

# L & S Band Omni Antenna

## Model : TH-1425



### 1.. GENERAL DESCRIPTION

P/N
TH-1425-N(M)

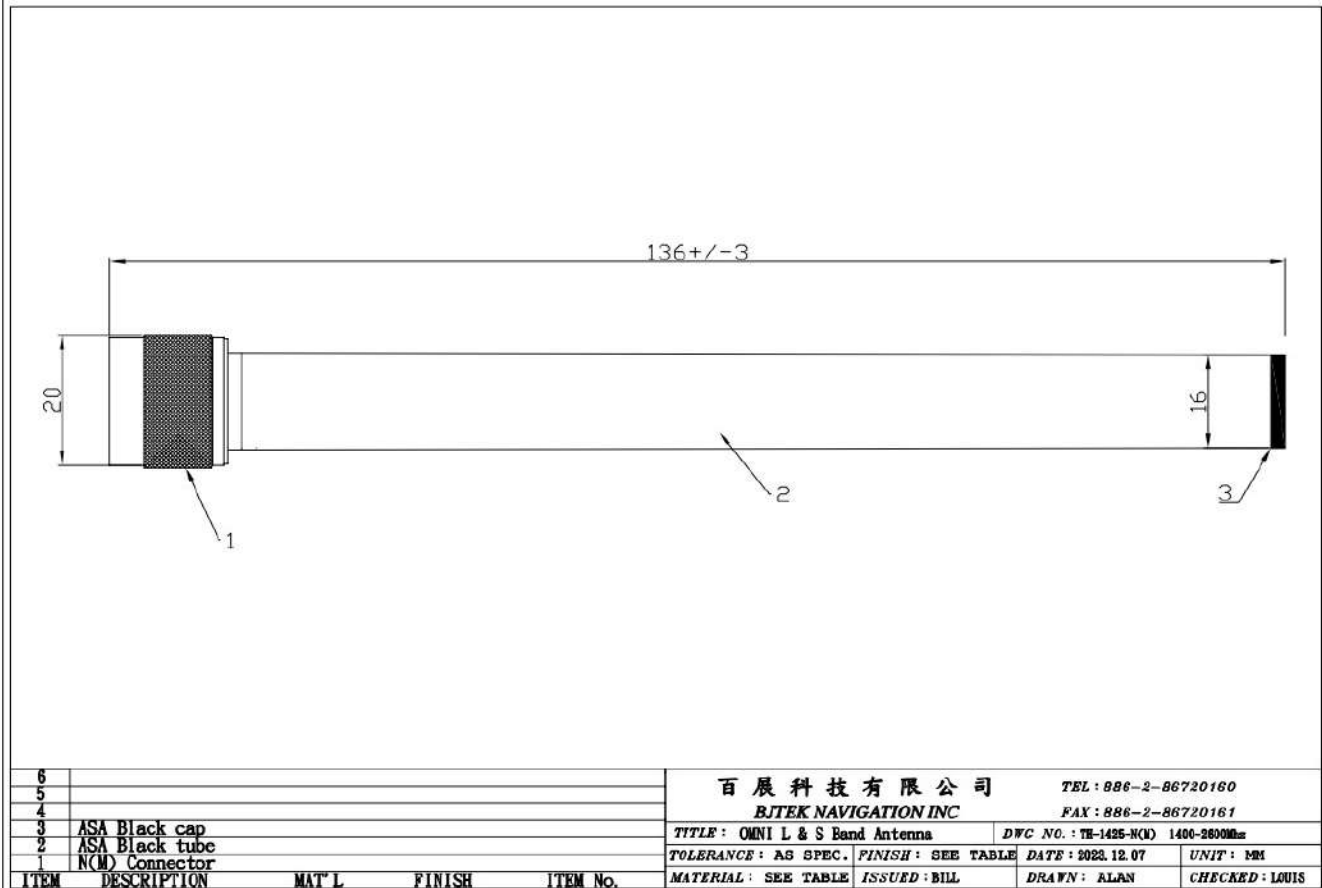
### 1.1 Electrical Properties

Parameter	Description
Frequency Band	1350~1500 & 2200~2500MHz
Nominal Impedance	50 ohm
Polarization	Vertical
V.S.W.R	2.0:1
Power	10W
Gain	1.5db

### 1.2 Mechanical Properties

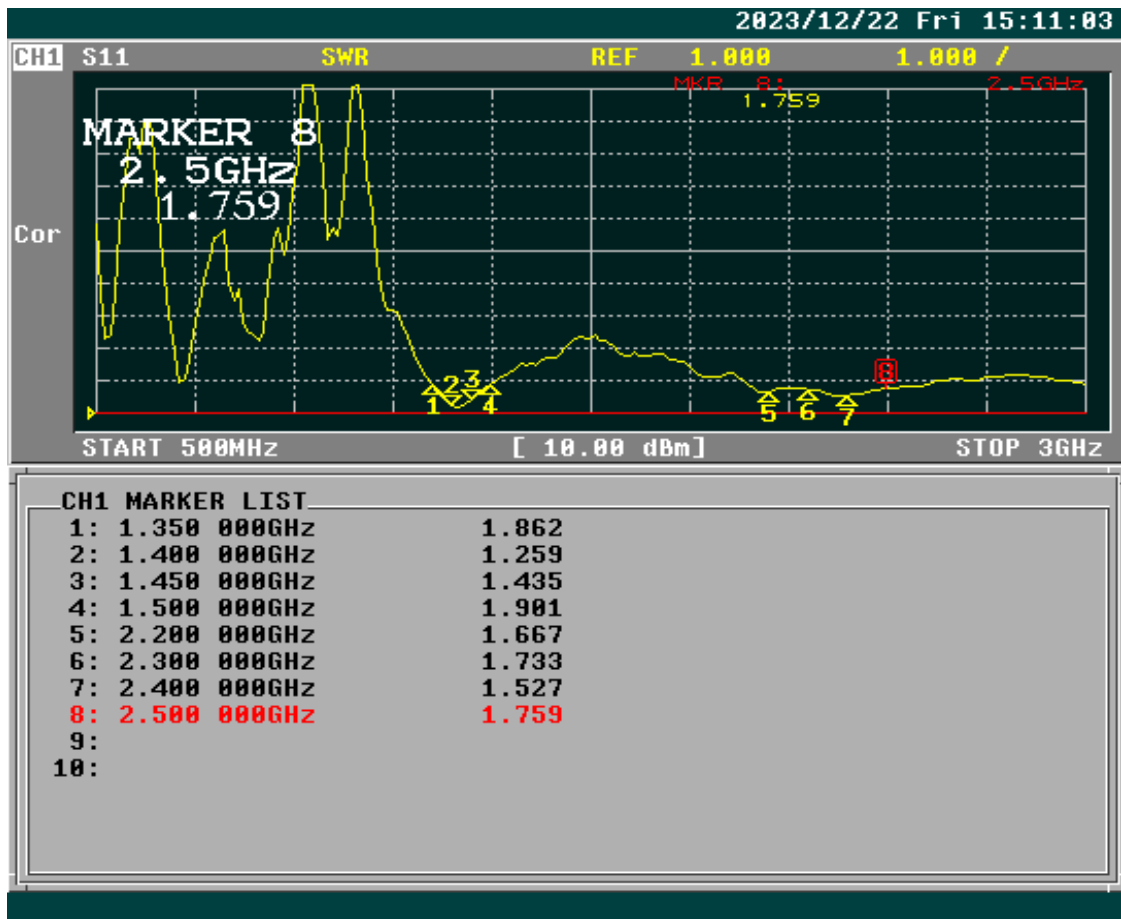
Parameter	Description
Antenna Type	External Antenna
Material	ASA
Touch Type	Screw Type
Connector Type	N Connector (Male)
Antenna Dimensions	136mm $\pm$ 3
Antenna Color	Black
Operating Temperature Range	-45°C~+85°C
Storage Temperature Range	-45°C~+85°C

## 2. Appearance



## 3. Return Loss, V.S.W.R. and Smith Chart





ACTIVATE MARKER

MARKER 6

MARKER 7

MARKER 8

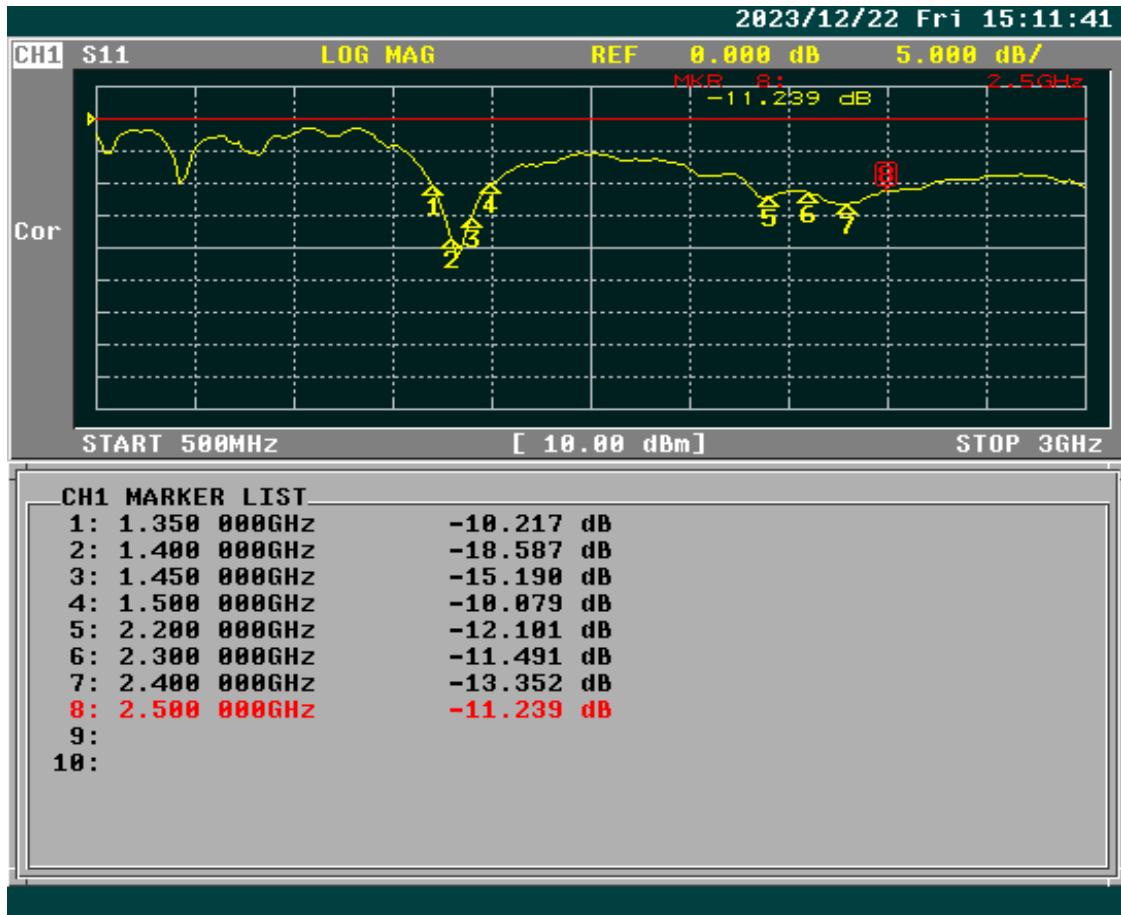
MARKER 9

MARKER 10

ACTIVATE MKR OFF

Return

More 2/2



FORMAT

LOG MAG

PHASE

DELAY

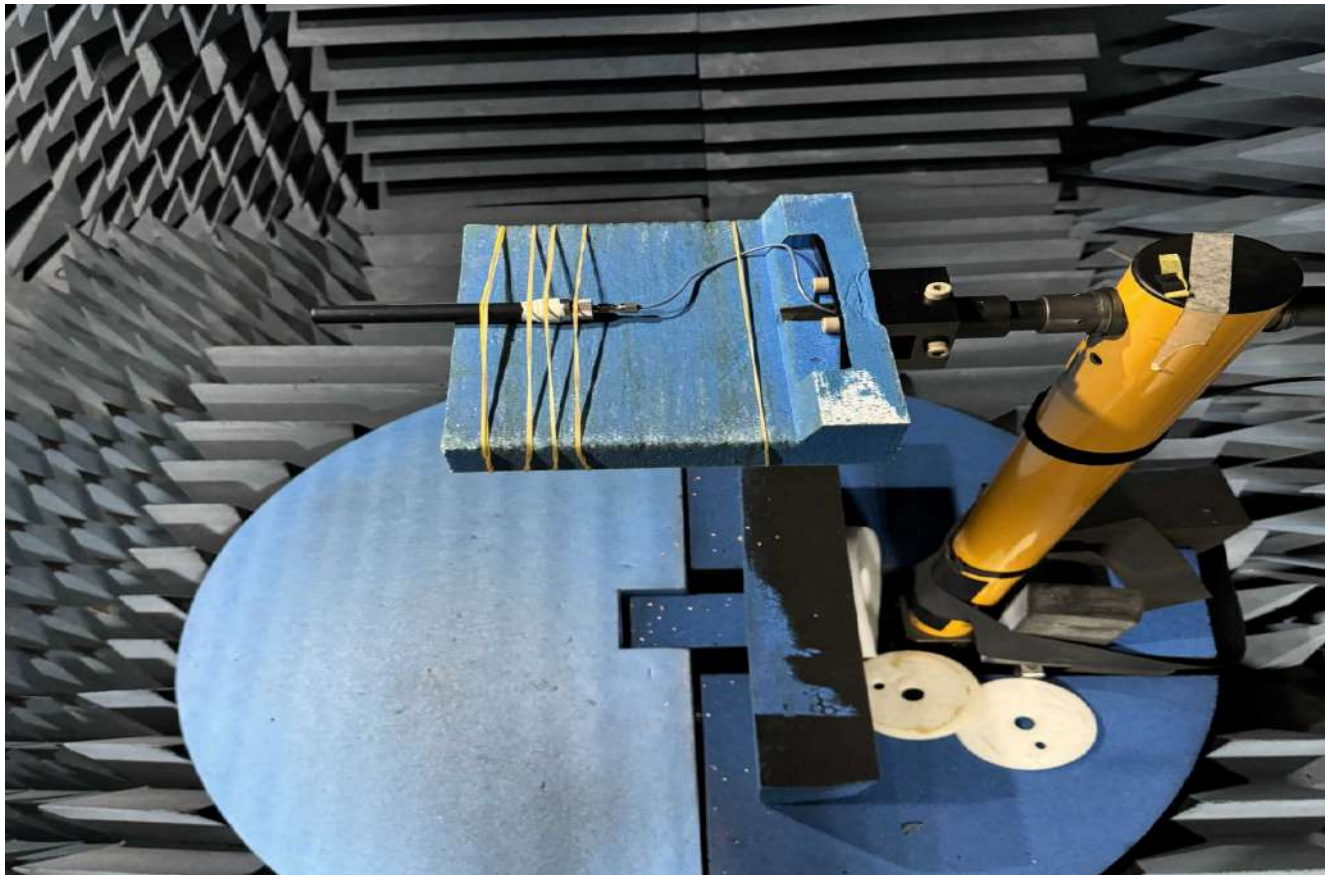
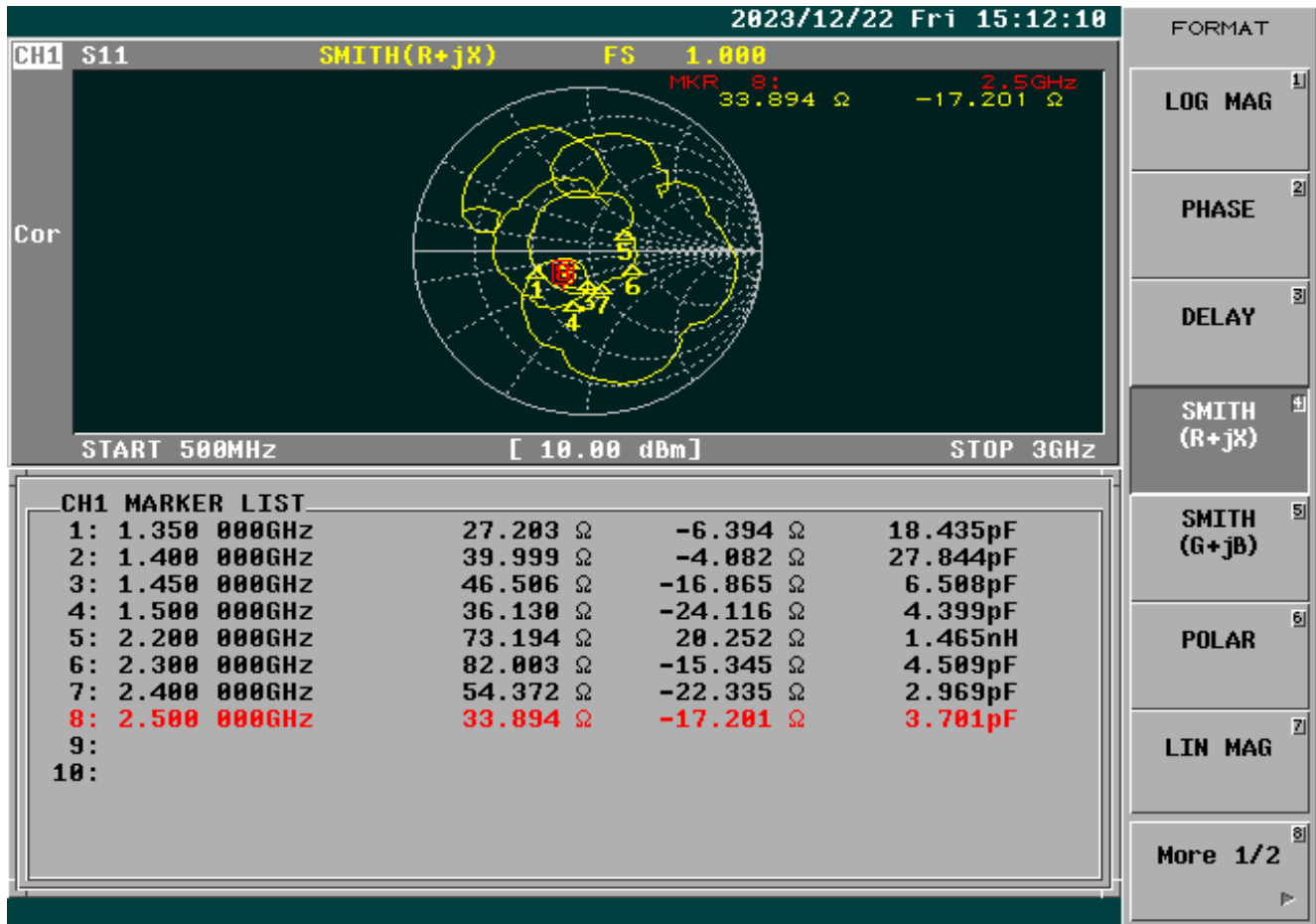
SMITH (R+jX)

SMITH (G+jB)

POLAR

LIN MAG

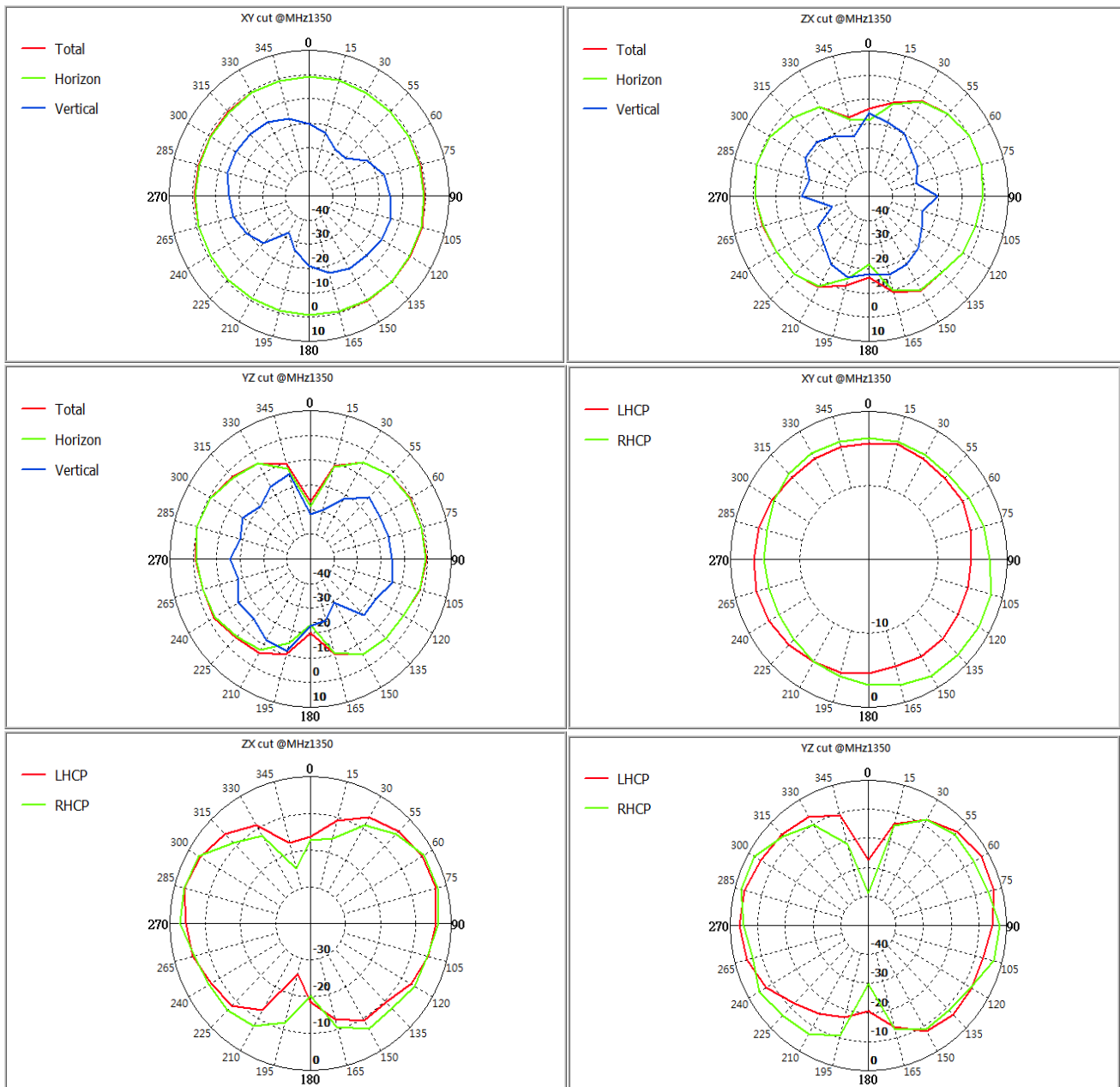
More 1/2

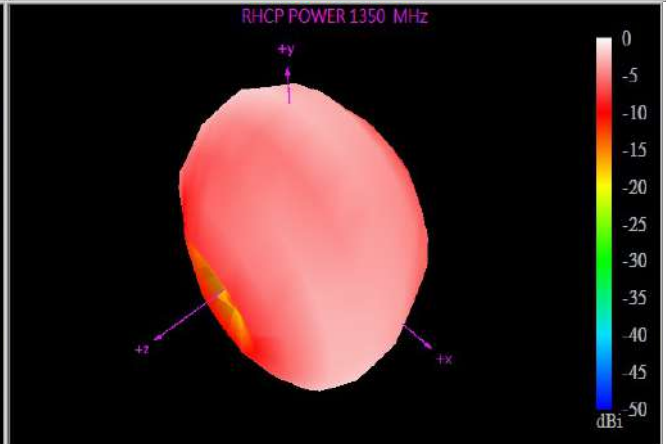
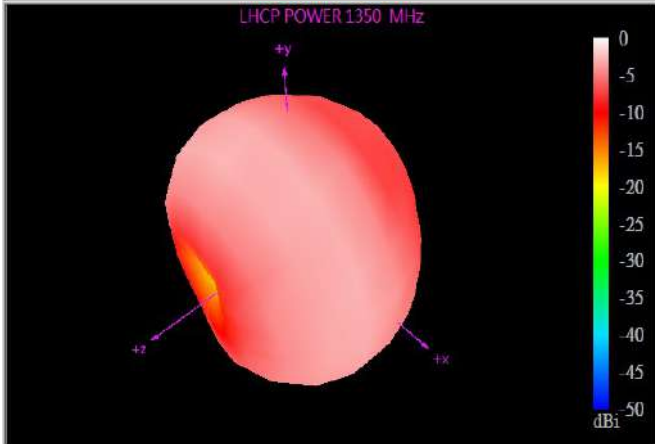
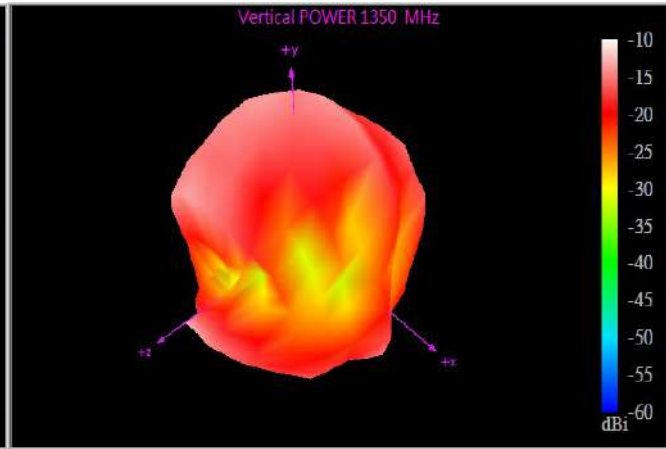
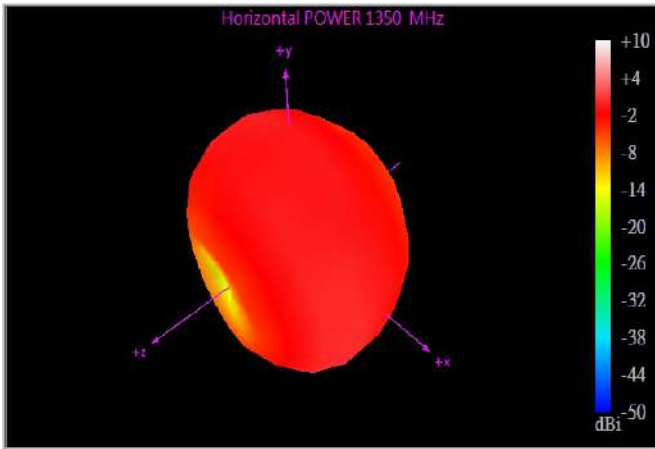


### 3D Total

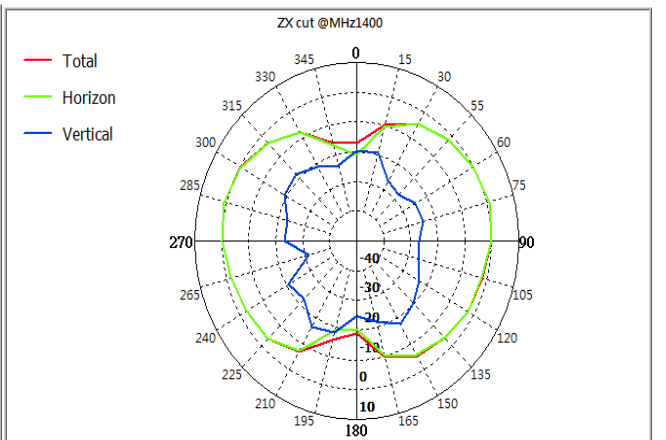
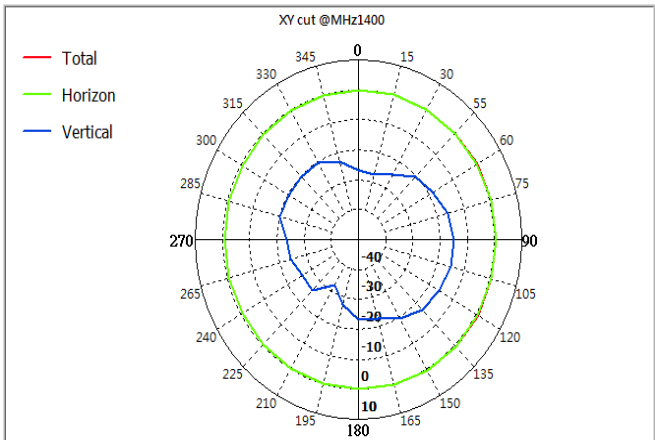
Frequency (MHz)	Upper Hem. PRP (dBm)	Lower HEM. PRP (dBm)	Efficiency (dB)	Efficiency (%)	Gain (dBi)	Tot. Rad.Pwr. (dBm)
1350 MHz	-4.90	-6.66	-2.68	53.90	0.44	-2.68
1400 MHz	-4.45	-6.01	-2.15	60.96	1.18	-2.15
1450 MHz	-5.22	-6.34	-2.73	53.33	0.21	-2.73
1500 MHz	-5.56	-6.01	-2.77	52.90	0.45	-2.77
2200 MHz	-5.78	-4.29	-1.96	63.64	1.79	-1.96
2300 MHz	-6.66	-4.98	-2.73	53.39	1.39	-2.73
2400 MHz	-5.25	-5.06	-2.15	60.99	1.22	-2.15
2450 MHz	-4.62	-5.09	-1.84	65.49	1.02	-1.84
2500 MHz	-4.46	-5.12	-1.77	66.55	0.80	-1.77
2600 MHz	-3.89	-5.05	-1.42	72.06	1.77	-1.42

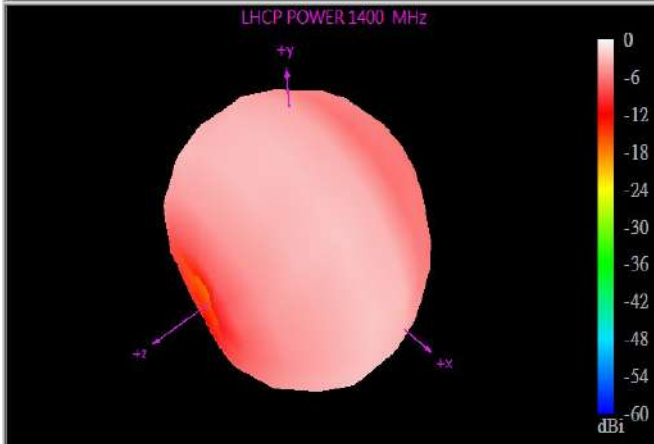
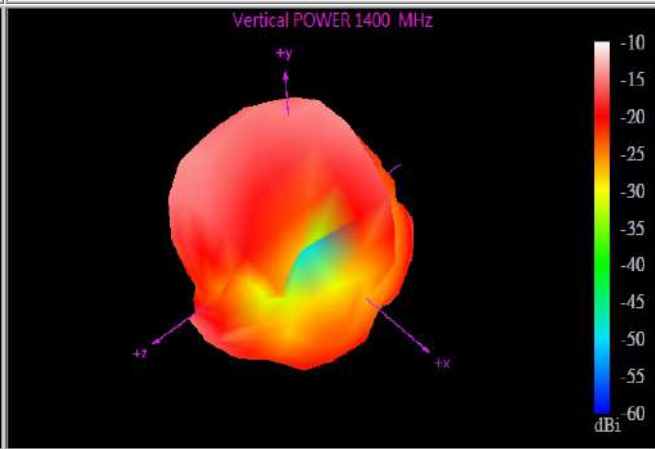
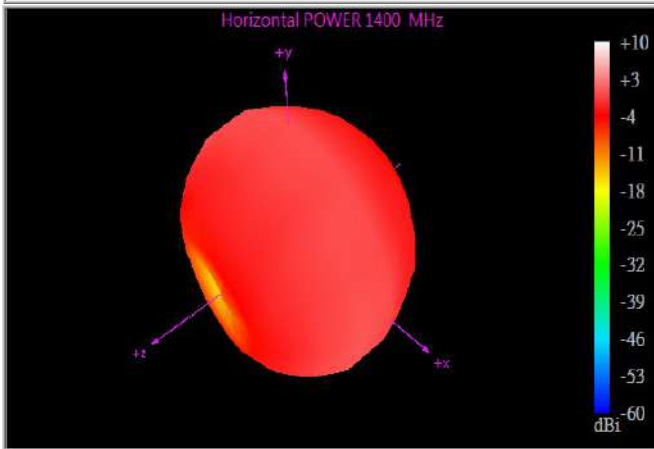
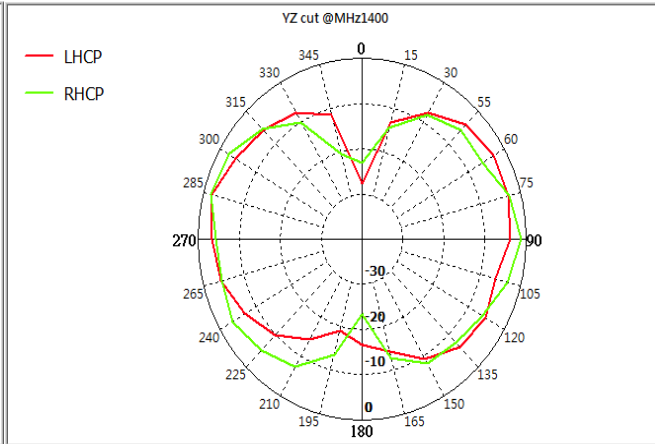
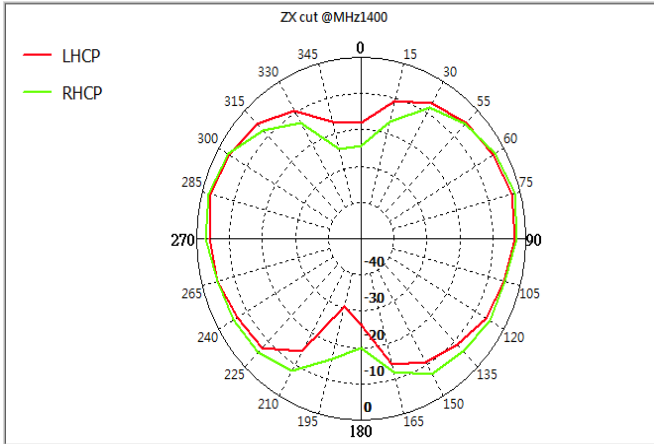
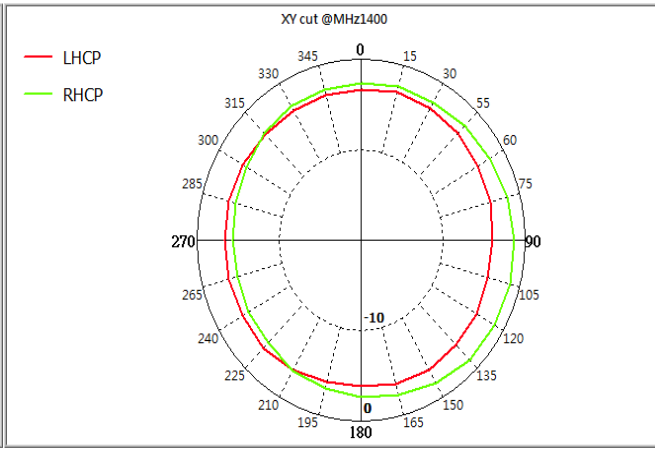
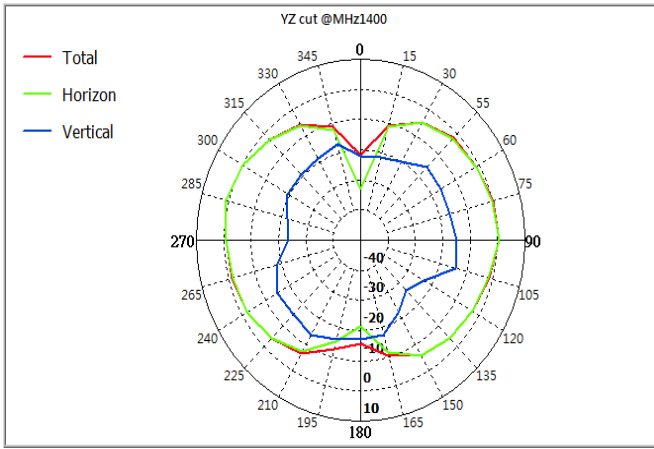
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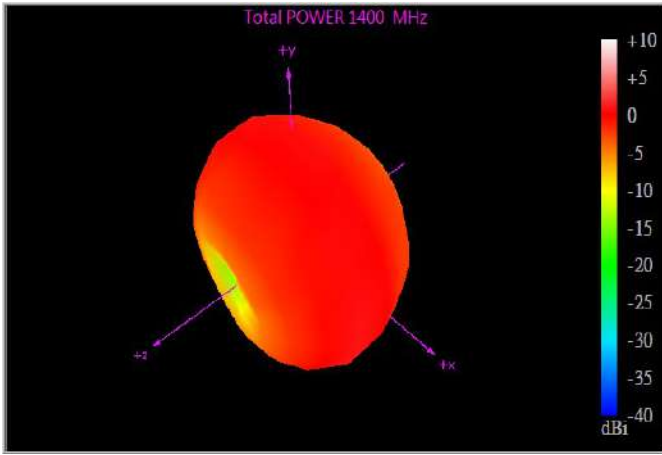




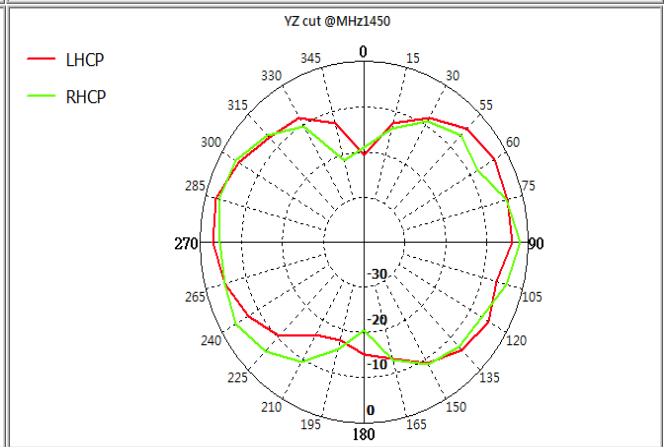
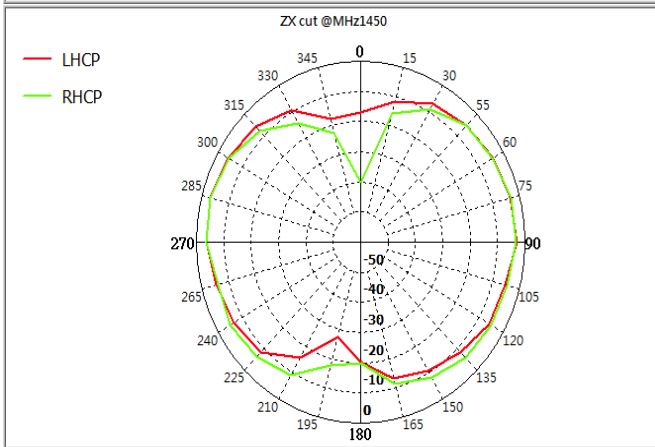
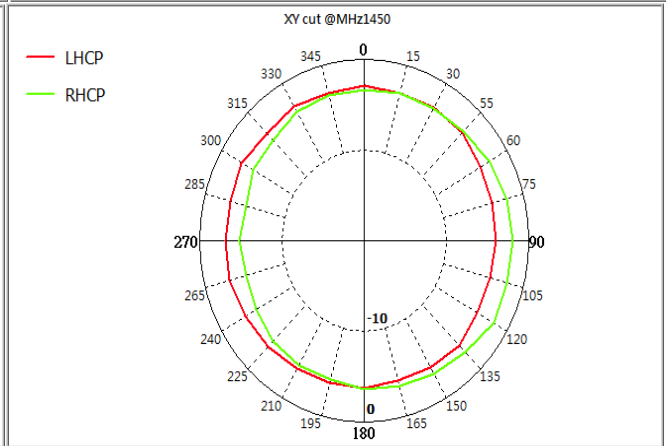
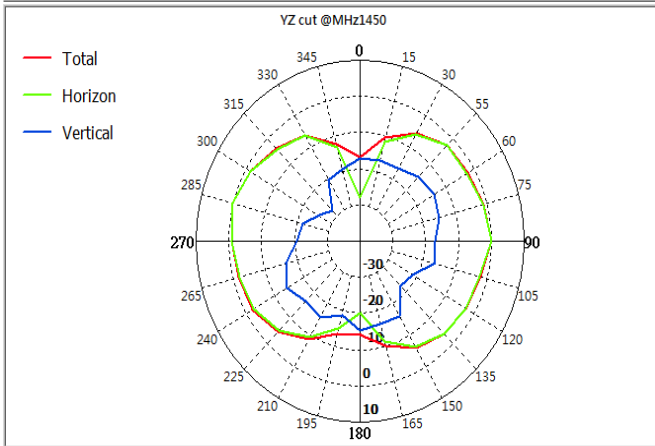
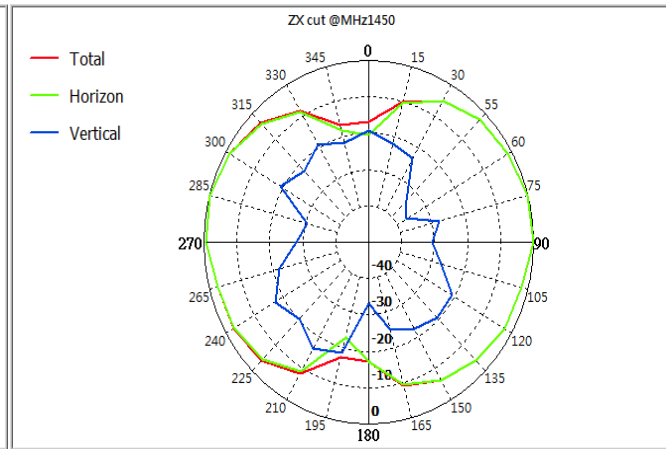
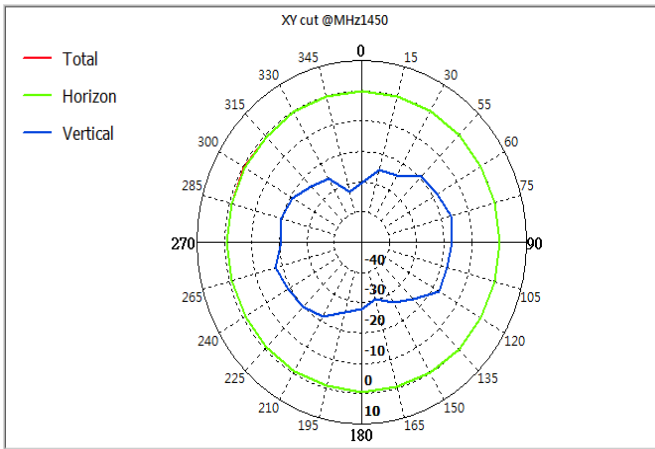
**1400Mhz:**



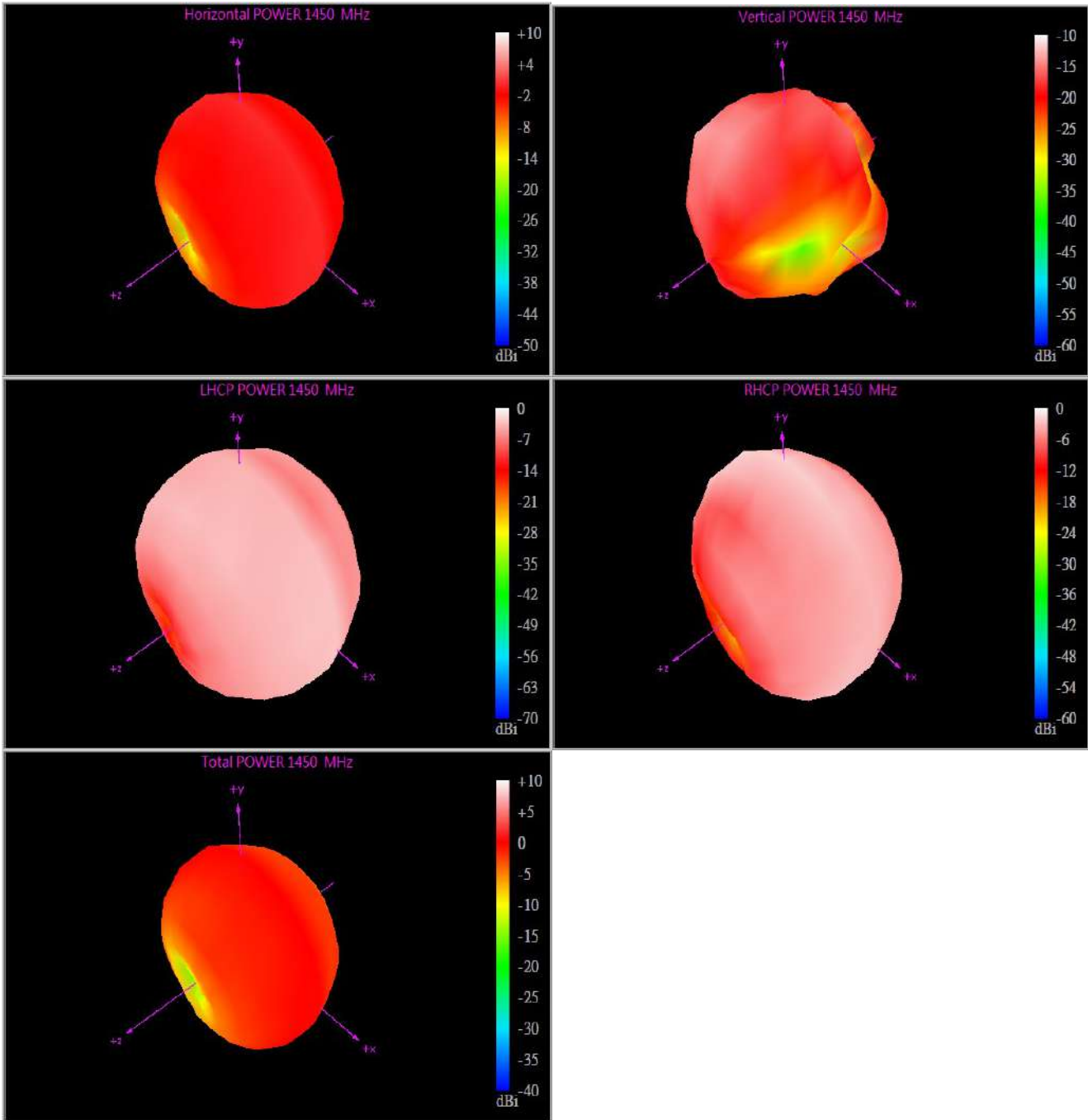




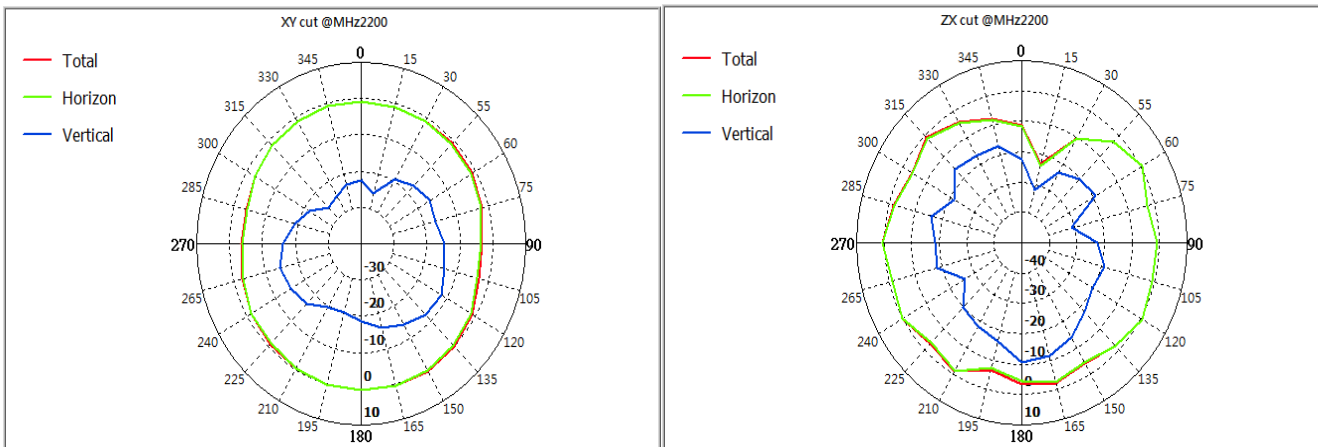
## 1450Mhz:

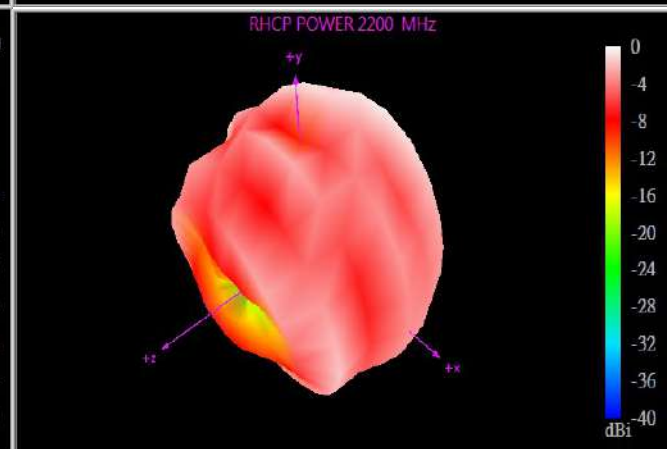
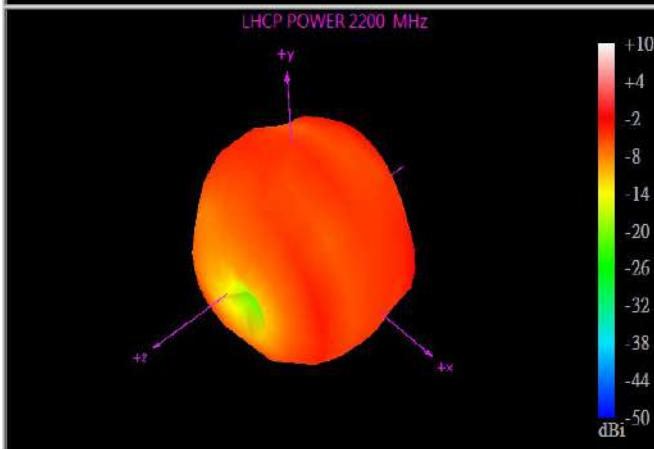
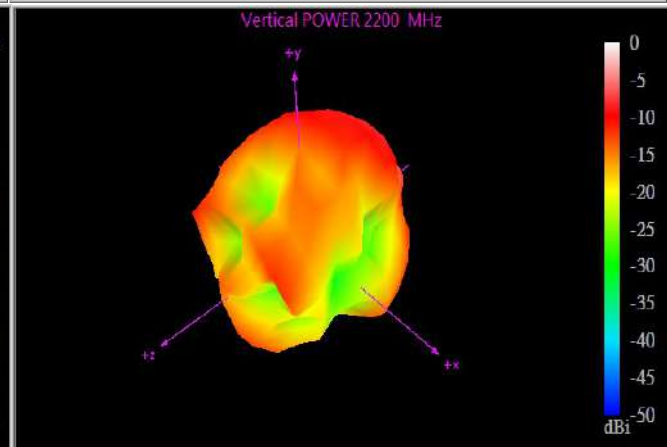
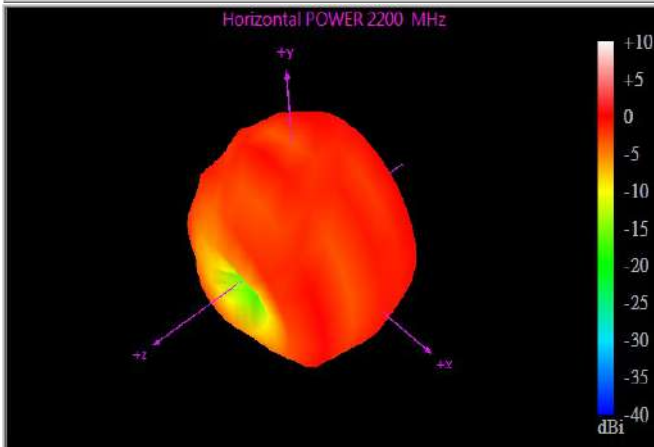
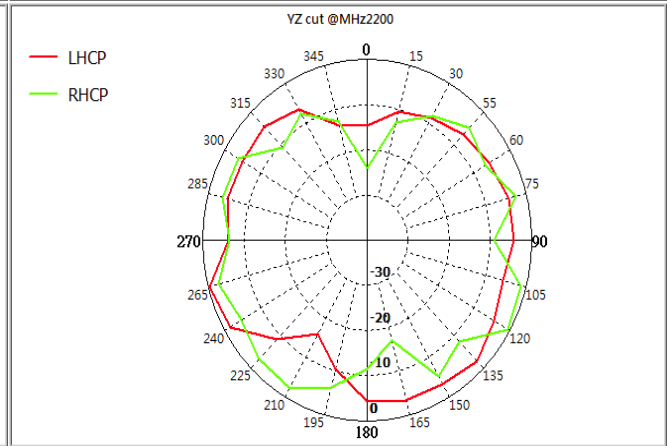
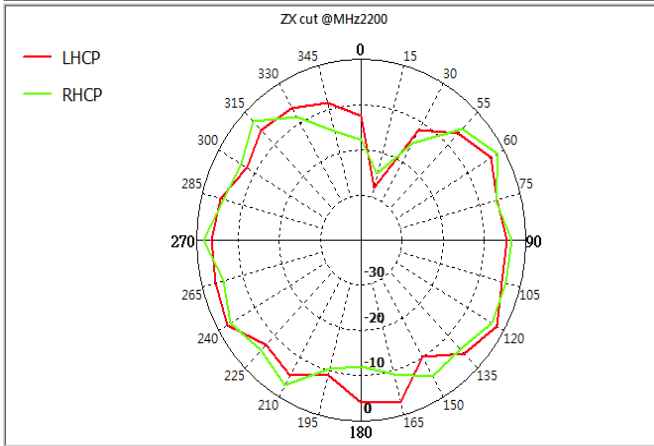
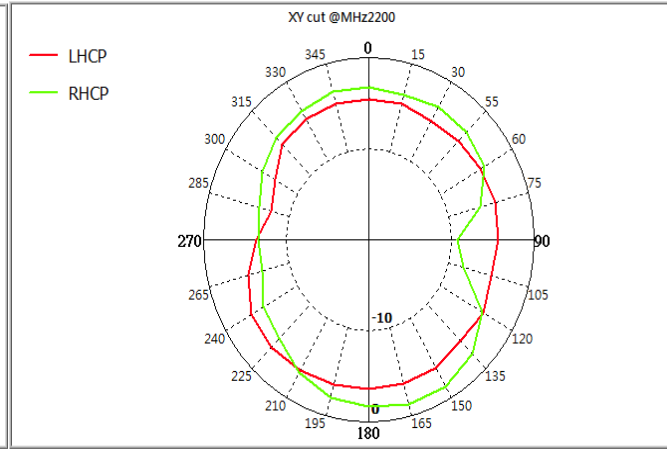
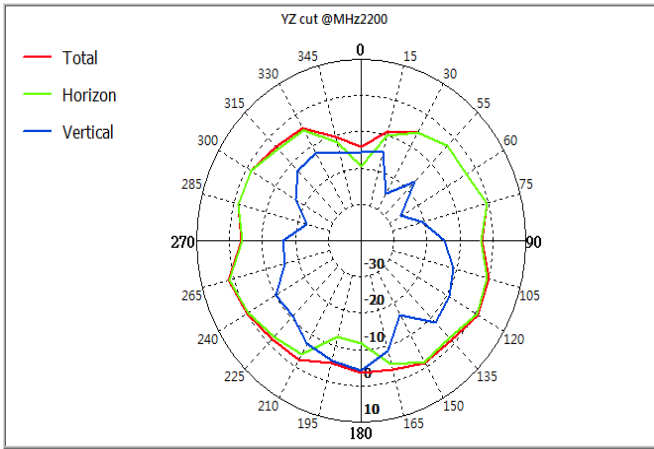


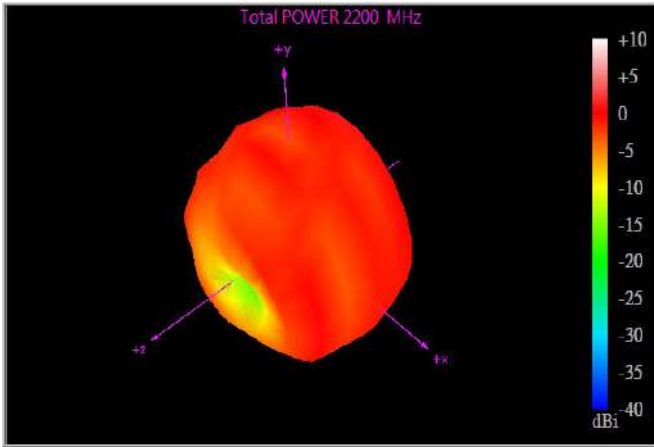




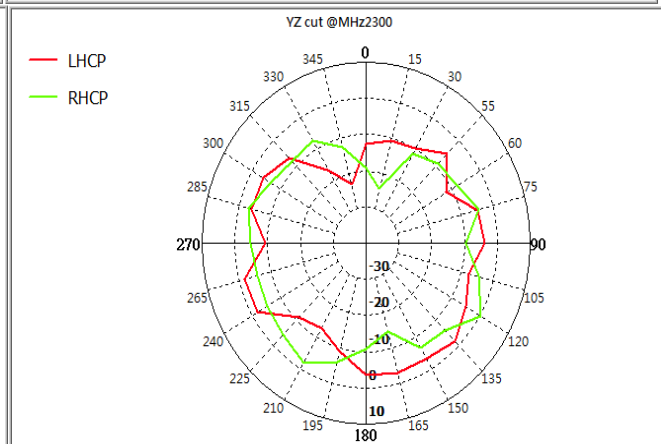
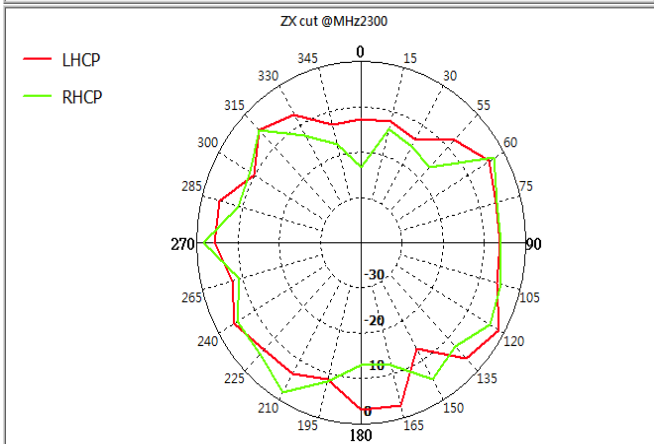
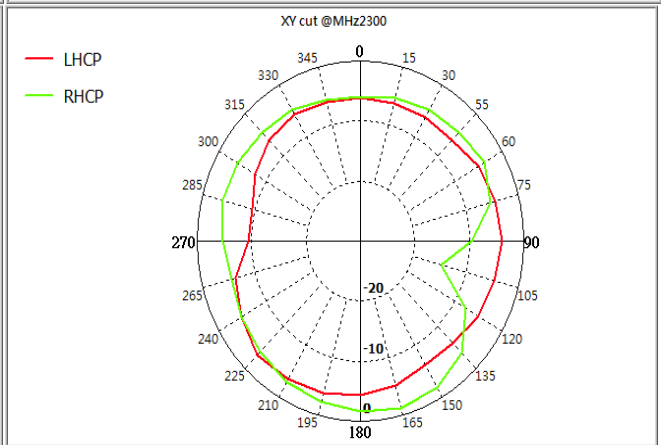
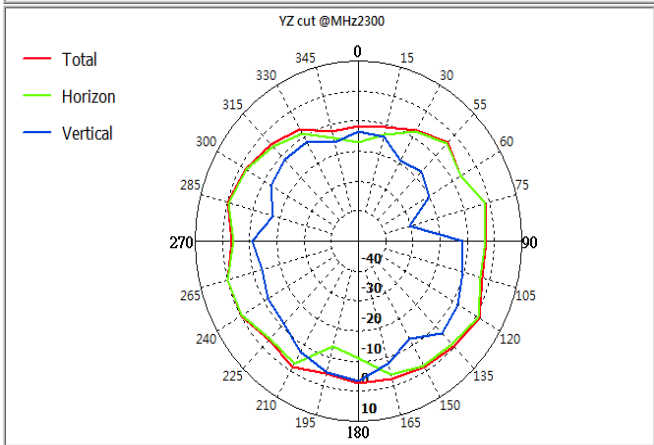
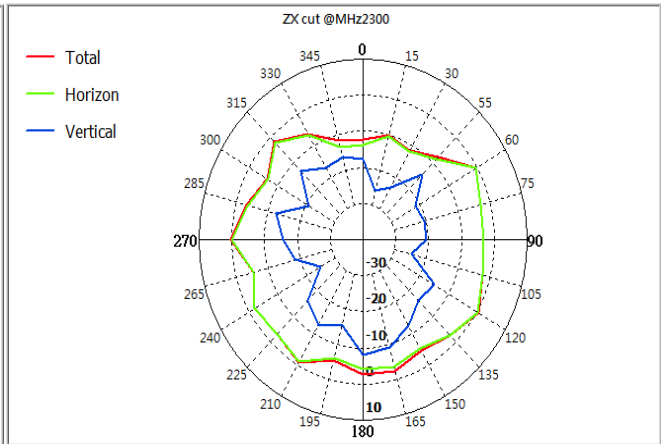
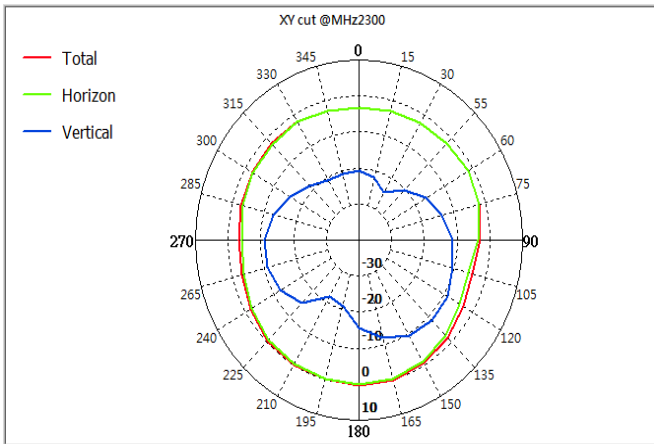
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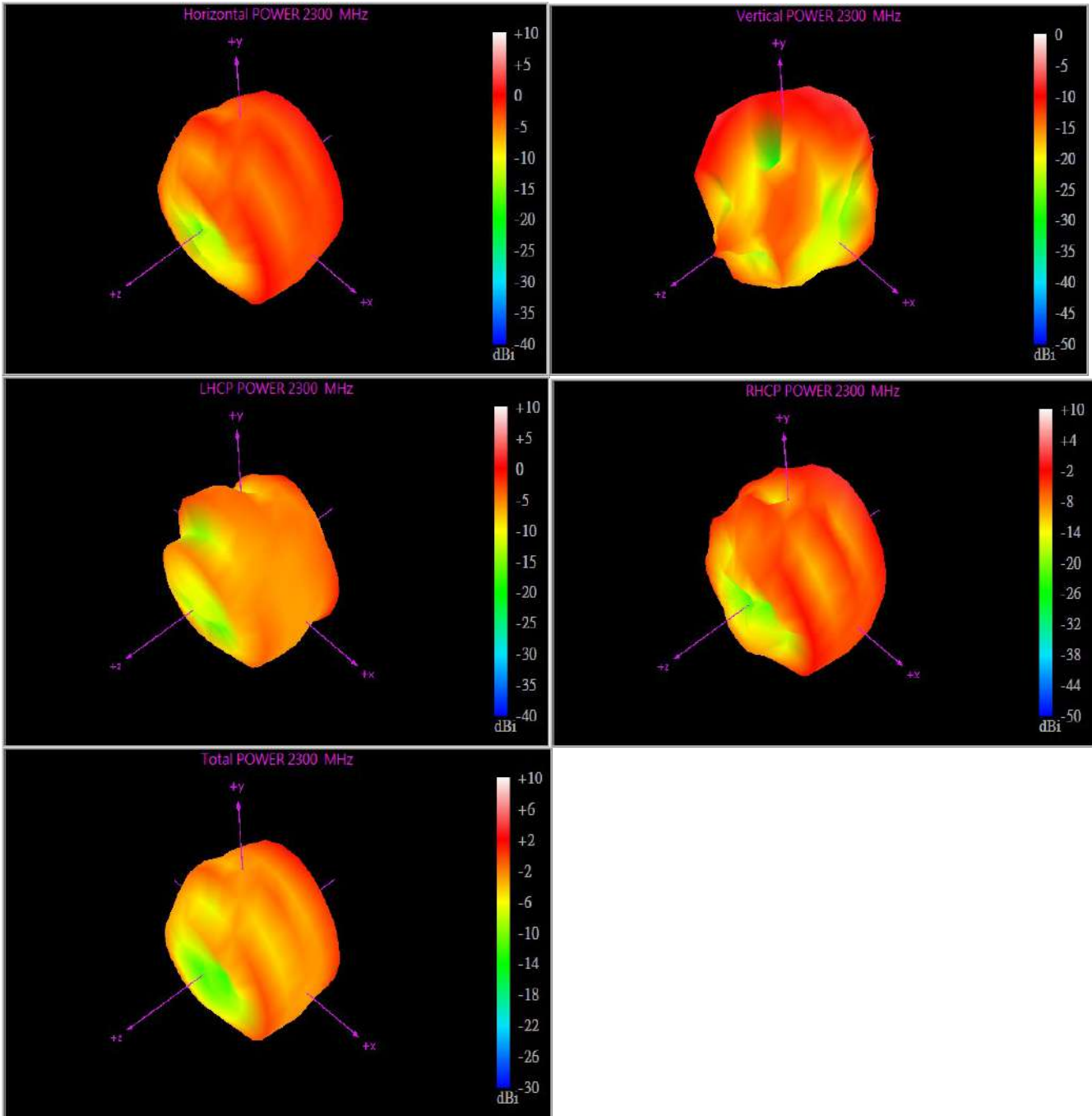




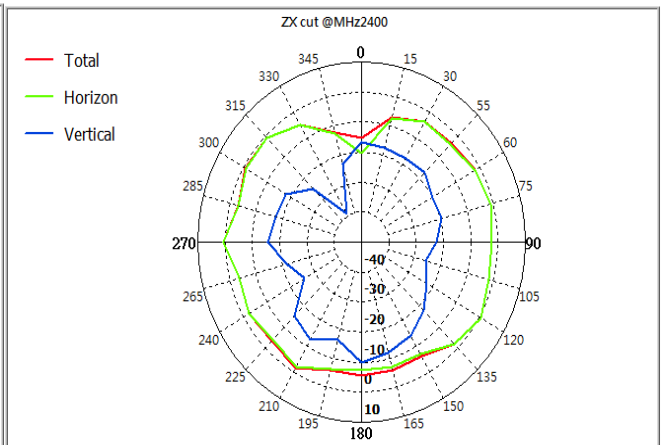
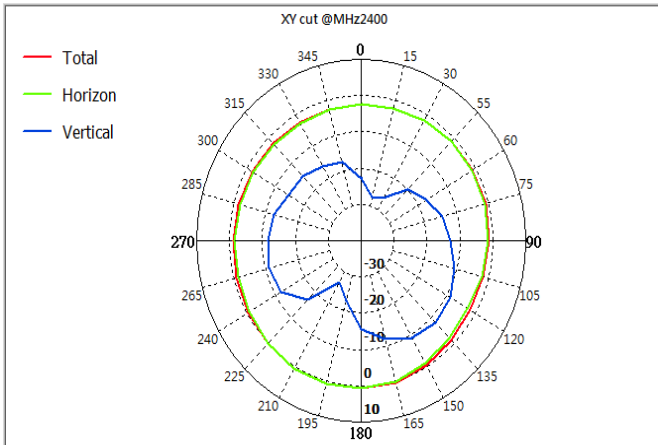


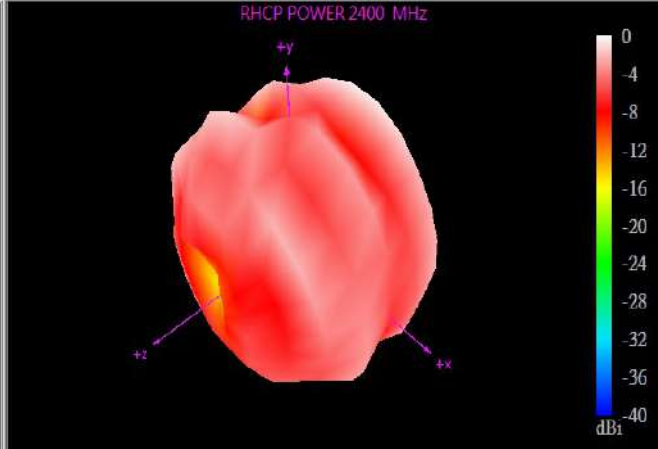
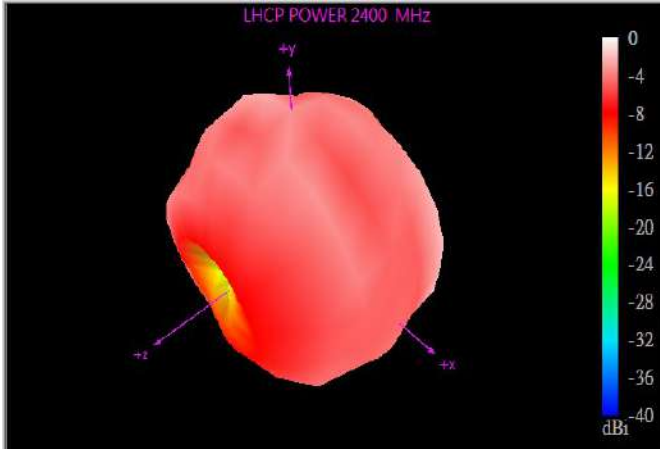
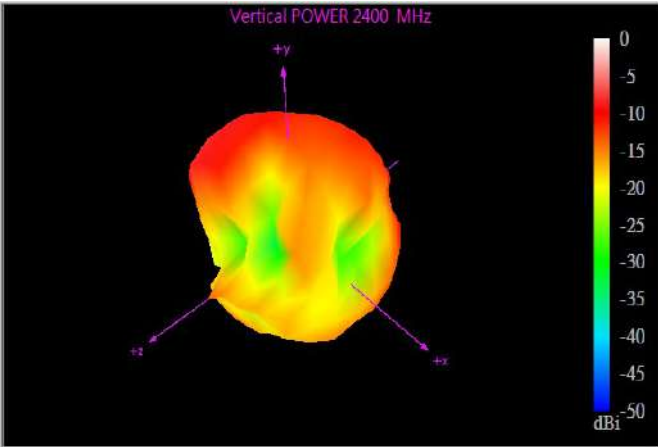
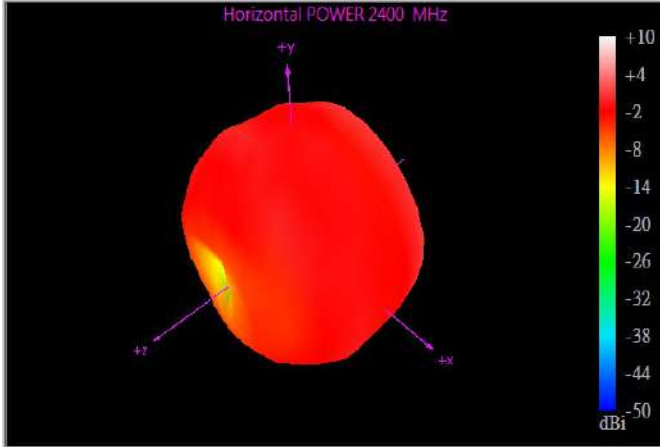
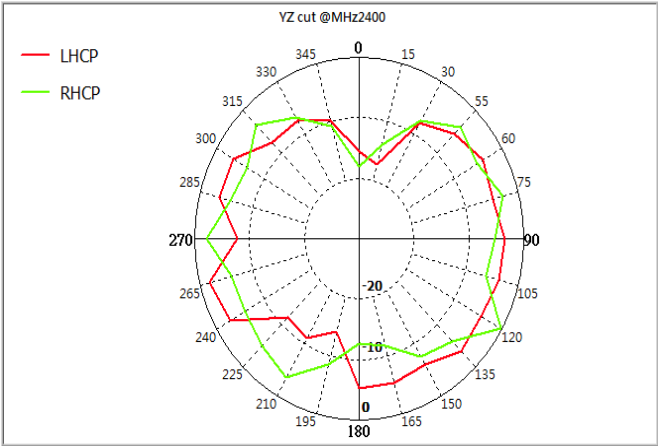
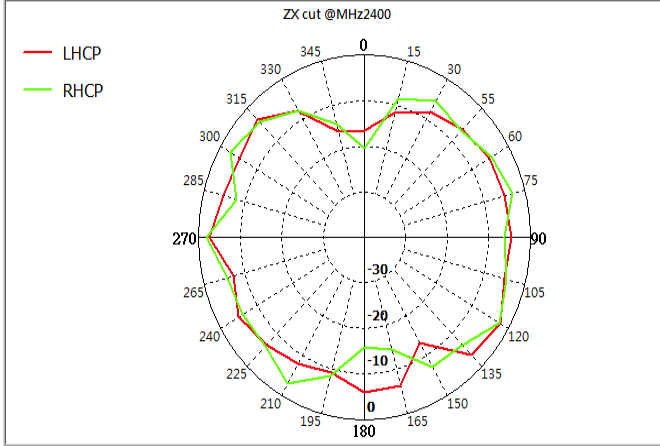
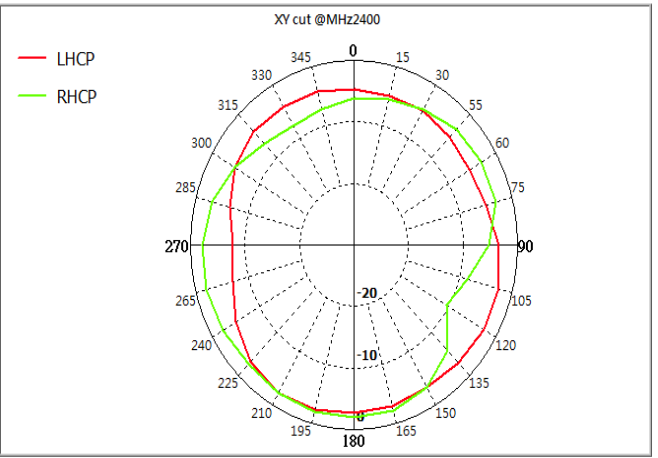
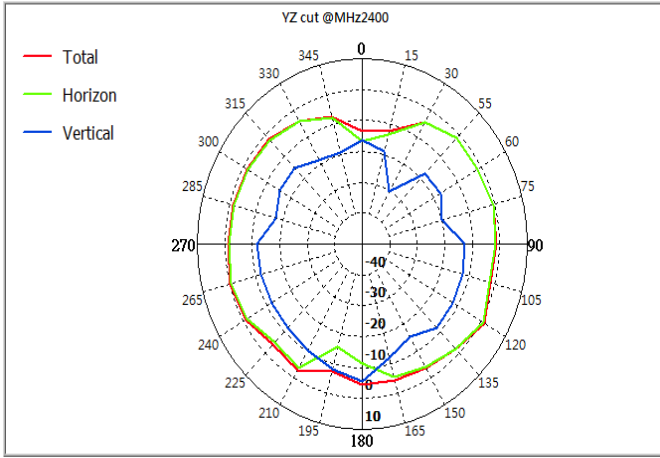
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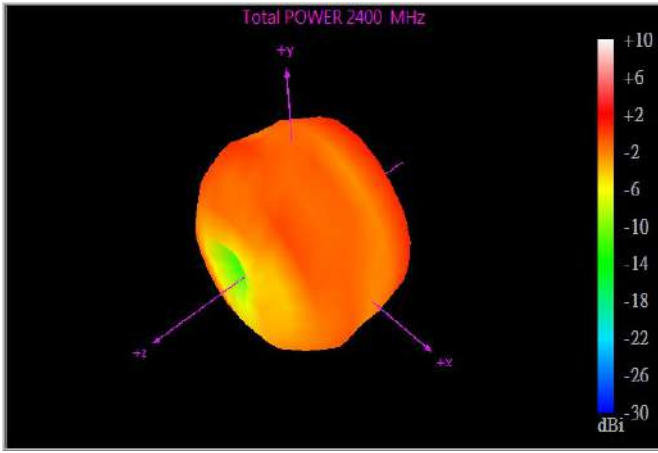




**2400Mhz:**







## 2500Mhz:

