

# 900Mhz & 2.4G Dual Band Gooseneck Antenna

MODEL: TH-9024A-TNC(M)



## 1. GENERAL DESCRIPTION

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

Below is a table summarizing the antenna design specification.

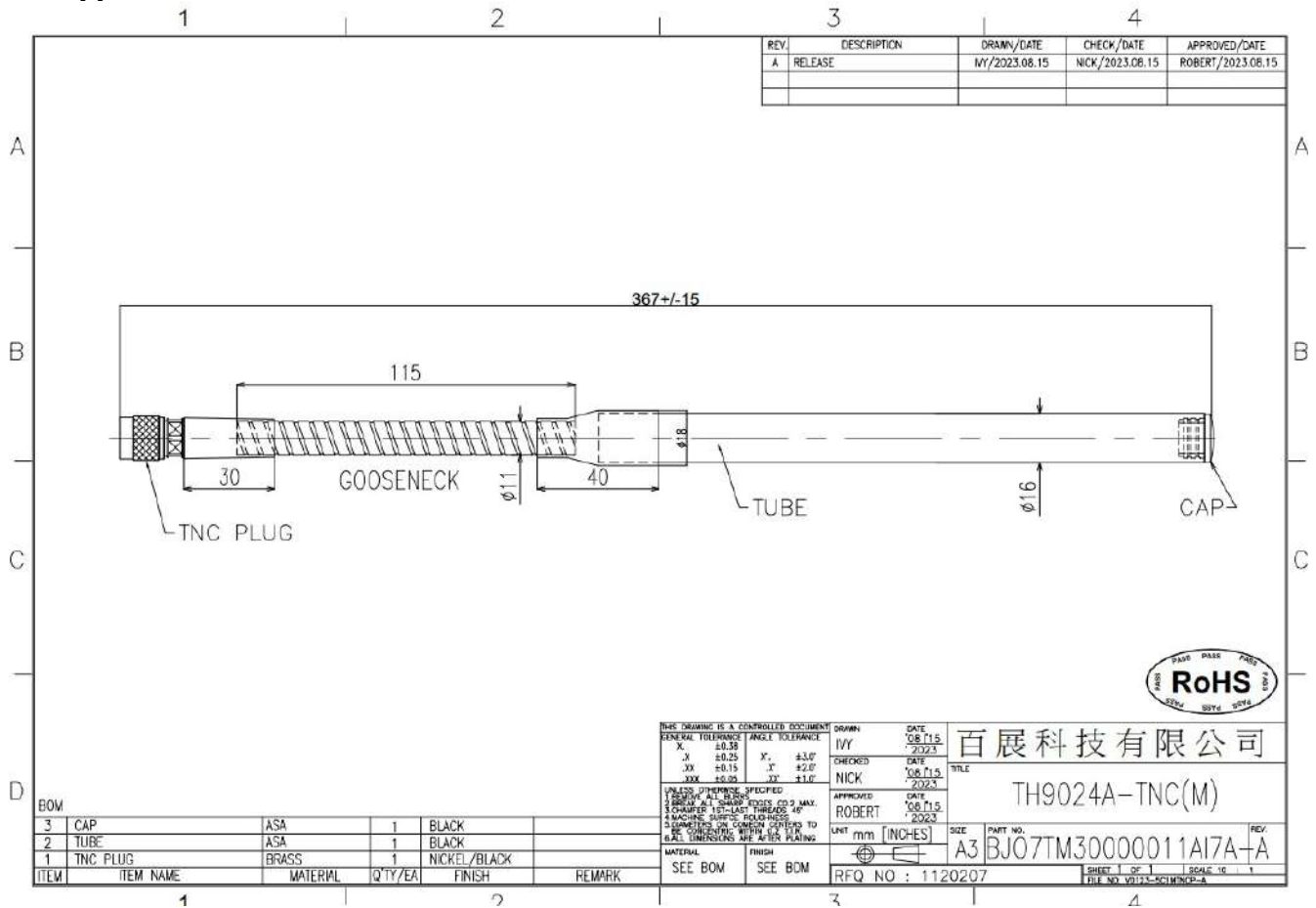
### 1.1 Electrical Properties

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

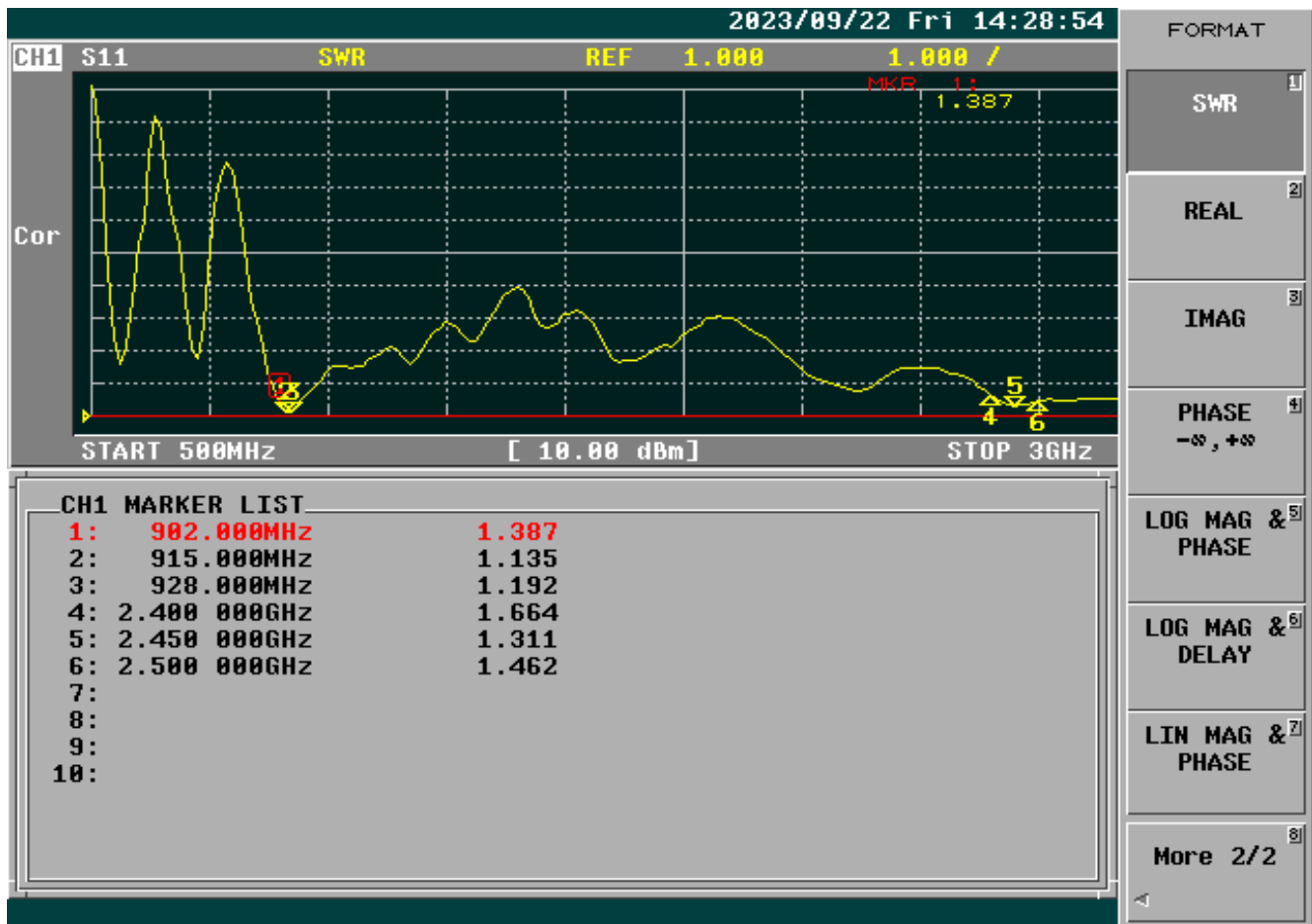
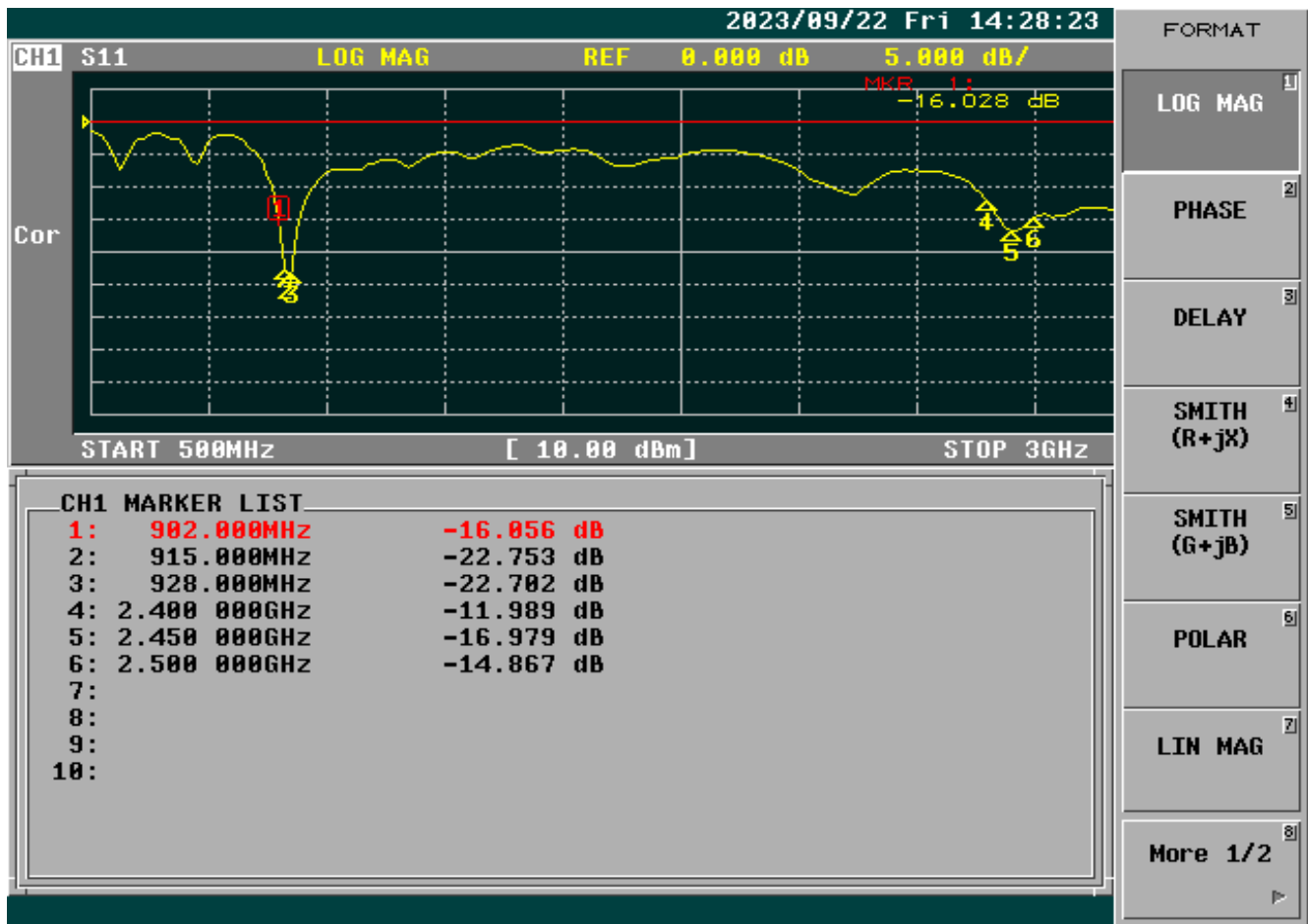
Parameter	Description
Antenna Type	External Antenna
Touch Type	Screw Type
Connector Type	TNC(Male)
Antenna Dimensions	367mm $\pm$ 15
Antenna Color	Black
Operating Temperature Range	-40°C~+85°C
Storage Temperature Range	-40°C~+85°C

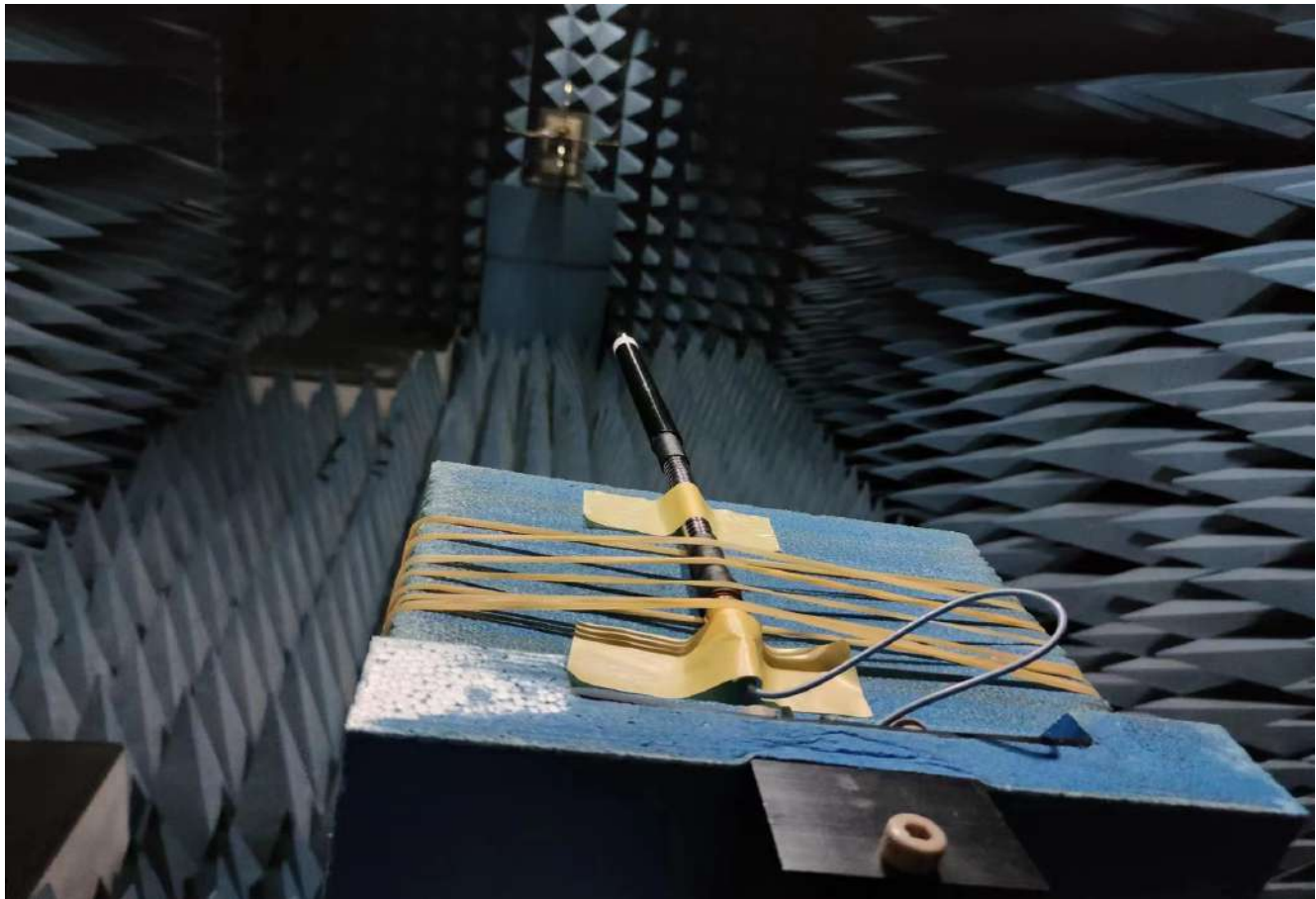
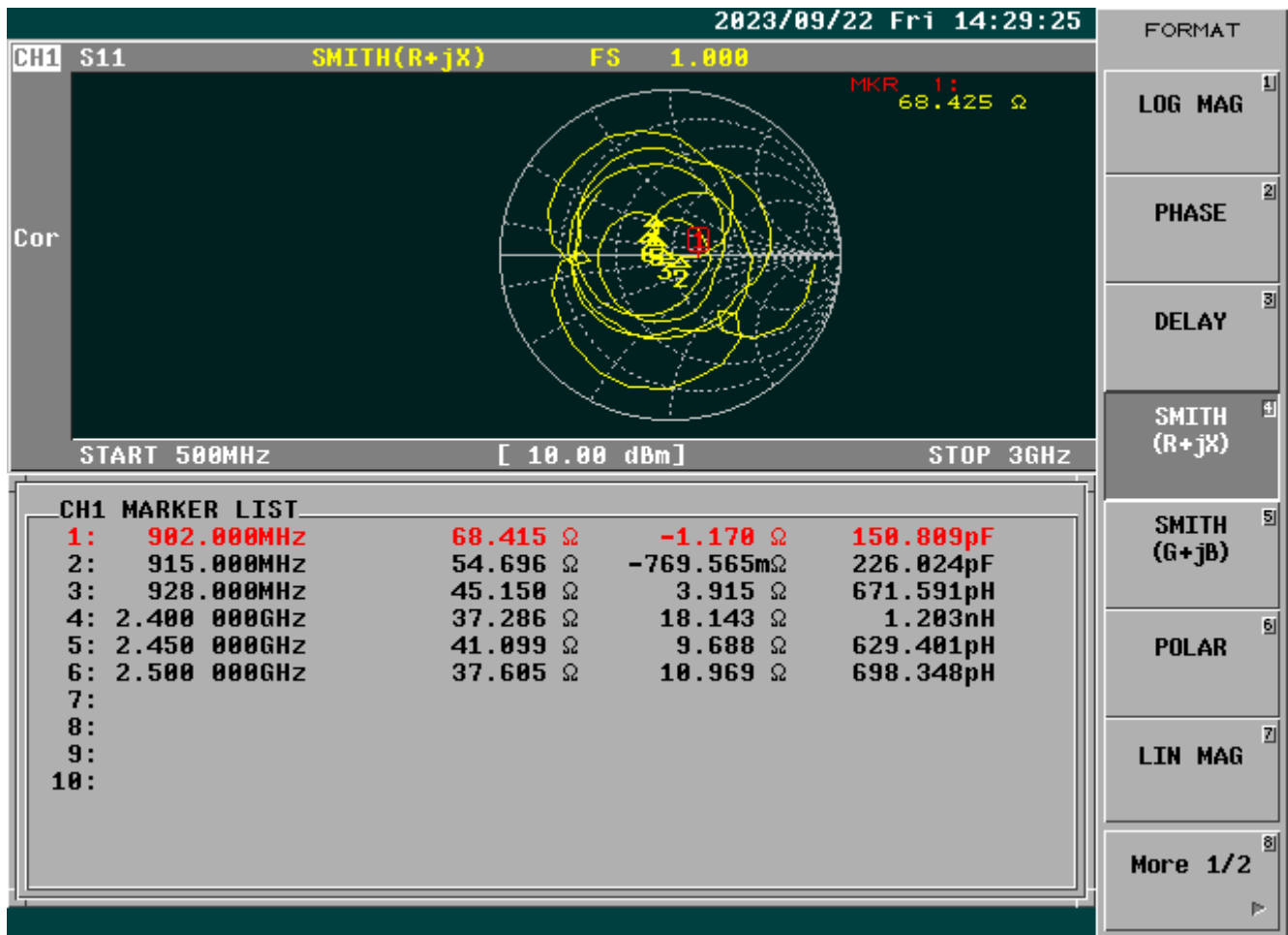
## 2. Appearance



## 3. Frequency



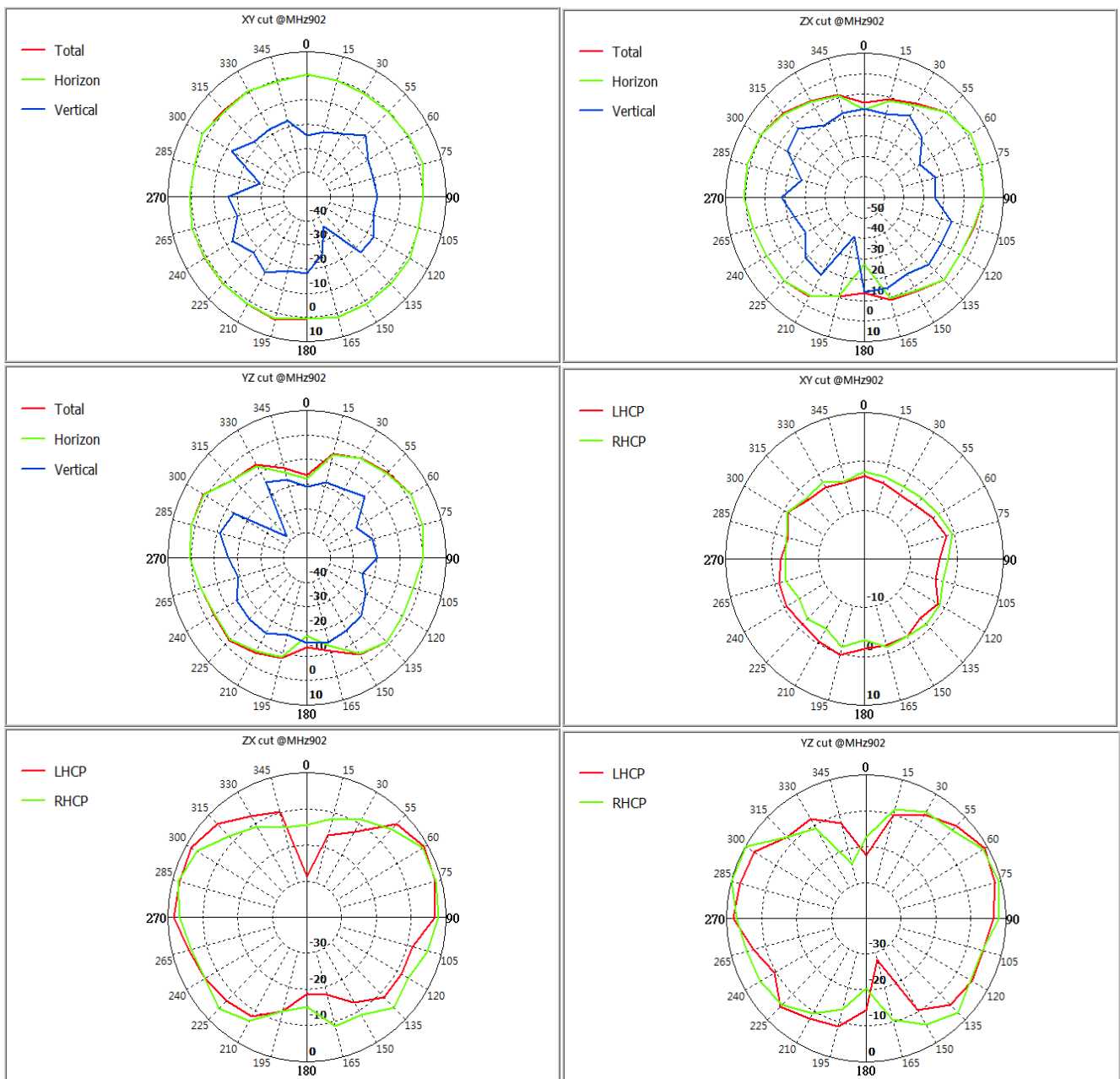


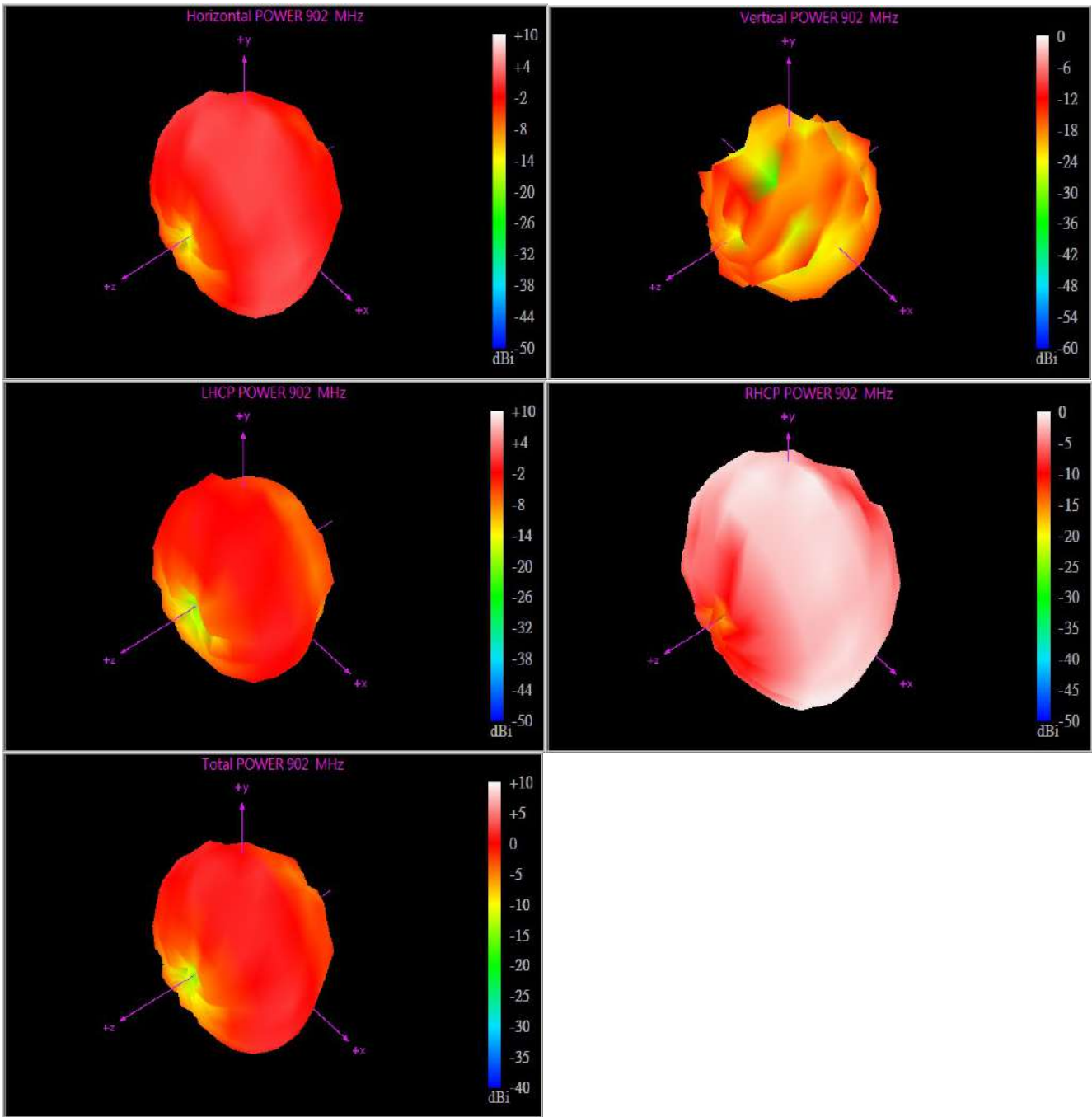


### 3D Total

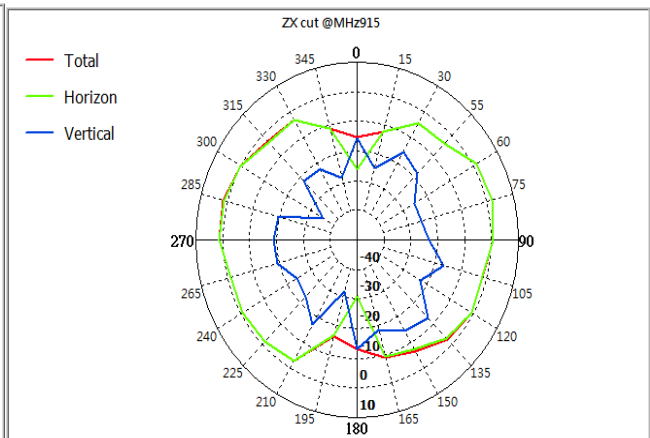
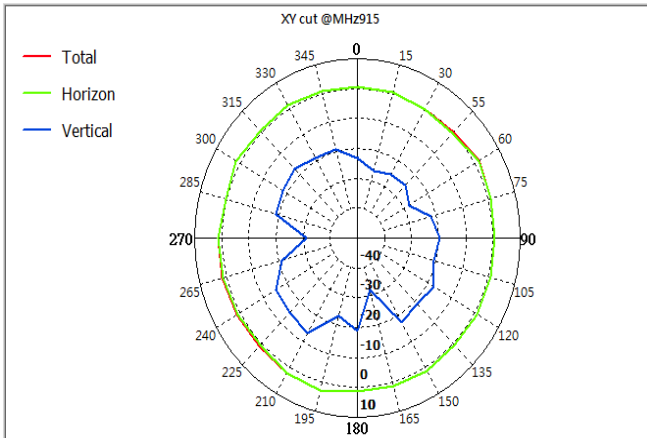
Frequency (MHz)	Upper Hem. PRP (dBm)	Lower HEM. PRP (dBm)	Efficiency (dB)	Efficiency (%)	Gain (dBi)	Tot. Rad.Pwr. (dBm)
902 MHz	-3.49	-5.71	-1.45	71.63	2.59	-1.45
915 MHz	-3.31	-5.04	-1.08	78.04	2.75	-1.08
928 MHz	-2.94	-4.55	-0.66	85.88	3.21	-0.66
930 MHz	-3.02	-4.48	-0.68	85.52	2.90	-0.68
2300 MHz	-5.58	-7.35	-3.36	46.09	2.88	-3.36
2350 MHz	-4.87	-6.23	-2.49	56.41	4.51	-2.49
2400 MHz	-5.43	-6.24	-2.81	52.37	3.42	-2.81
2450 MHz	-5.14	-5.90	-2.50	56.26	2.48	-2.50
2500 MHz	-5.37	-5.71	-2.52	55.95	3.54	-2.52
2600 MHz	-4.92	-5.22	-2.06	62.29	4.49	-2.06

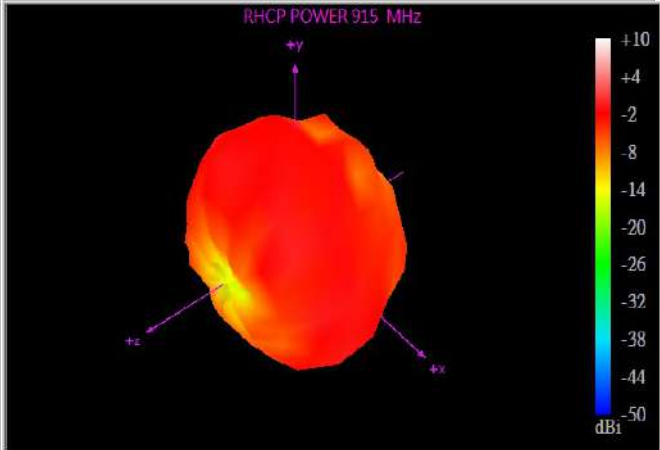
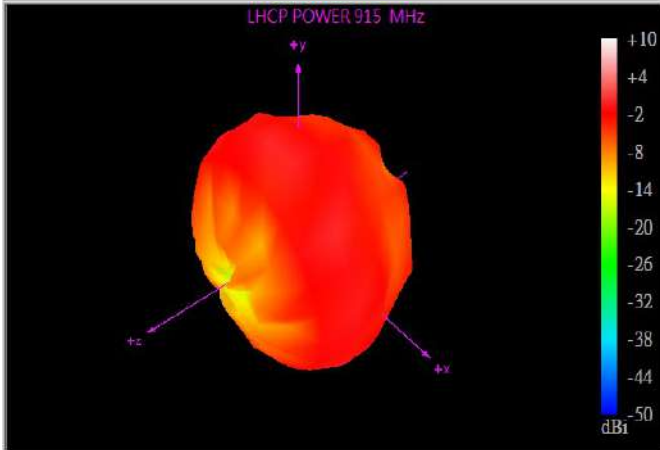
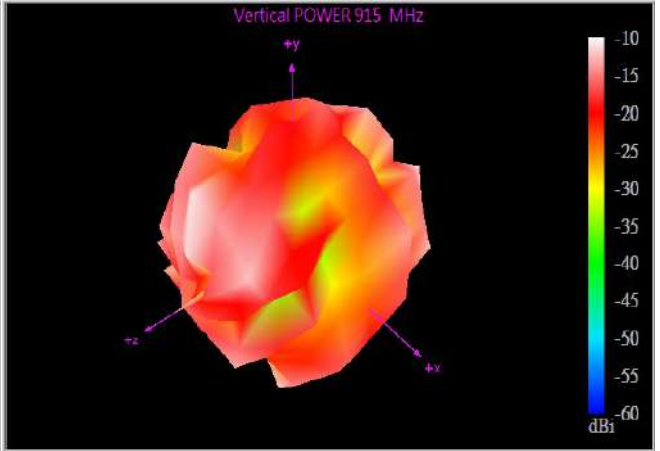
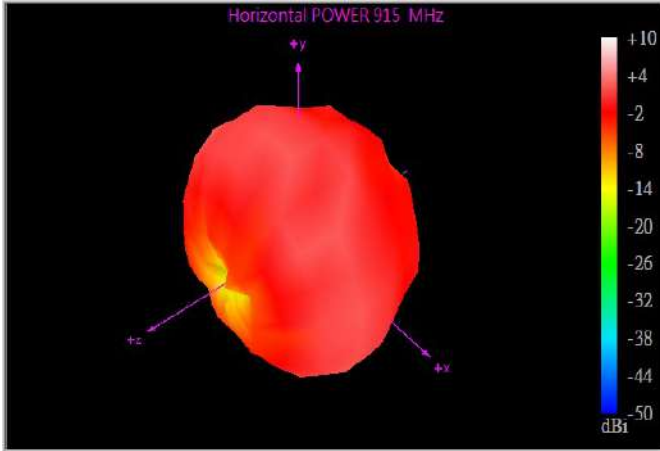
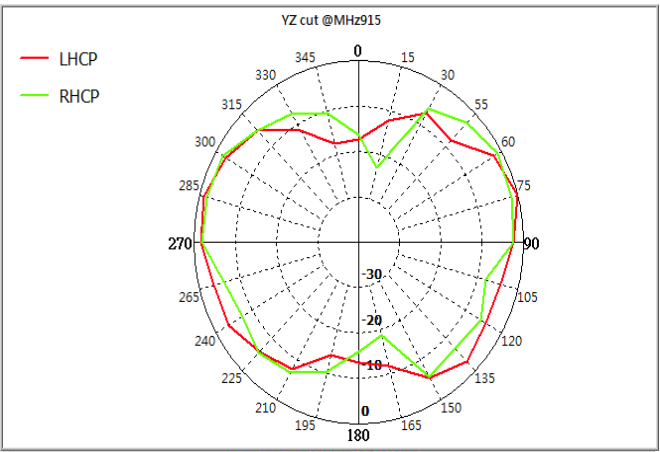
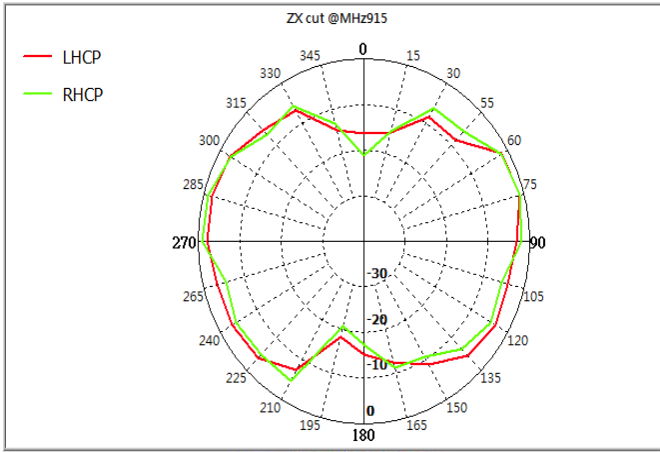
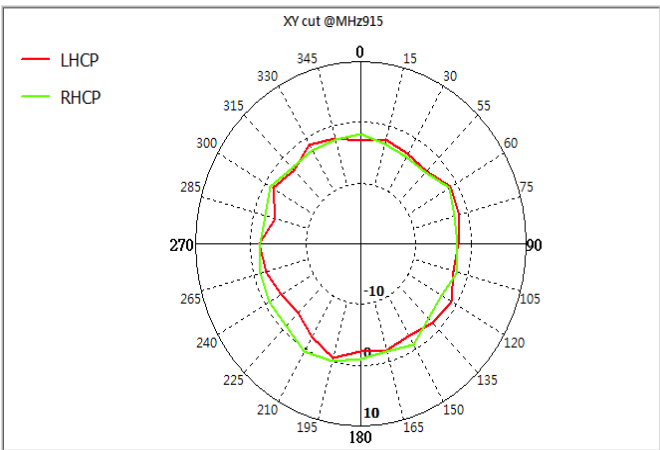
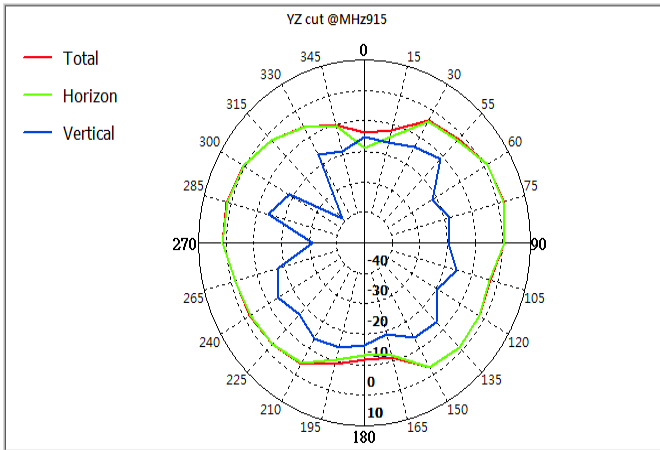
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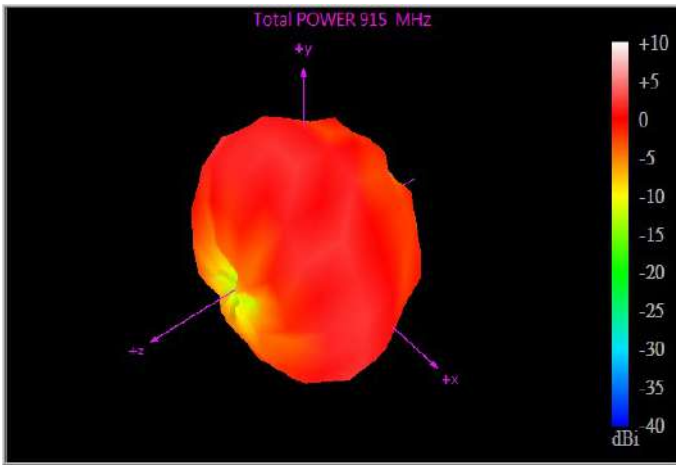




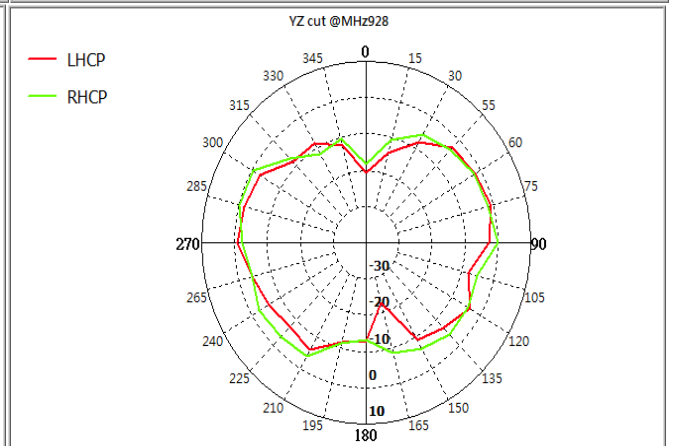
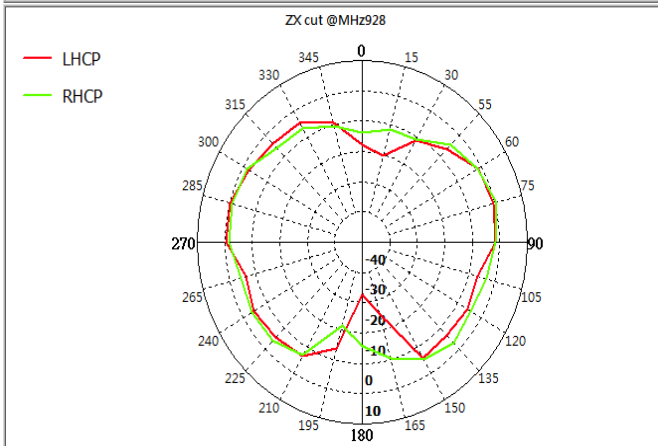
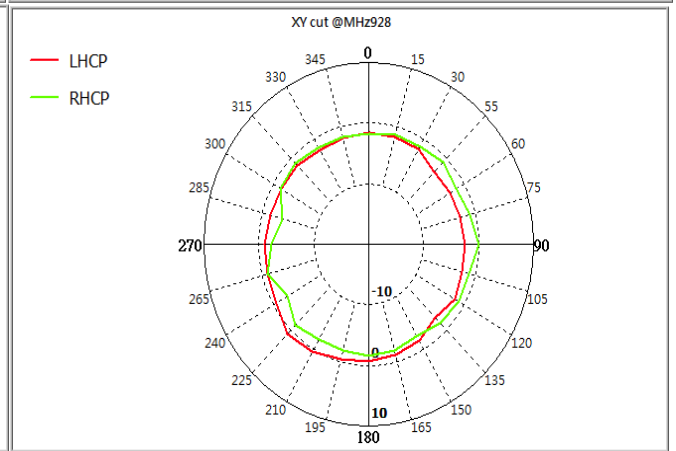
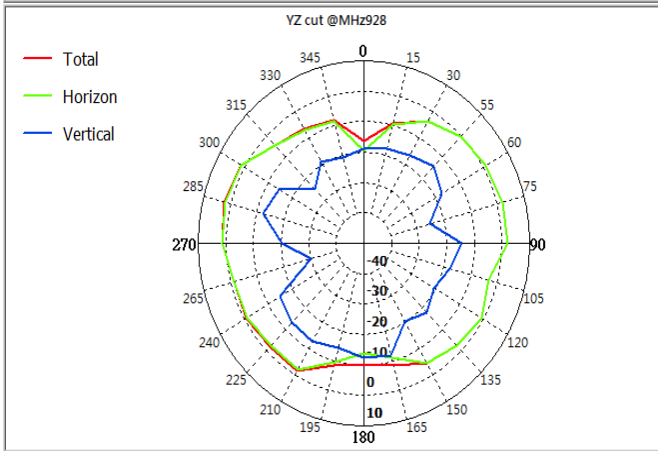
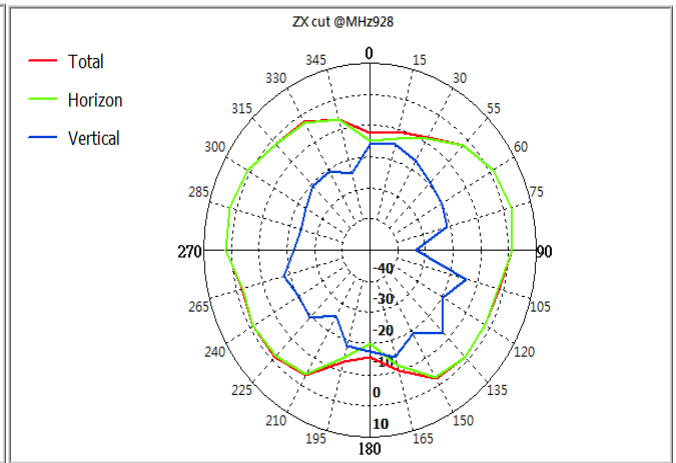
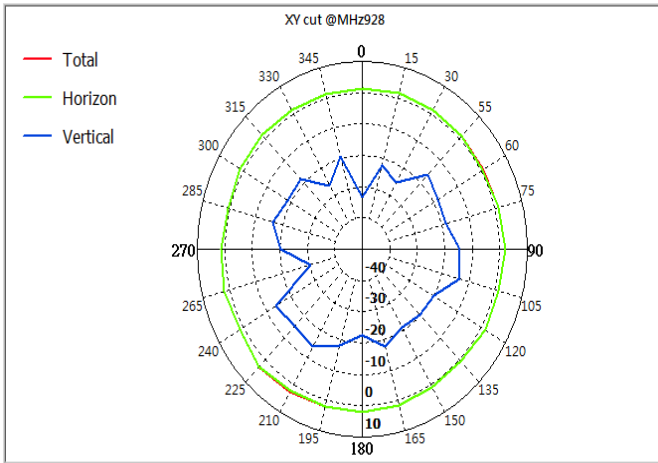
**915Mhz:**



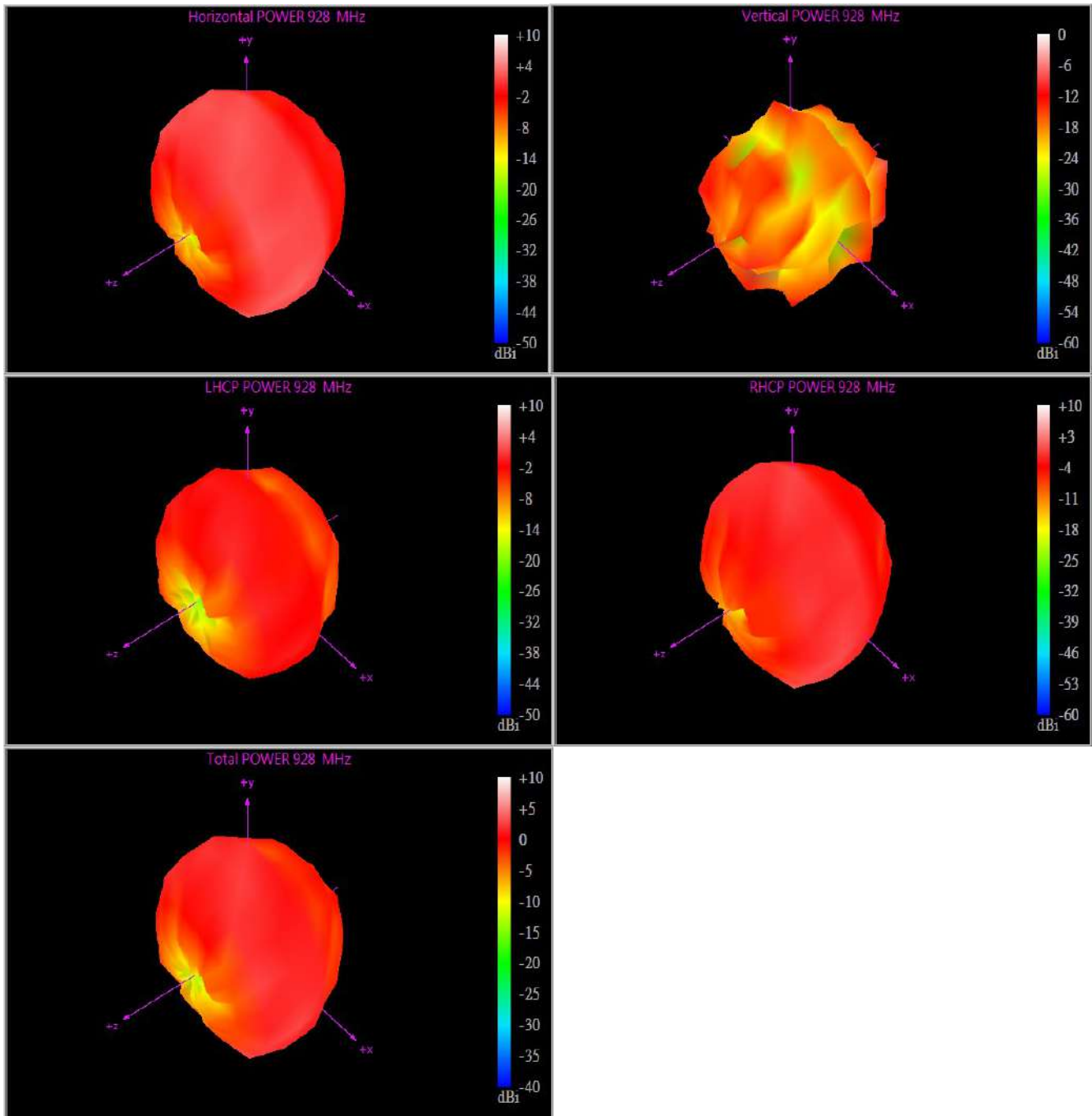




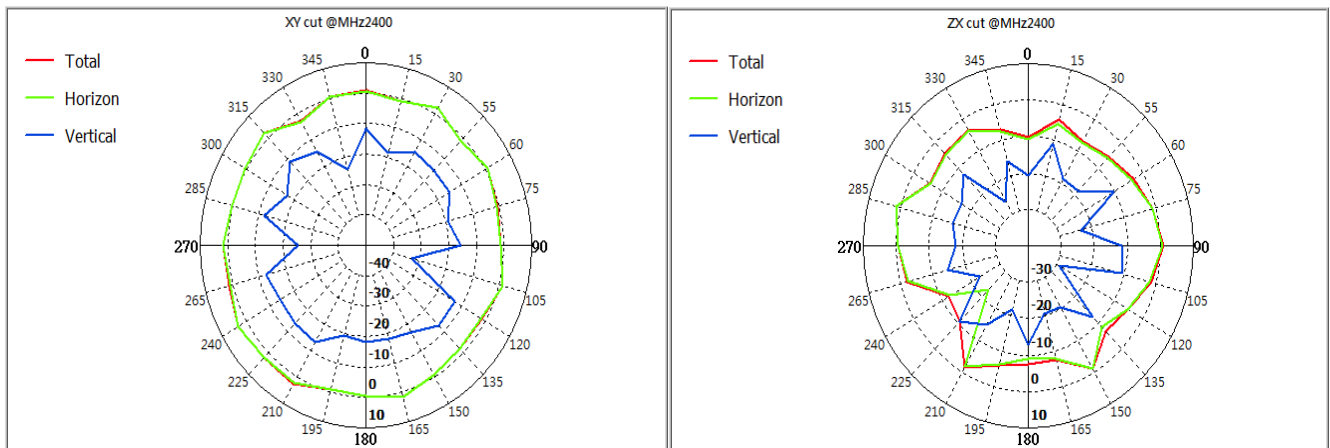
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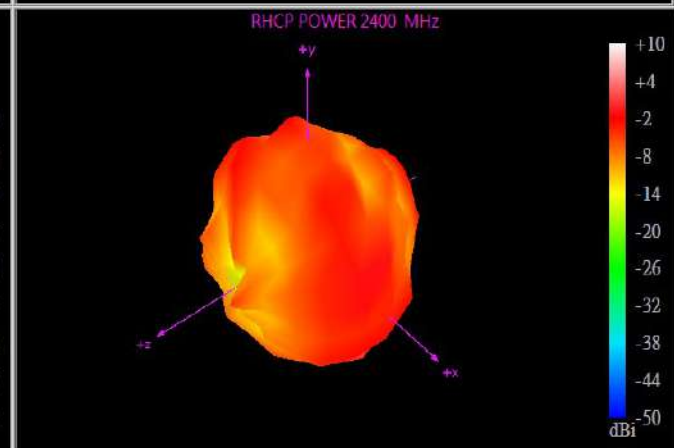
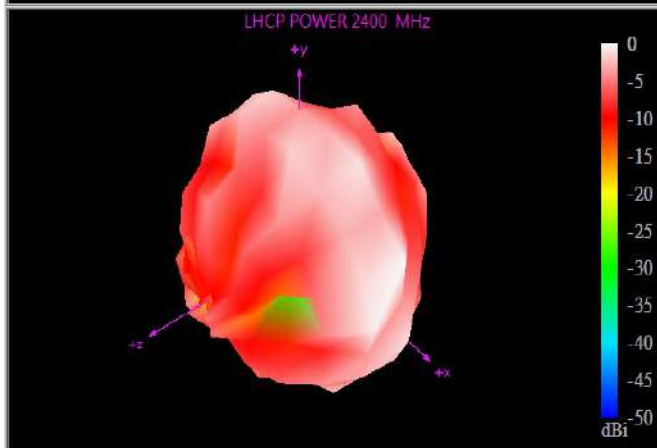
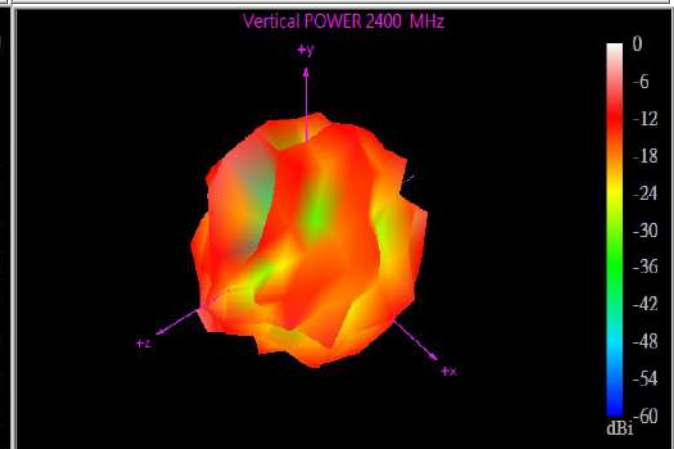
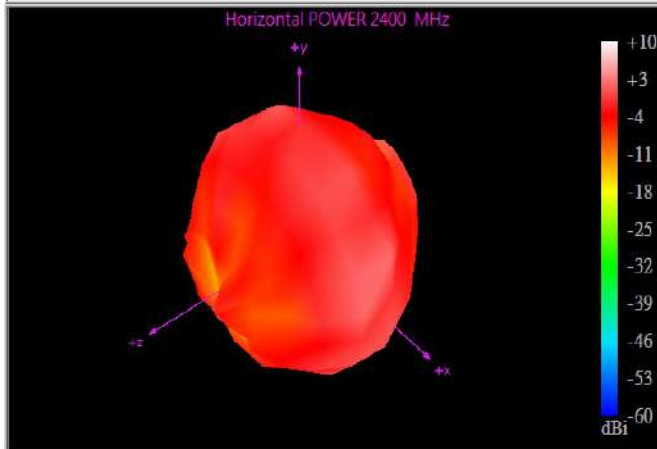
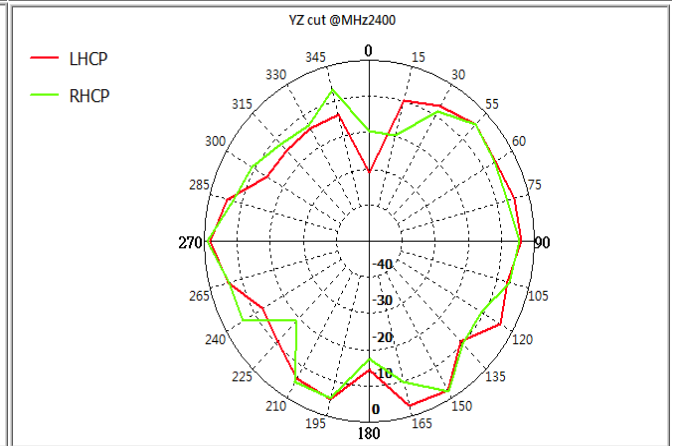
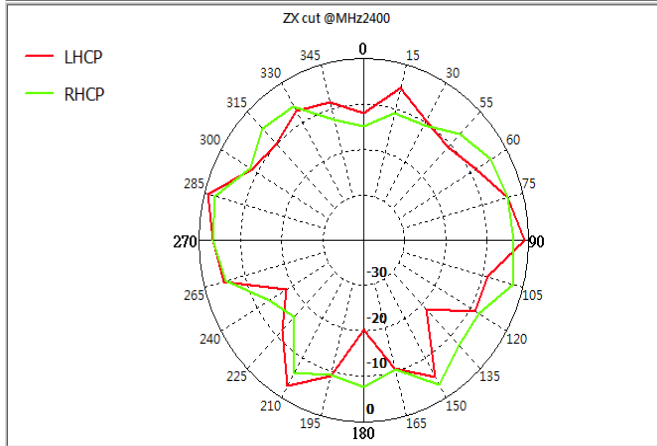
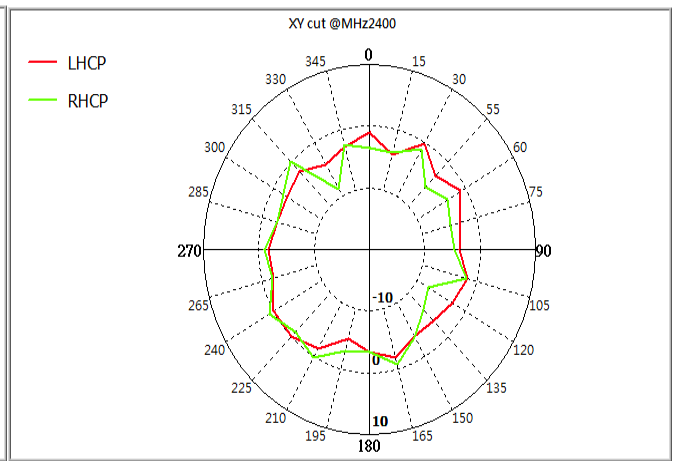
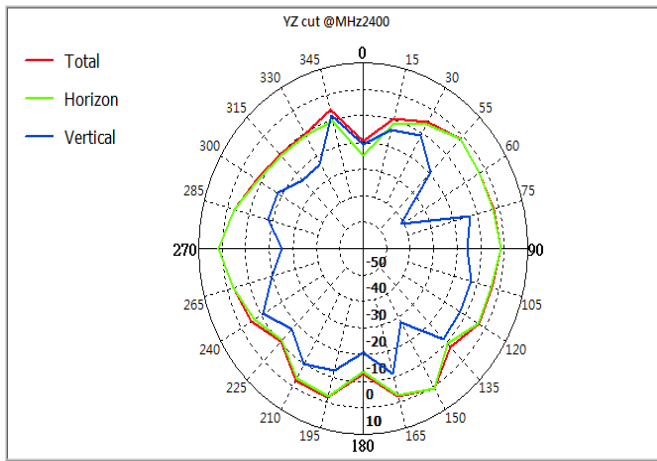


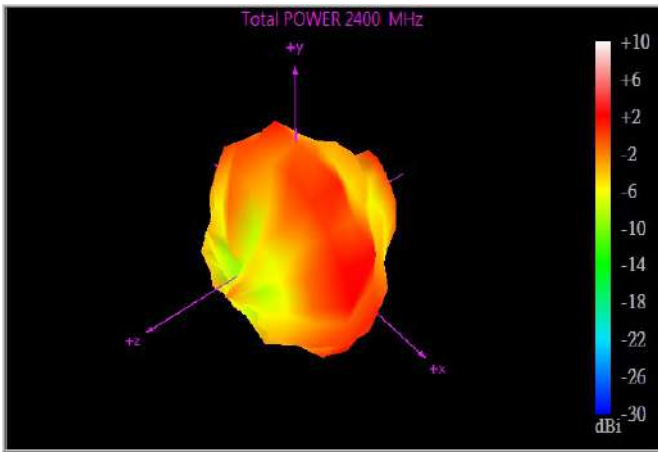




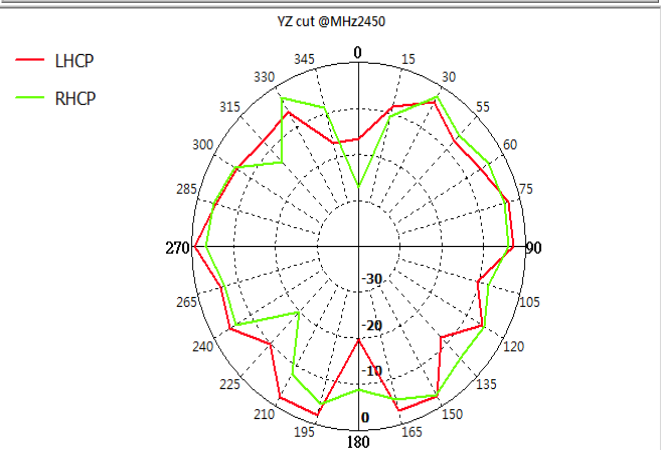
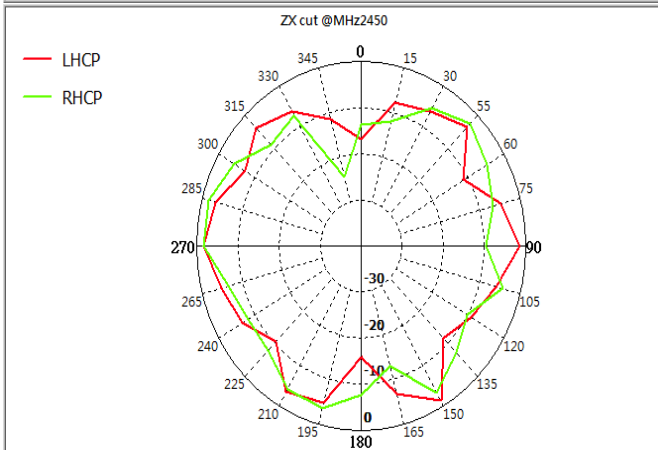
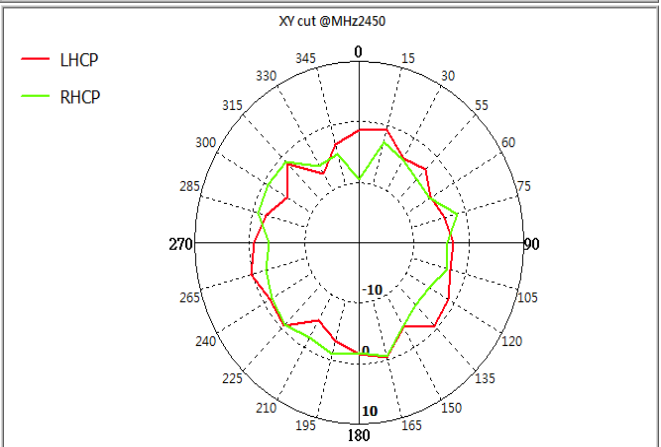
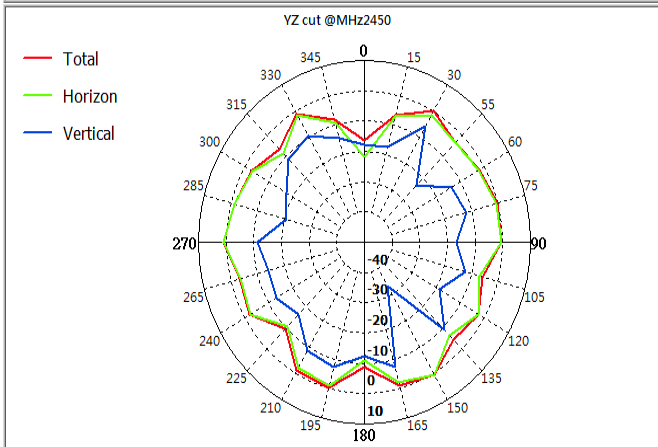
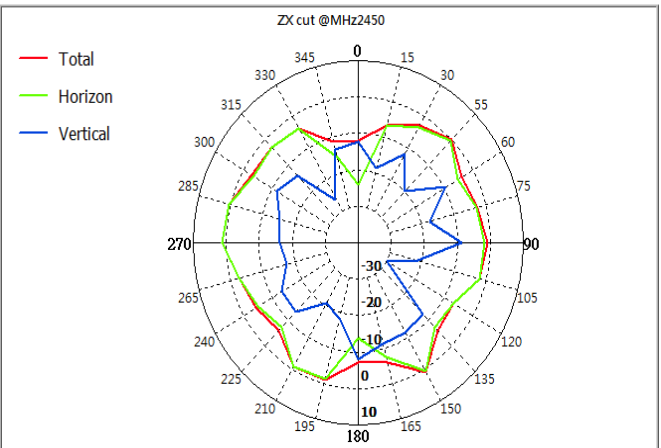
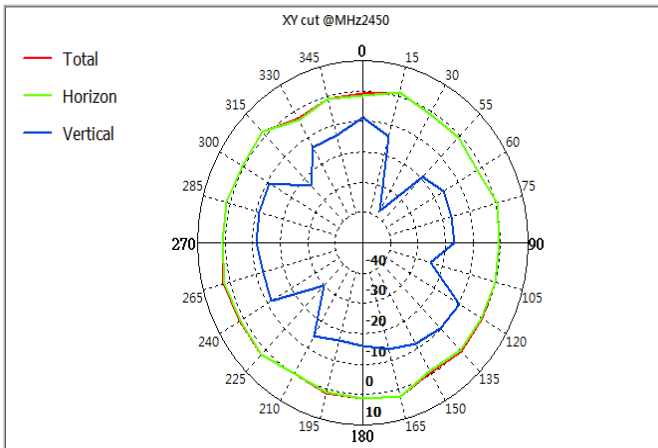
**2.4Ghz:**

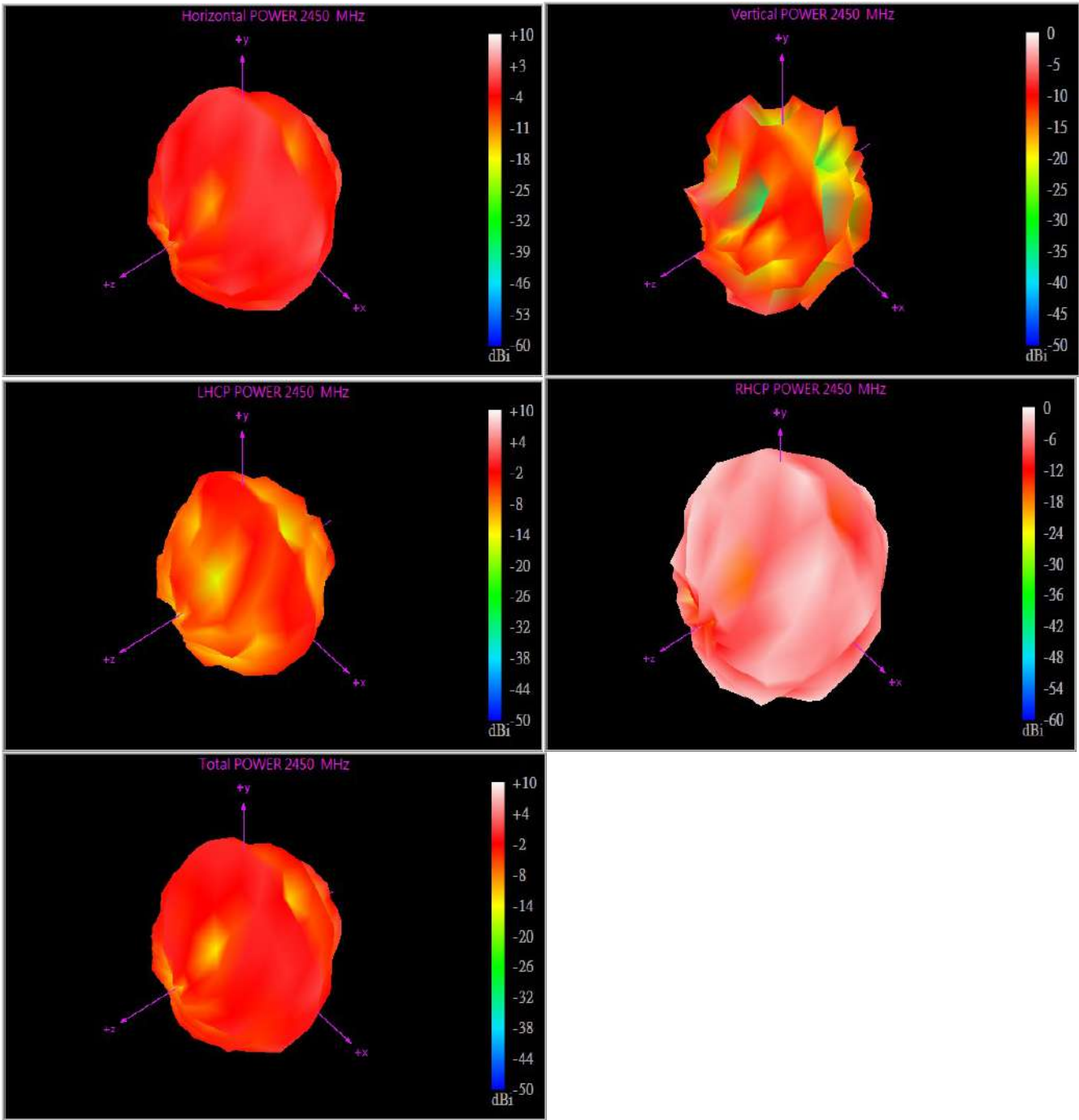






## 2.45Ghz:





**2.5Ghz:**

