

# 900Mhz & 2.4G Dual Band Antenna

MODEL: TH-9024C-SMA(M)



## 1. GENERAL DESCRIPTION

Model No	P/N
TH-9024C	TH9024C-SMA(M)

Below is a table summarizing the antenna design specification.

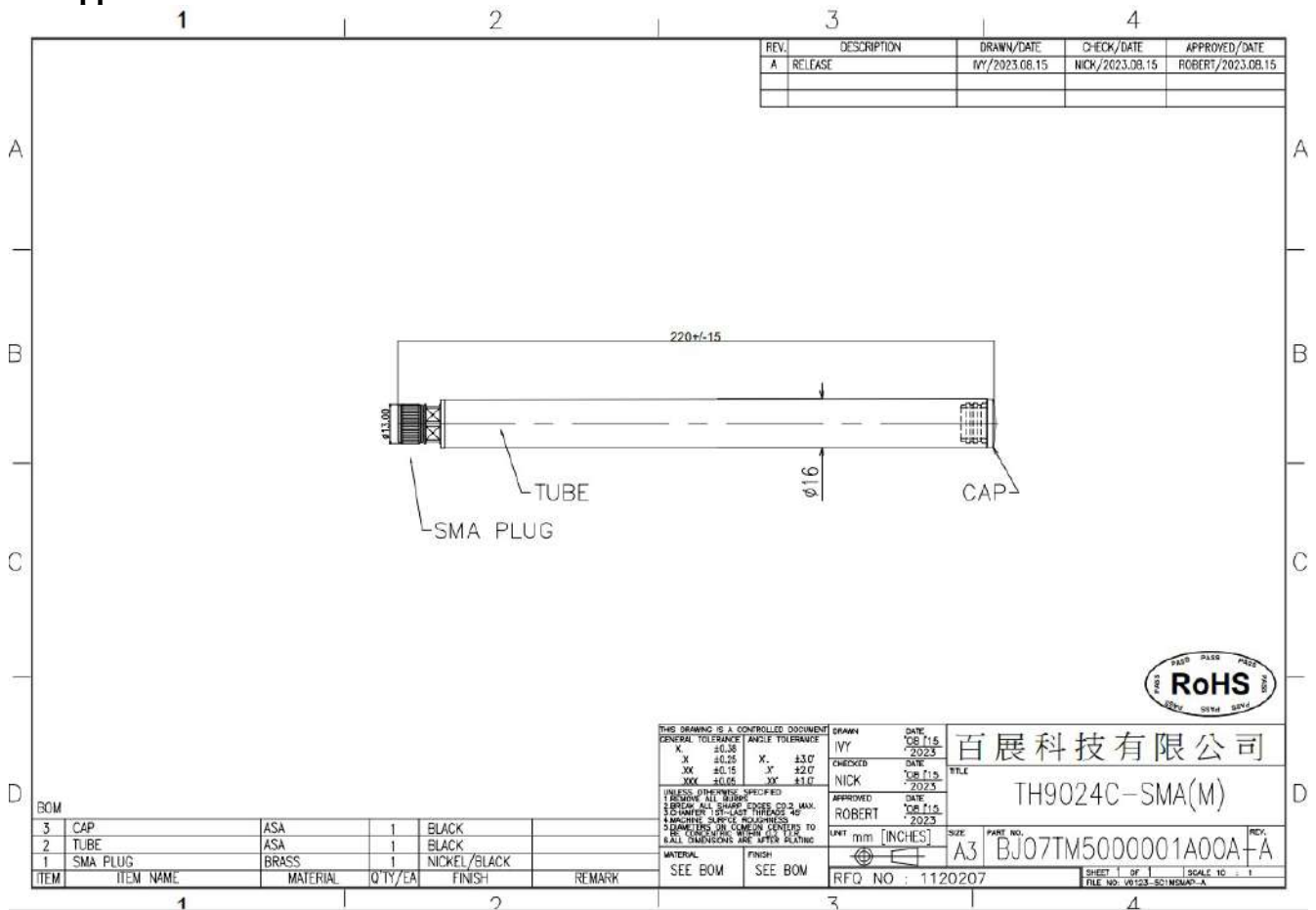
### 1.1 Electrical Properties

Parameter	Description
Frequency Band	902~928 MHz & 2.4~2.5Ghz
Nominal Impedance	50 ohm
Polarization	Vertical
Electrical Wave	Dipole
Return Loss	Please See Data-1
V.S.W.R	2.0 : 1
Gain	3db

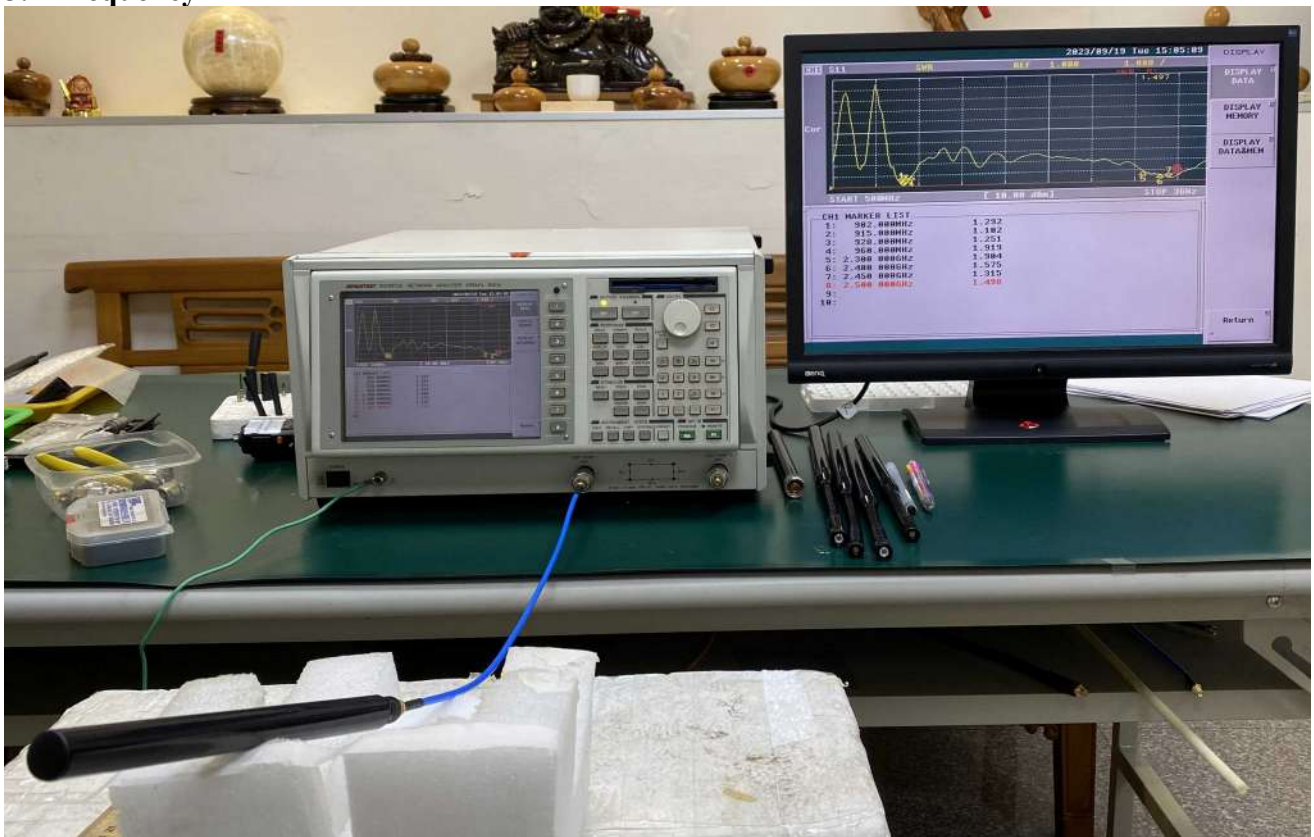
### 1.2 Mechanical Properties

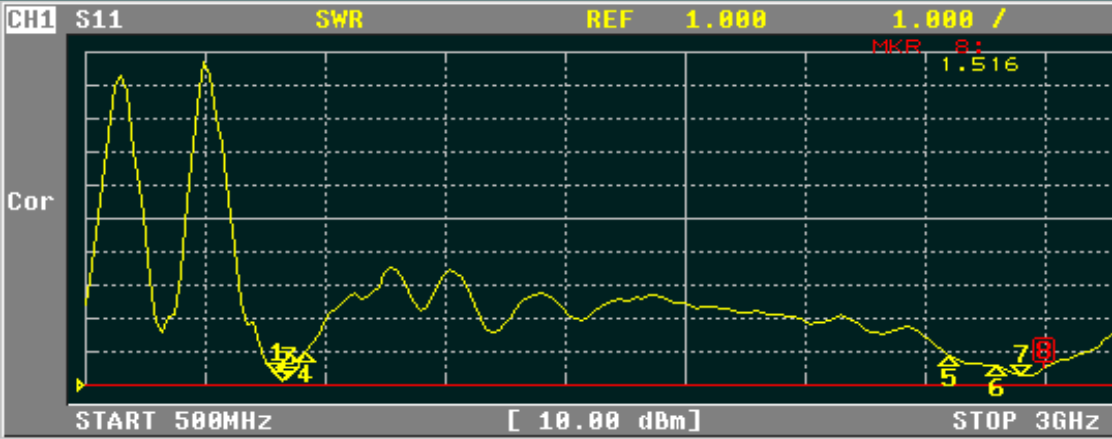
Parameter	Description
Antenna Type	External Antenna
Touch Type	Screw Type
Connector Type	SMA(Male)
Antenna Dimensions	220mm $\pm$ 15
Antenna Color	Black
Operating Temperature Range	-40°C~+85°C
Storage Temperature Range	-40°C~+85°C

## 2. Appearance



## 3. Frequency





CH1 MARKER LIST

1:	902.000MHz	1.309
2:	915.000MHz	1.120
3:	928.000MHz	1.273
4:	960.000MHz	1.990
5:	2.300 000GHz	1.907
6:	2.400 000GHz	1.571
7:	2.450 000GHz	1.319
8:	2.500 000GHz	1.517
9:		
10:		

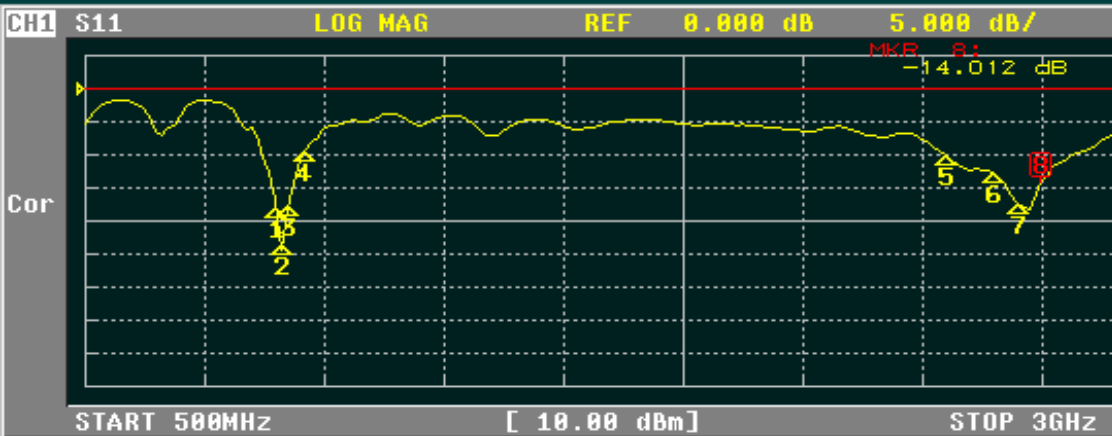
DISPLAY

DISPLAY DATA

DISPLAY MEMORY

DISPLAY DATA&MEM

Return



CH1 MARKER LIST

1:	902.000MHz	-17.960 dB
2:	915.000MHz	-23.190 dB
3:	928.000MHz	-17.146 dB
4:	960.000MHz	-9.416 dB
5:	2.300 000GHz	-10.048 dB
6:	2.400 000GHz	-12.702 dB
7:	2.450 000GHz	-17.331 dB
8:	2.500 000GHz	-14.012 dB
9:		
10:		

FORMAT

LOG MAG

PHASE

DELAY

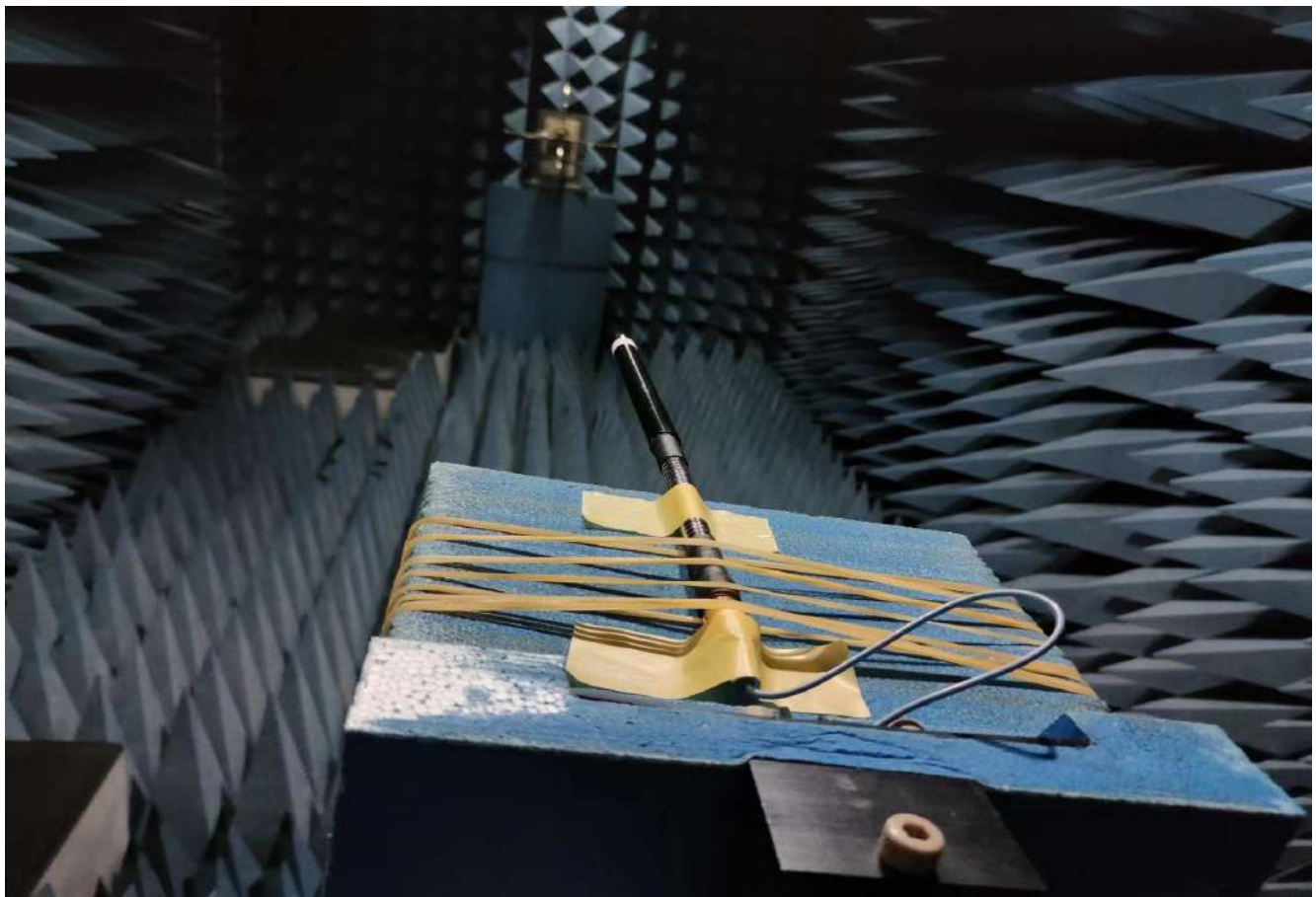
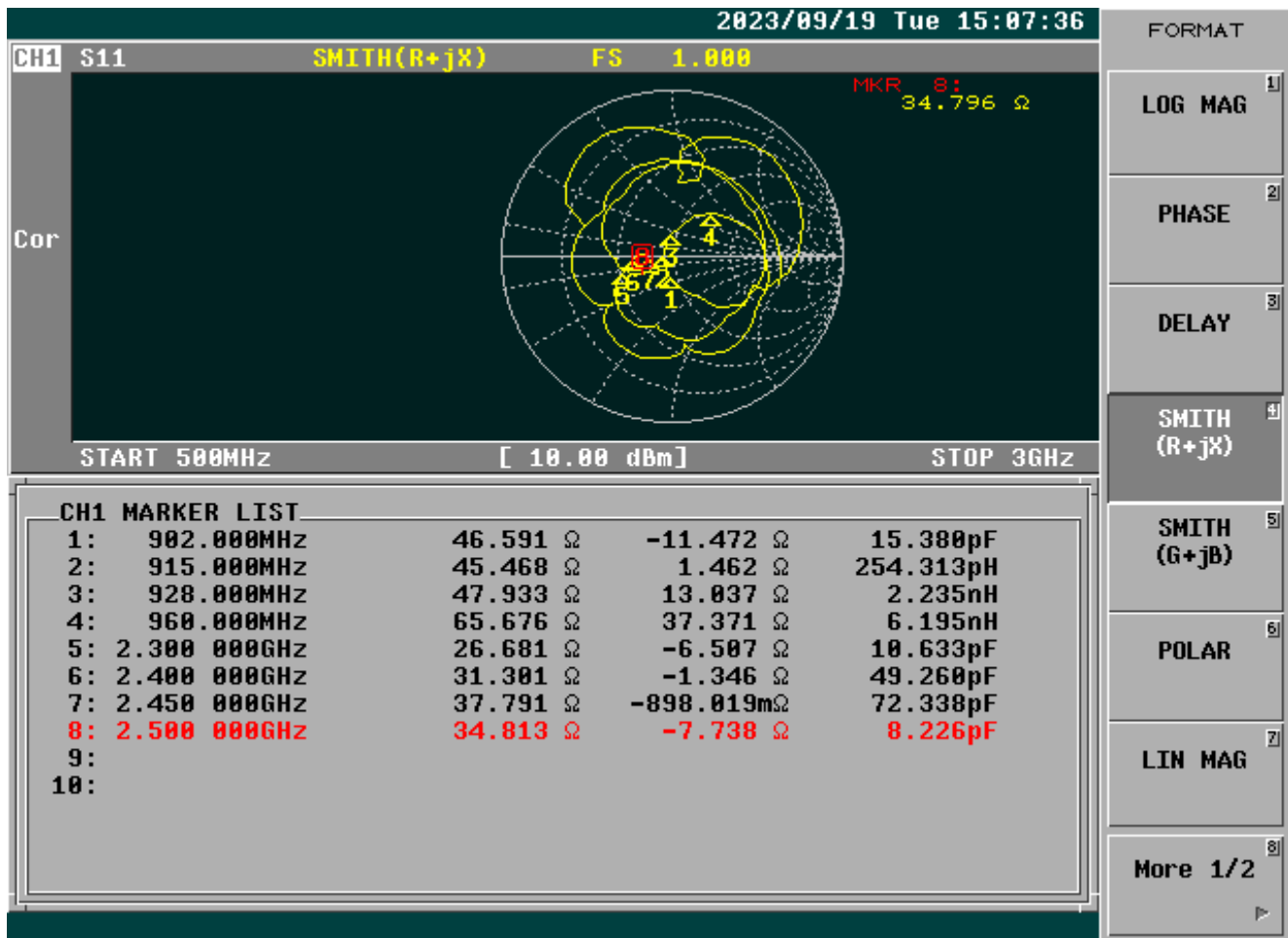
SMITH (R+jX)

SMITH (G+jB)

POLAR

LIN MAG

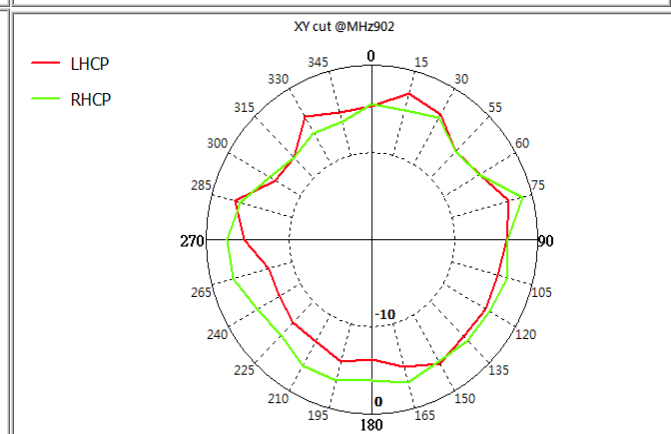
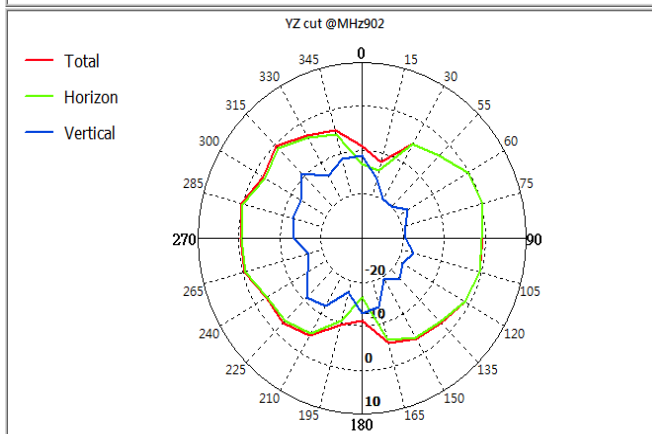
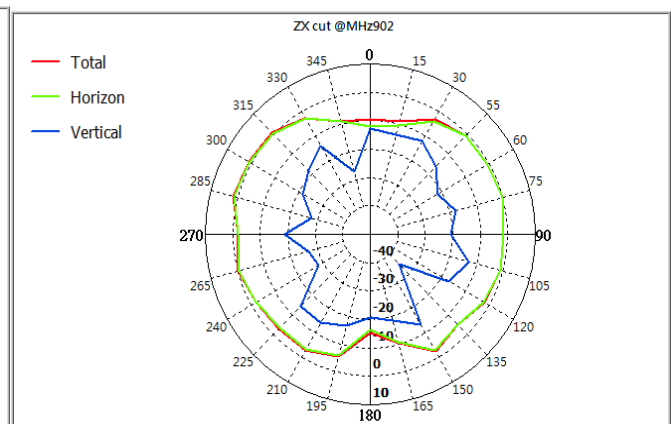
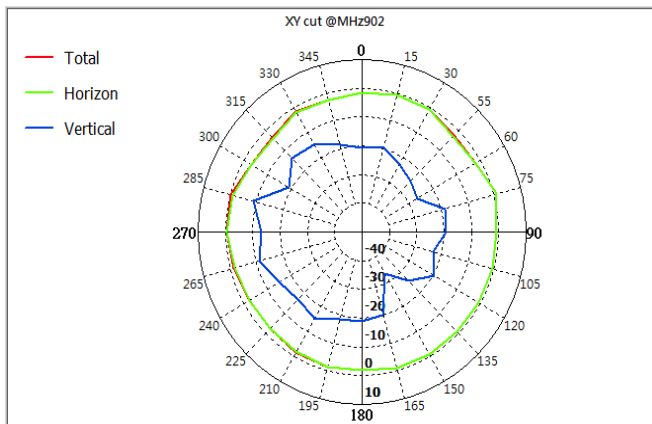
More 1/2

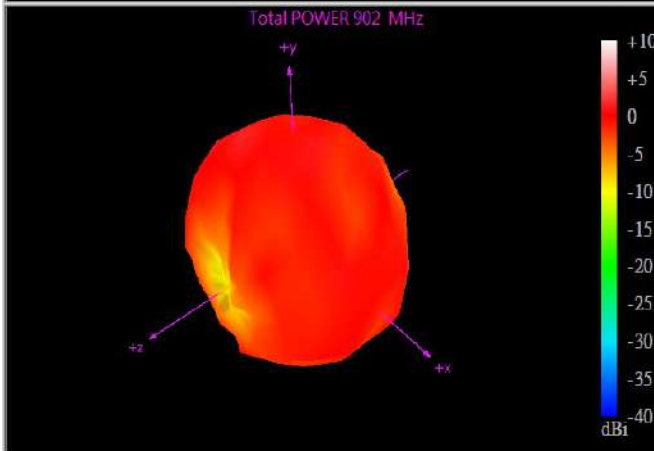
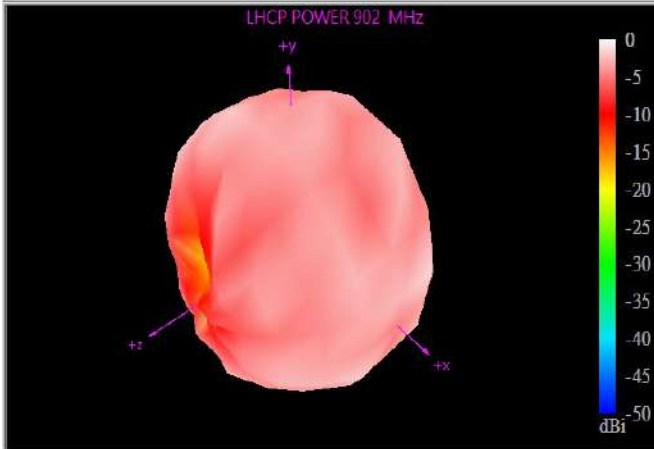
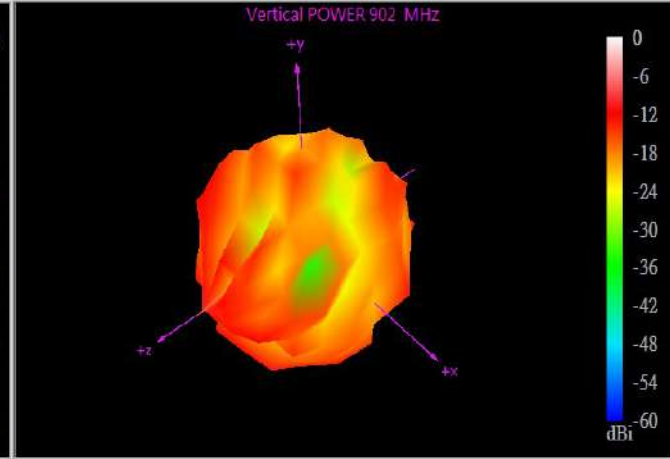
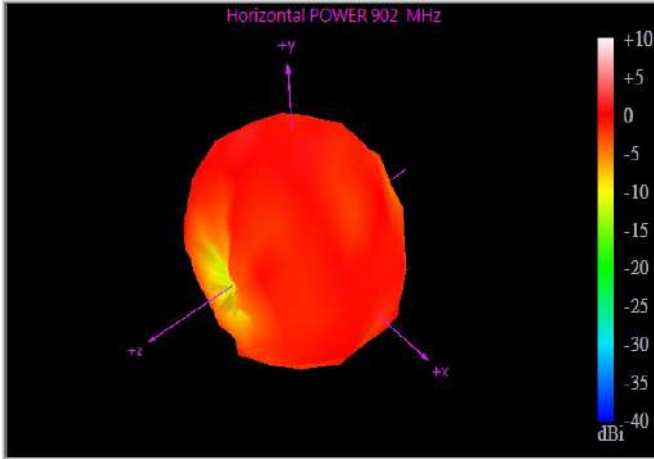
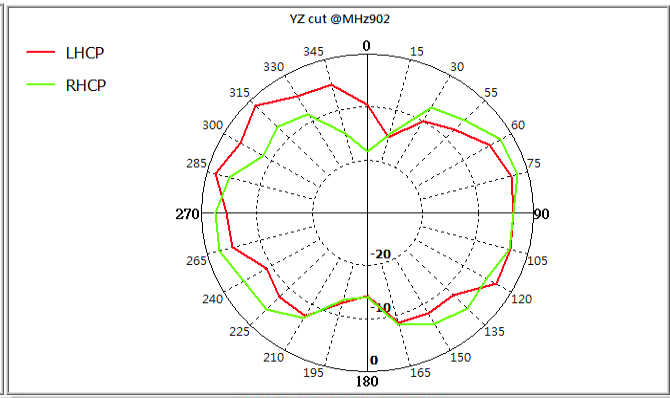
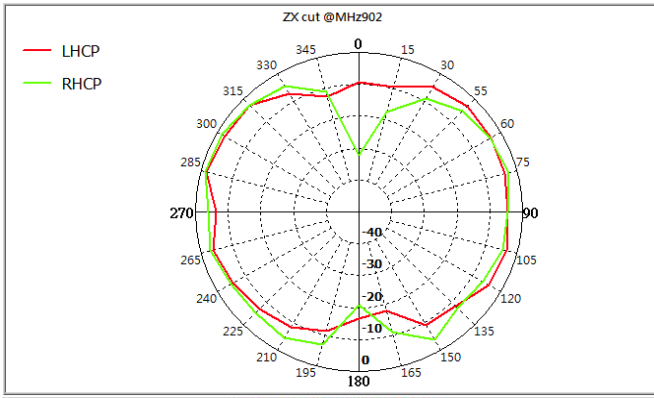


### 3D Total

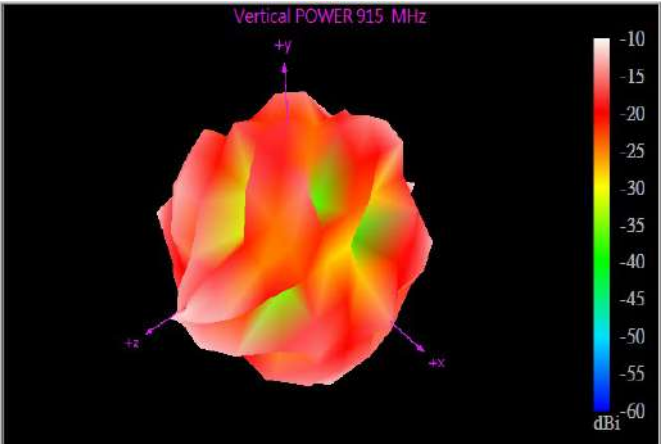
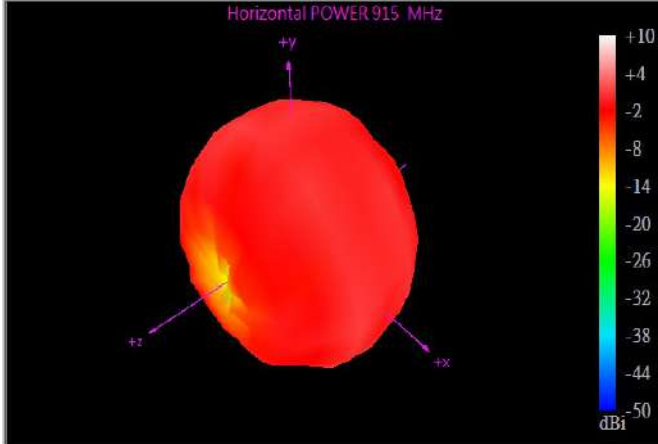
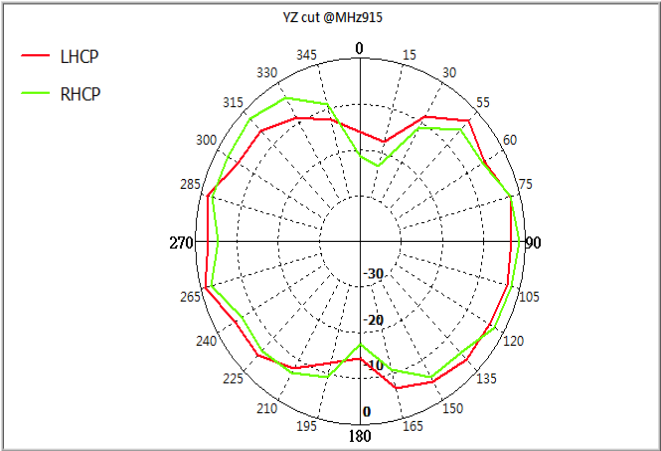
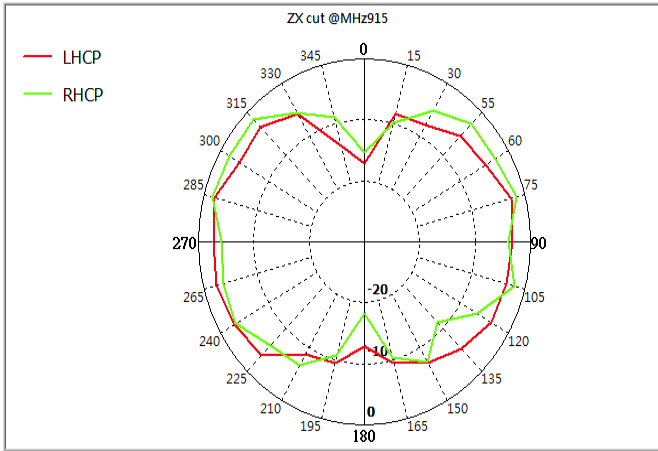
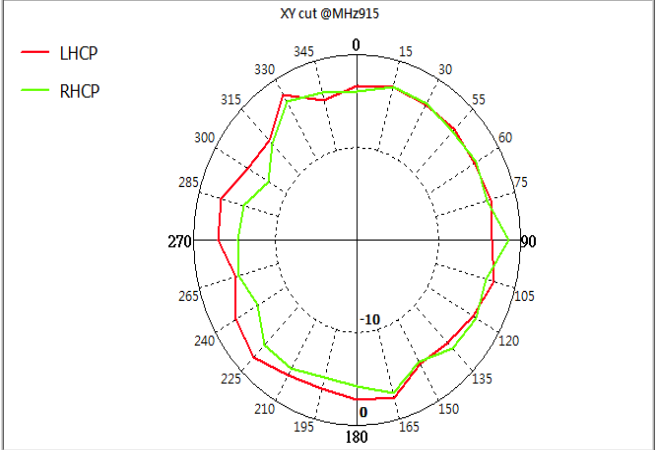
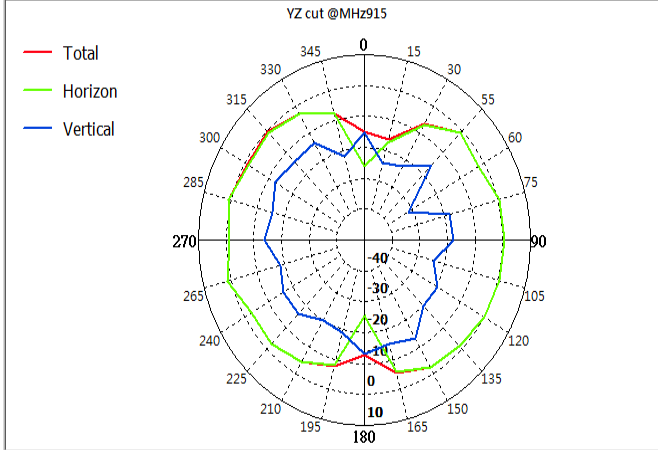
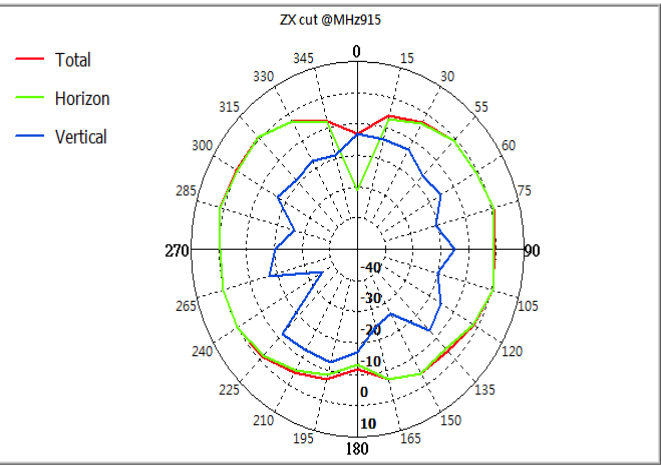
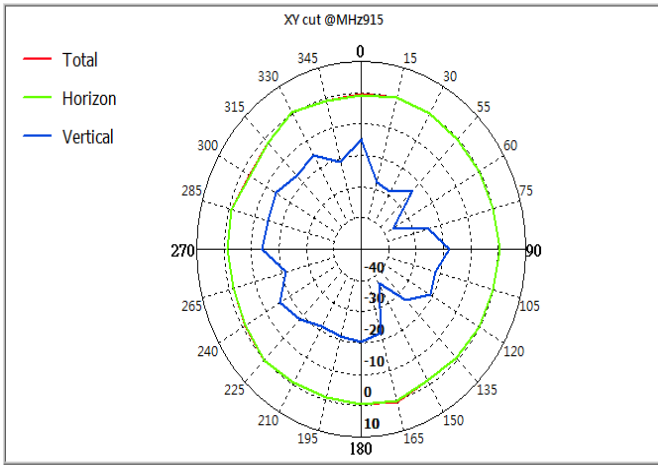
Frequency (MHz)	Upper Hem. PRP (dBm)	Lower HEM. PRP (dBm)	Efficiency (dB)	Efficiency (%)	Gain (dBi)	Tot. Rad.Pwr. (dBm)
902 MHz	-4.29	-5.21	-1.72	67.33	1.57	-1.72
915 MHz	-4.06	-4.71	-1.36	73.07	2.09	-1.36
928 MHz	-3.94	-4.75	-1.31	73.89	2.21	-1.31
930 MHz	-3.83	-4.61	-1.19	76.04	2.23	-1.19
960 MHz	-5.21	-5.25	-2.22	60.01	1.35	-2.22
2300 MHz	-4.46	-6.81	-2.47	56.60	4.15	-2.47
2350 MHz	-4.27	-6.13	-2.09	61.76	4.27	-2.09
2400 MHz	-4.52	-6.47	-2.38	57.87	3.75	-2.38
2450 MHz	-4.40	-6.19	-2.19	60.36	3.62	-2.19
2500 MHz	-4.36	-6.22	-2.18	60.51	3.16	-2.18
2600 MHz	-3.94	-6.06	-1.86	65.12	3.36	-1.86

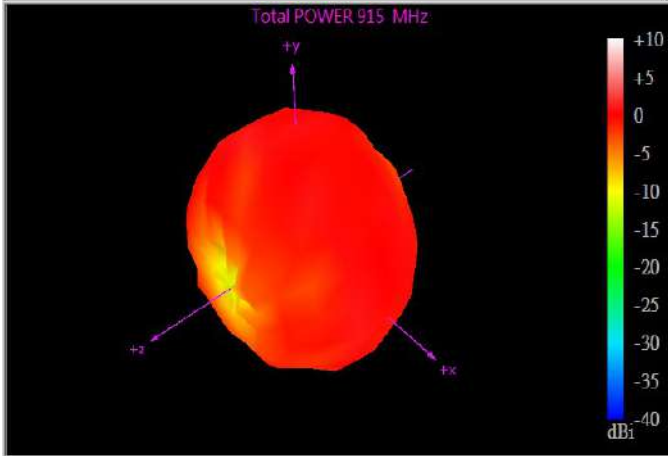
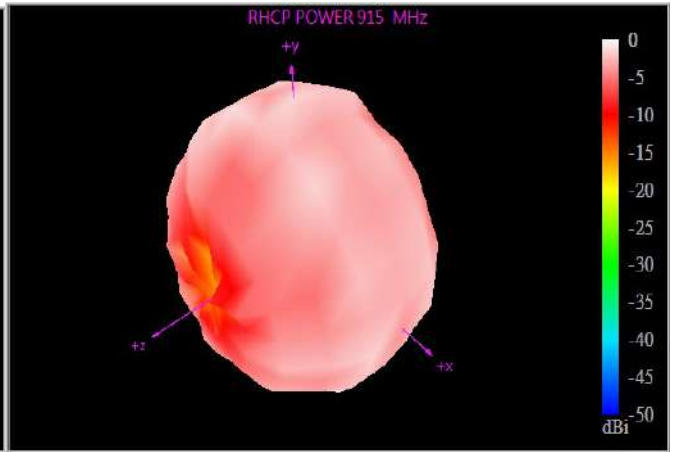
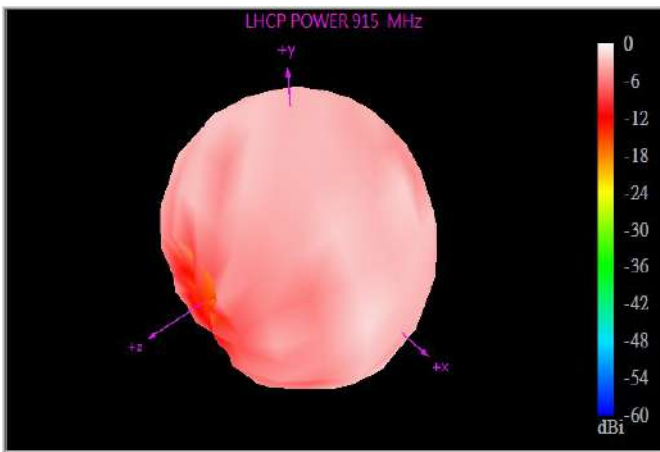
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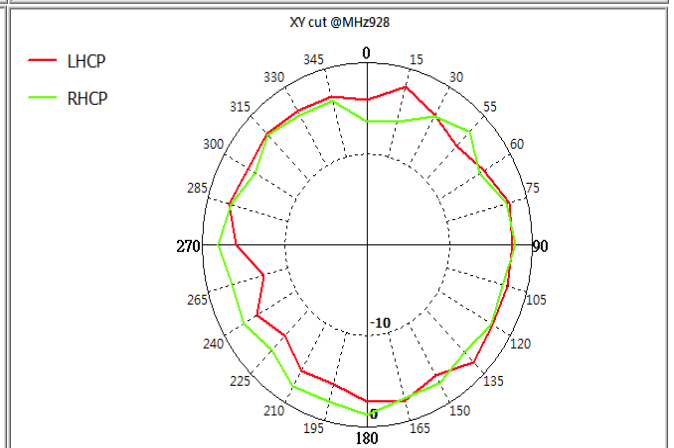
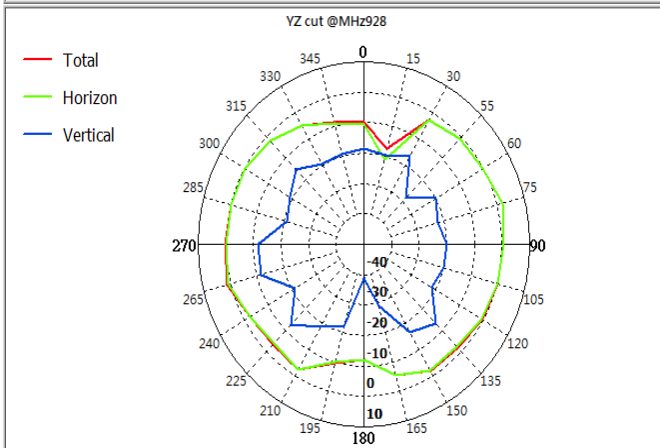
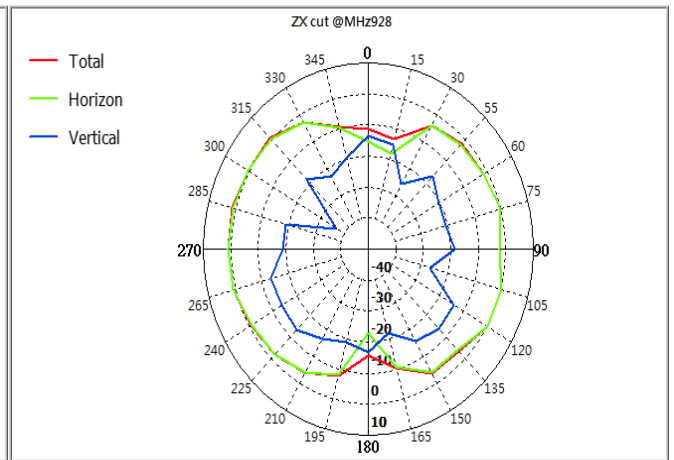
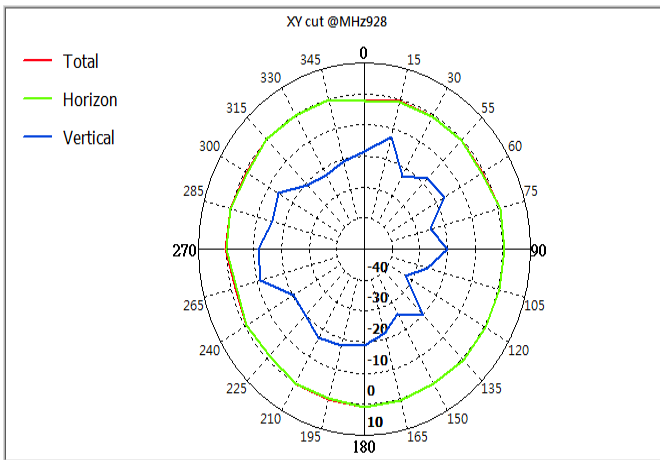


915Mhz:

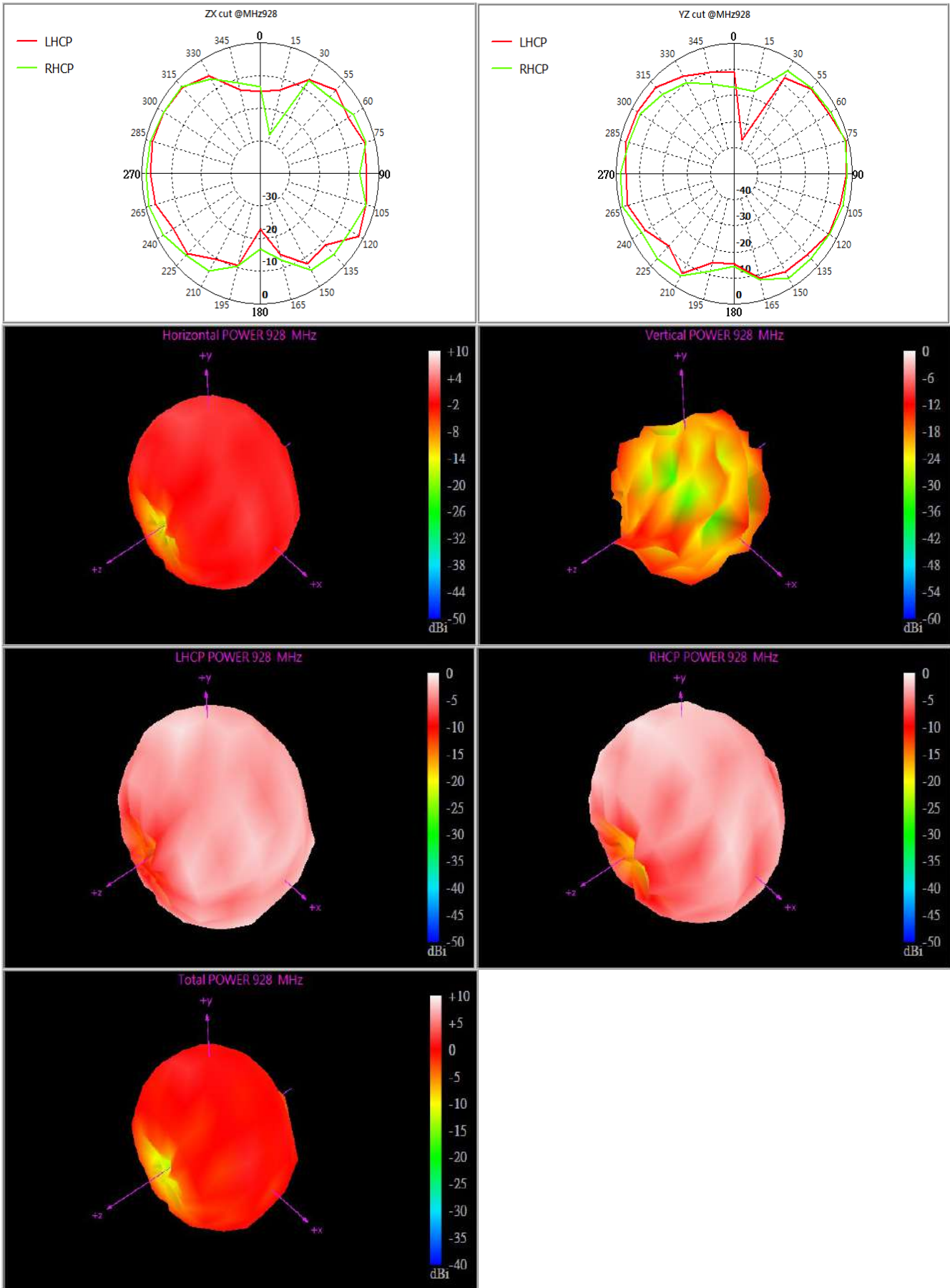




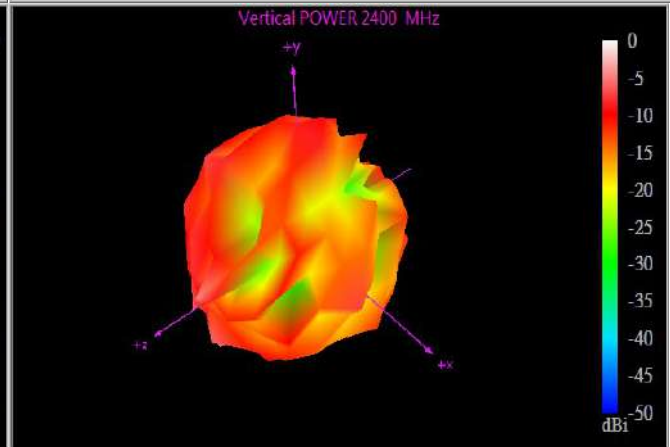
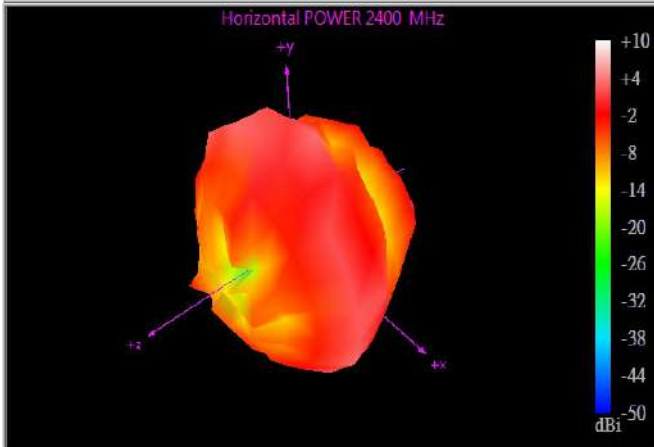
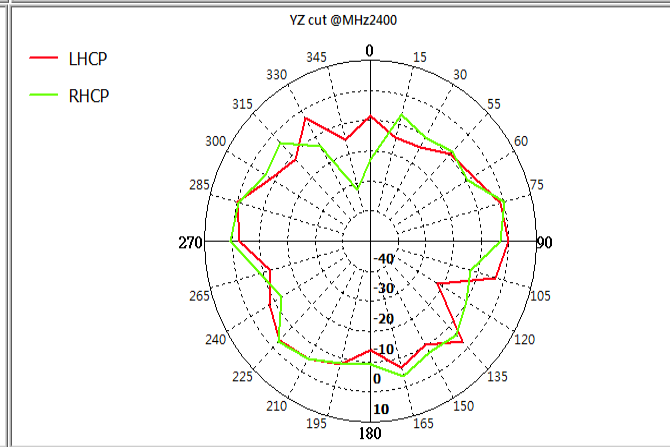
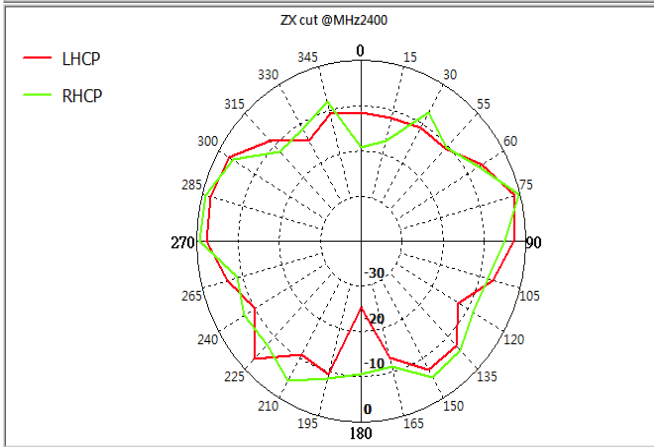
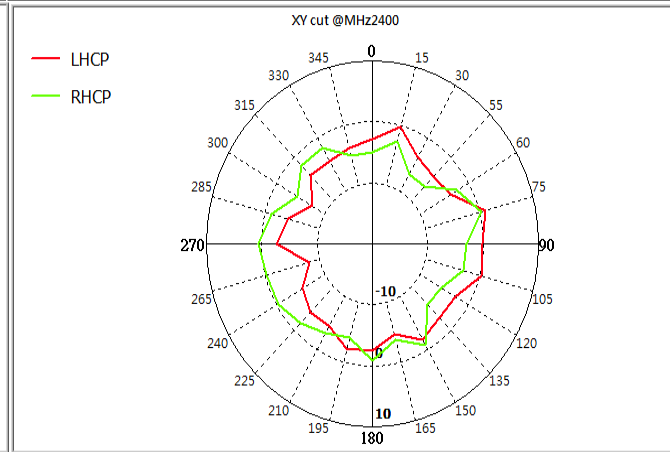
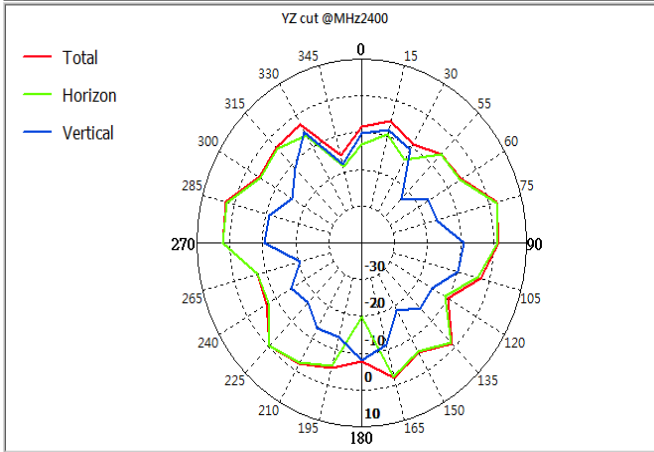
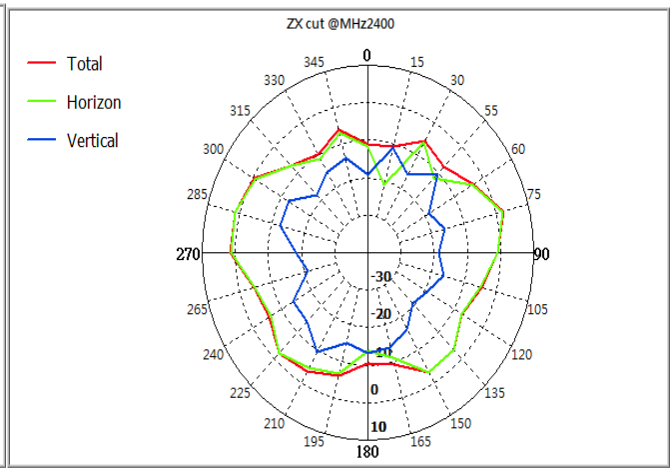
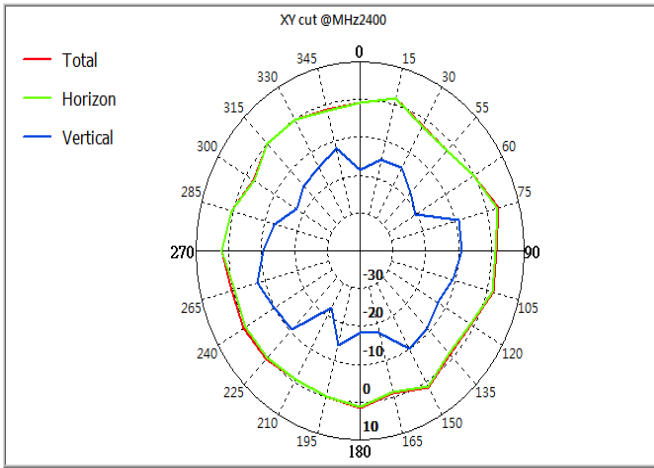
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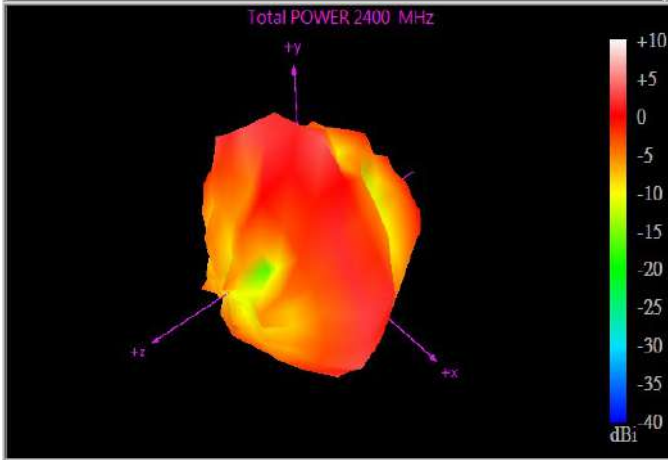
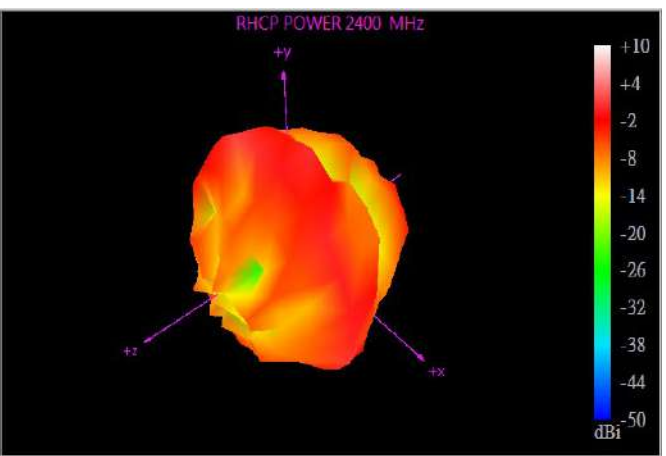
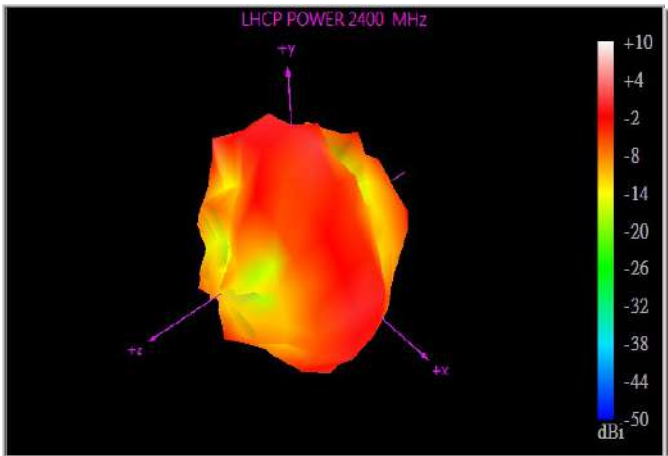




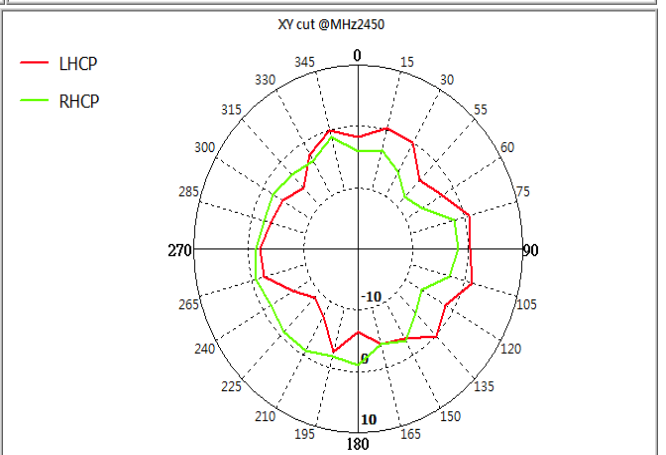
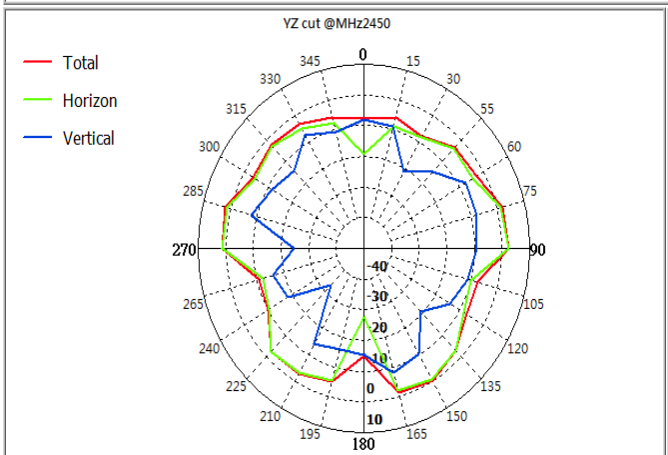
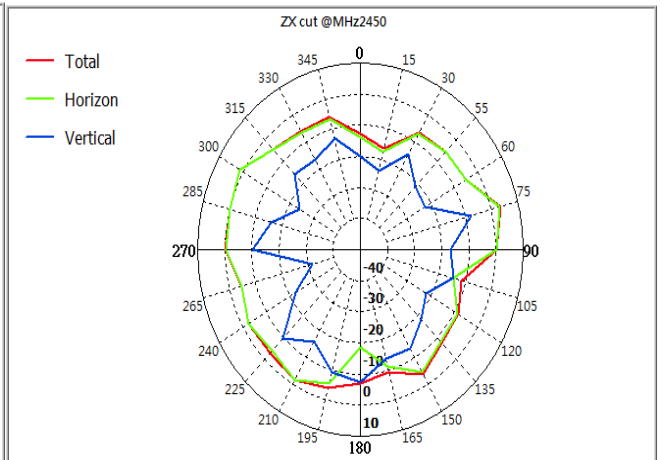
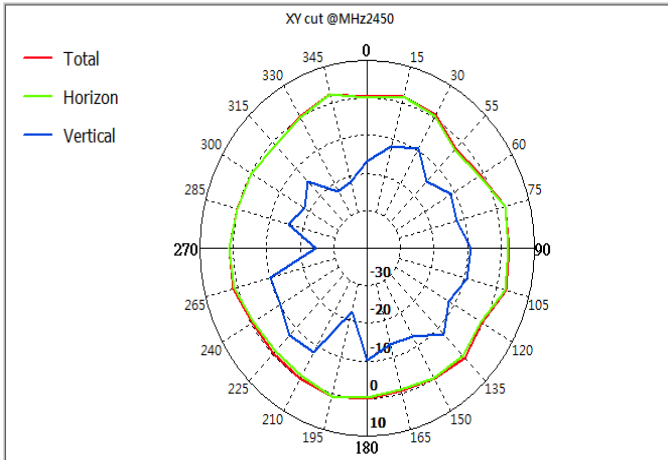


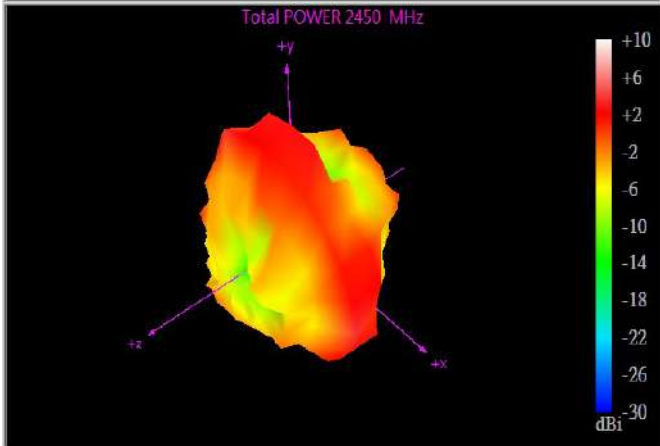
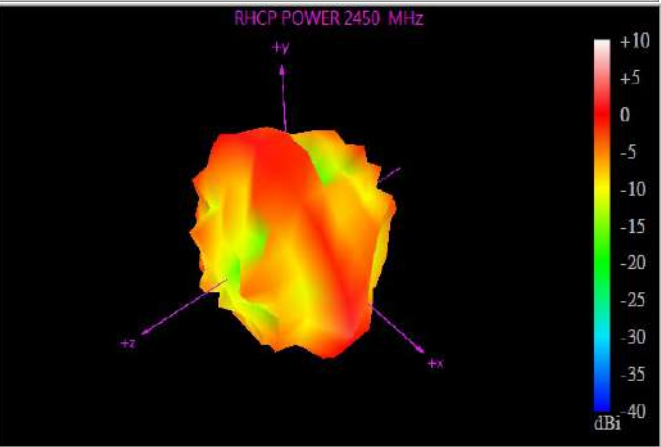
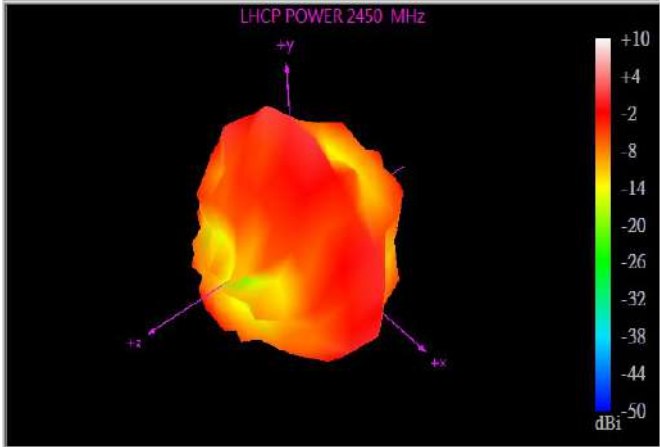
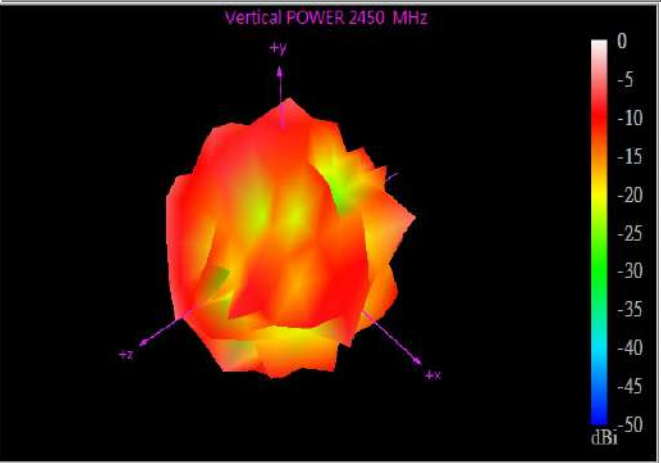
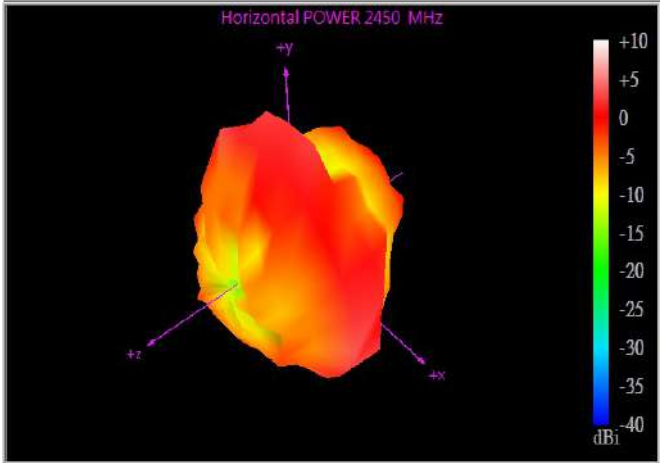
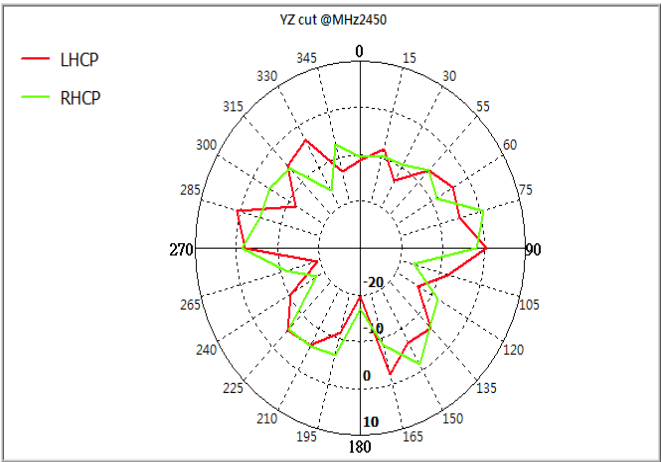
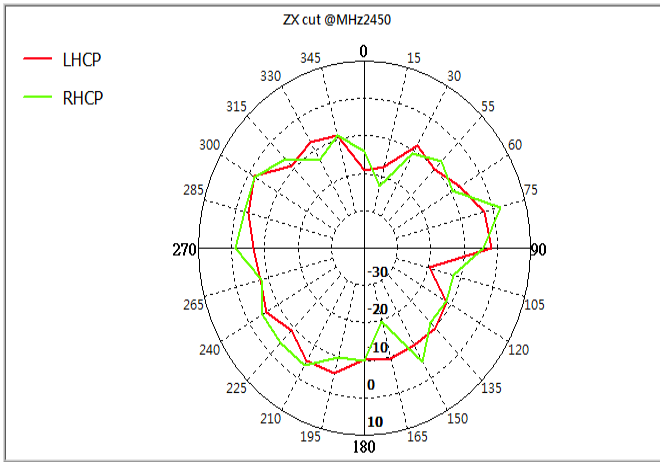
2.4Ghz:





**2.45Ghz:**





2.5Ghz:

