

# 900Mhz & 2.4G Dual Band Gooseneck Antenna

MODEL: TH-9024A-SMA(M)



## 1. GENERAL DESCRIPTION

Model No	P/N
TH-9024A	TH9024A-SMA(M)

Below is a table summarizing the antenna design specification.

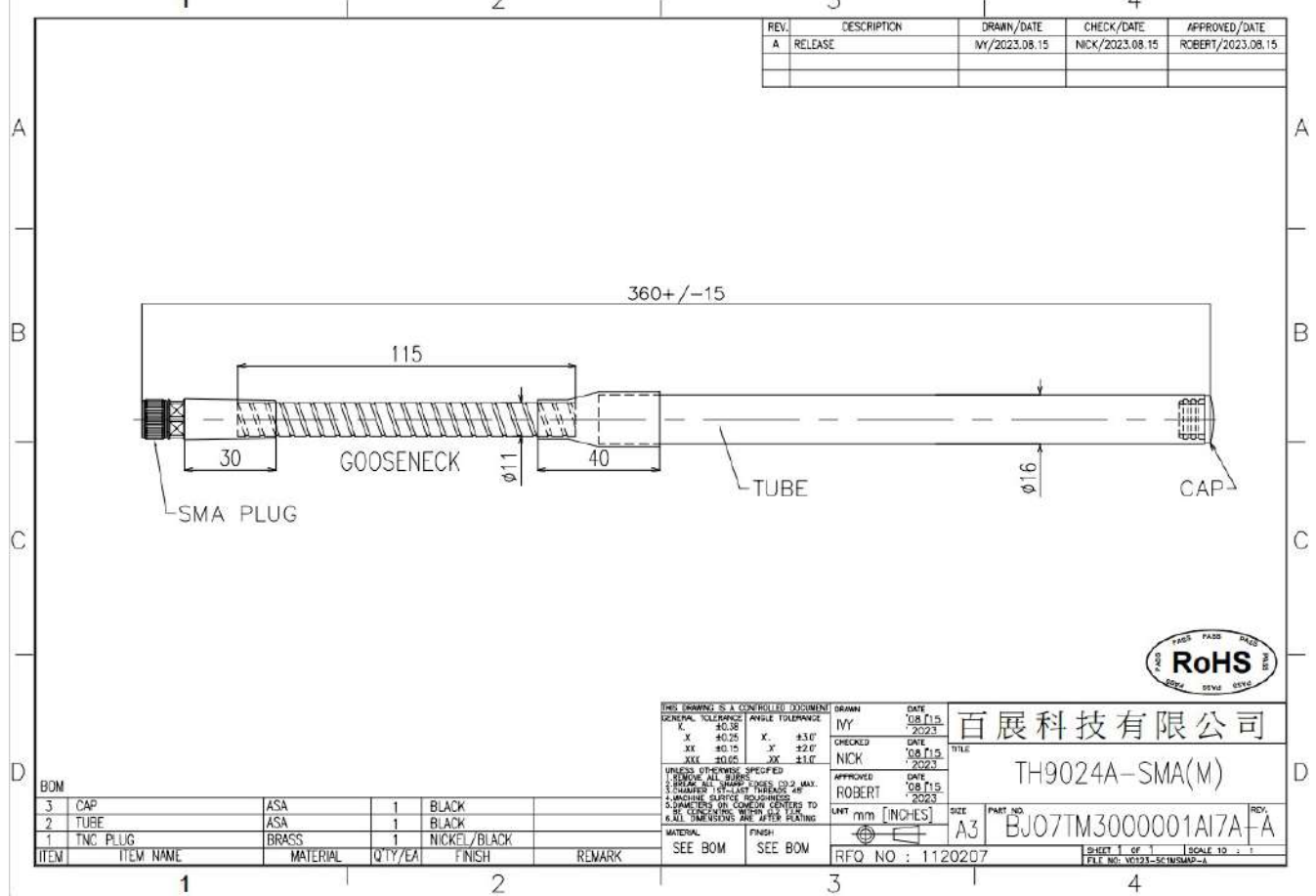
### 1.1 Electrical Properties

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

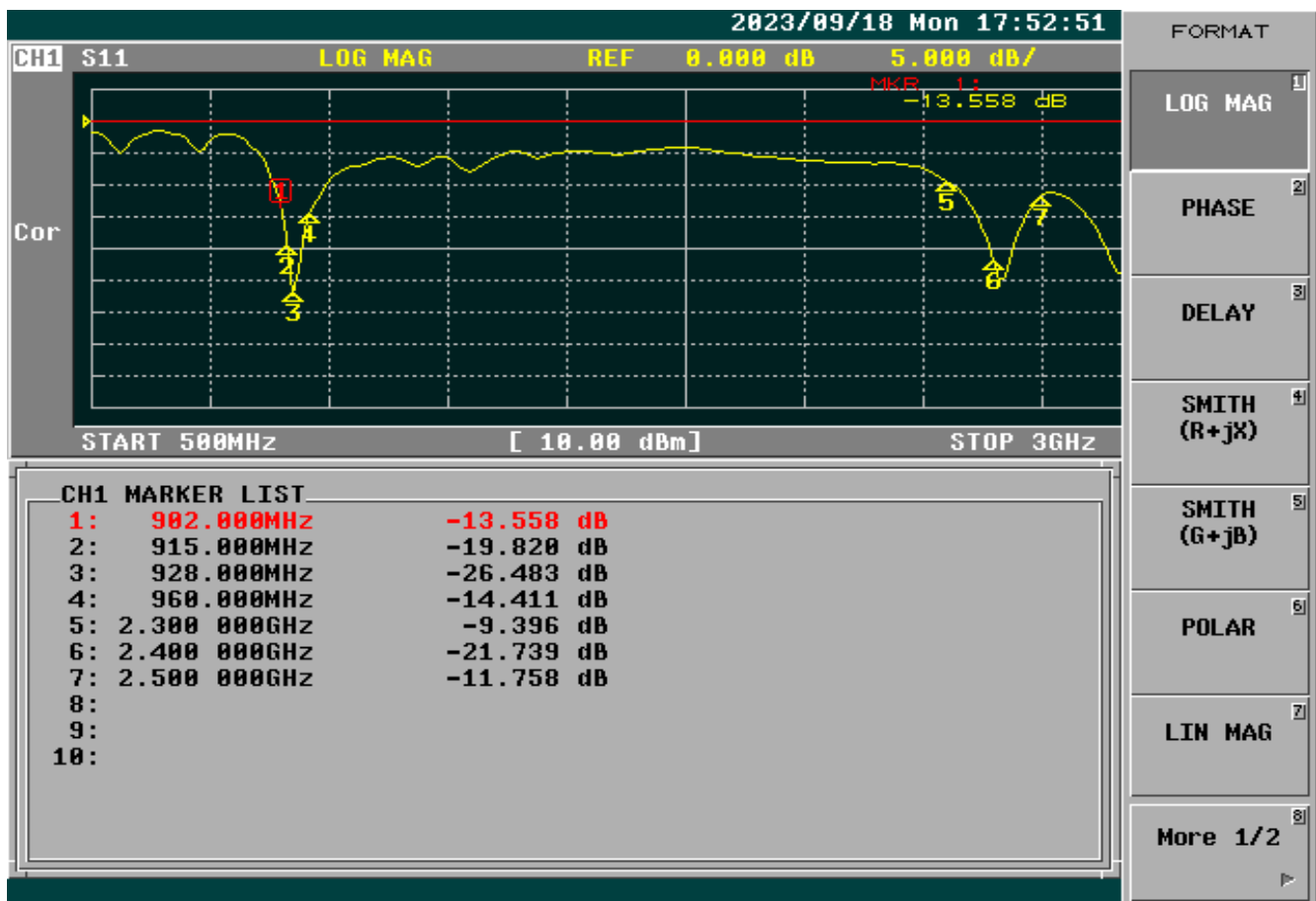
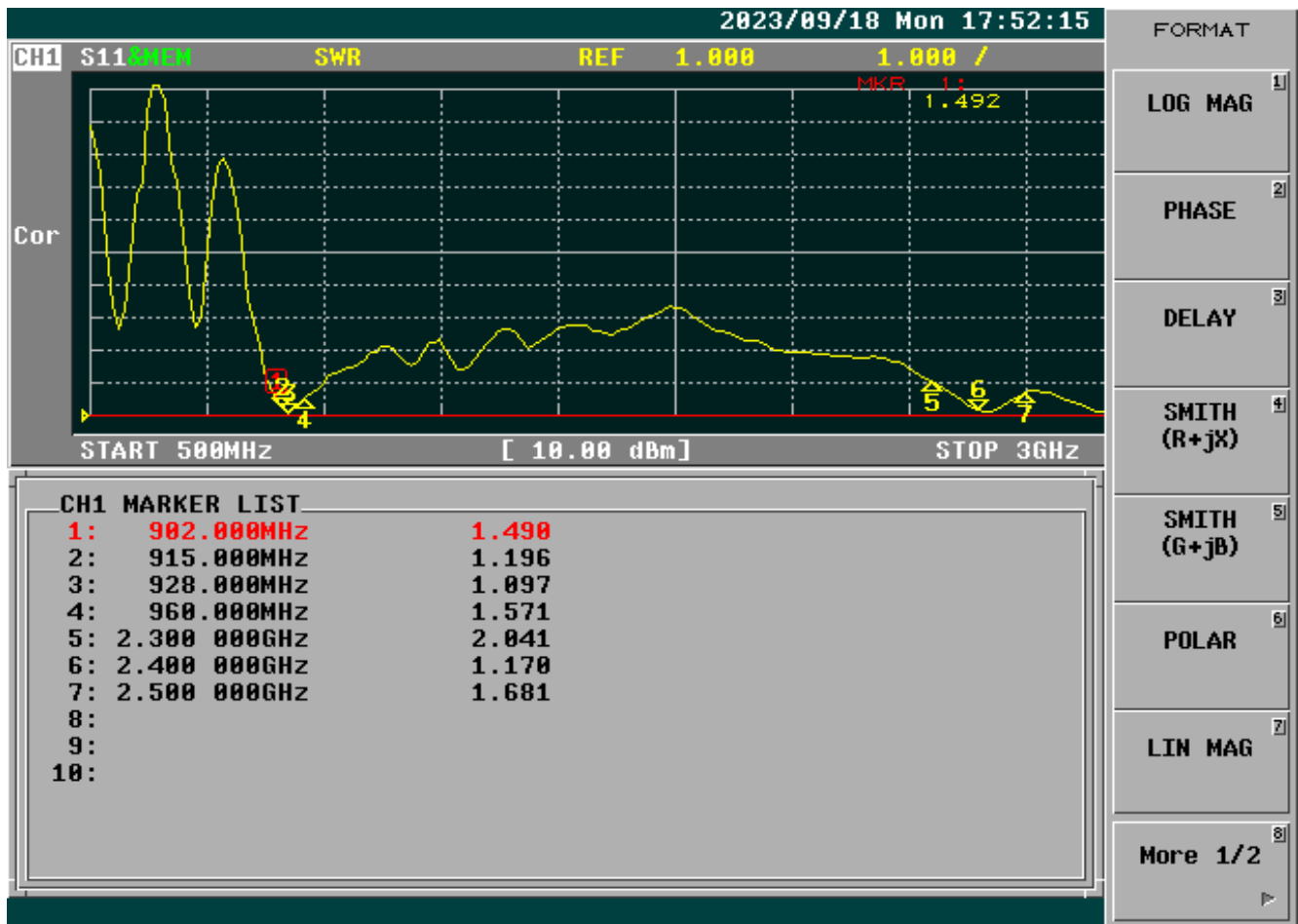
Parameter	Description
Antenna Type	External Antenna
Touch Type	Screw Type
Connector Type	SMA(Male)
Antenna Dimensions	360mm $\pm$ 15
Antenna Color	Black
Operating Temperature Range	-40°C~+85°C
Storage Temperature Range	-40°C~+85°C

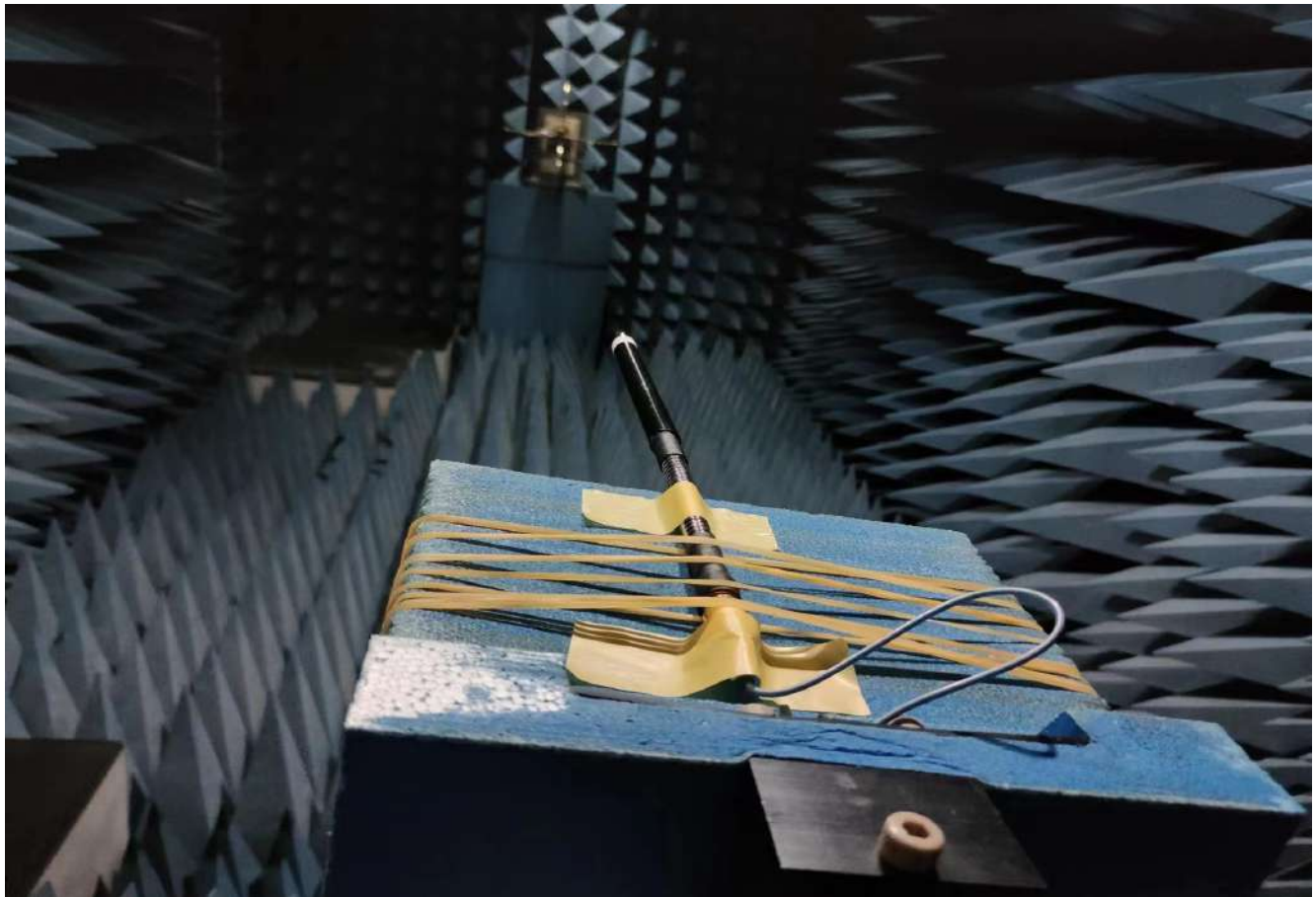
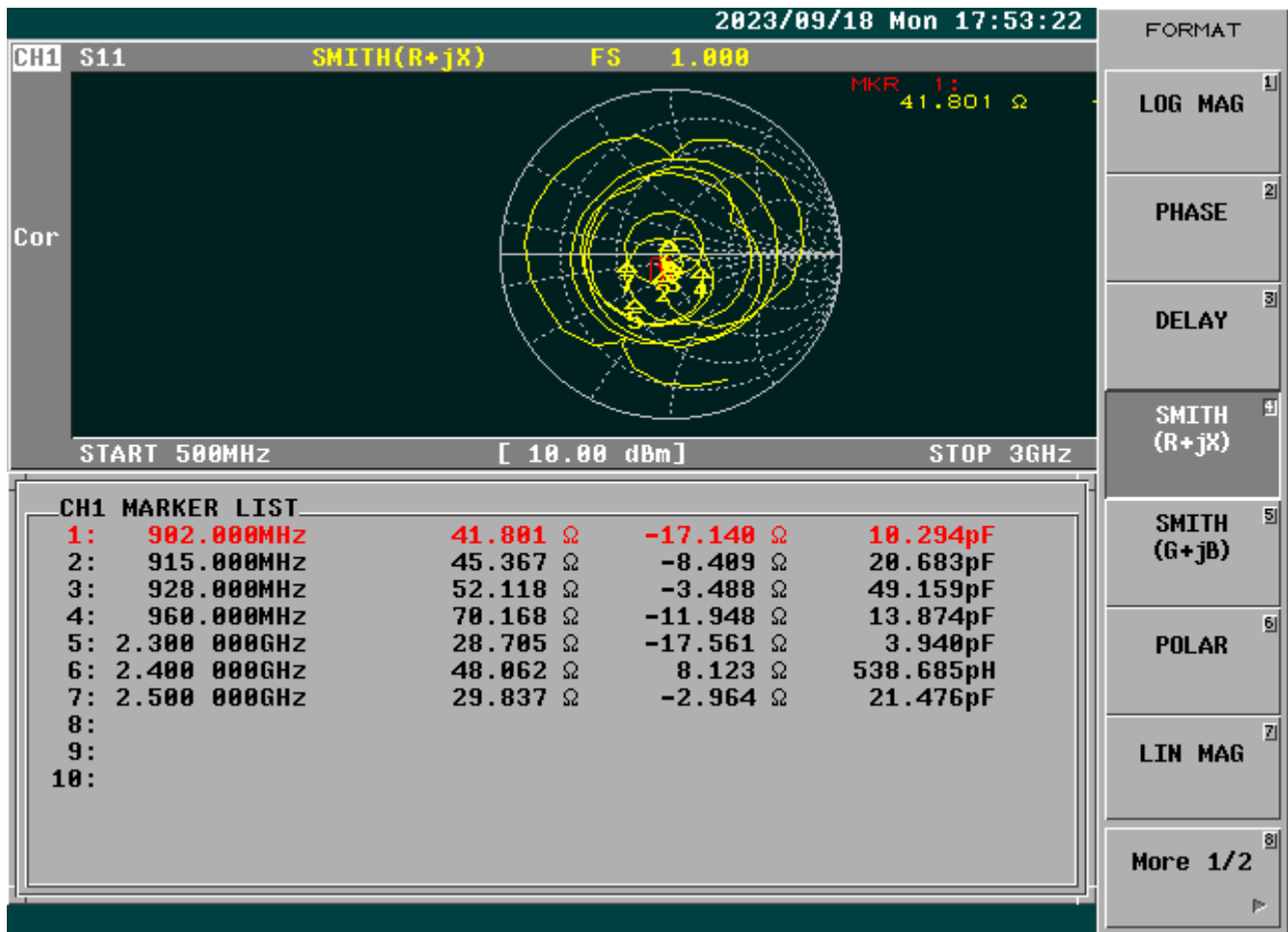
## 2. Appearance



## 3. Frequency



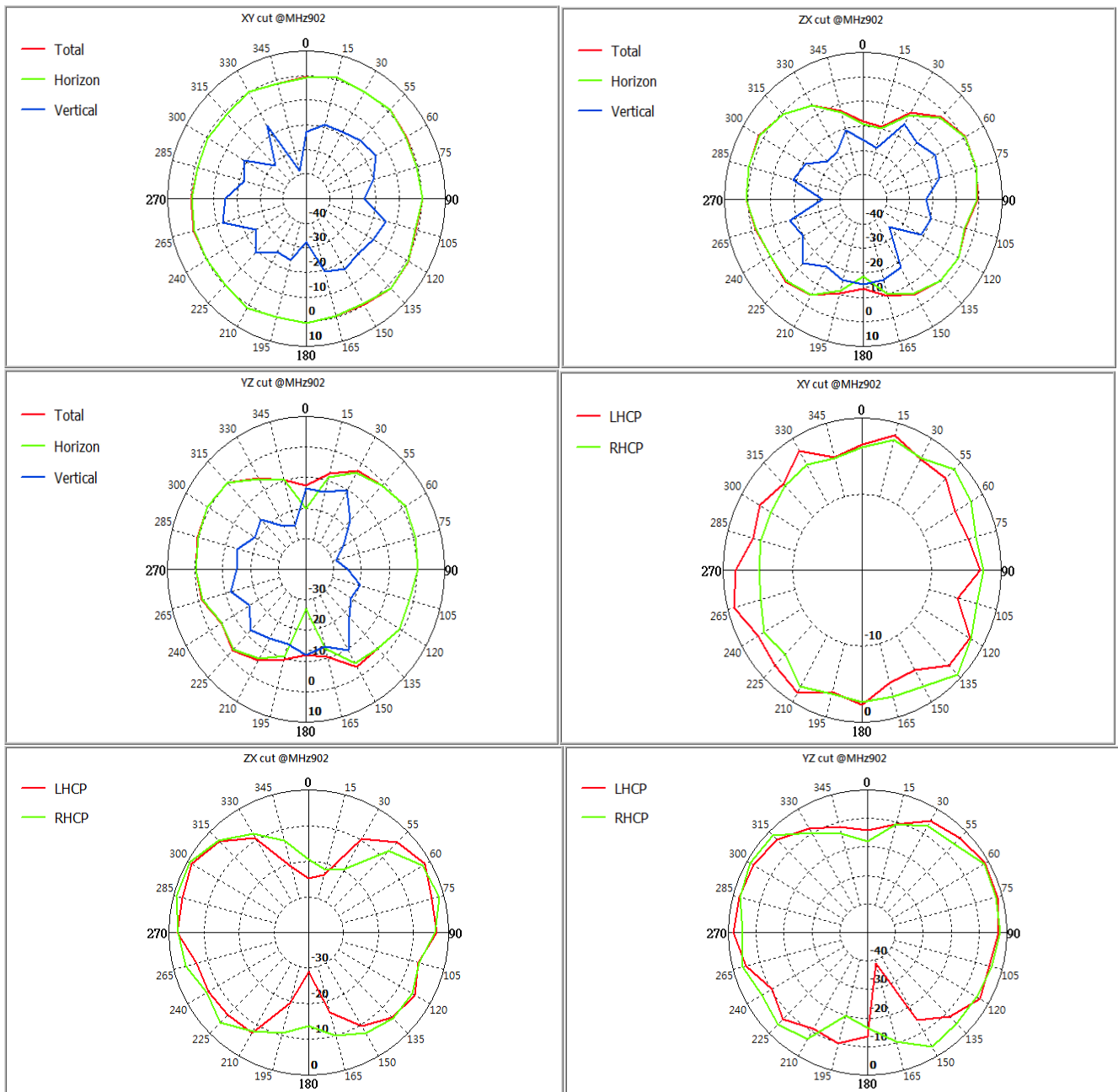


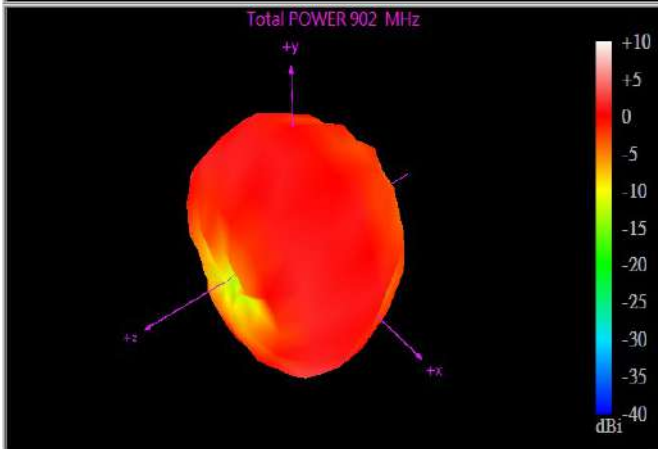
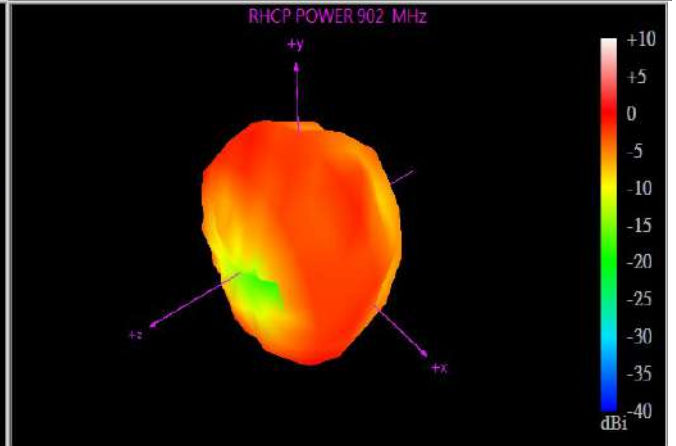
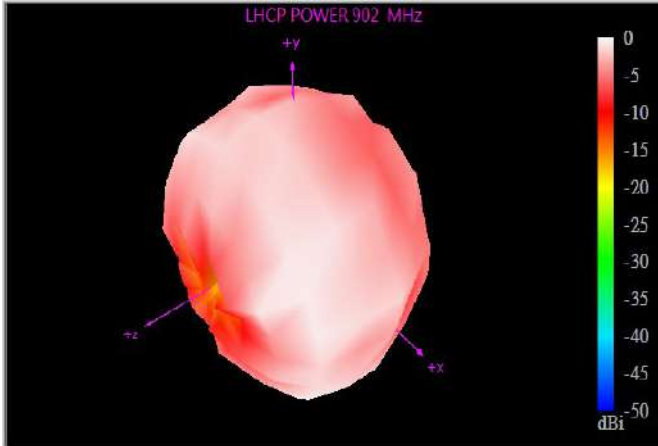
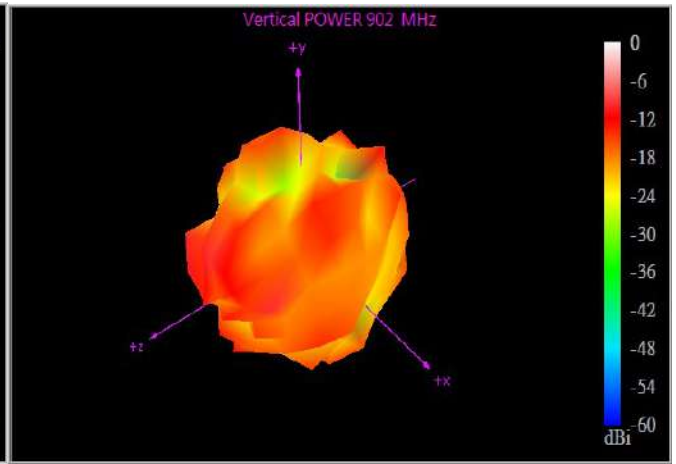
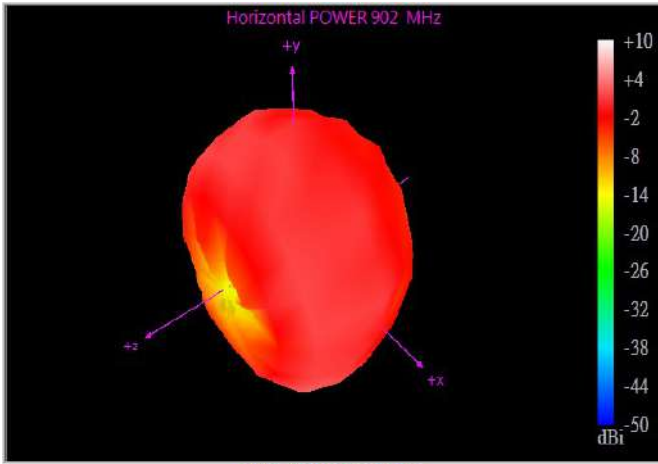


### 3D Total

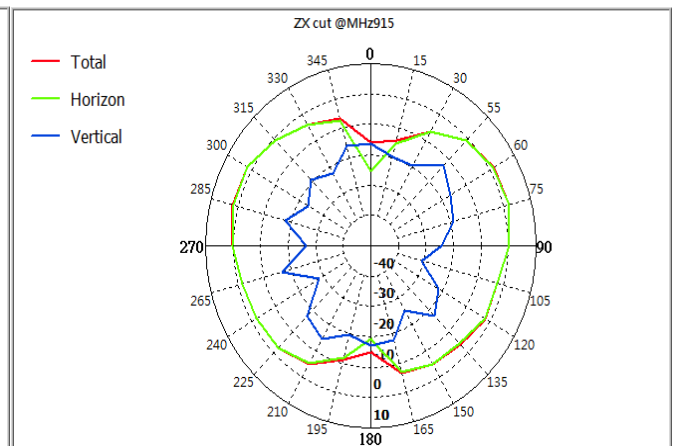
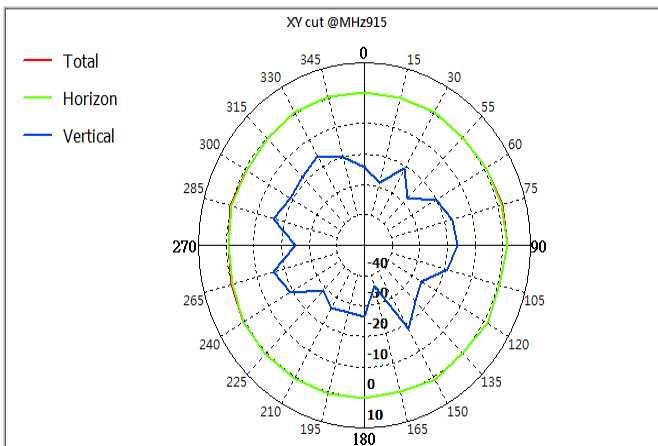
Frequency (MHz)	Upper Hem. PRP (dBm)	Lower HEM. PRP (dBm)	Efficiency (dB)	Efficiency (%)	Gain (dBi)	Tot. Rad.Pwr. (dBm)
902 MHz	-3.47	-5.78	-1.46	71.39	2.87	-1.46
915 MHz	-3.23	-5.29	-1.13	77.07	3.23	-1.13
928 MHz	-2.95	-4.74	-0.74	84.32	2.75	-0.74
930 MHz	-2.94	-4.71	-0.73	84.56	2.66	-0.73
2300 MHz	-5.79	-7.46	-3.54	44.28	2.40	-3.54
2350 MHz	-4.71	-6.27	-2.41	57.43	4.16	-2.41
2400 MHz	-4.81	-6.42	-2.53	55.90	3.35	-2.53
2450 MHz	-4.82	-5.94	-2.33	58.42	2.59	-2.33
2500 MHz	-5.04	-5.46	-2.24	59.75	2.62	-2.24
2600 MHz	-4.90	-5.54	-2.20	60.25	4.20	-2.20

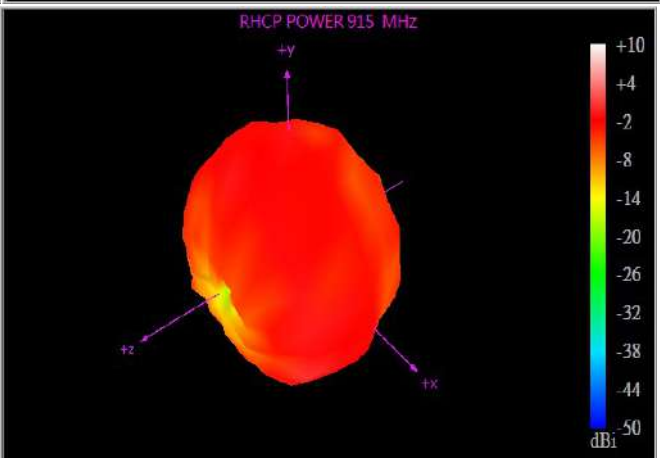
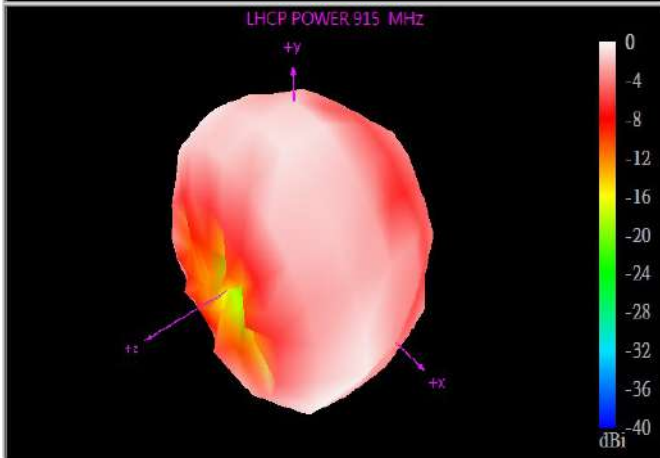
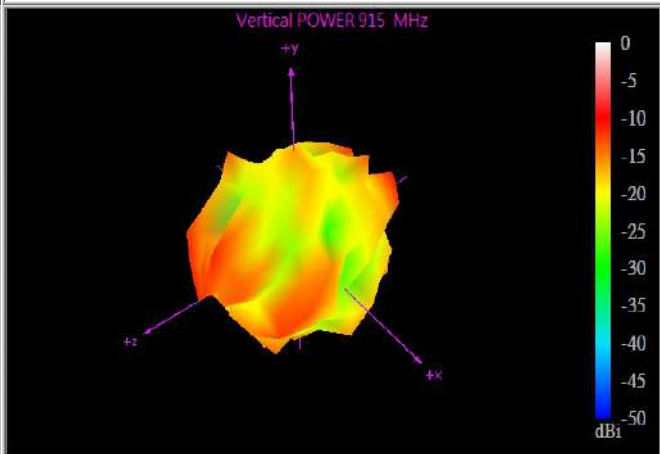
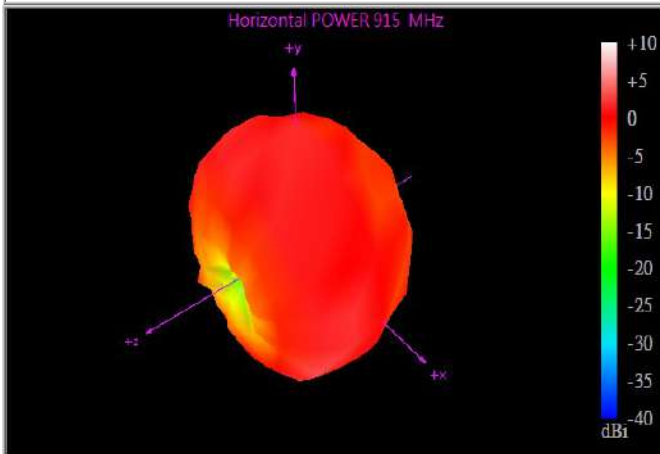
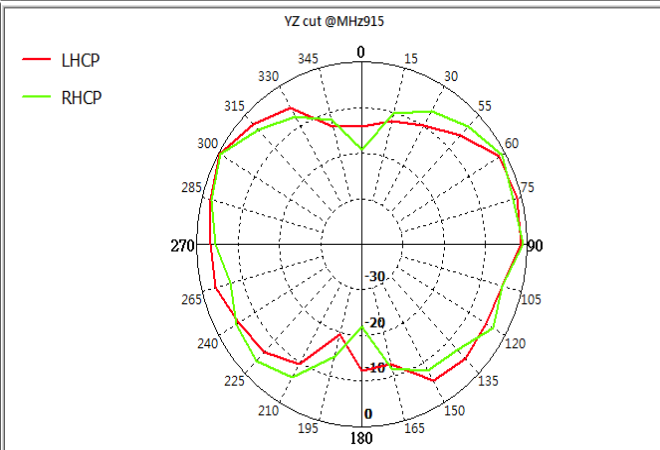
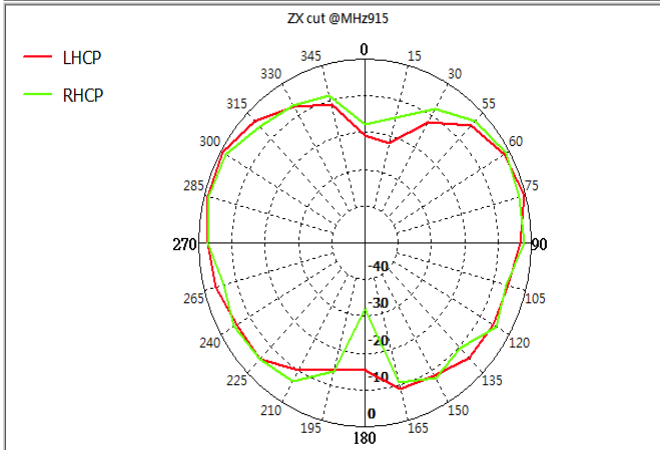
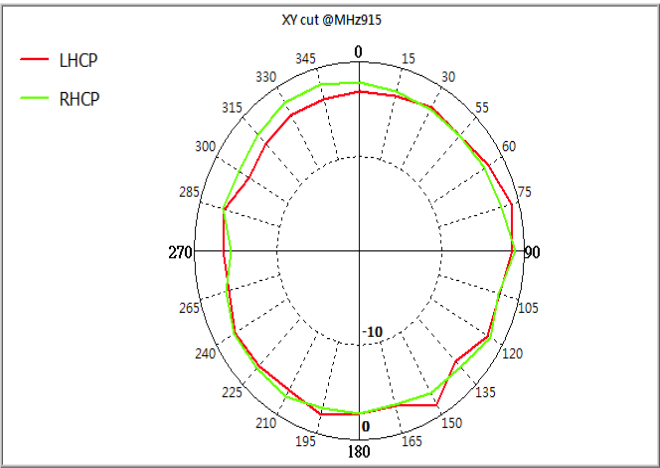
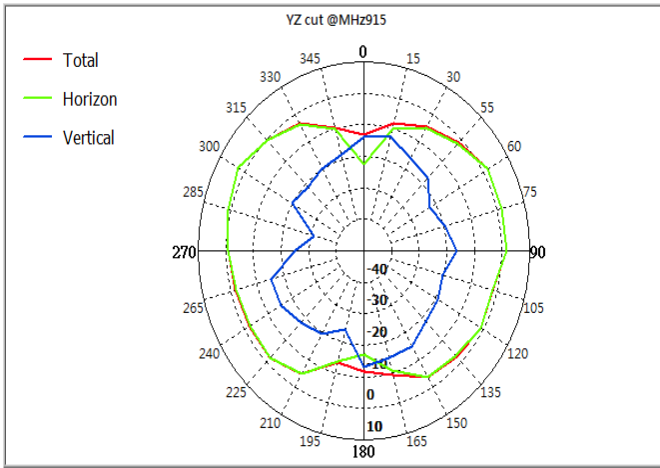
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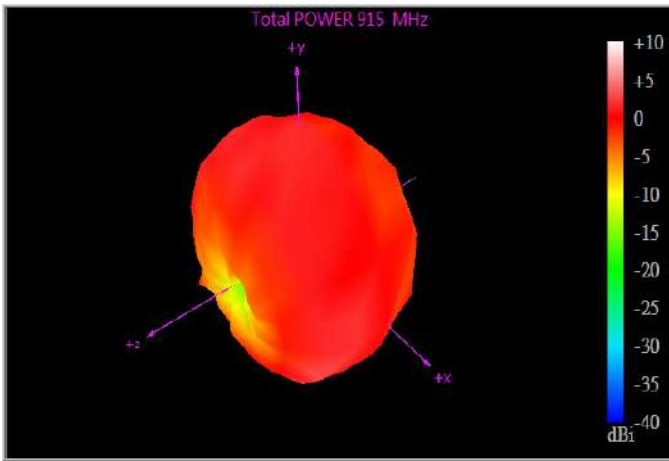




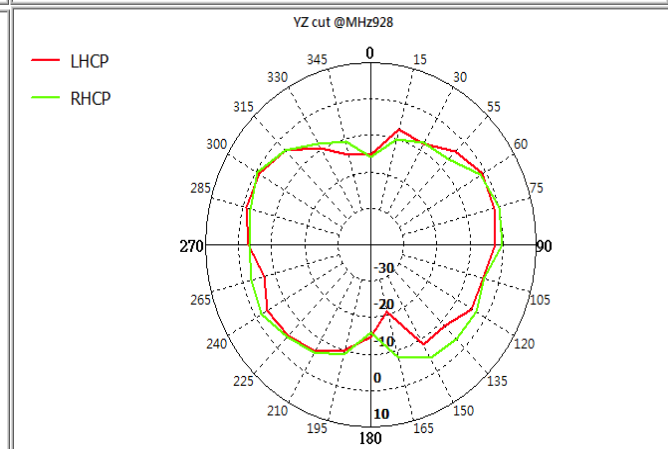
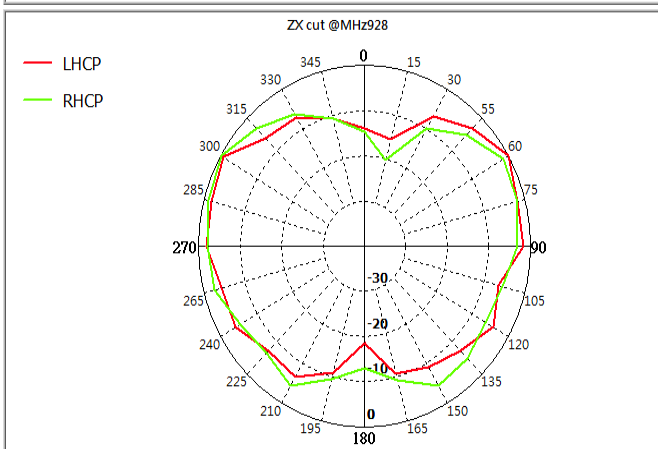
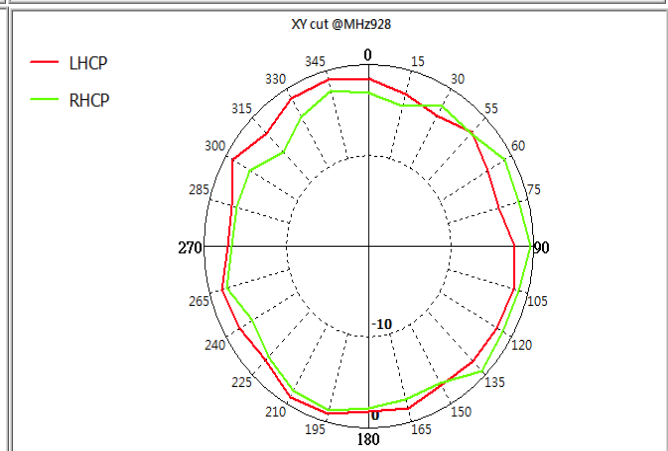
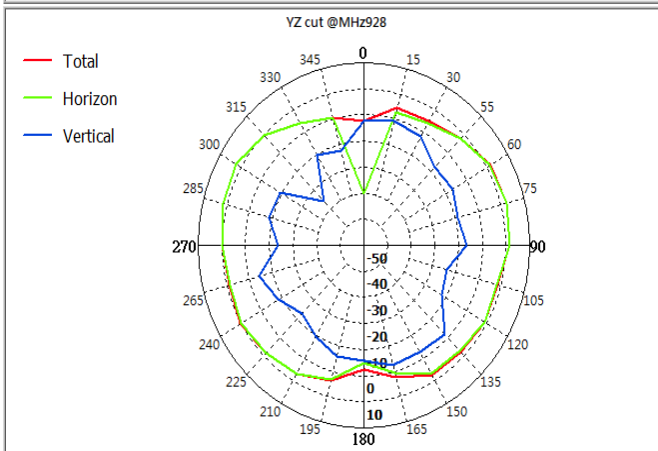
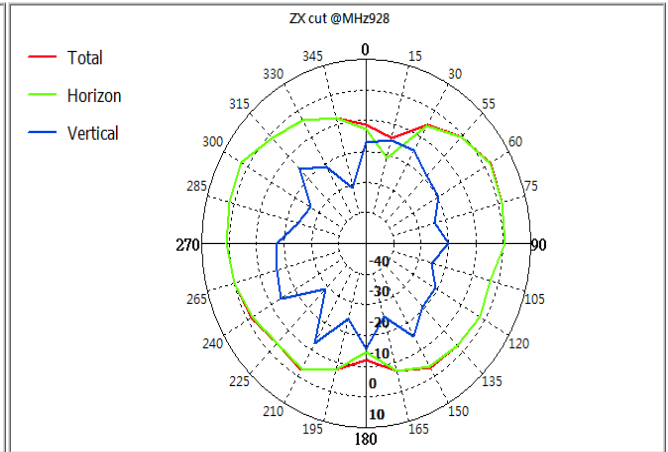
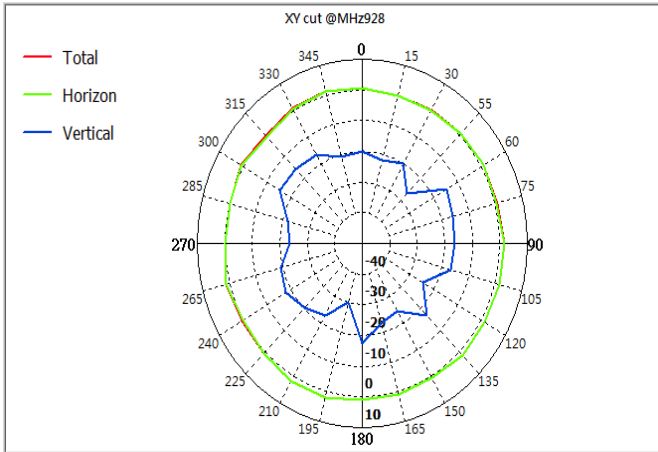
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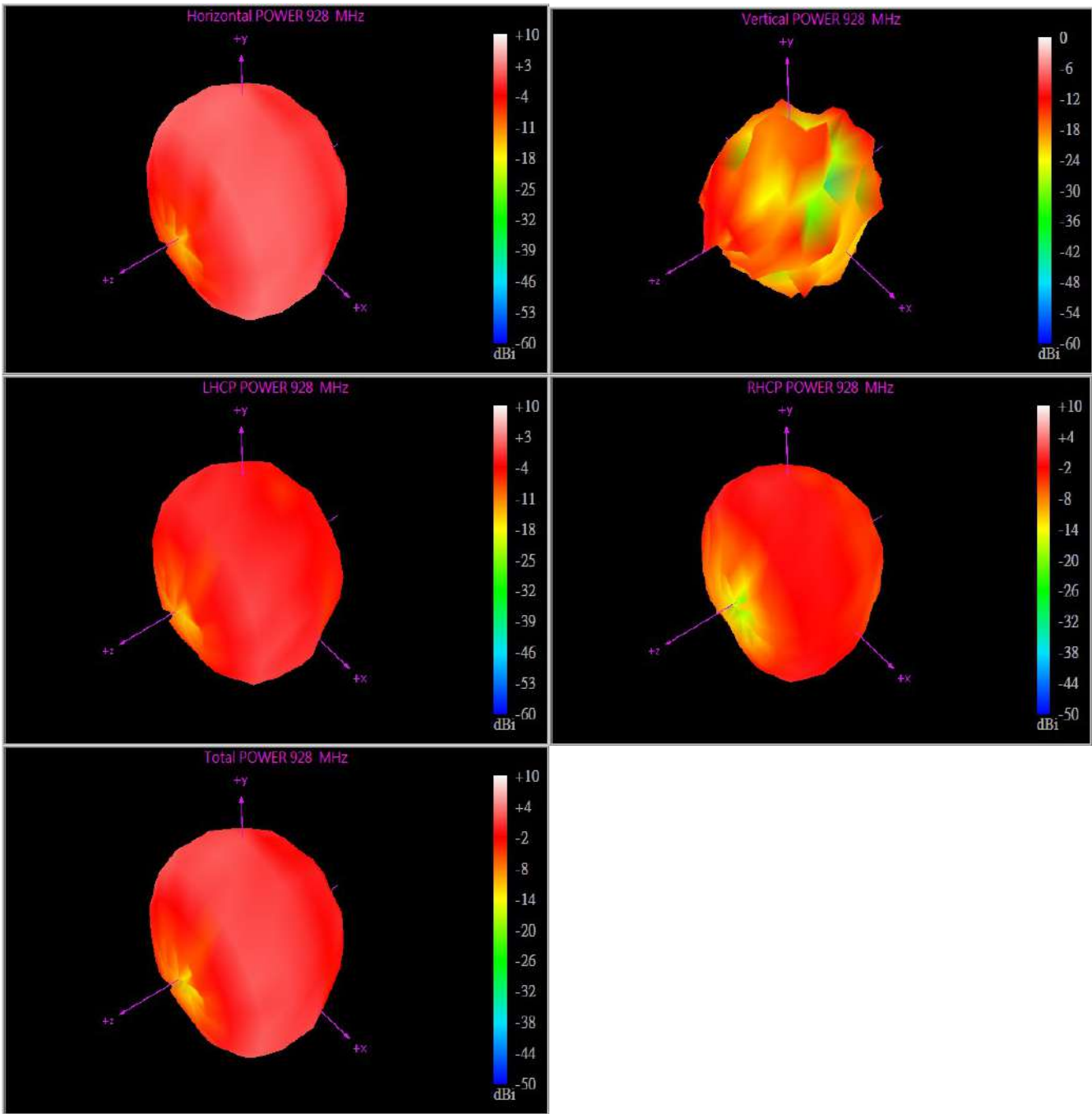




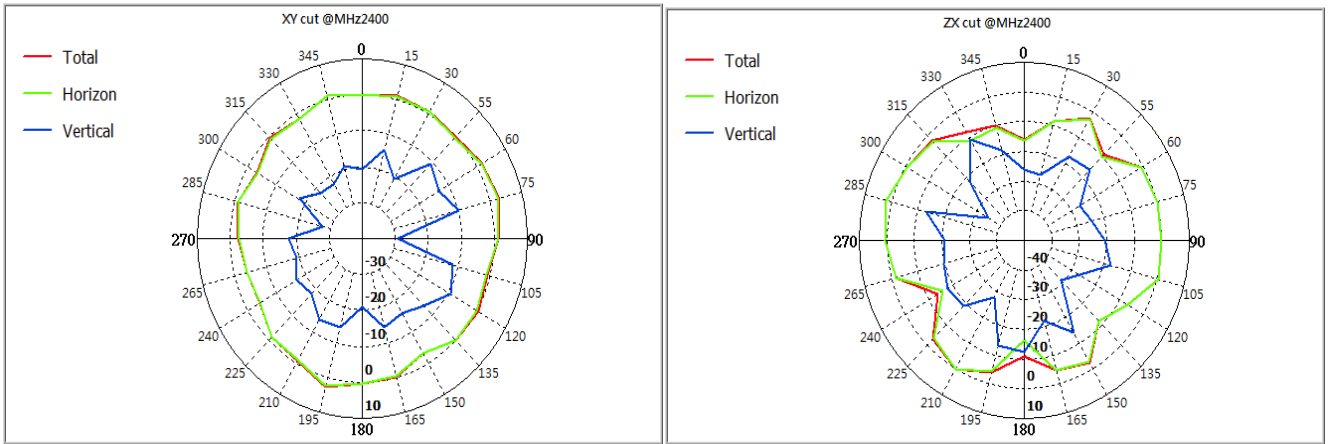
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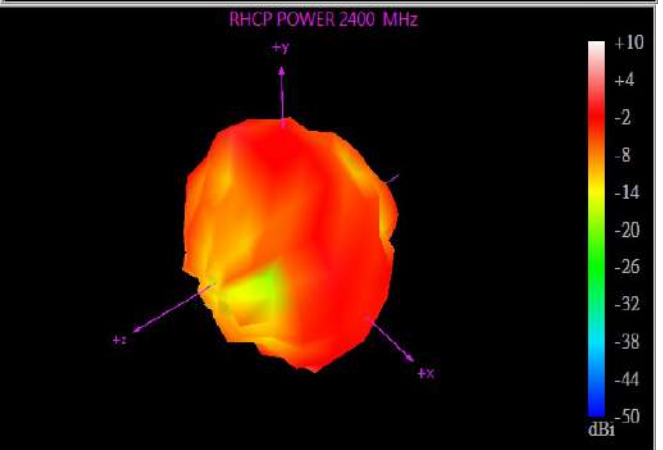
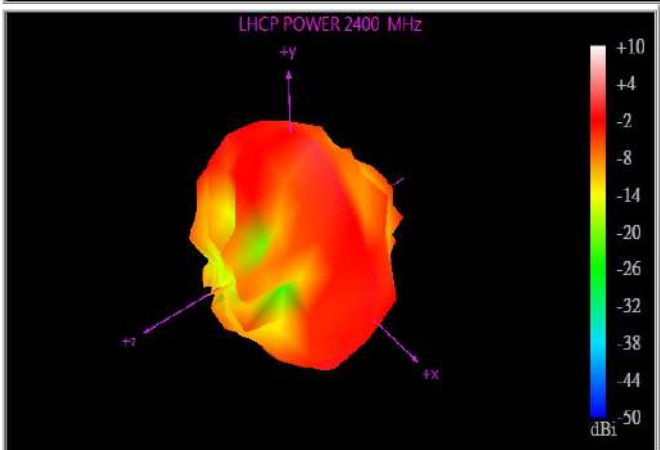
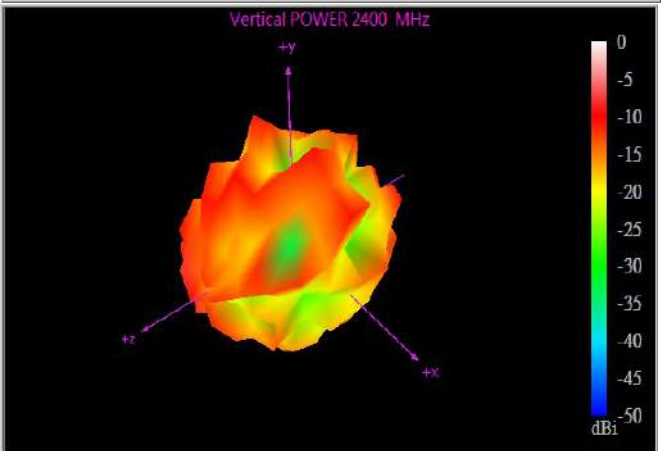
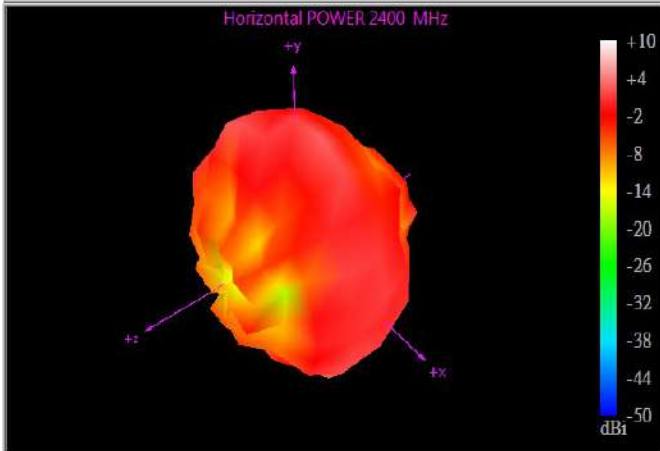
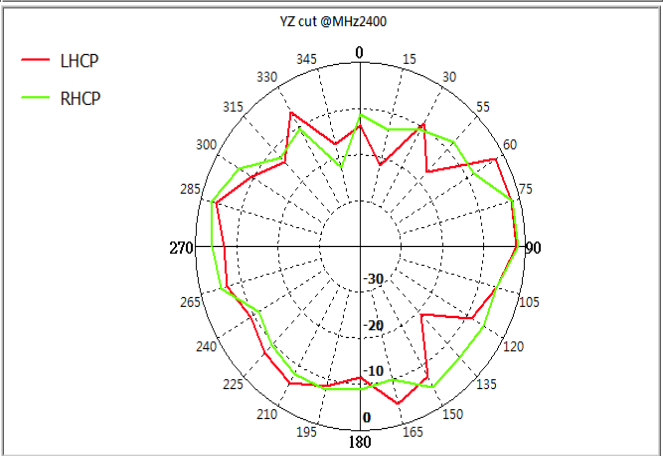
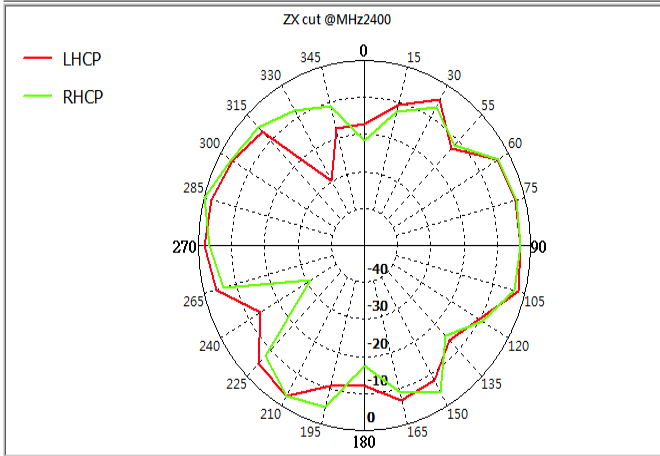
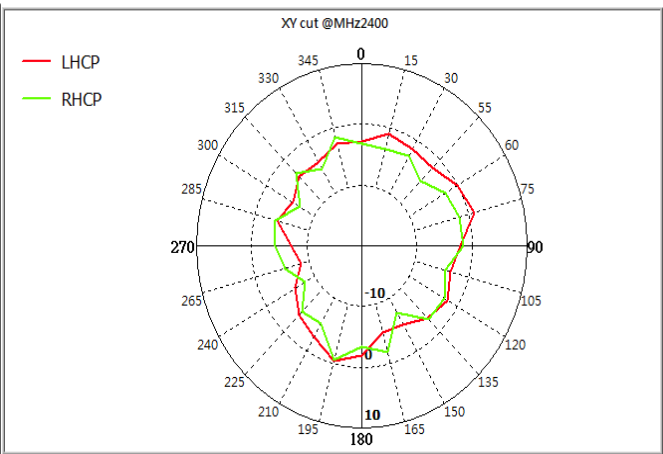
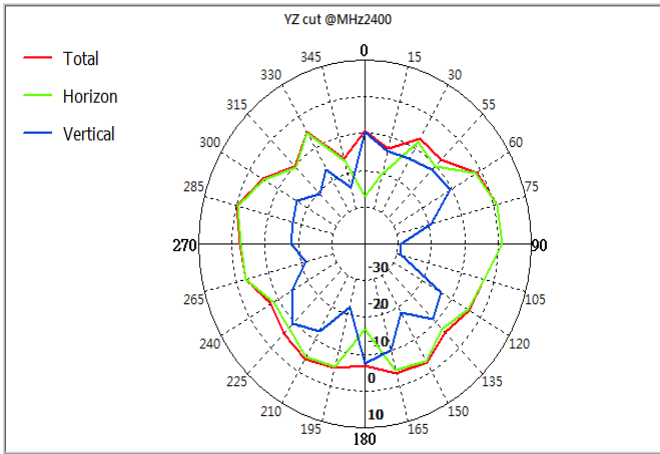


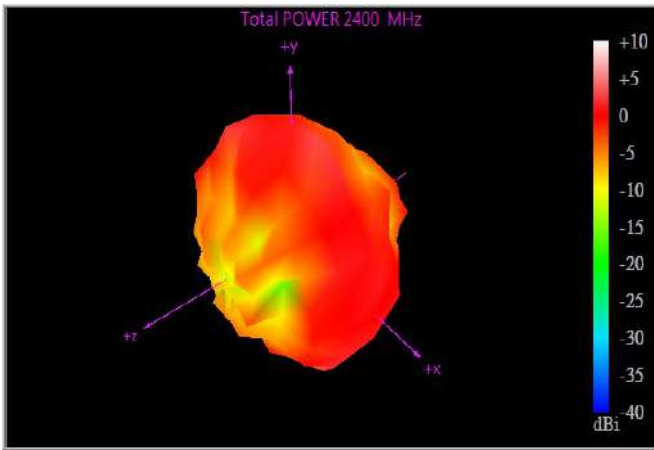




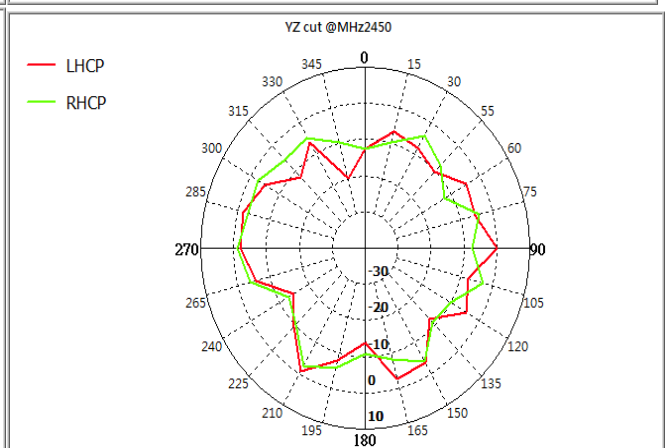
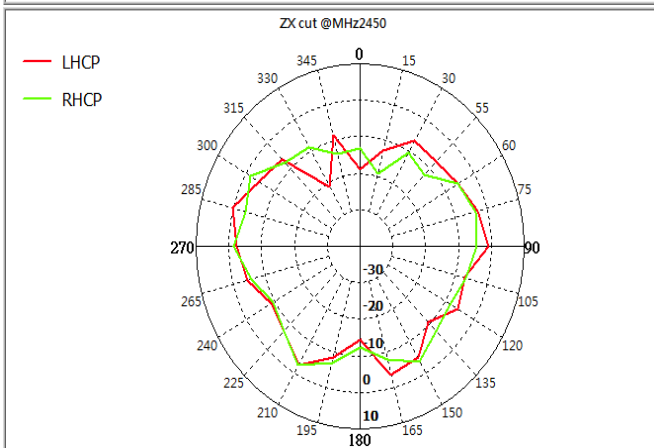
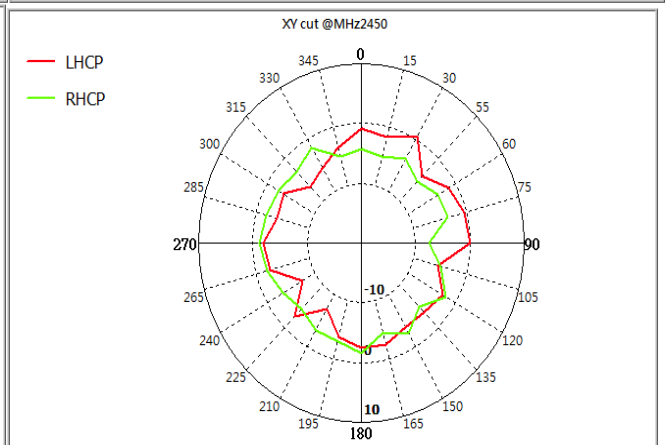
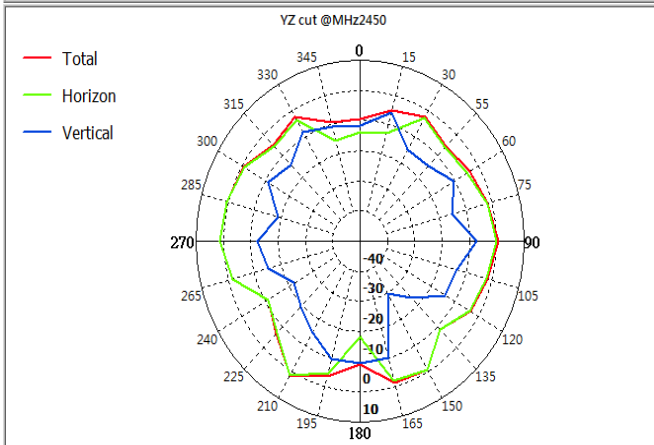
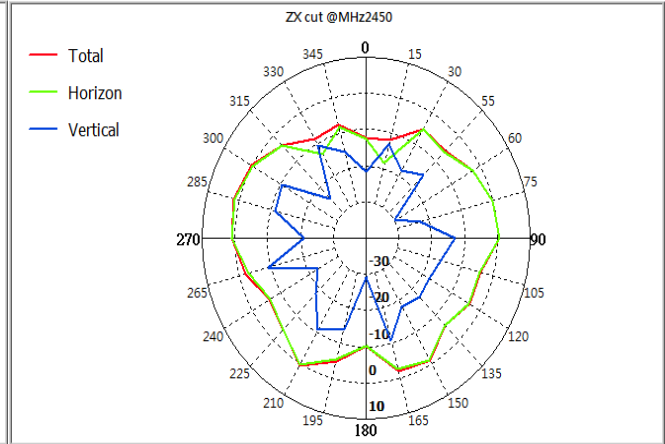
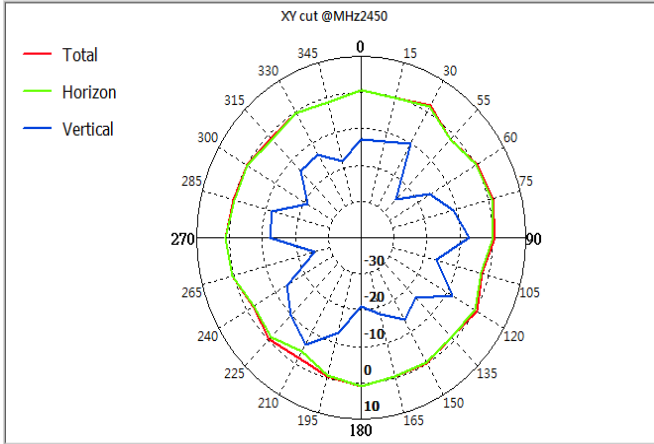
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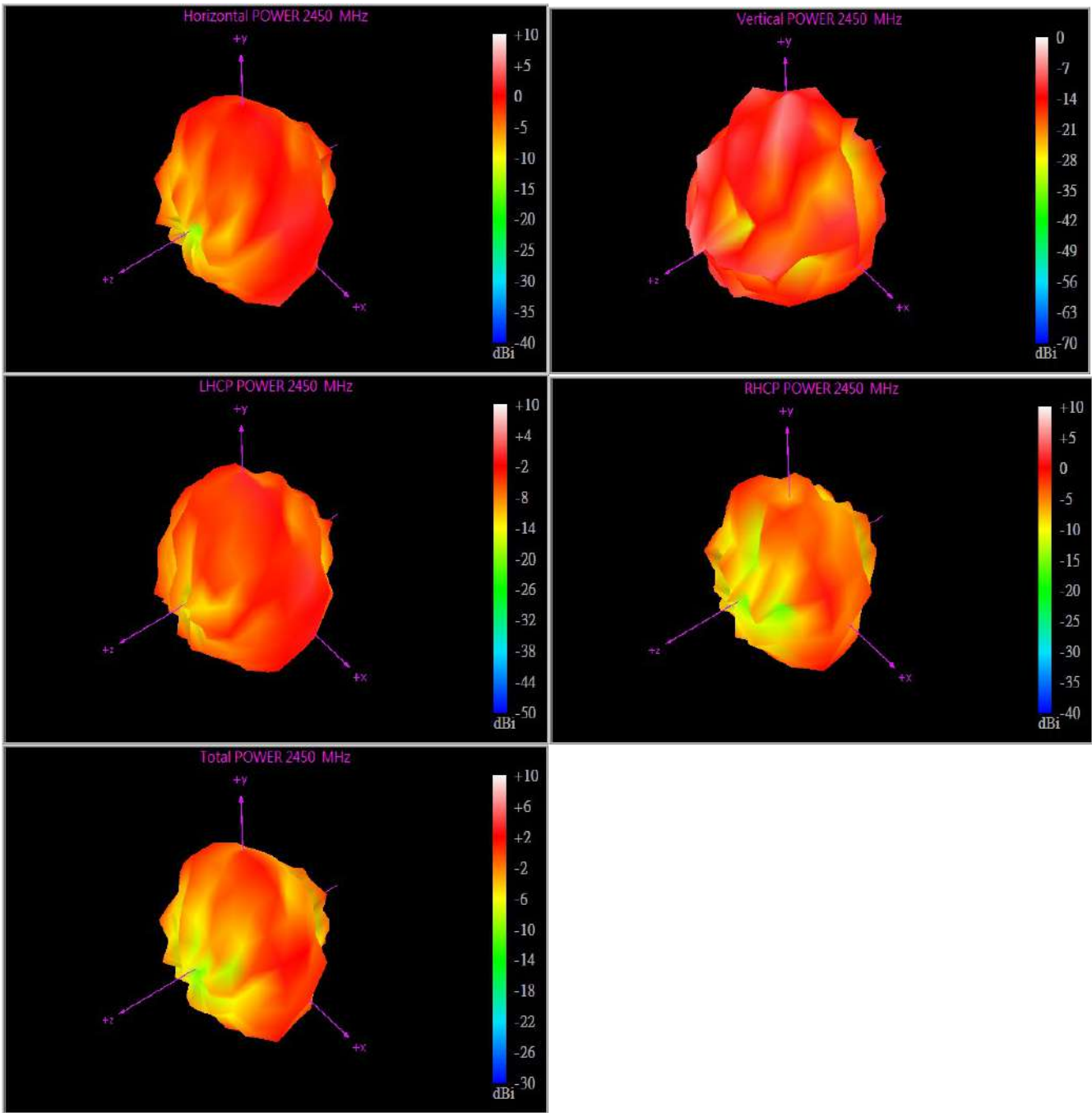






## 2.45Ghz:





**2.5Ghz:**

