

L & 2.4G & S Band Flexible Cable Antenna

MODEL: TH-1438E



1.. GENERAL DESCRIPTION

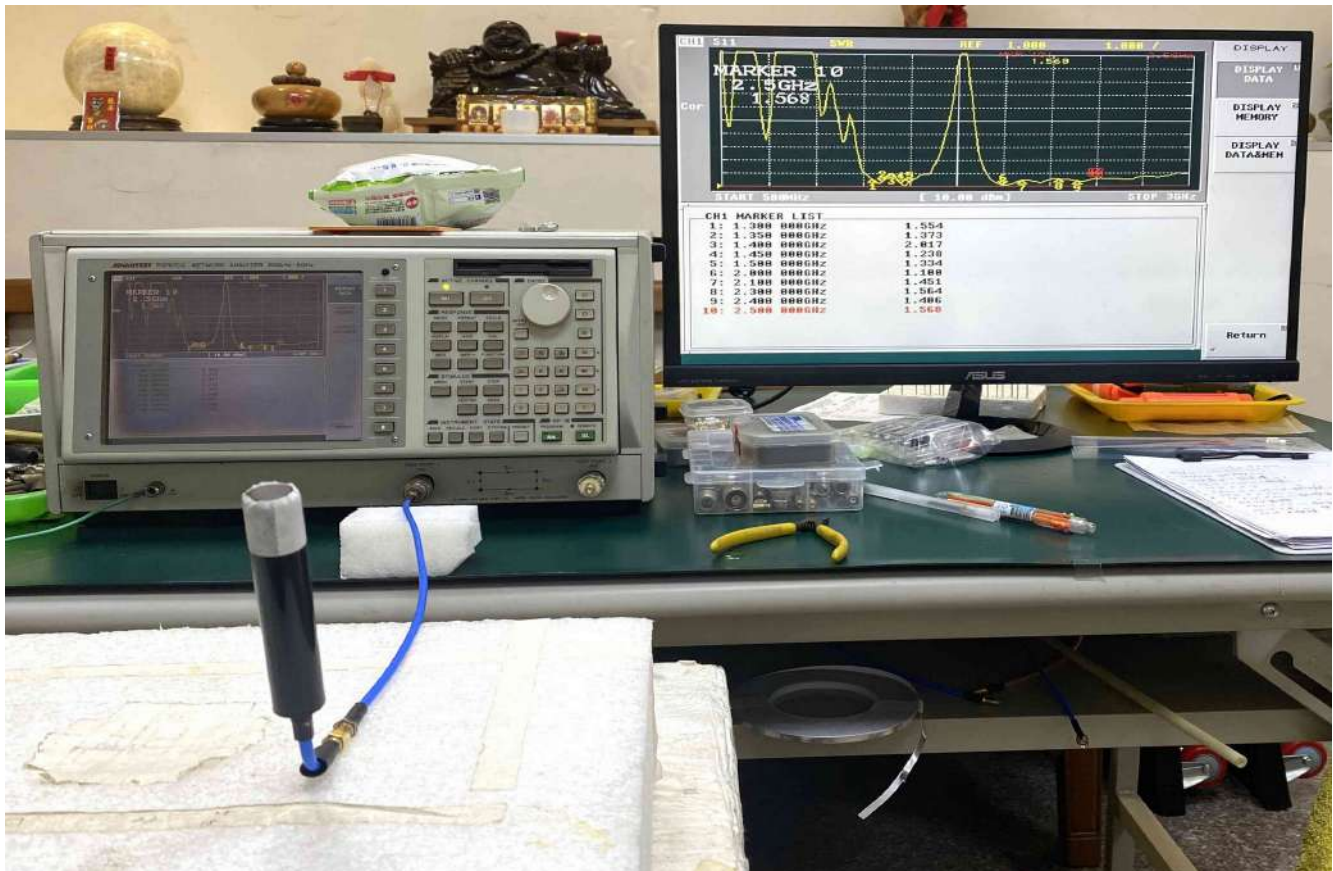
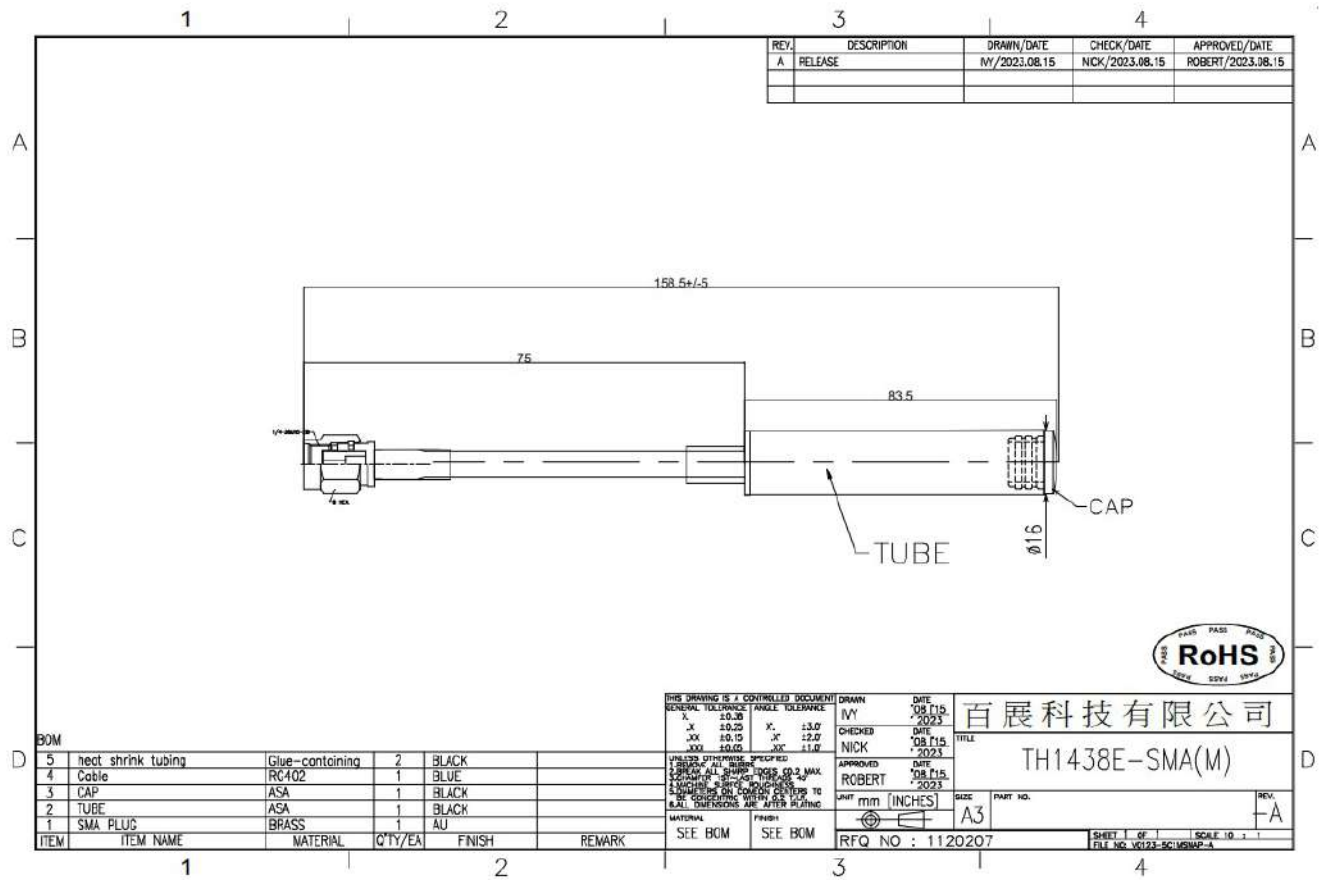
Model No
TH1438E-SMA(M)

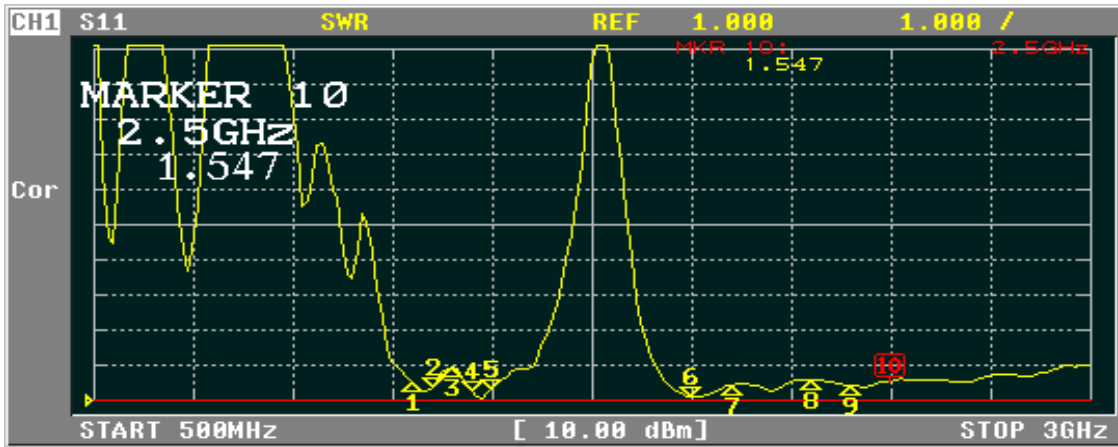
1.1 Electrical Properties

Parameter	Description
Frequency Band	1.3~1.5 & 2.0~3.0GHz
Nominal Impedance	50 ohm
Polarization	Vertical
V.S.W.R	2.5:1
Peak Gain	1.5-4dbi
Power	10W

1.2 Mechanical Properties

Parameter	Description
Antenna Type	External Antenna
Material	ASA
Touch Type	Screw Type
Connector Type	SMA connector (Male) / RG402 Cable
Antenna Dimensions	OD16 x158.5mm ±5
Weight	38g
Antenna Color	Black
Operating Temperature Range	-40°C~+85°C
Storage Temperature Range	-40°C~+85°C
Waterproof	IP67





DISPLAY

DISPLAY DATA 1

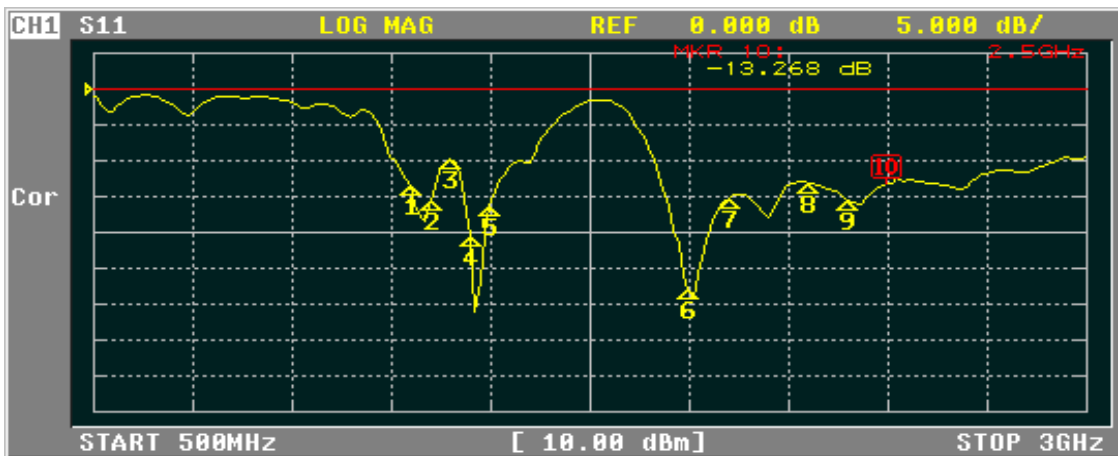
DISPLAY MEMORY 2

DISPLAY DATA&MEM 3

Return 8

CH1 MARKER LIST

1:	1.300 000GHz	1.526
2:	1.350 000GHz	1.389
3:	1.400 000GHz	1.968
4:	1.450 000GHz	1.245
5:	1.500 000GHz	1.325
6:	2.000 000GHz	1.093
7:	2.100 000GHz	1.442
8:	2.300 000GHz	1.572
9:	2.400 000GHz	1.413
10:	2.500 000GHz	1.546



FORMAT

LOG MAG 1

PHASE 2

DELAY 3

SMITH (R+jX) 4

SMITH (G+jB) 5

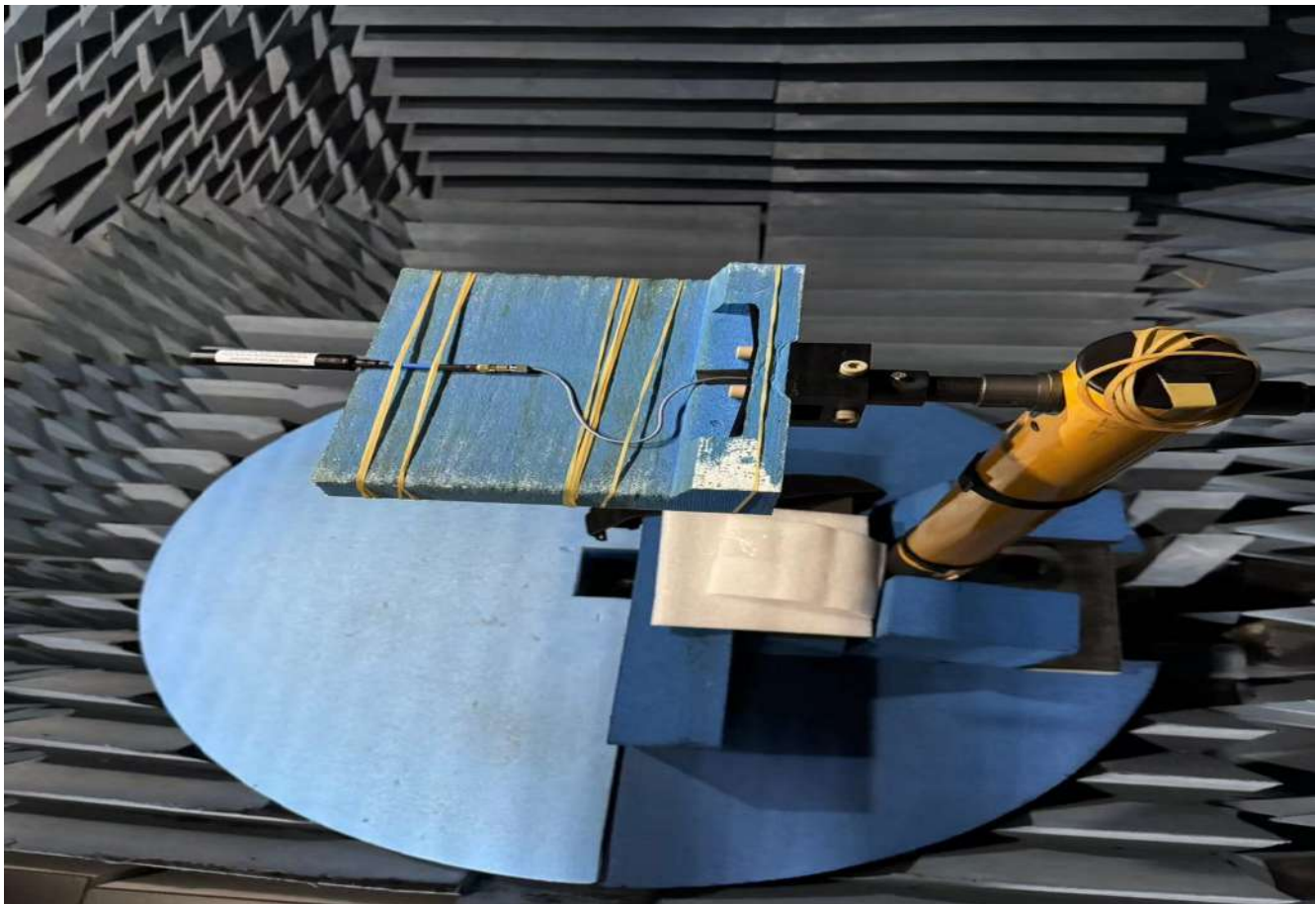
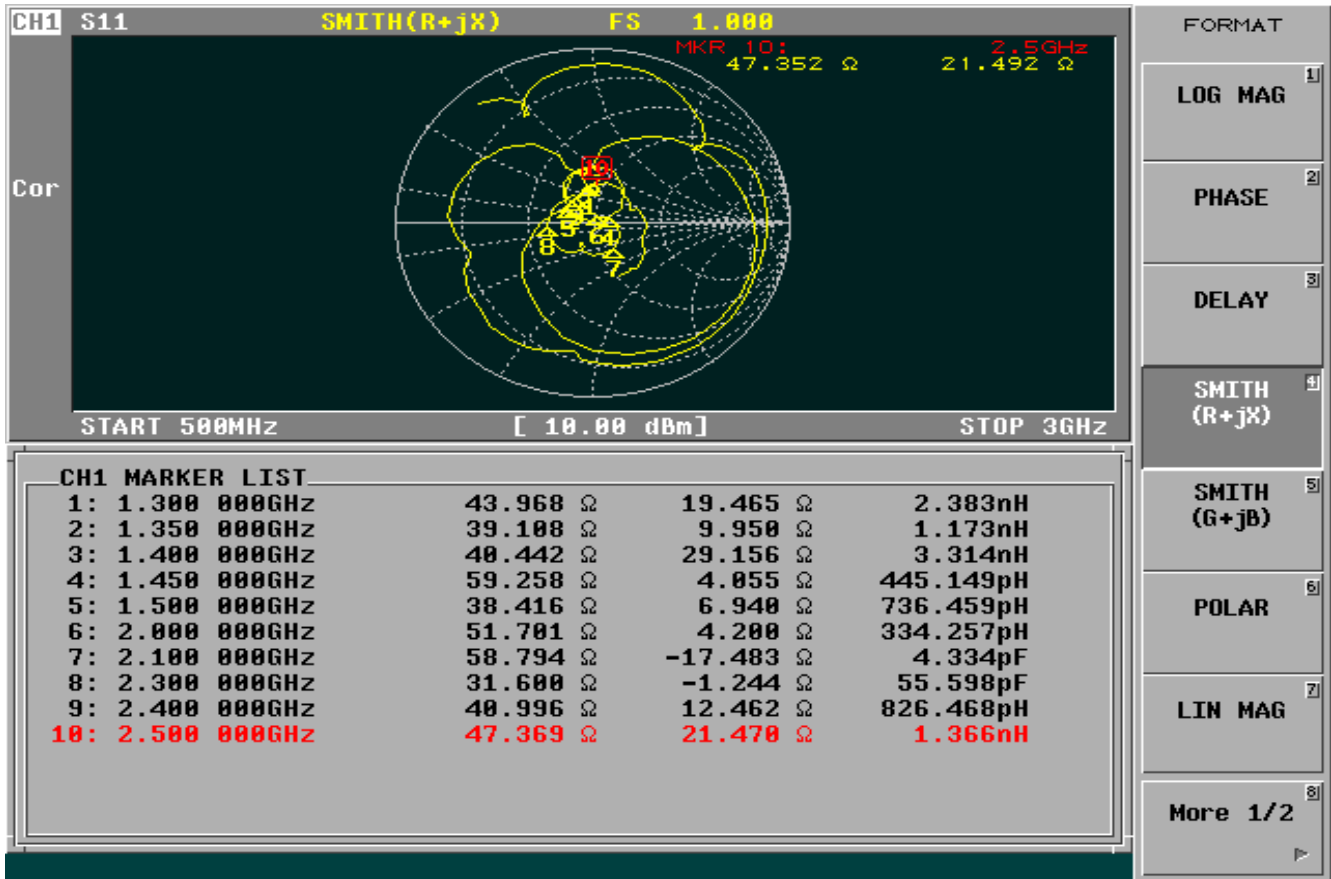
POLAR 6

LIN MAG 7

More 1/2 8

CH1 MARKER LIST

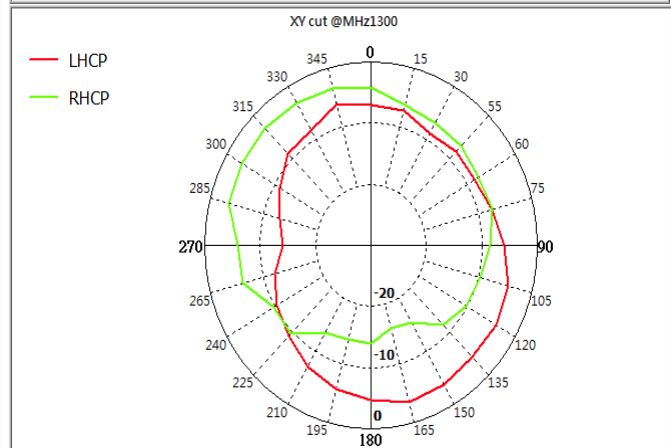
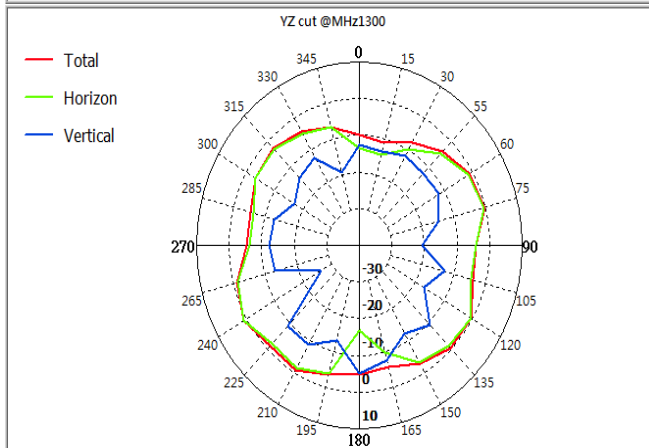
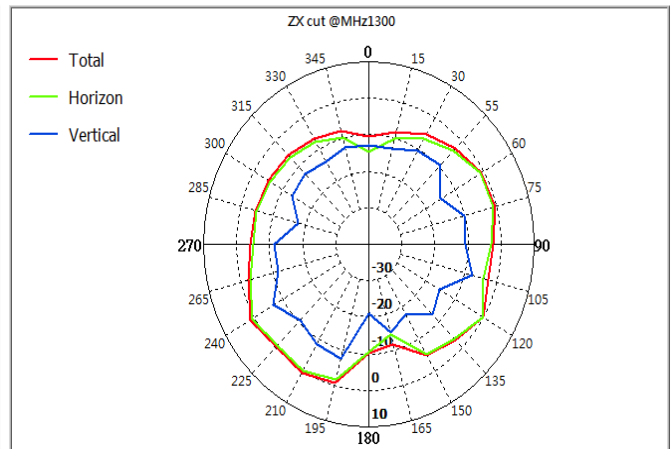
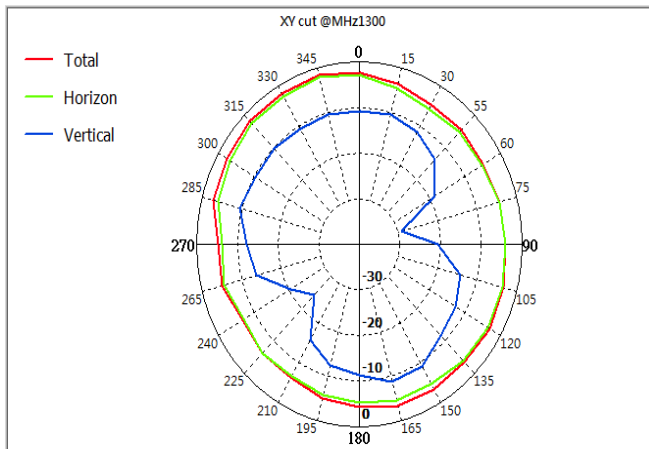
1:	1.300 000GHz	-13.390 dB
2:	1.350 000GHz	-15.560 dB
3:	1.400 000GHz	-9.825 dB
4:	1.450 000GHz	-20.469 dB
5:	1.500 000GHz	-16.327 dB
6:	2.000 000GHz	-27.917 dB
7:	2.100 000GHz	-15.154 dB
8:	2.300 000GHz	-13.043 dB
9:	2.400 000GHz	-15.559 dB
10:	2.500 000GHz	-13.268 dB

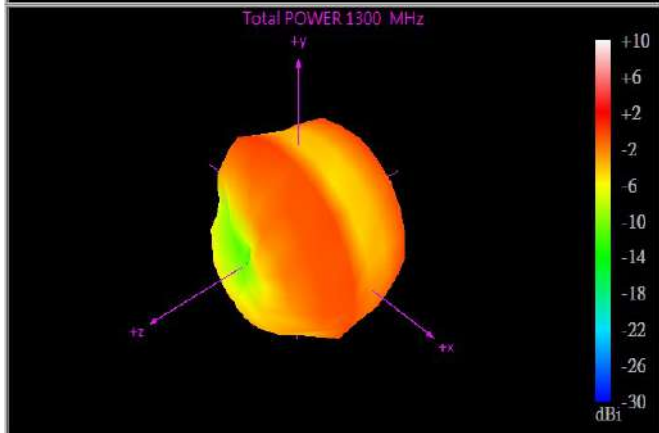
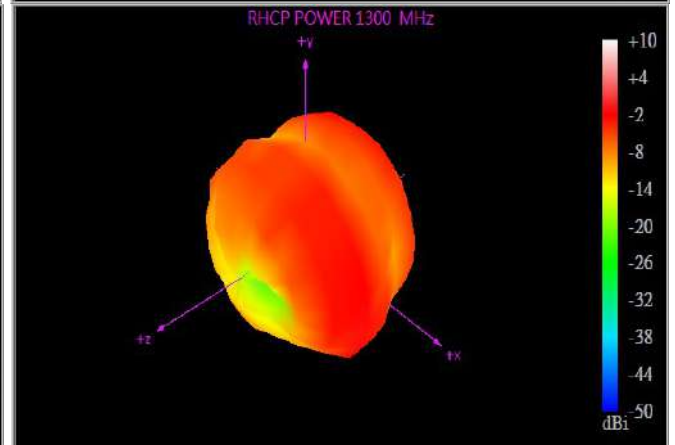
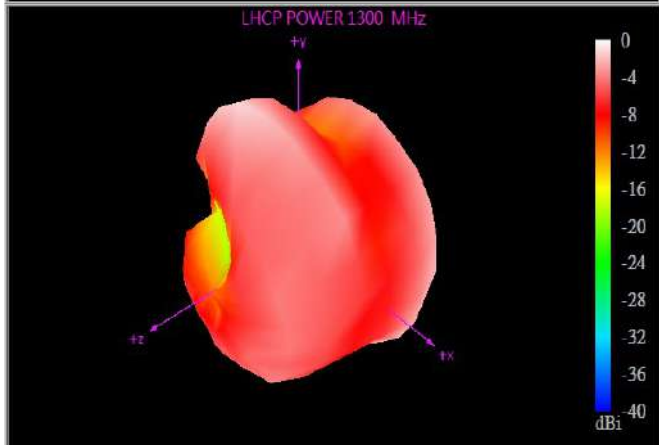
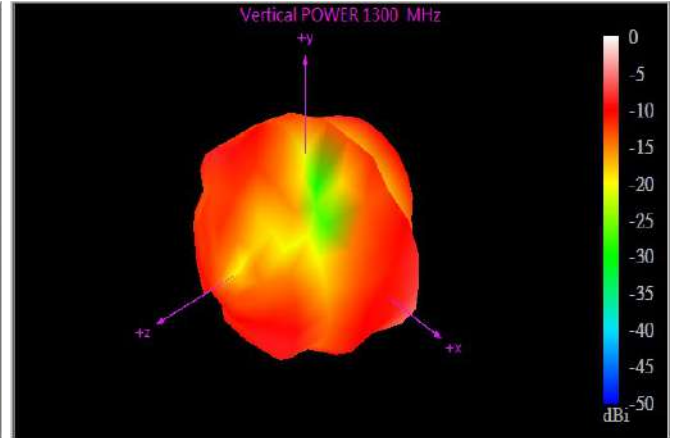
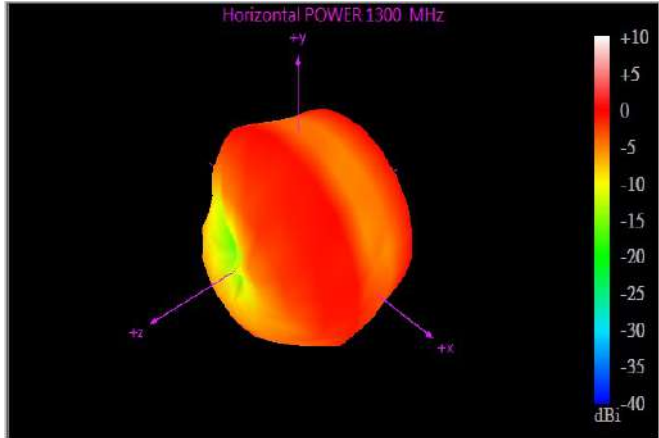
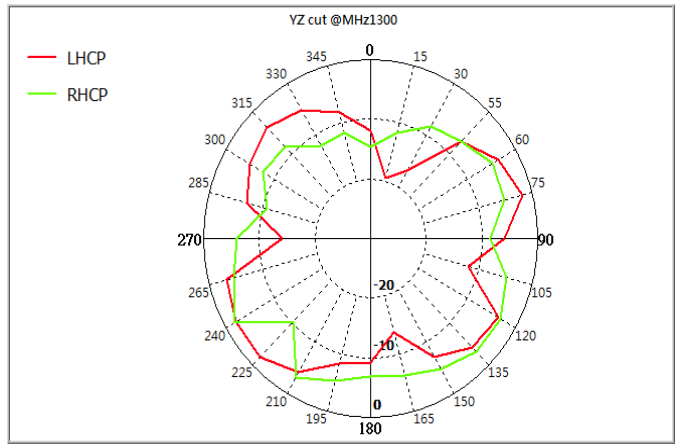
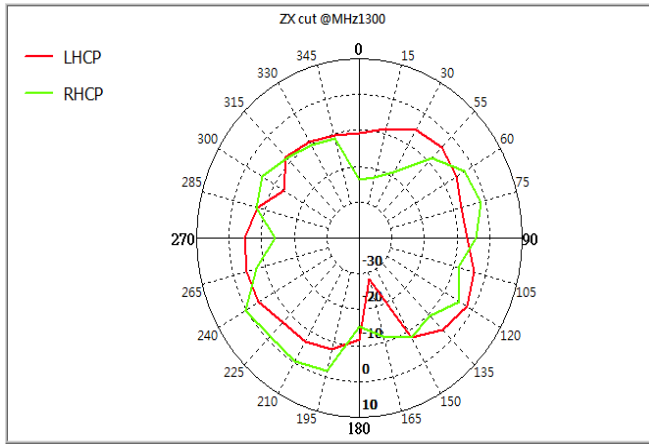


3D Total

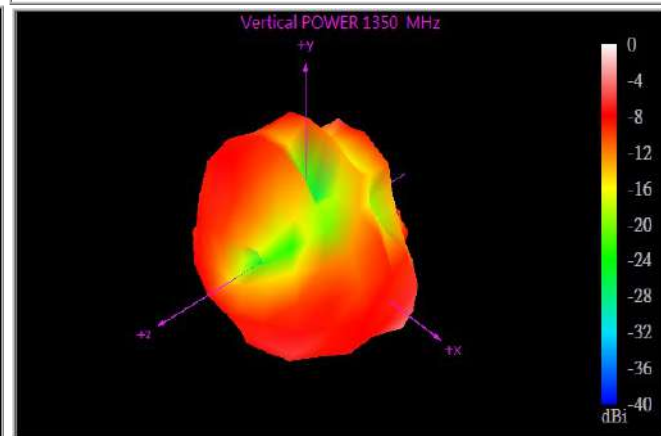
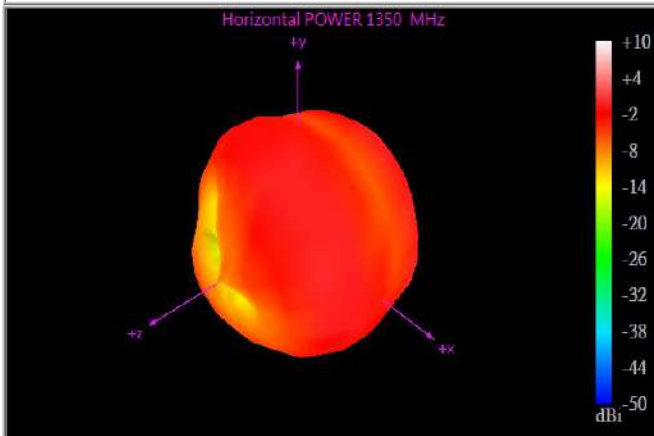
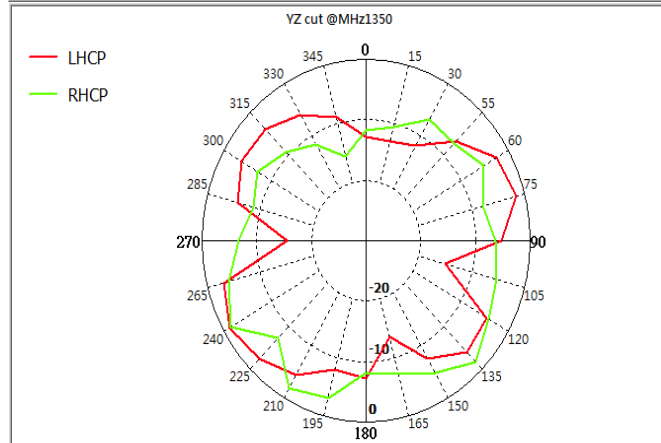
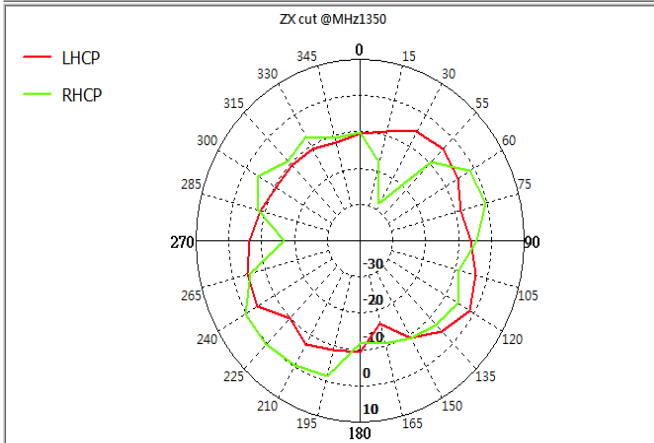
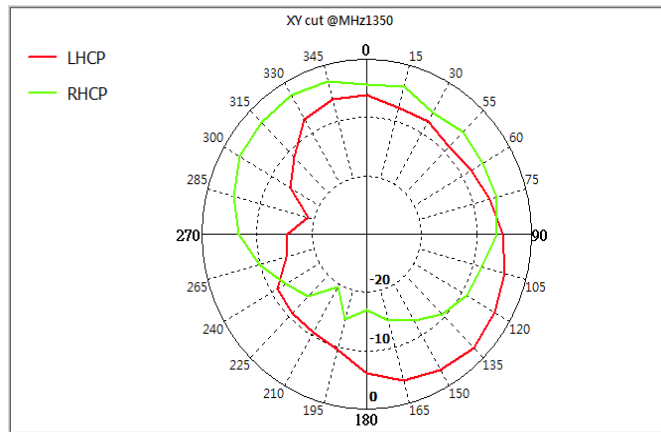
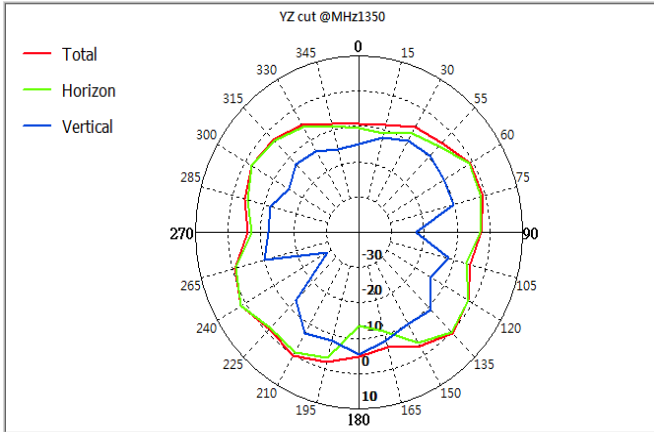
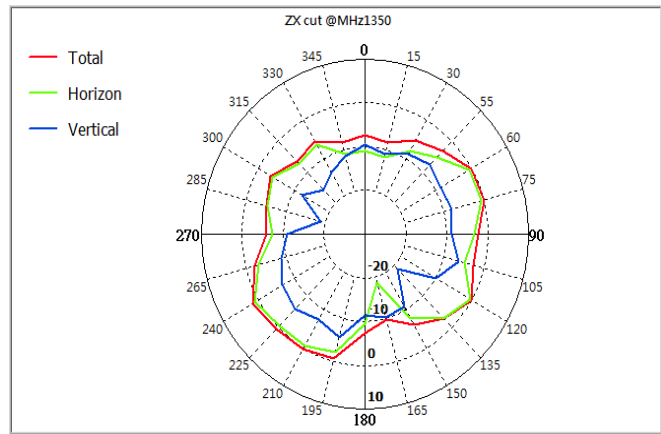
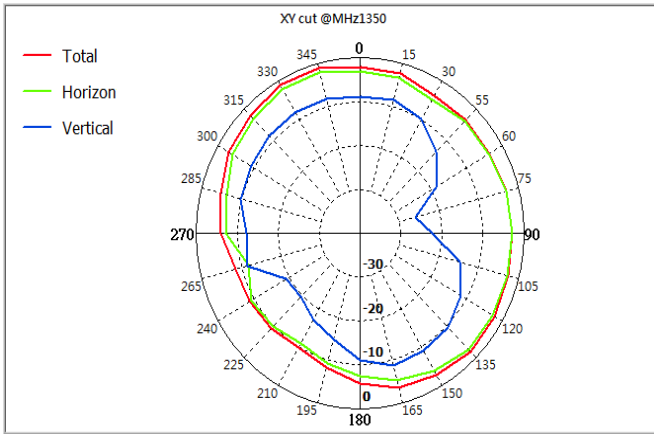
Frequency (MHz)	Upper Hem. PRP (dBm)	Lower HEM. PRP (dBm)	Efficiency (dB)	Efficiency (%)	Gain (dBi)	Tot. Rad.Pwr. (dBm)
1300 MHz	-6.69	-4.75	-2.60	54.94	1.74	-2.60
1350 MHz	-6.27	-4.44	-2.25	59.61	2.24	-2.25
1400 MHz	-7.08	-4.33	-2.48	56.51	2.38	-2.48
1450 MHz	-8.31	-4.99	-3.33	46.46	1.52	-3.33
1500 MHz	-7.56	-5.11	-3.15	48.36	1.86	-3.15
2000 MHz	-5.78	-5.58	-2.67	54.08	1.67	-2.67
2100 MHz	-5.97	-5.21	-2.56	55.42	1.60	-2.56
2200 MHz	-6.44	-5.24	-2.79	52.64	1.77	-2.79
2300 MHz	-7.52	-4.60	-2.81	52.32	3.04	-2.81
2400 MHz	-8.08	-4.49	-2.91	51.14	2.60	-2.91
2450 MHz	-7.65	-4.47	-2.77	52.90	2.72	-2.77
2500 MHz	-7.41	-4.27	-2.55	55.57	2.77	-2.55
2600 MHz	-6.82	-3.50	-1.84	65.44	3.78	-1.84
2700 MHz	-8.35	-4.07	-2.69	53.78	4.26	-2.69
2800 MHz	-10.28	-6.49	-4.97	31.83	1.96	-4.97
2900 MHz	-7.10	-3.48	-1.91	64.36	4.79	-1.91
3000 MHz	-7.15	-3.59	-2.00	63.10	4.44	-2.00

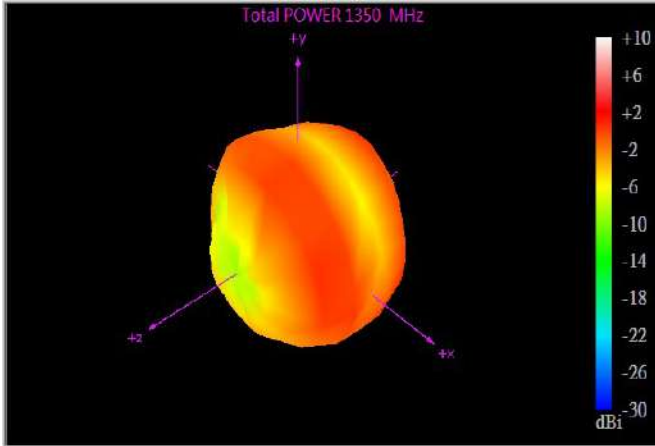
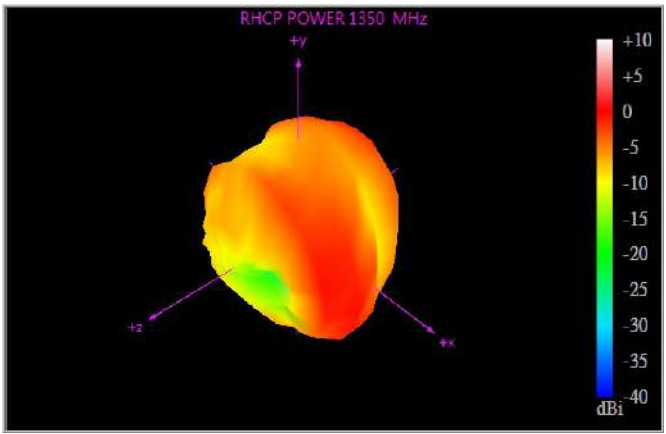
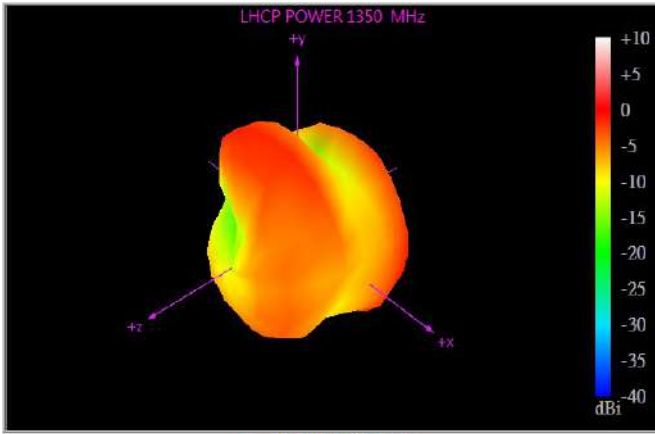
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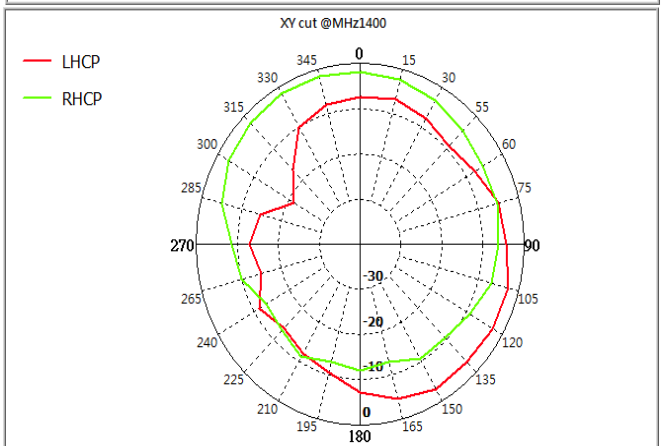
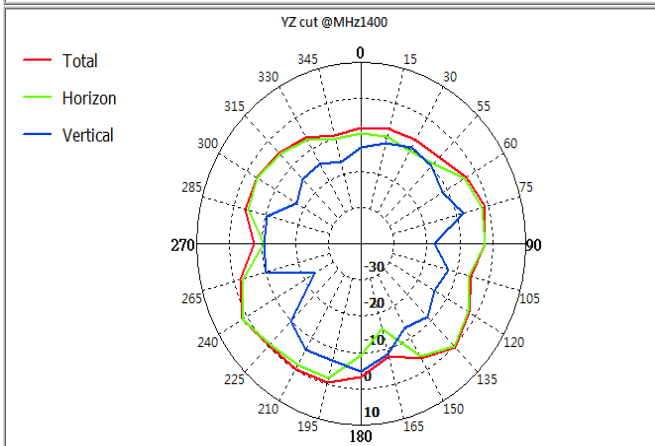
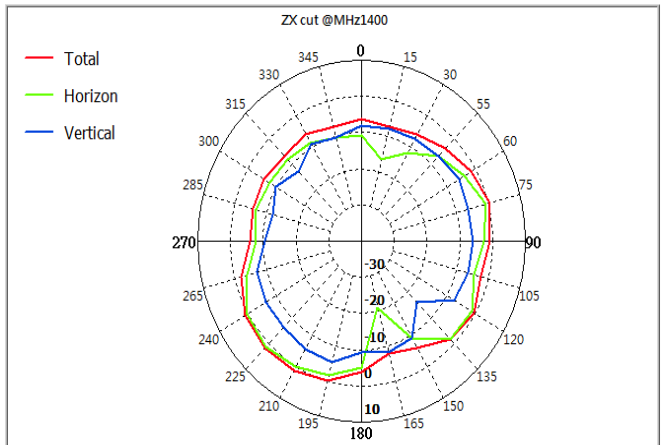
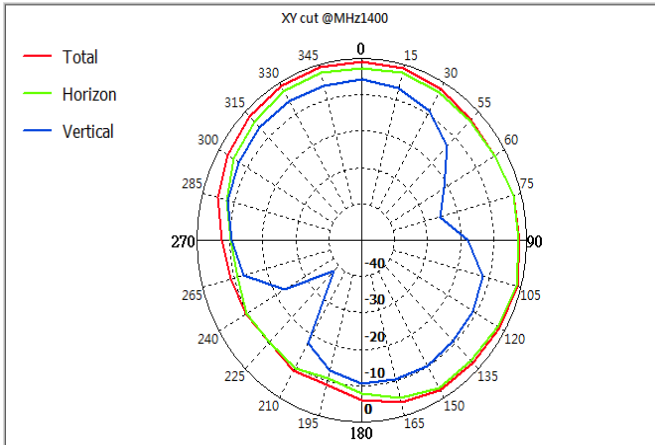


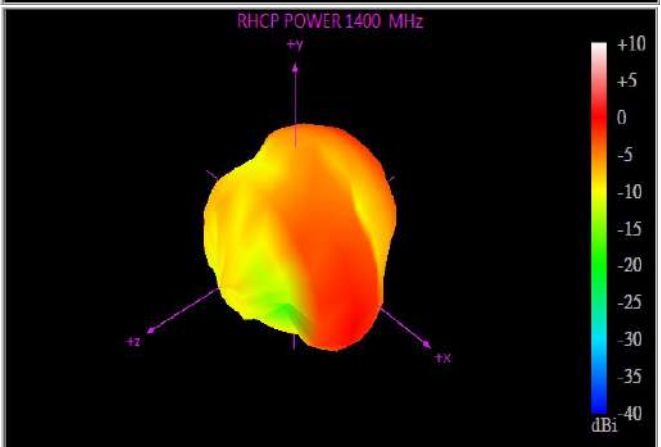
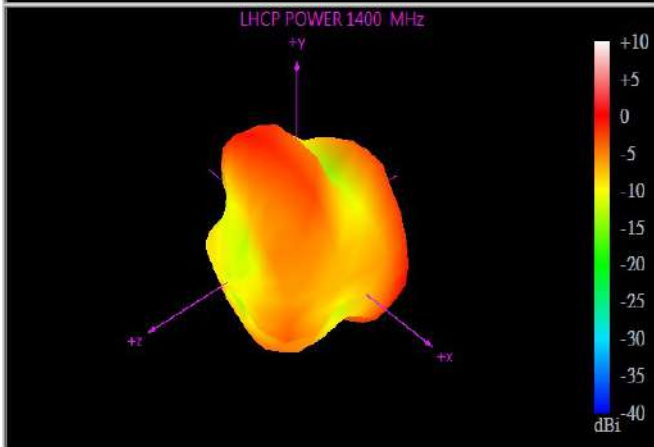
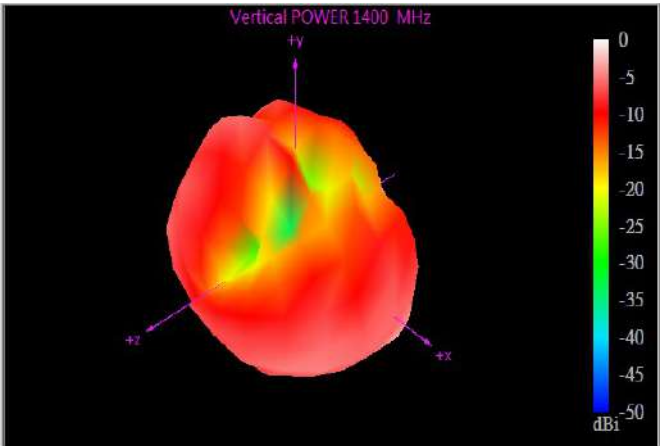
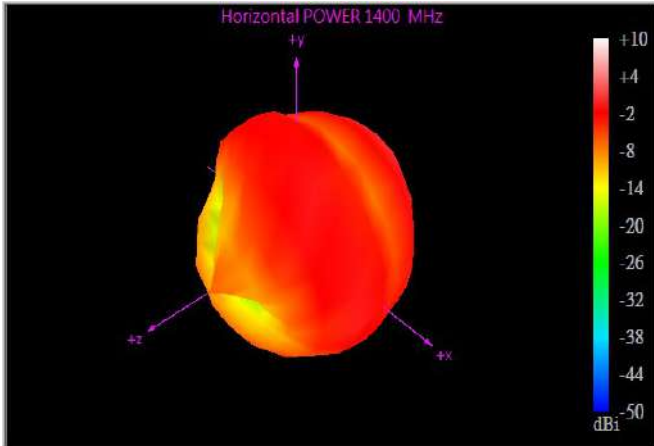
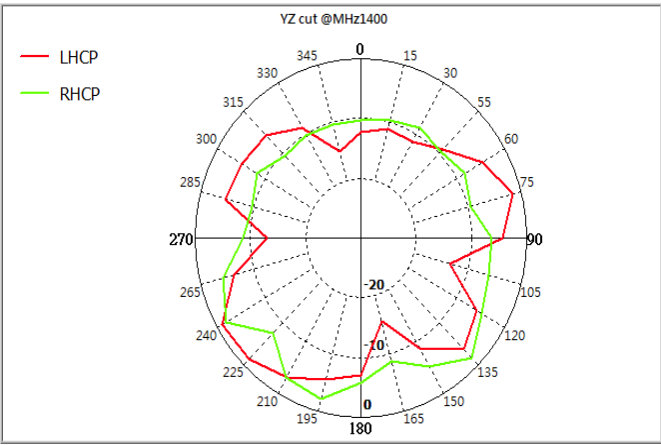
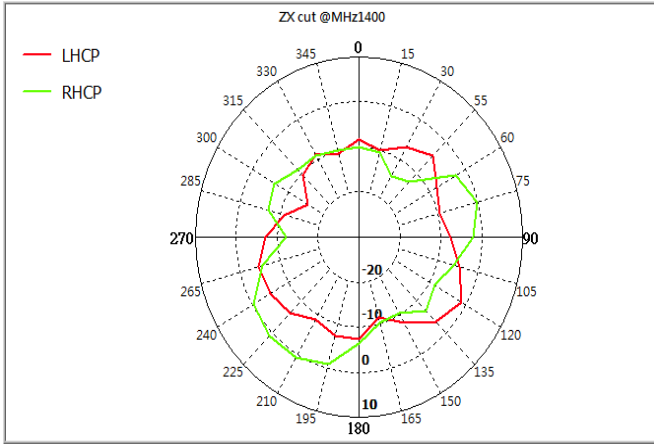
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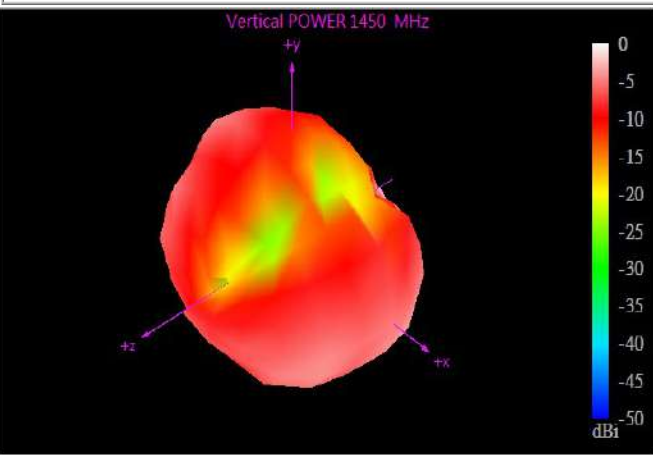
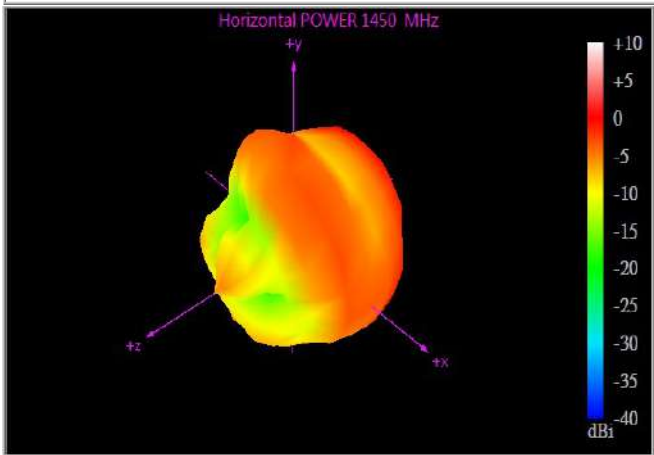
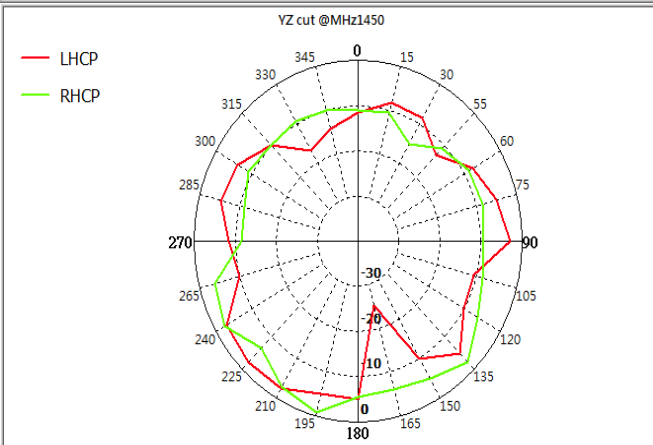
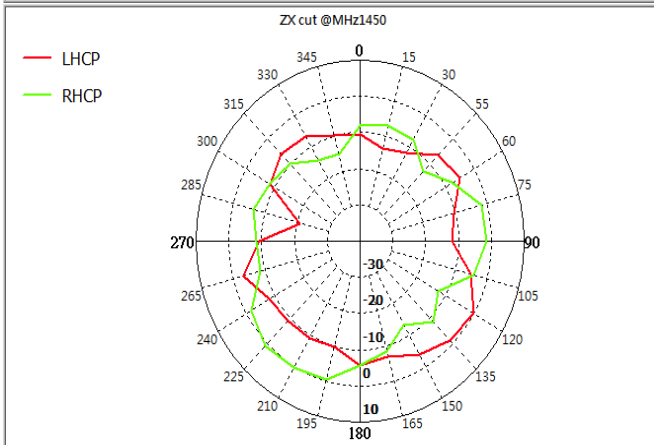
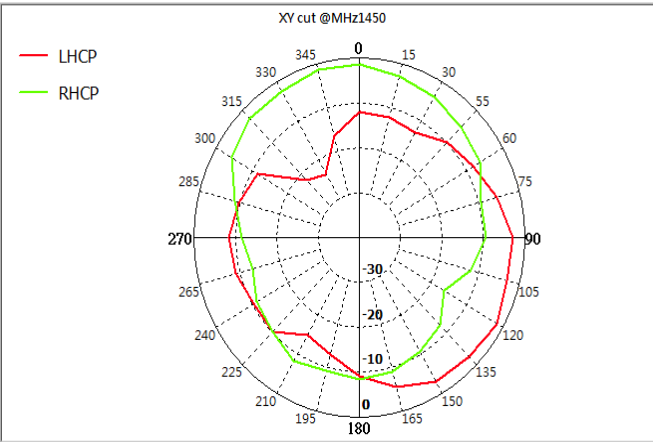
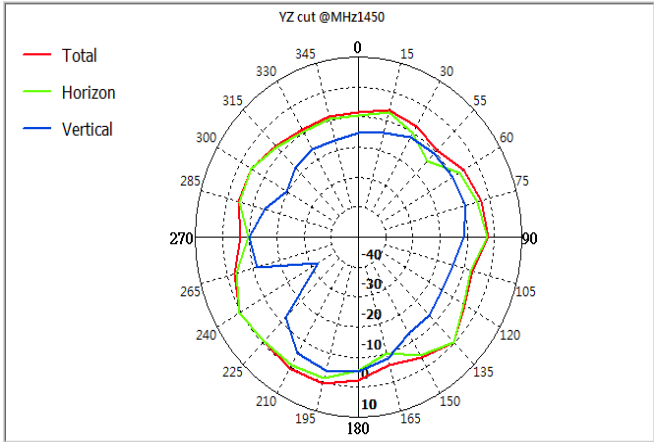
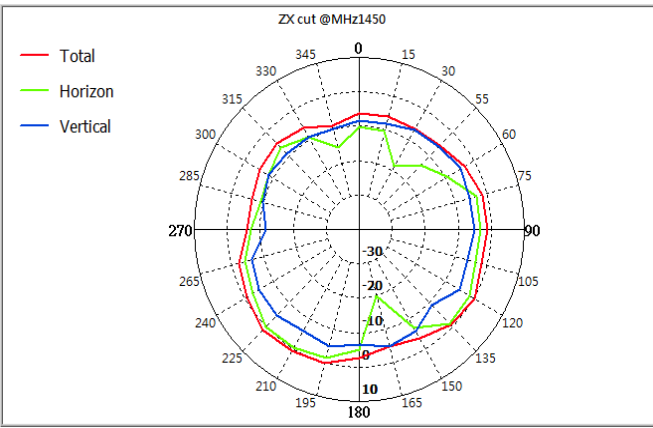
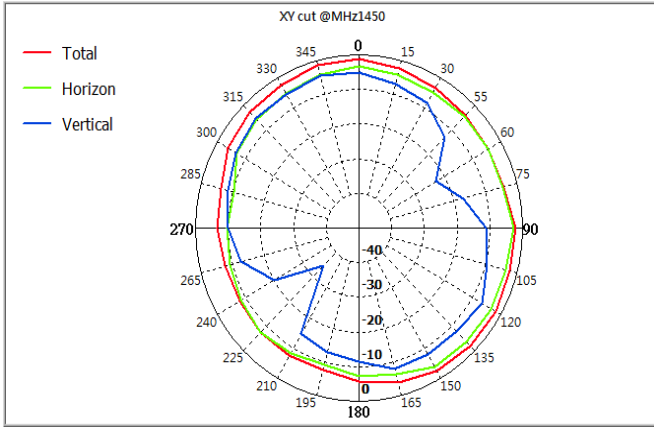


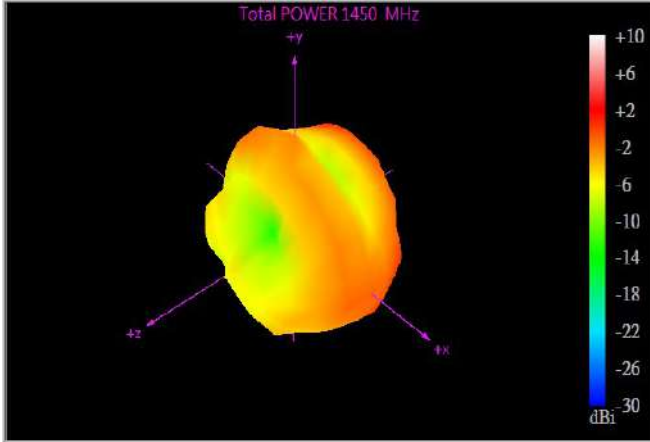
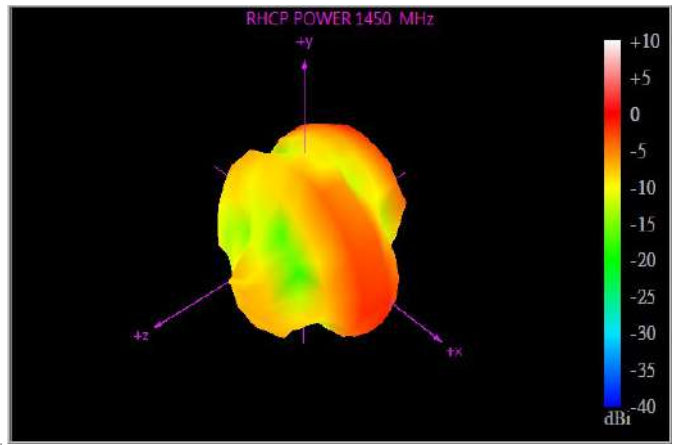
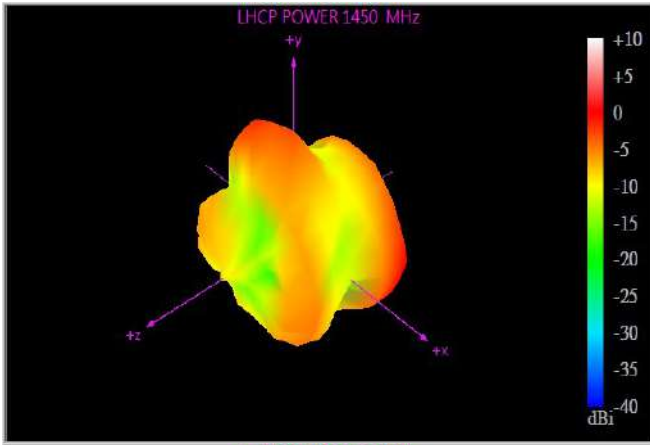
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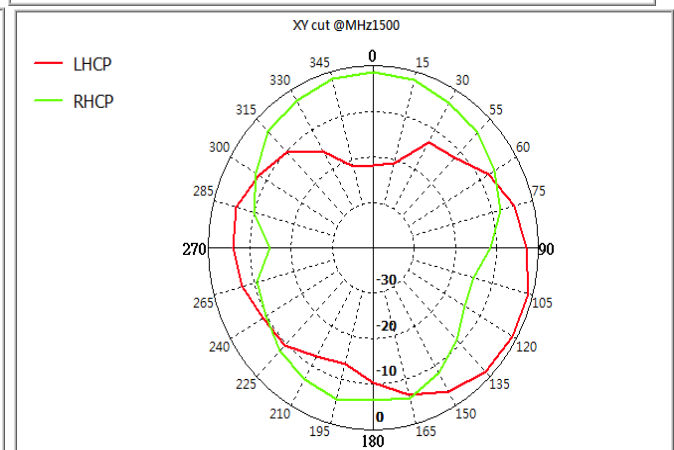
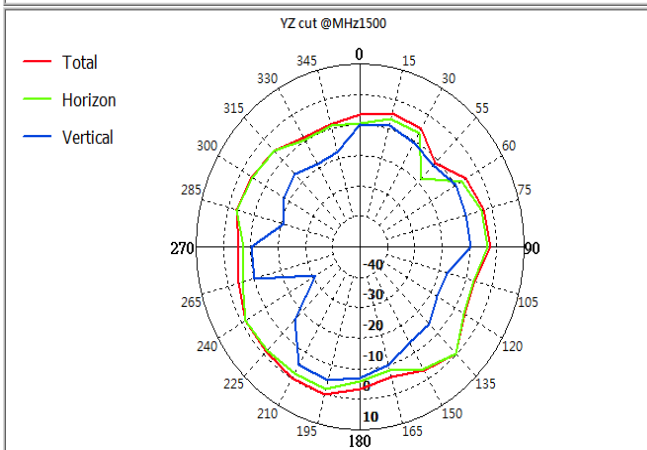
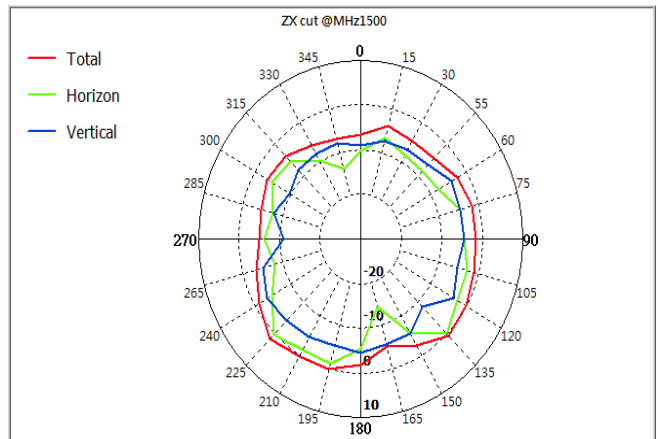
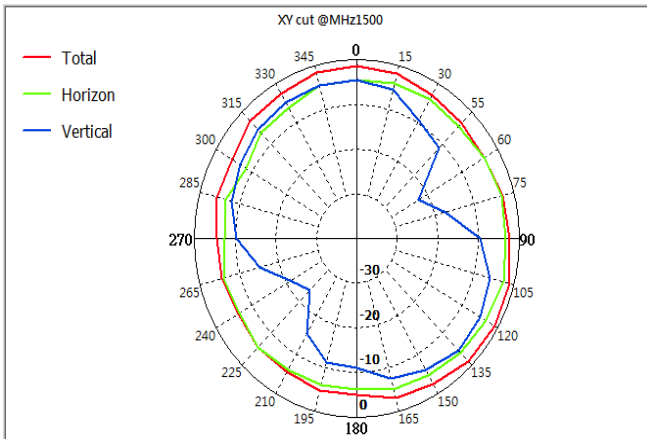


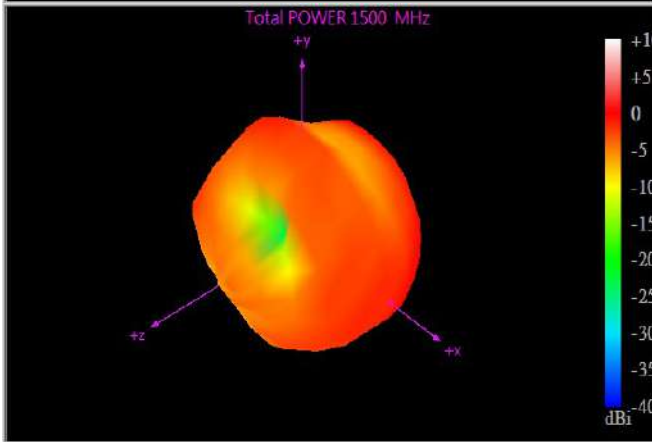
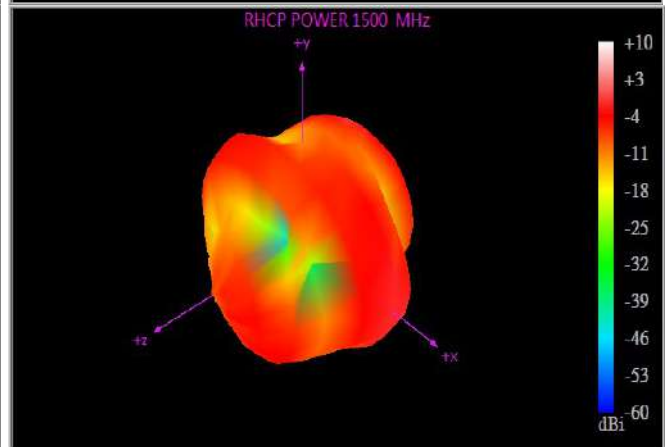
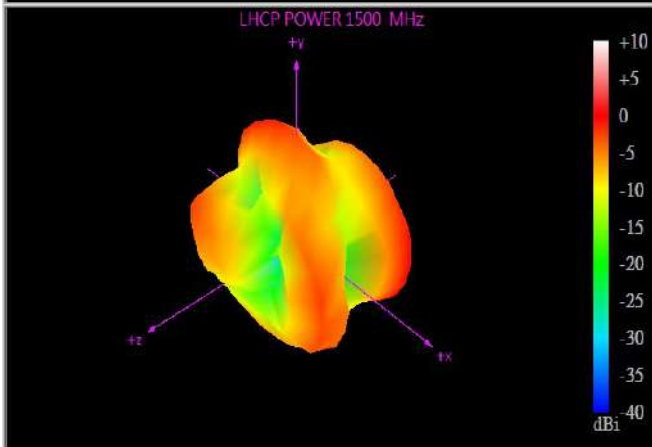
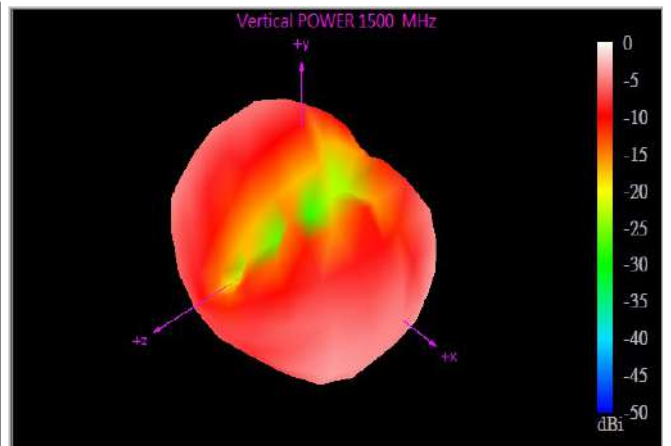
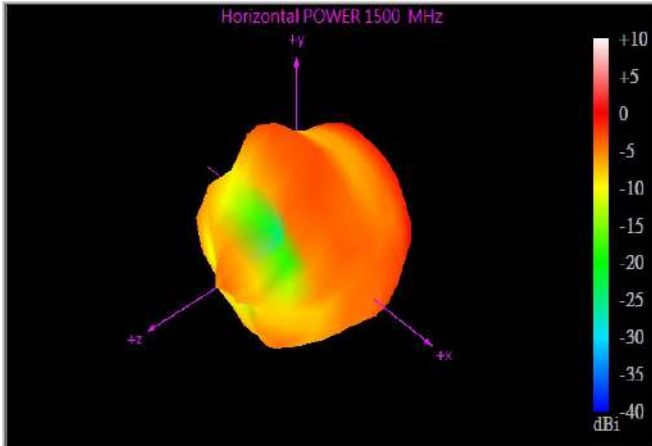
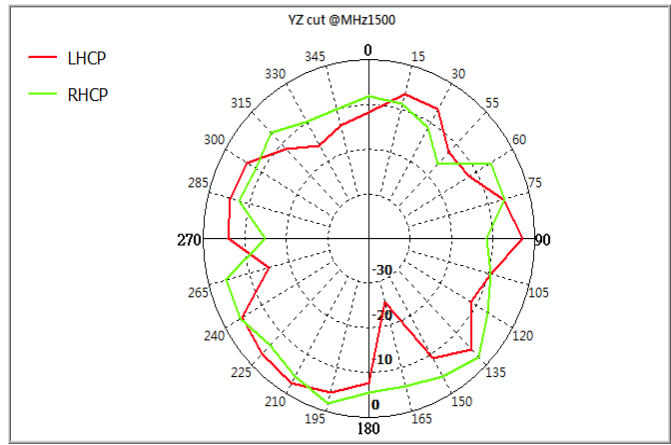
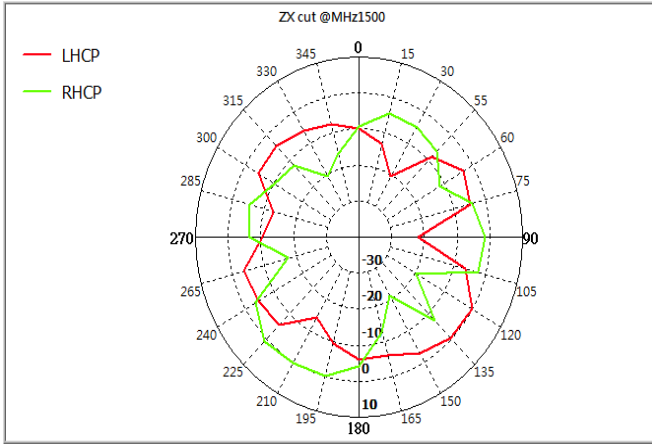
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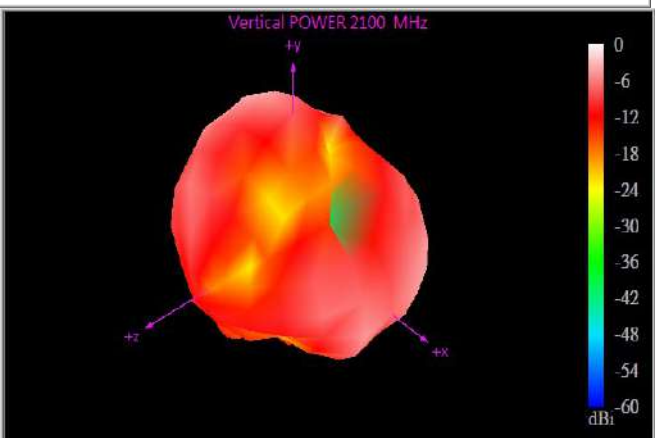
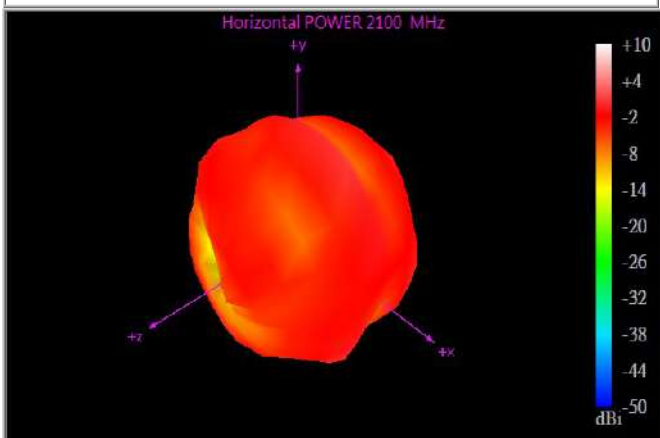
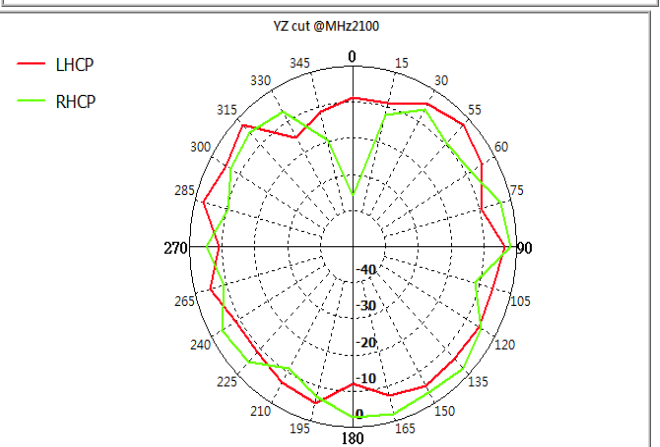
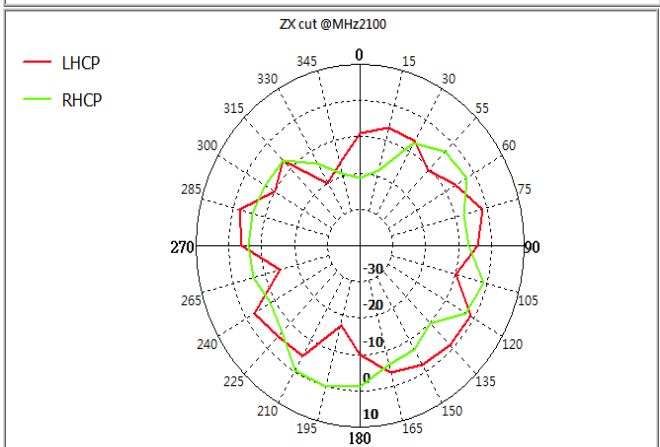
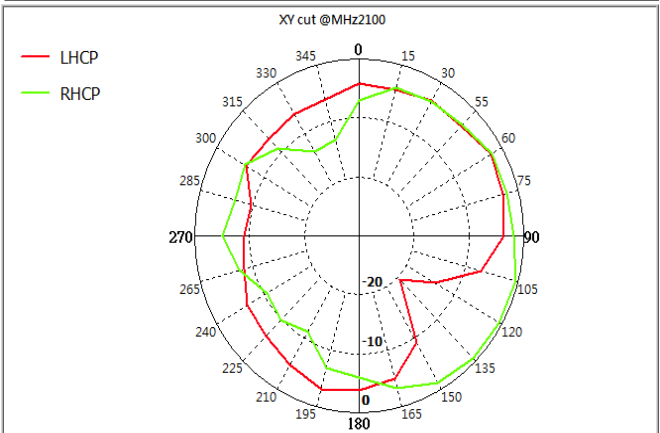
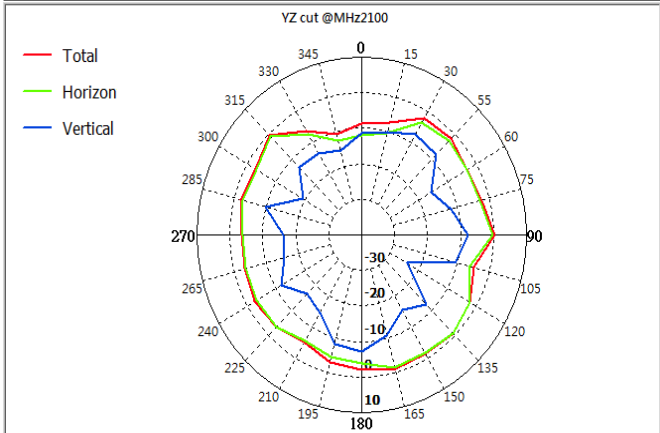
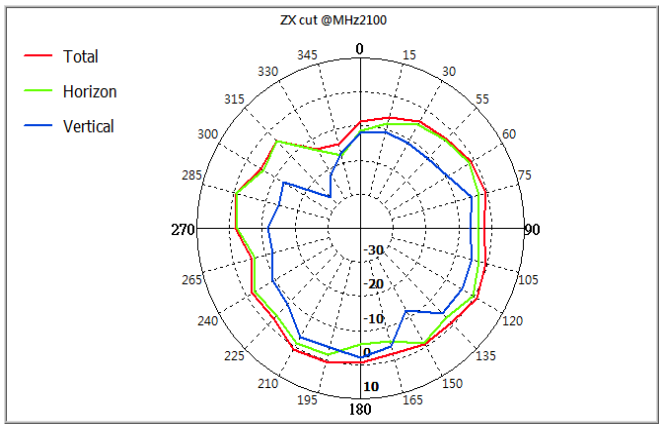
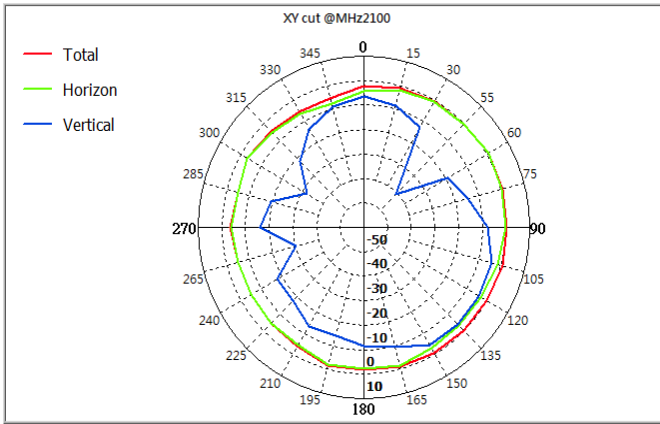


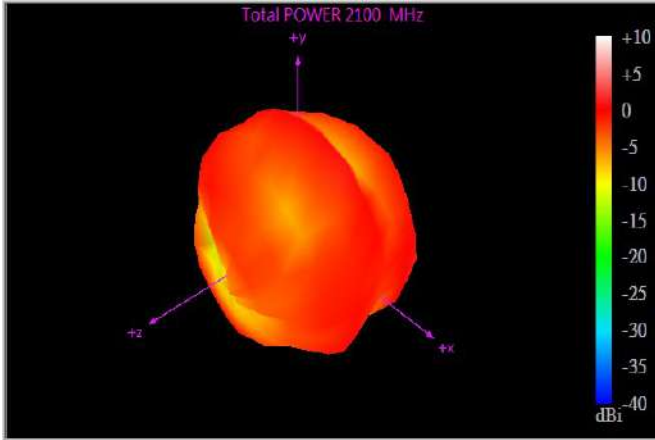
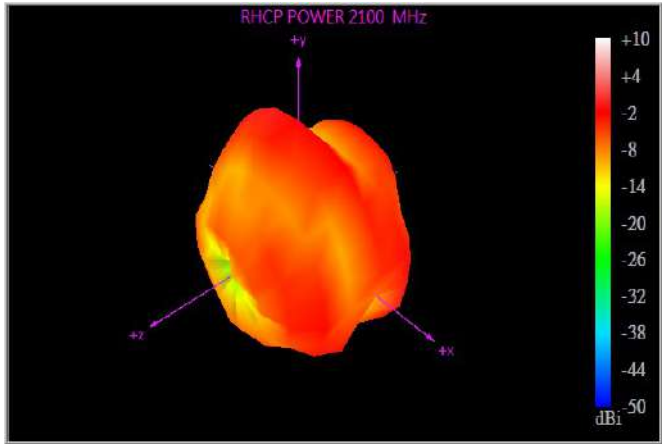
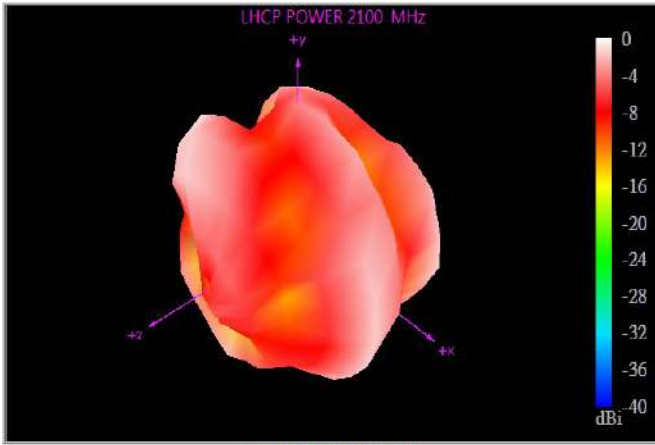
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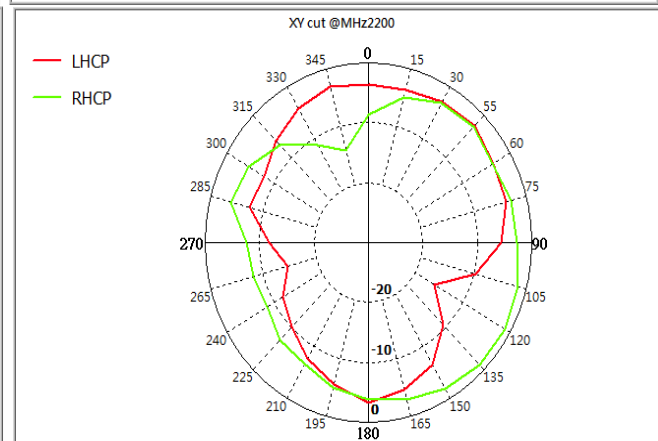
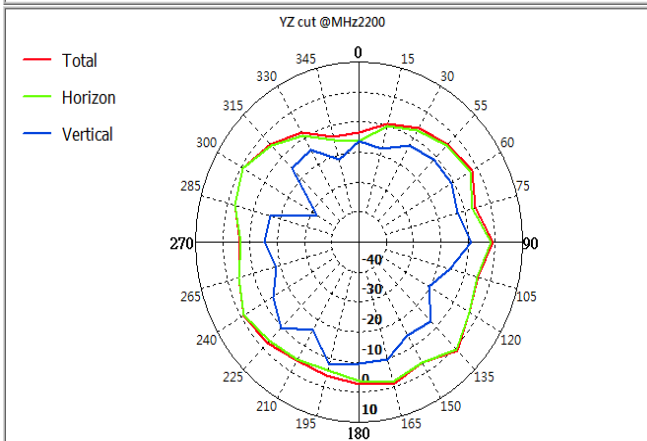
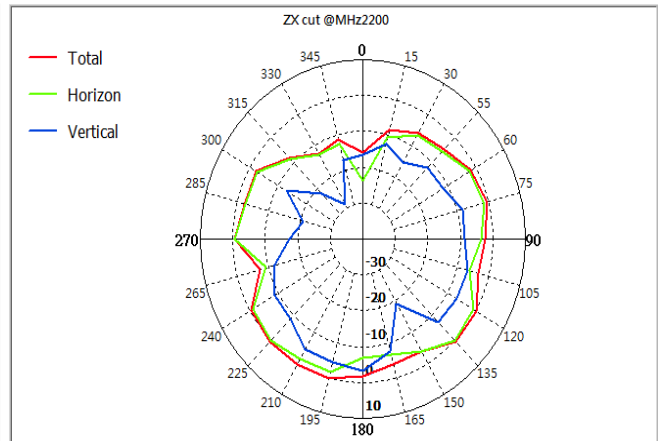
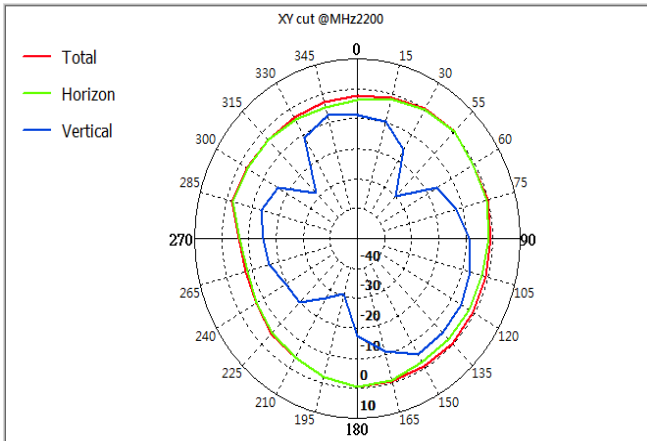


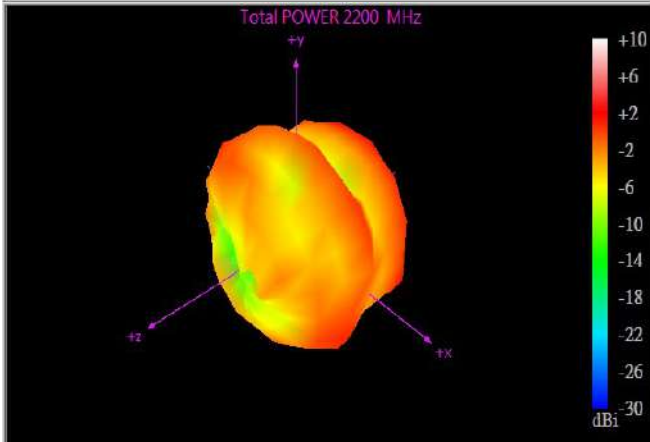
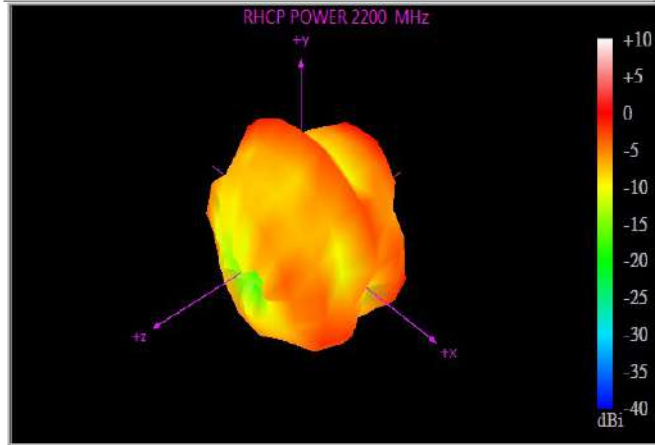
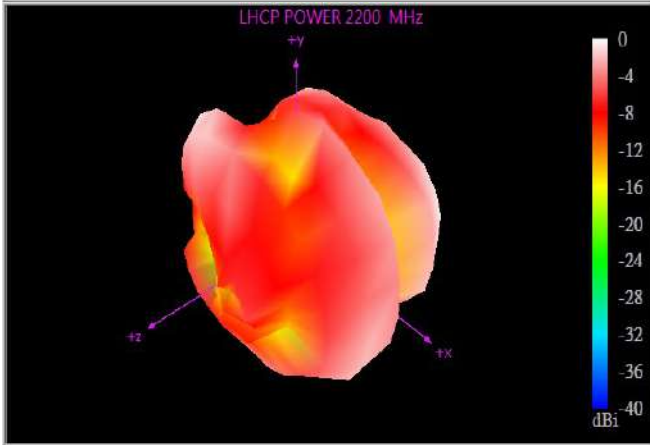
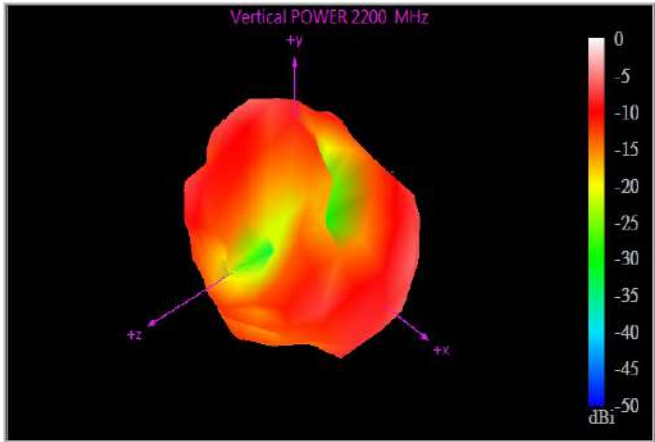
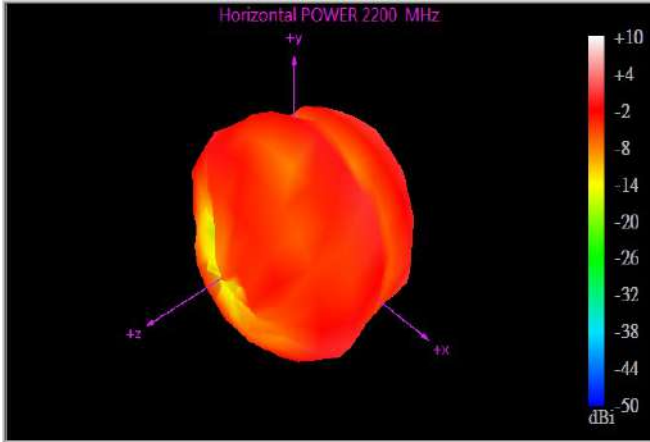
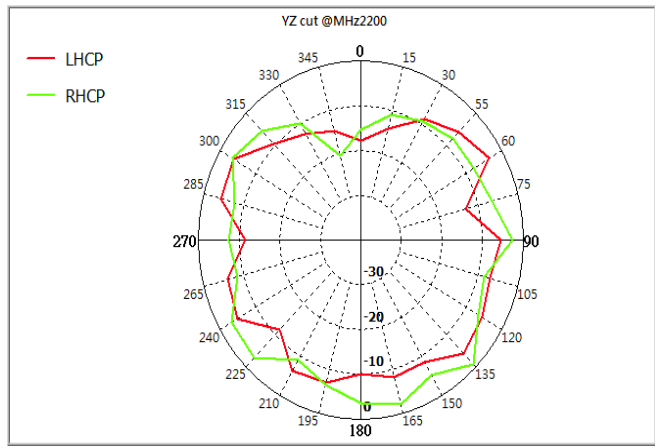
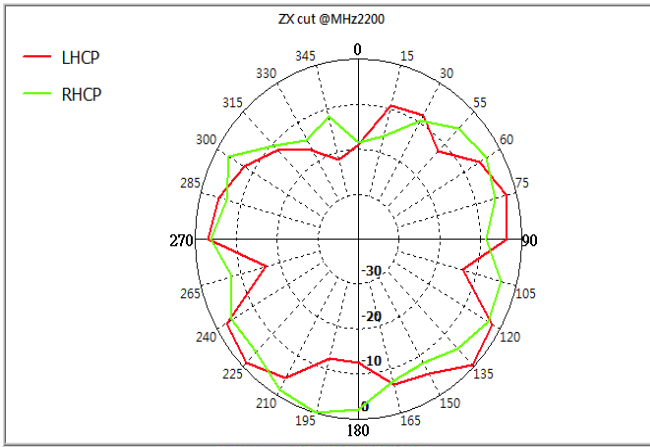
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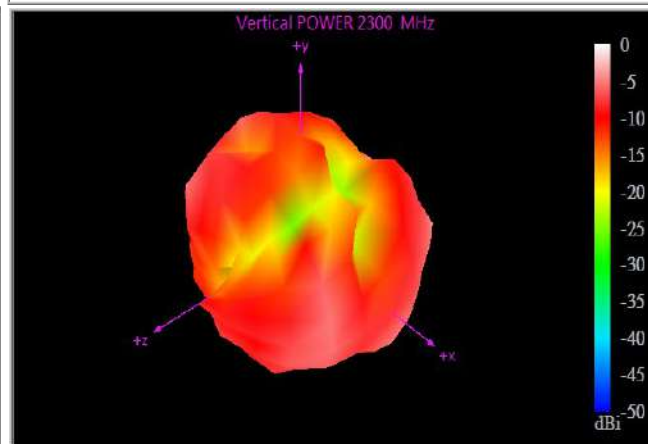
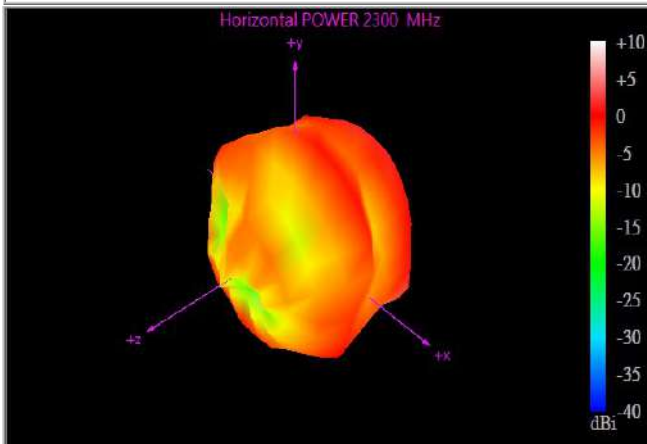
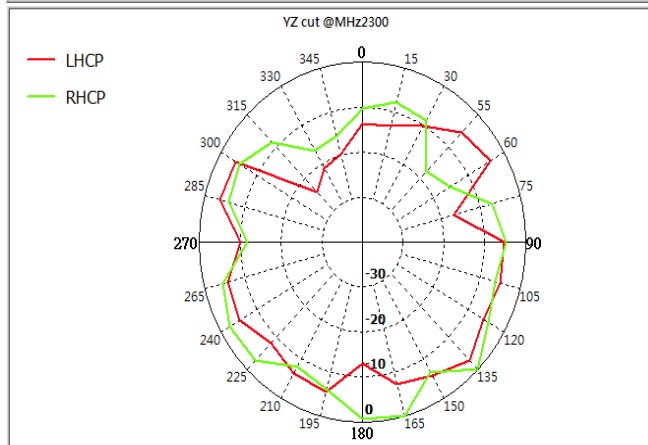
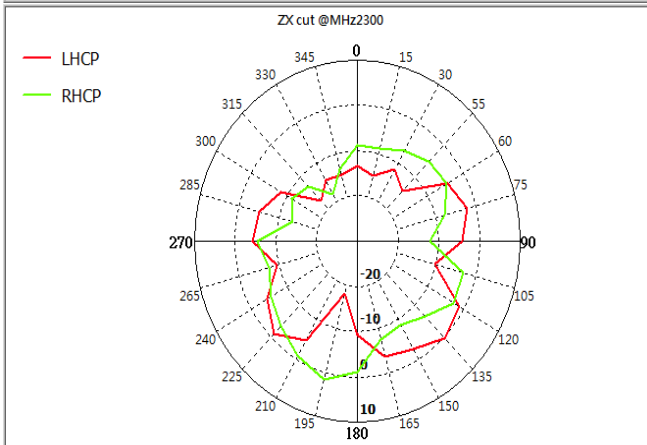
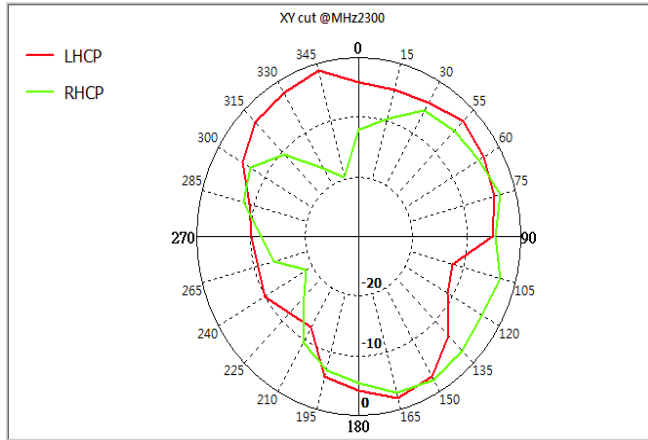
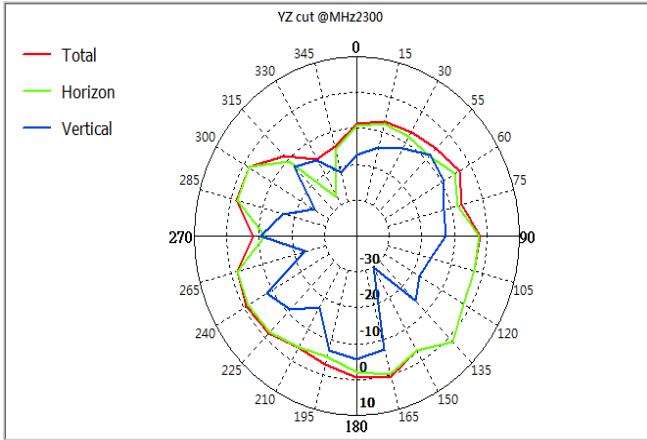
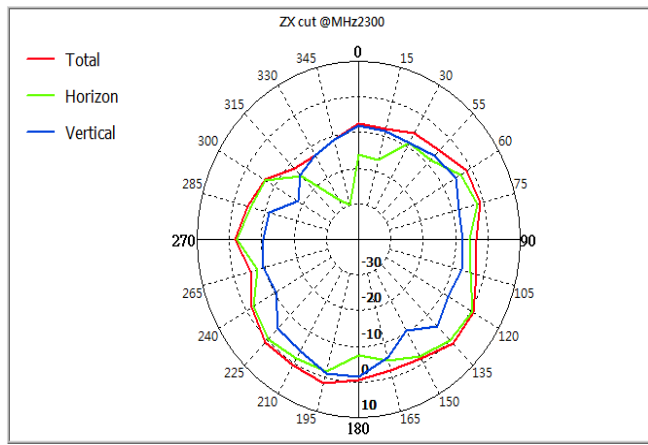
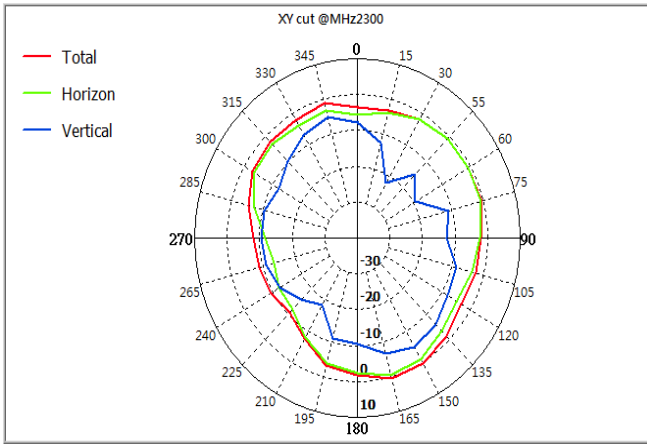


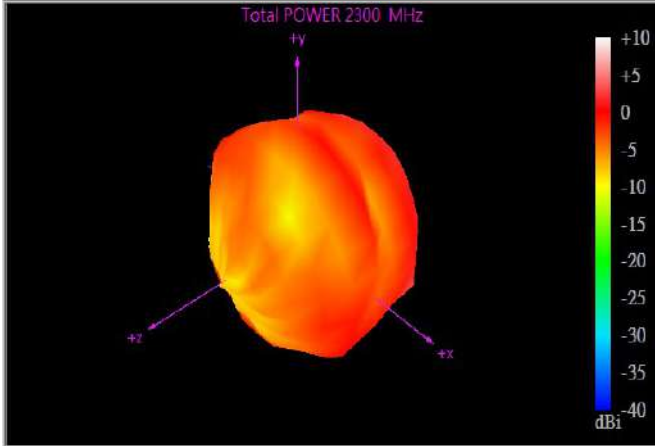
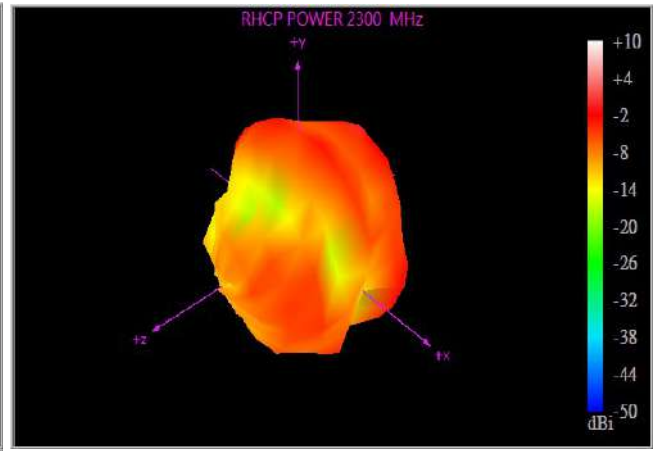
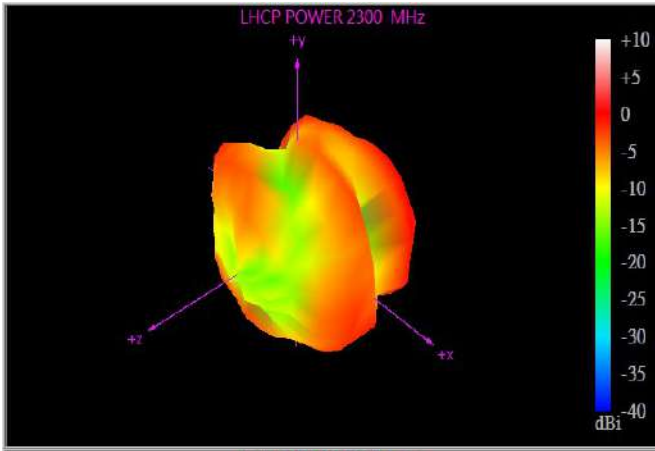
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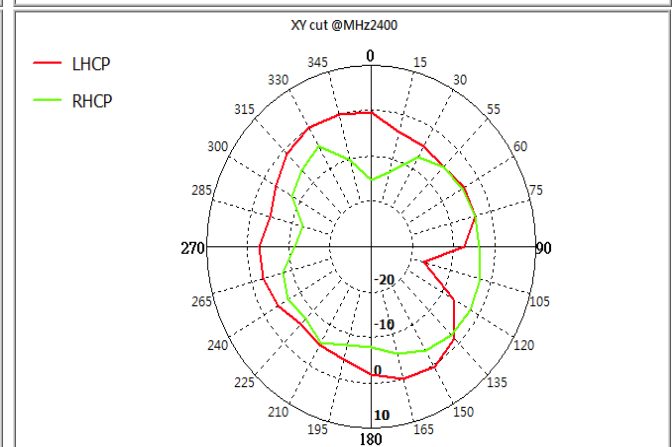
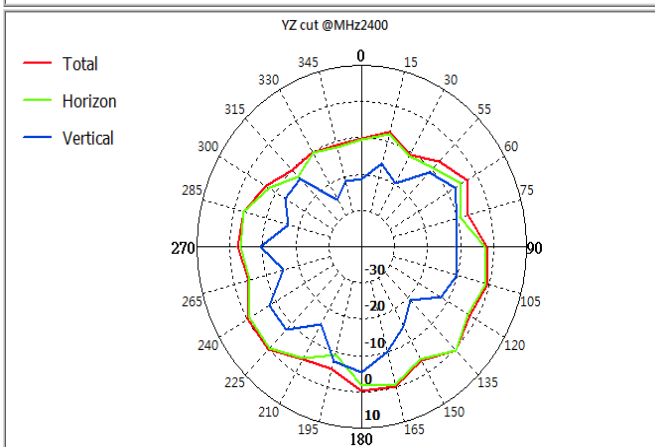
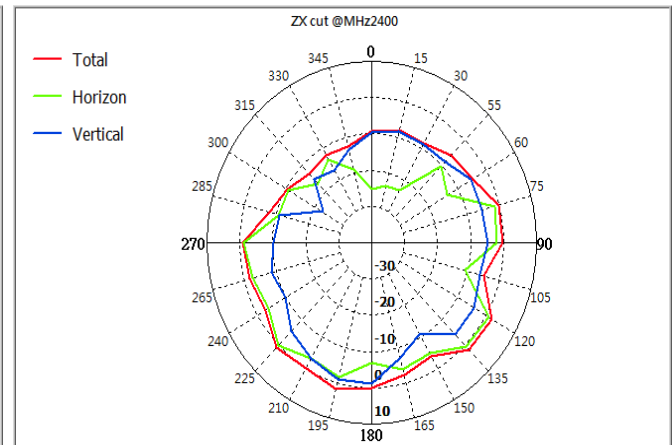
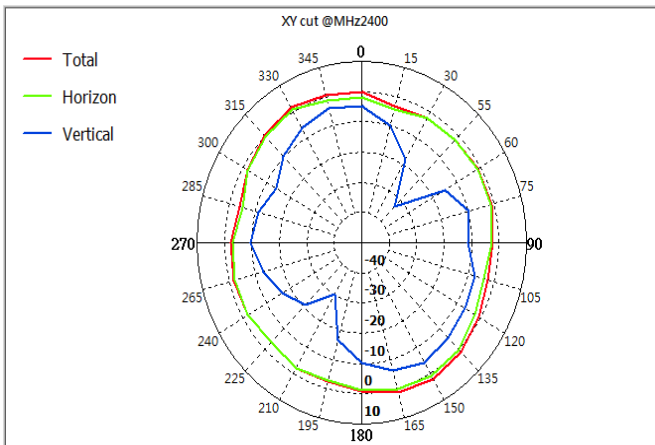


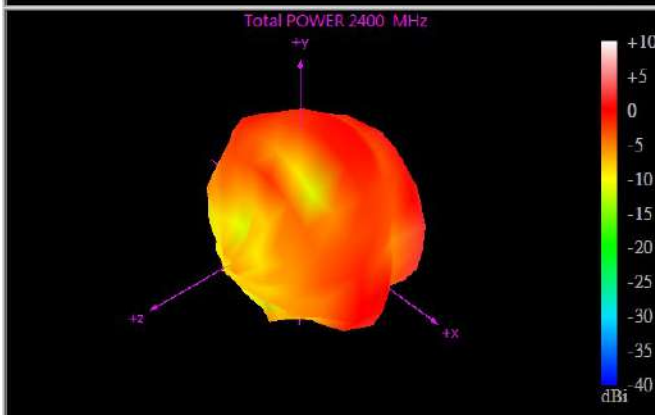
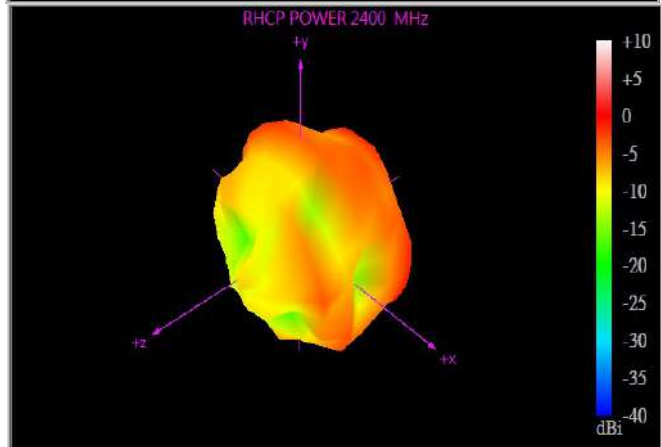
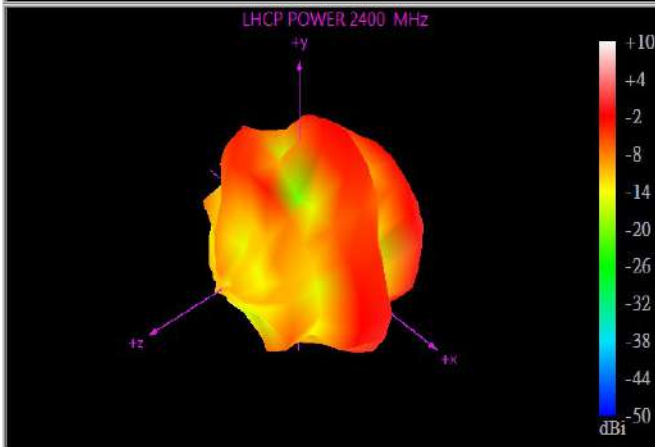
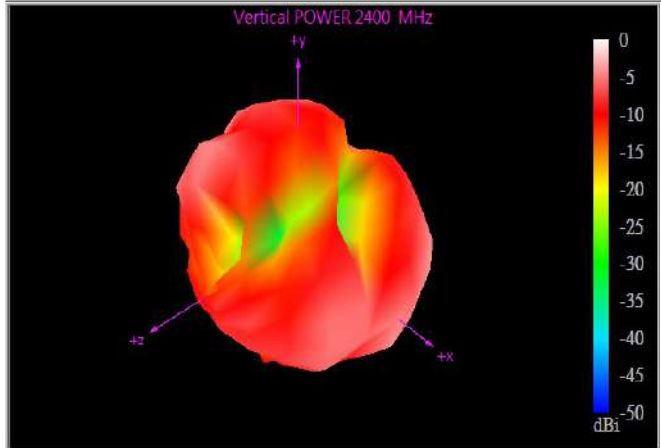
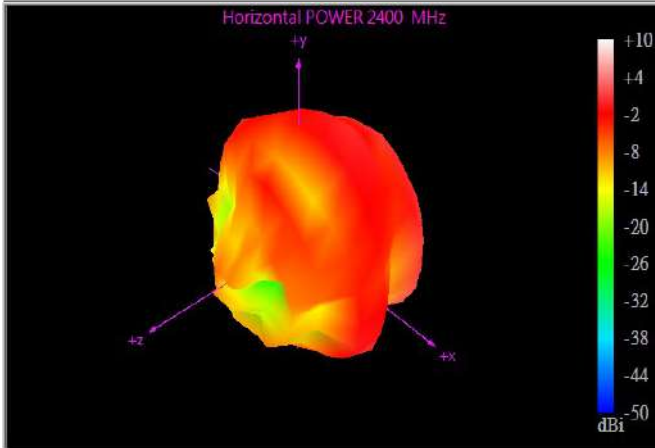
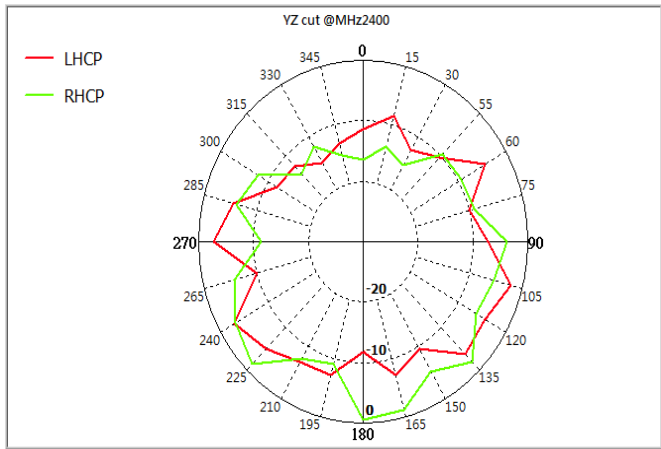
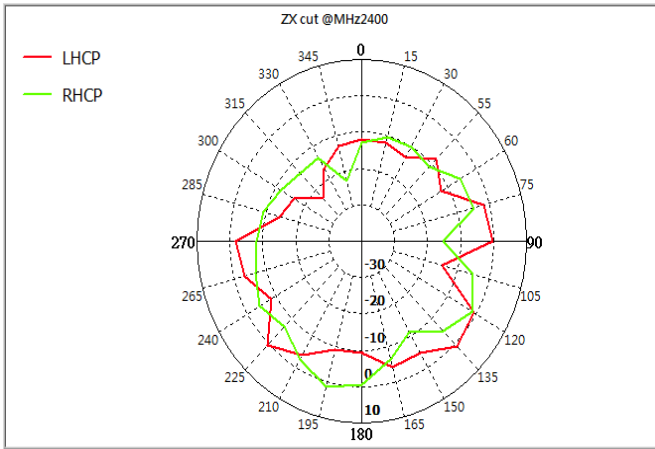
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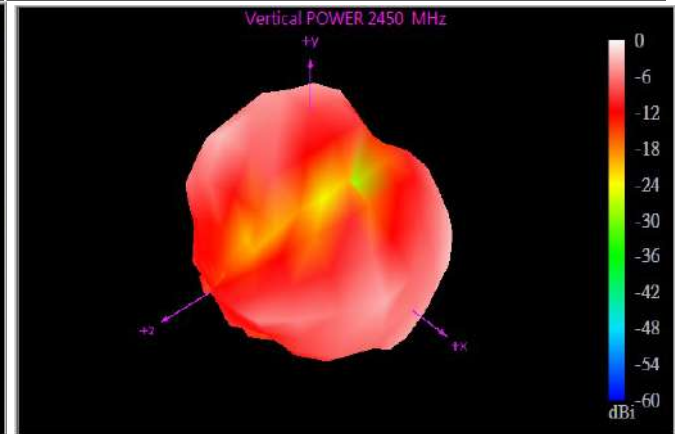
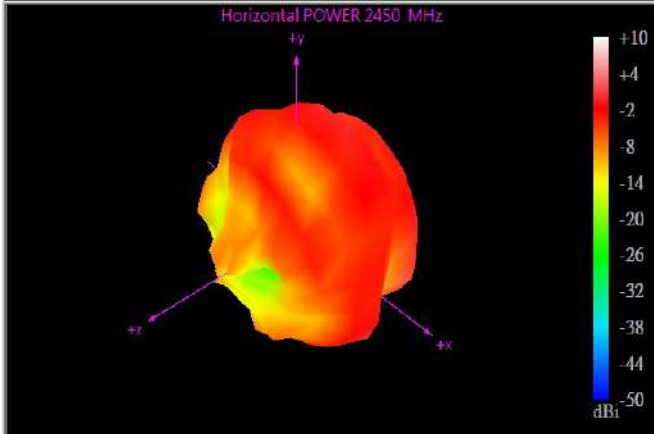
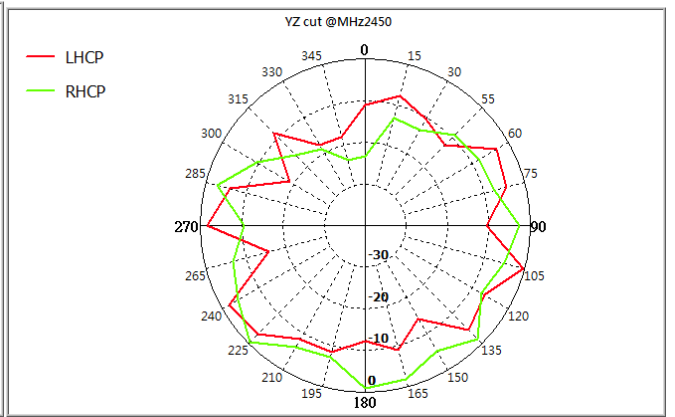
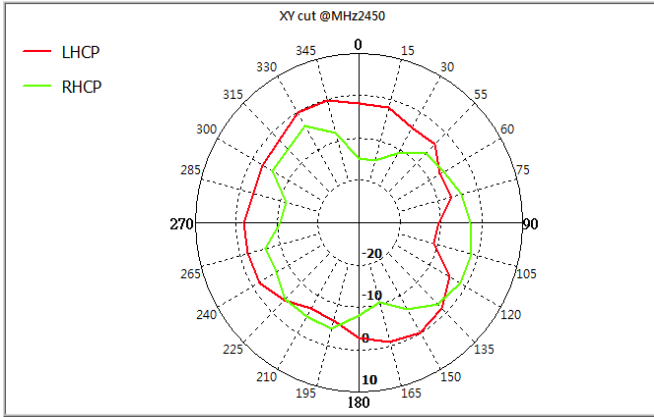
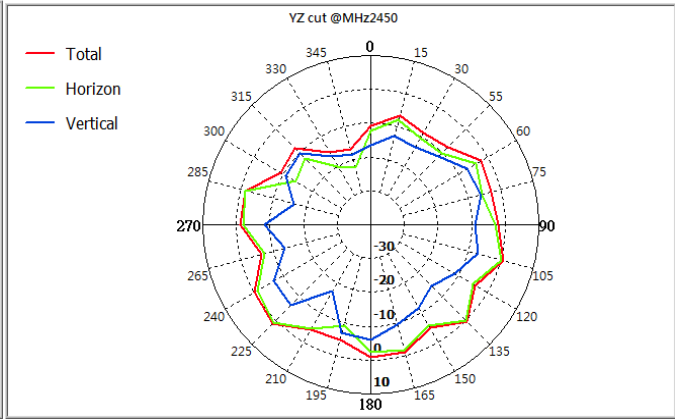
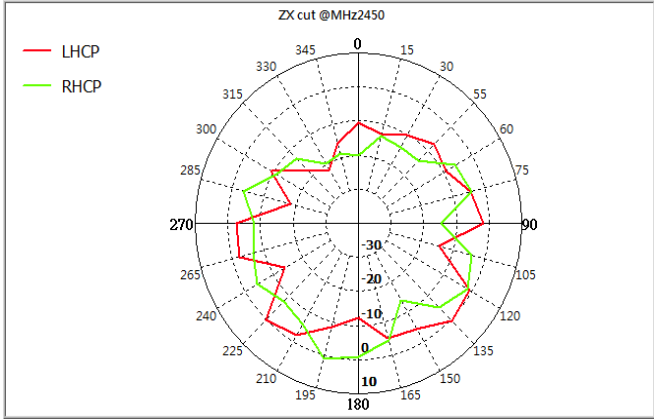
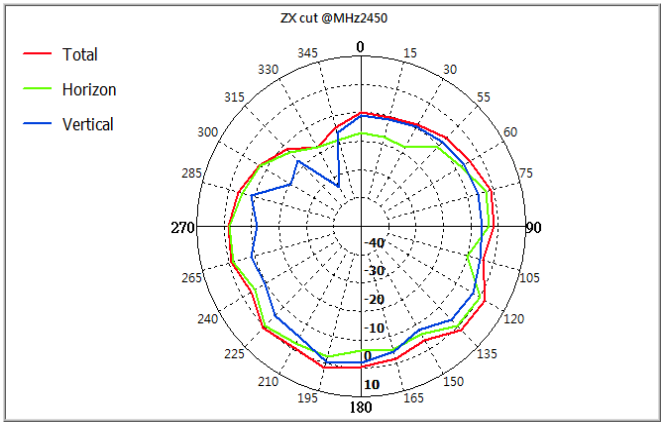
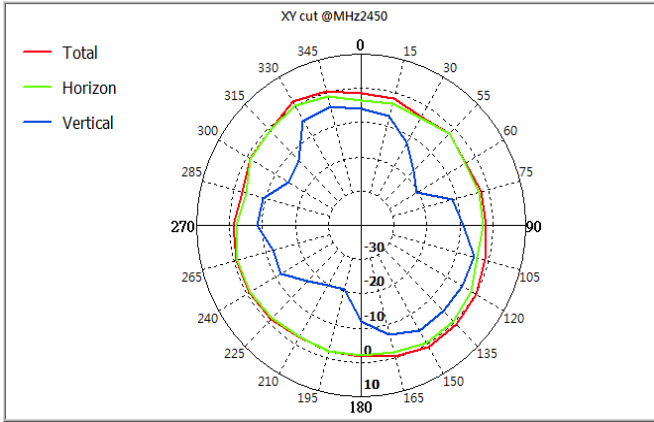


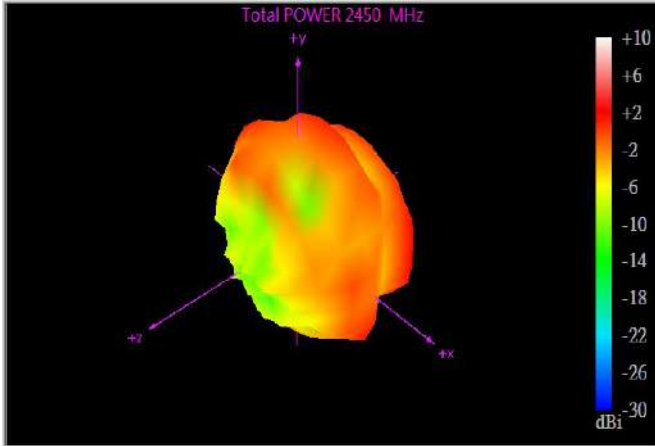
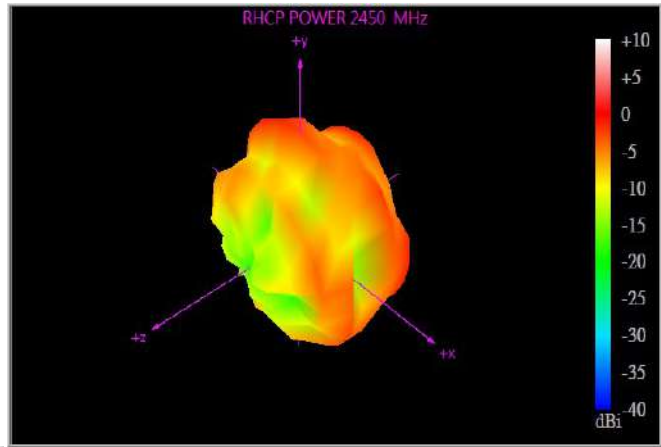
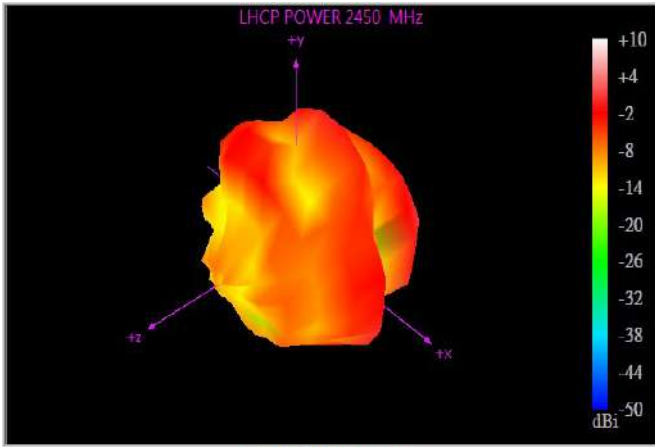
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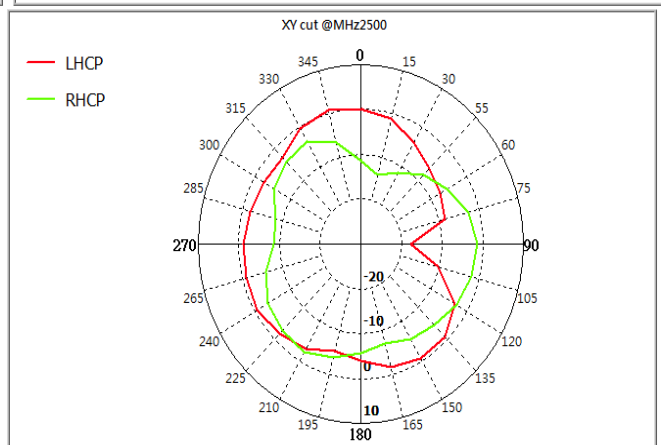
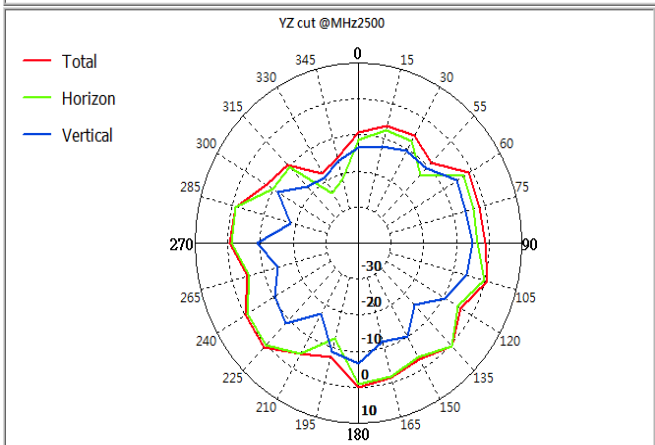
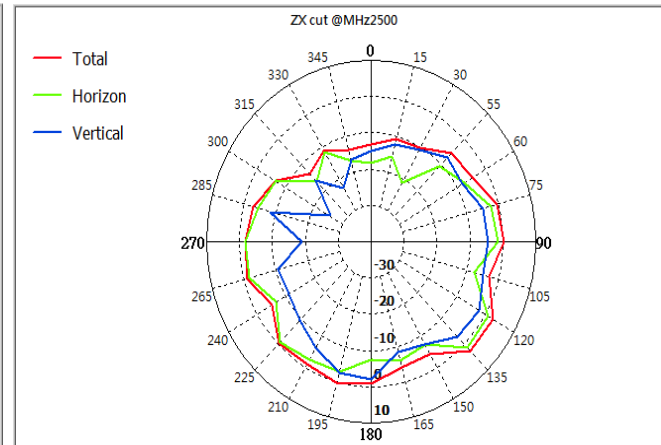
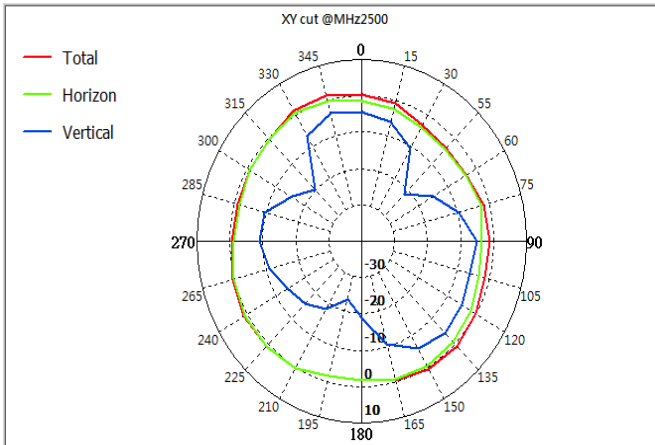


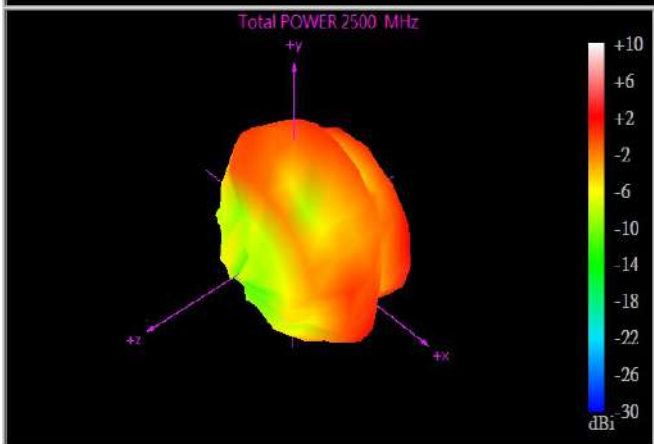
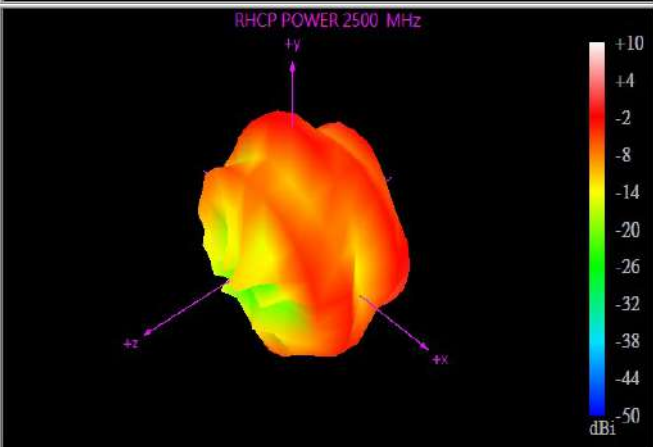
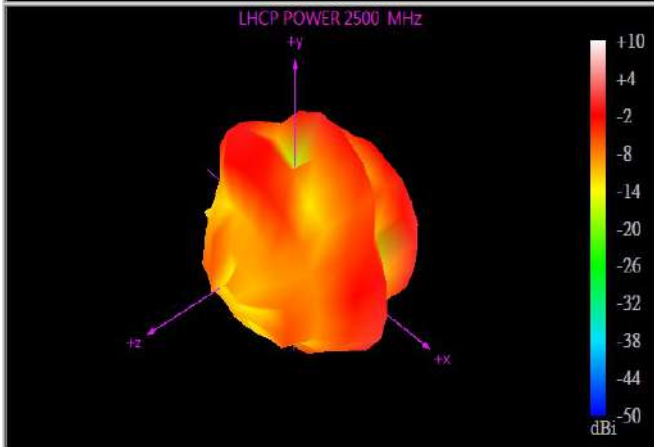
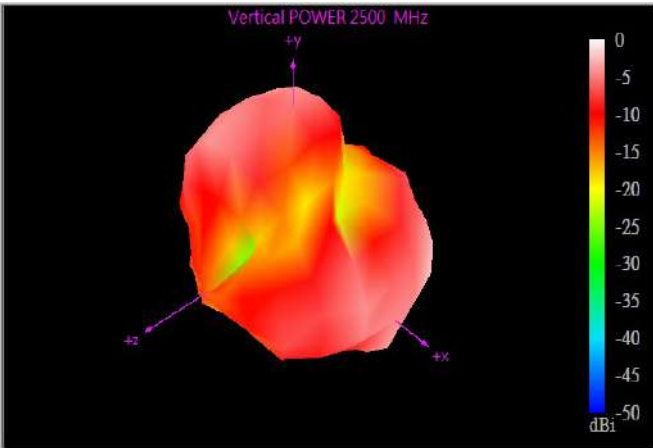
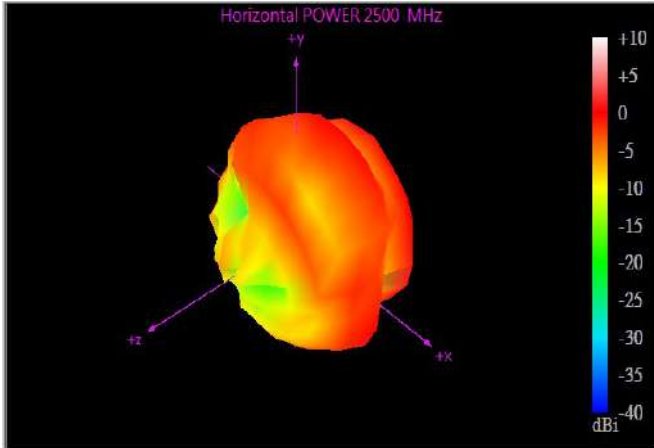
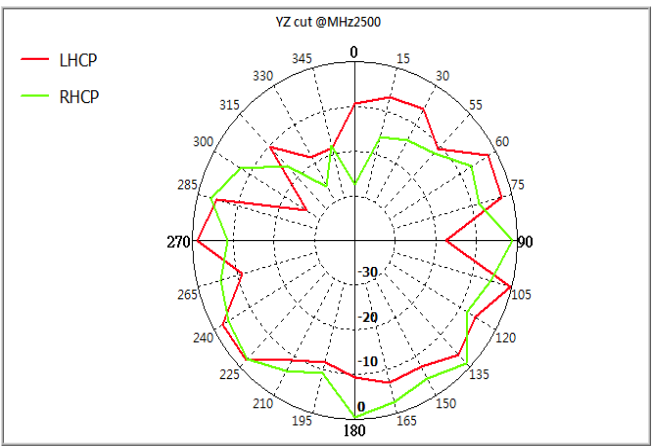
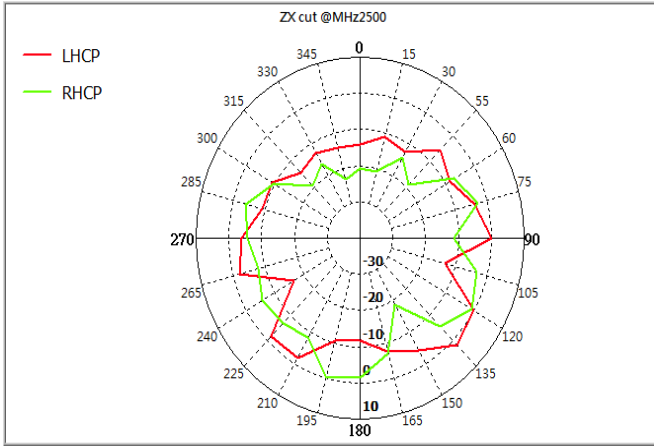
2450Mhz:





2500MHz:





2700MHz:

