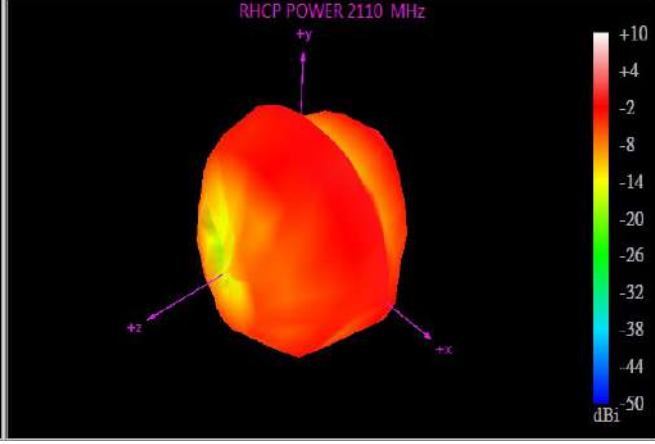
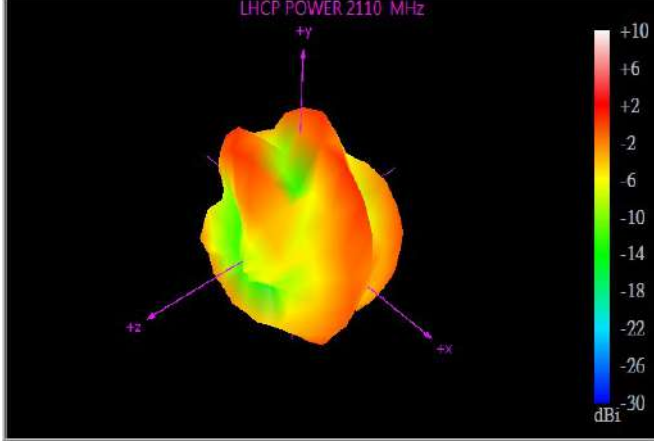
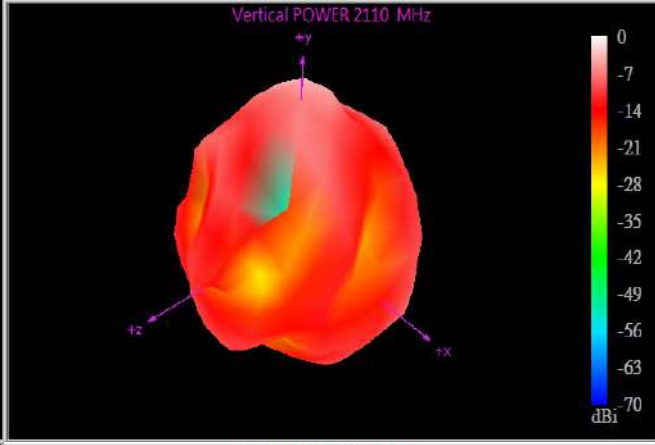
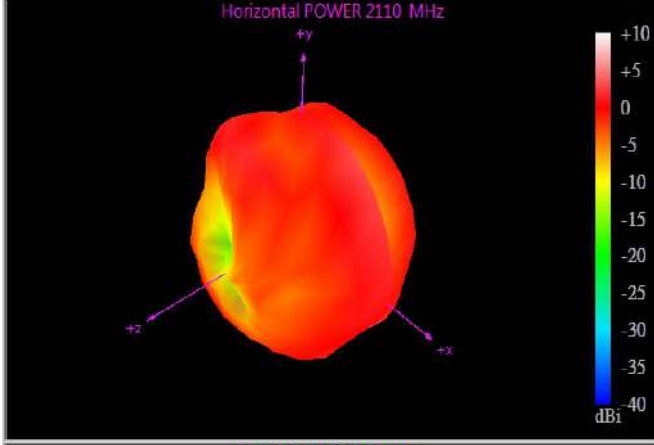
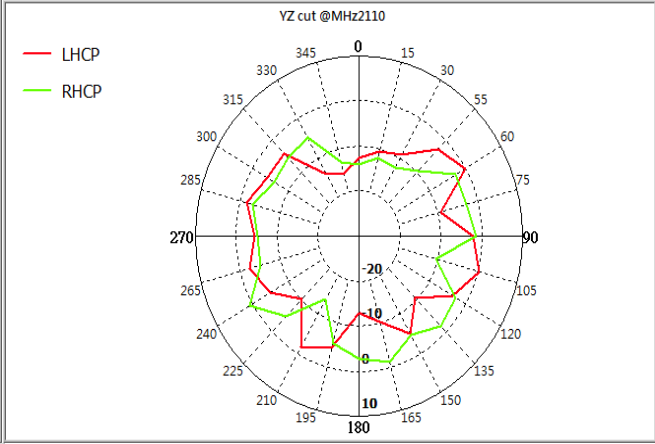
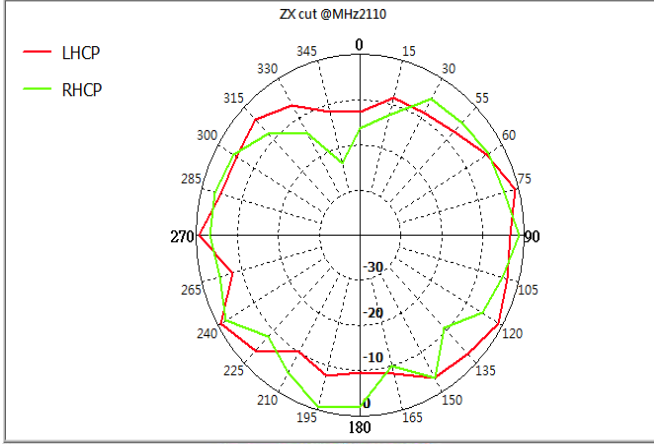
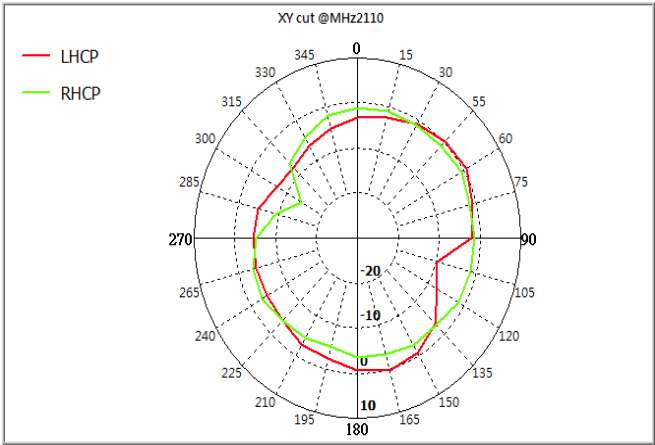
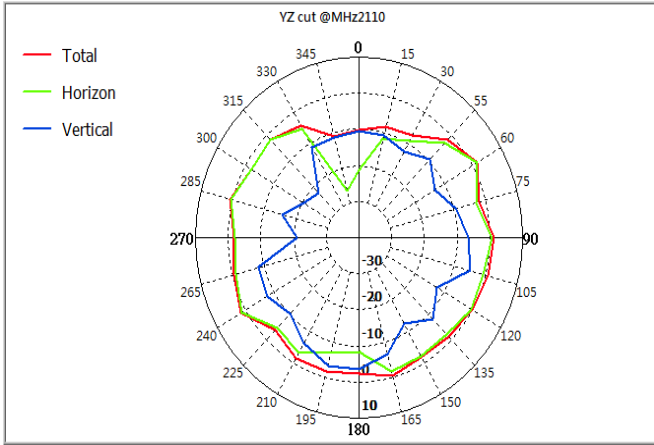
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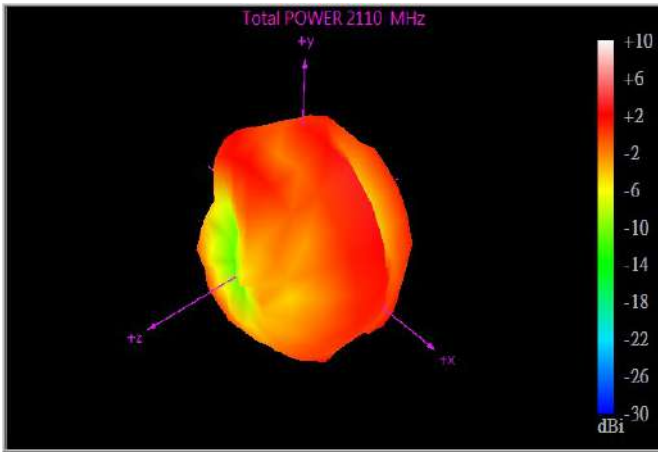




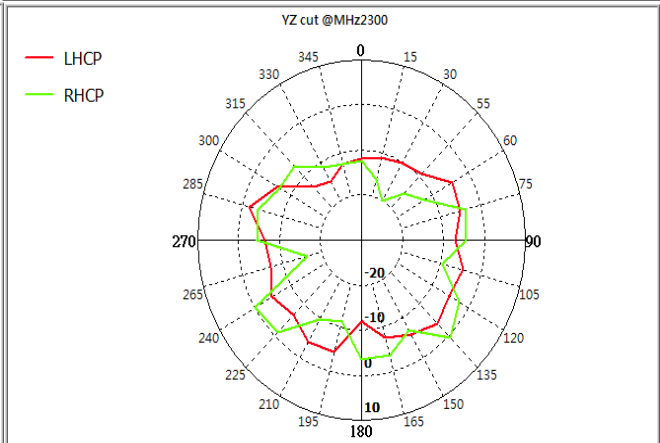
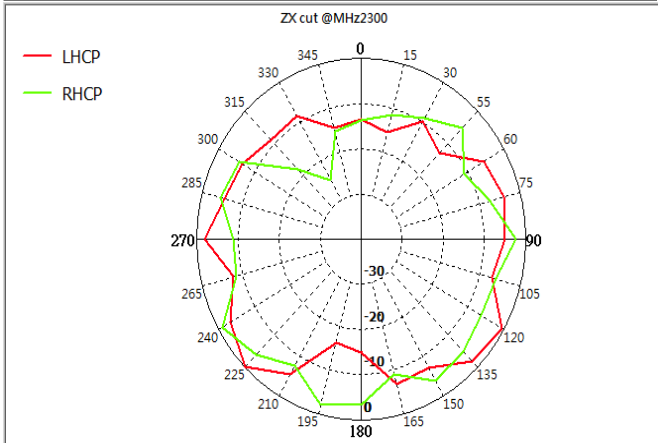
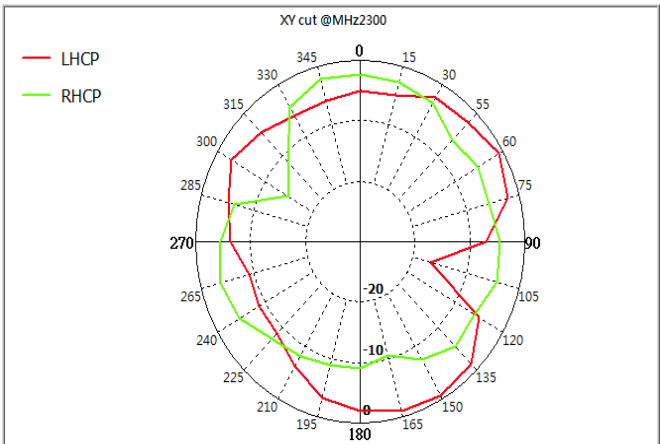
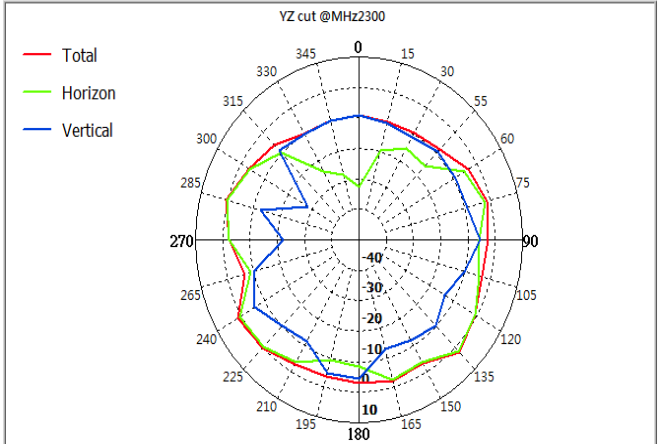
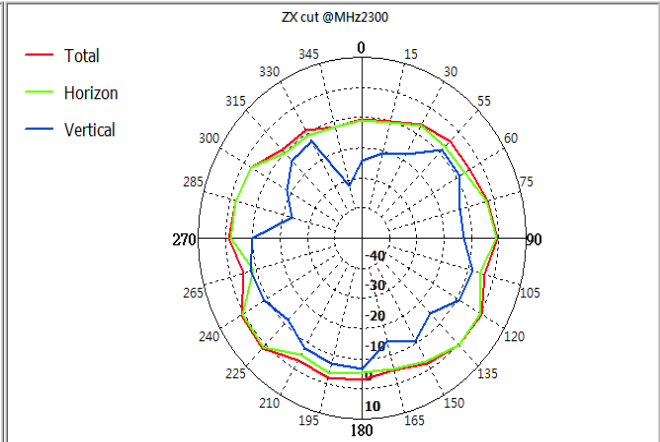
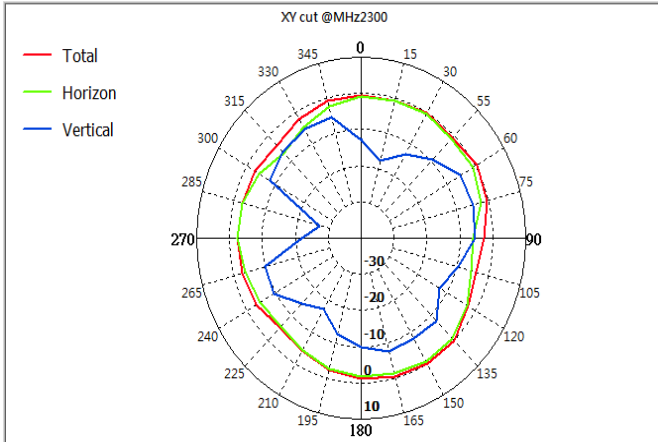
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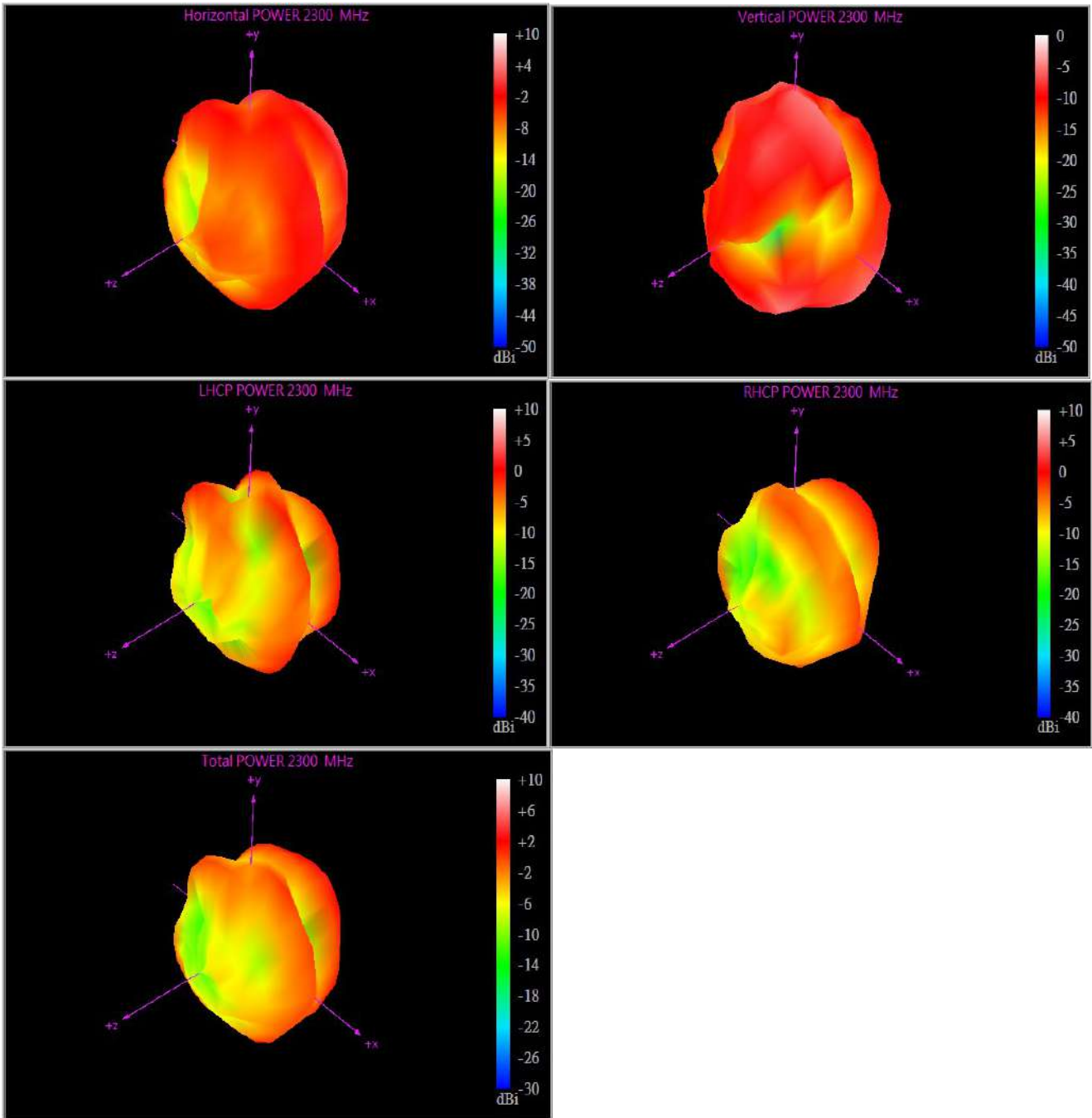




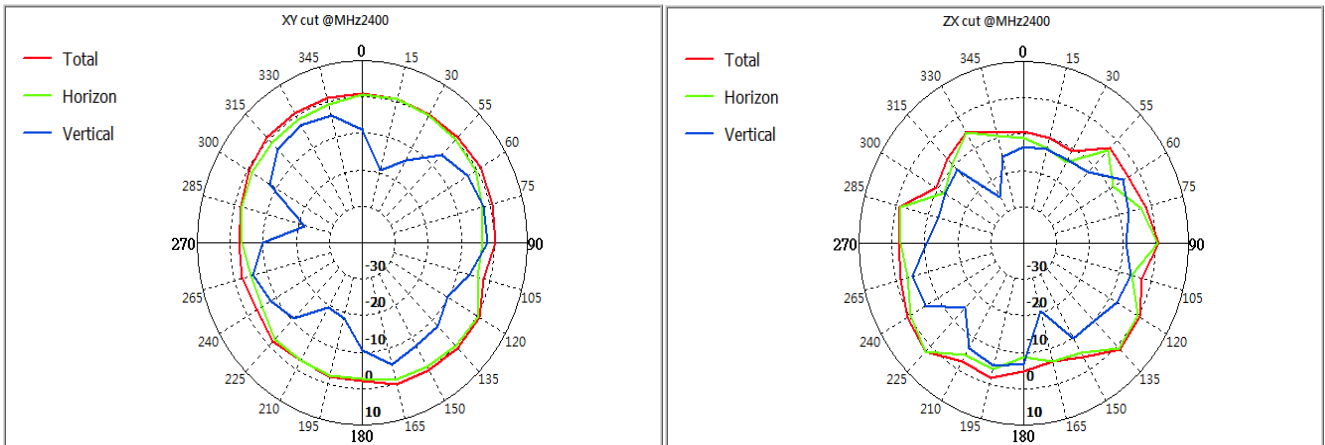


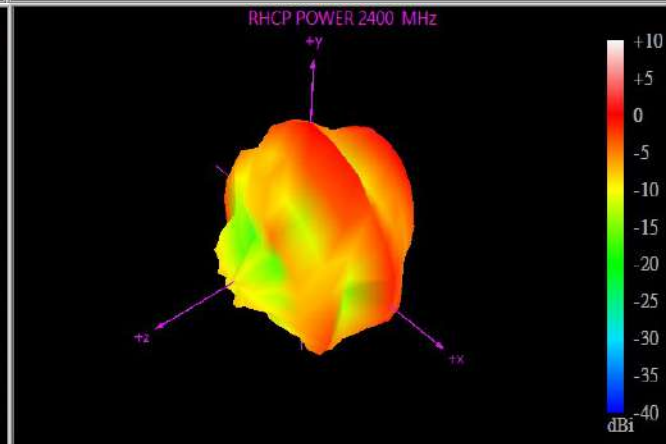
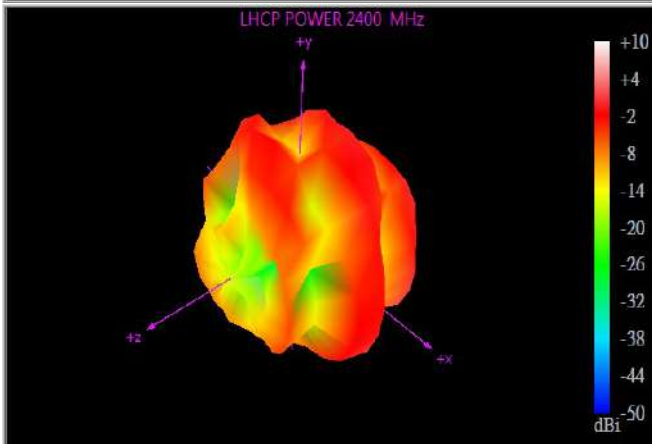
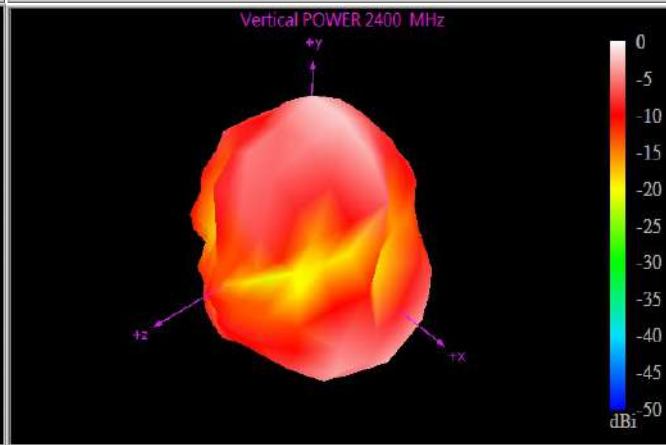
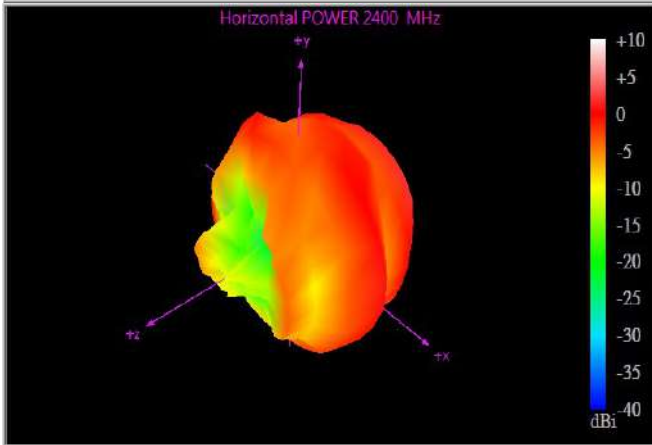
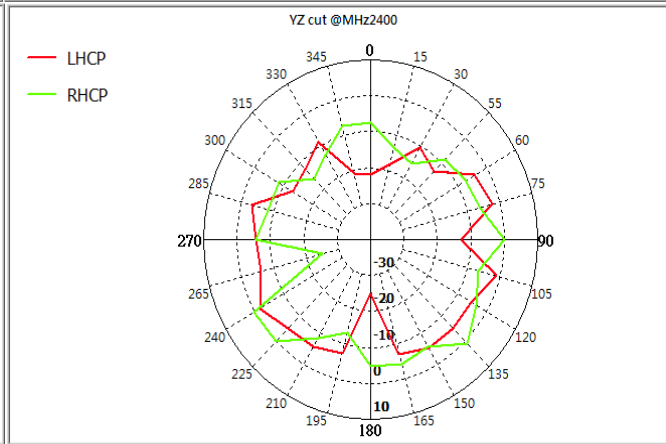
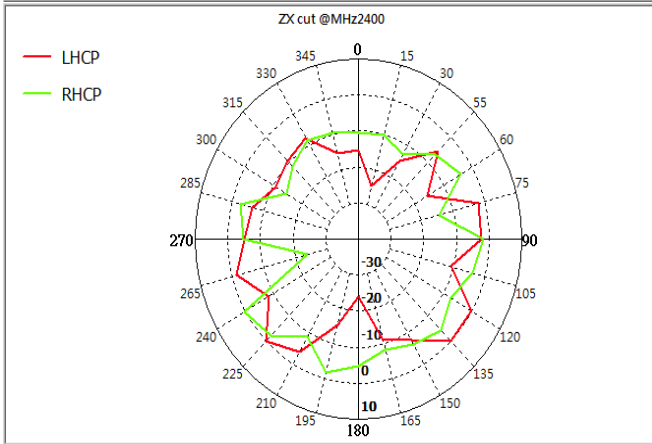
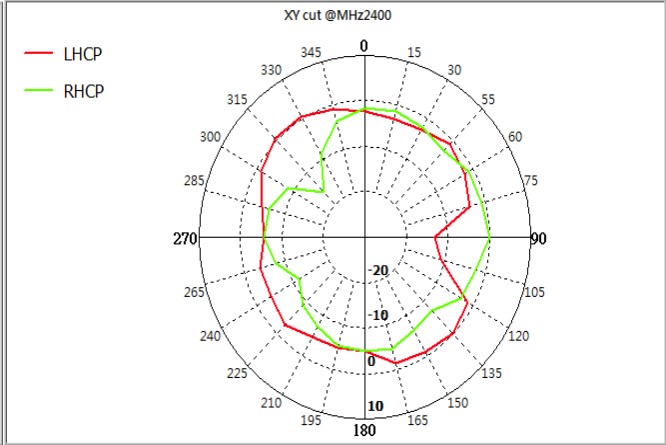
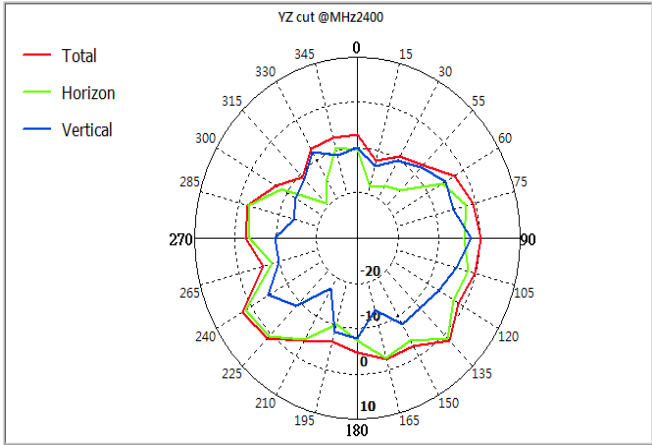
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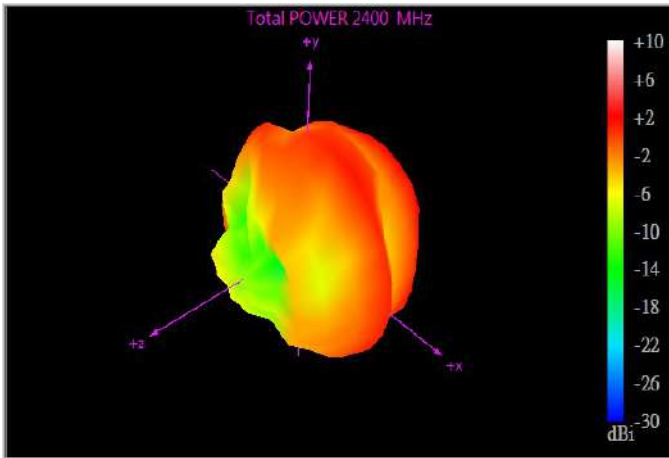




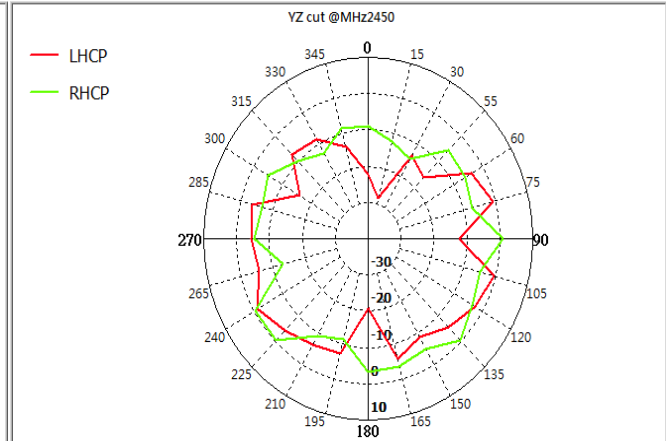
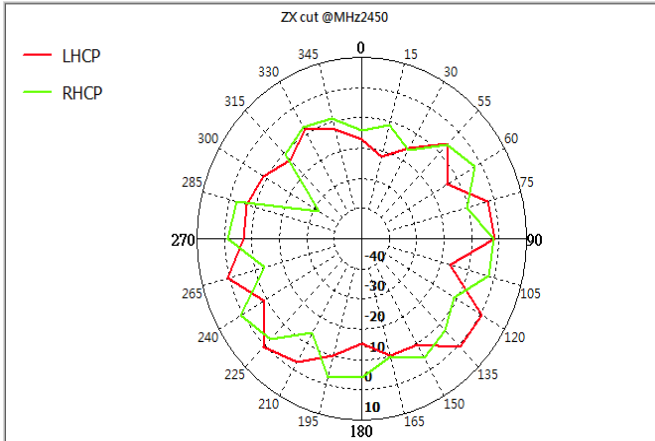
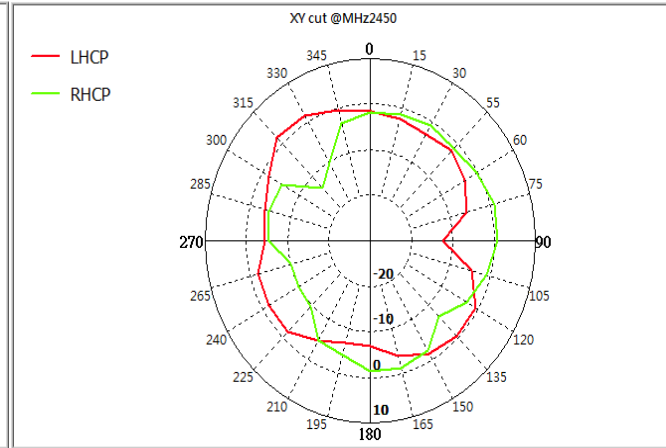
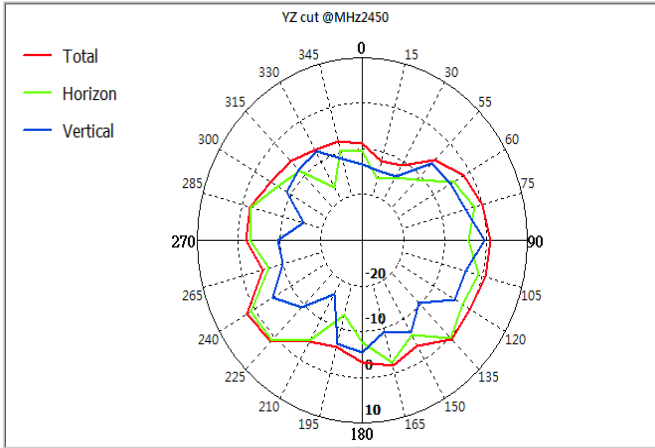
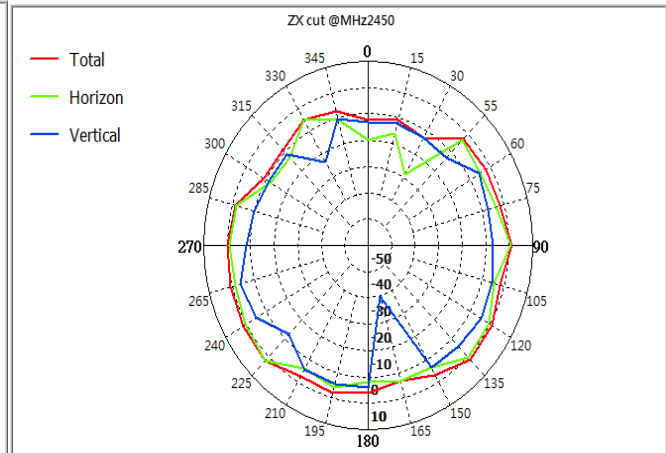
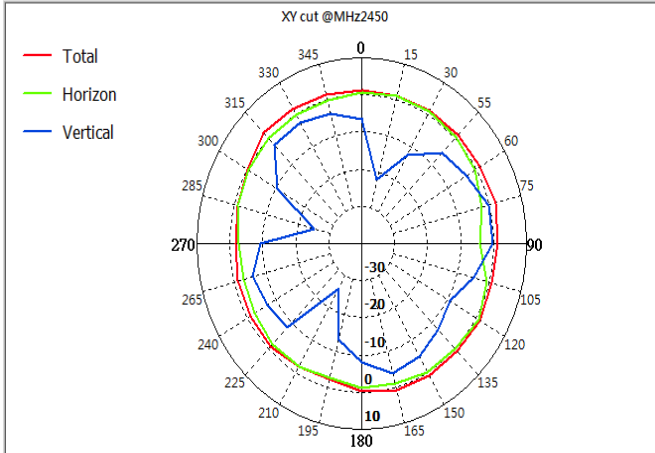
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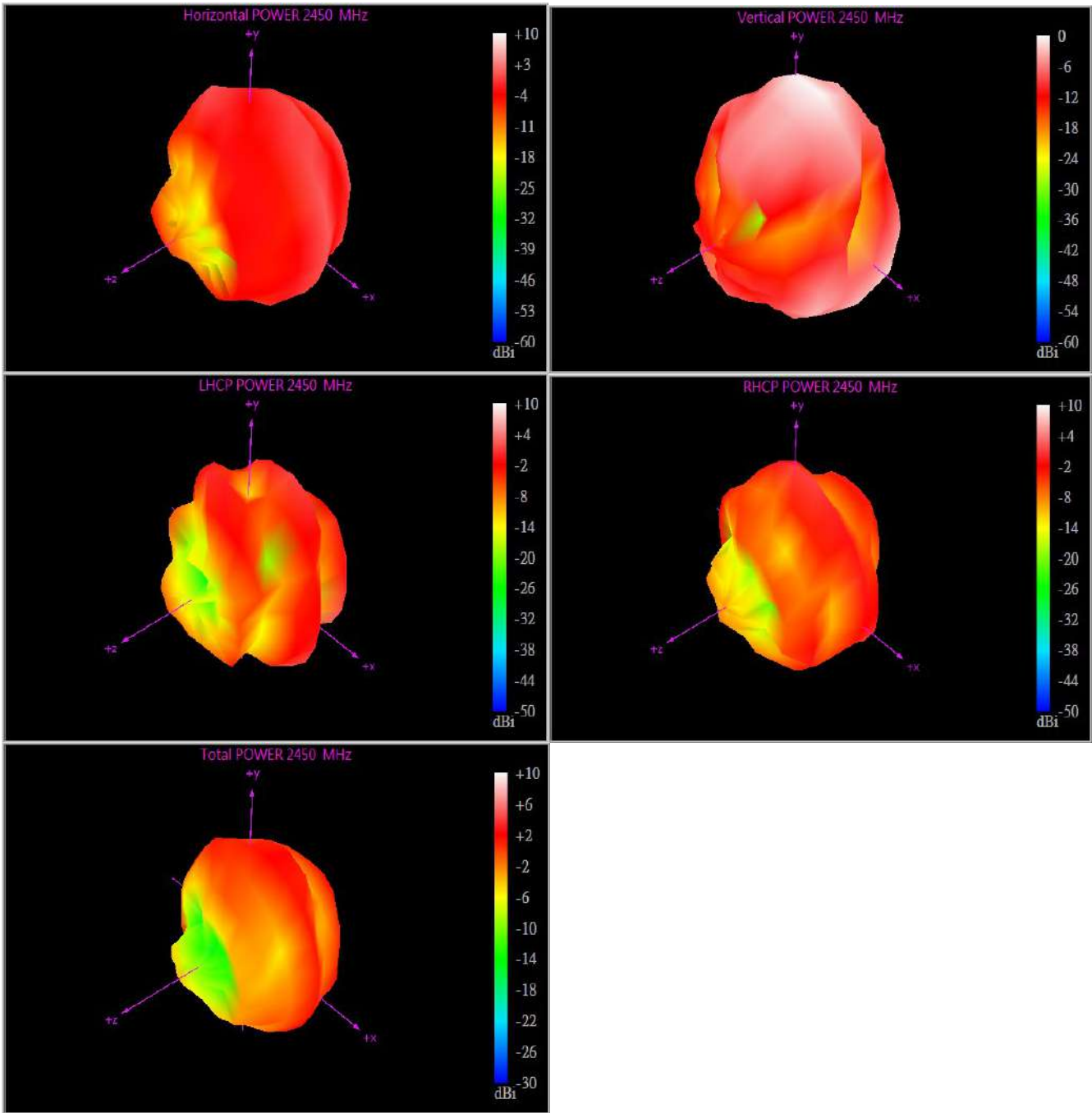






2450MHz:





2500Mhz:

