

L & 2.4G & S Band Gooseneck Antenna

MODEL: TH-1438D-TNC(M)



1. GENERAL DESCRIPTION

Model No	P/N
TH-1438D	TH1438D-TNC(M)

Below is a table summarizing the antenna design specification.

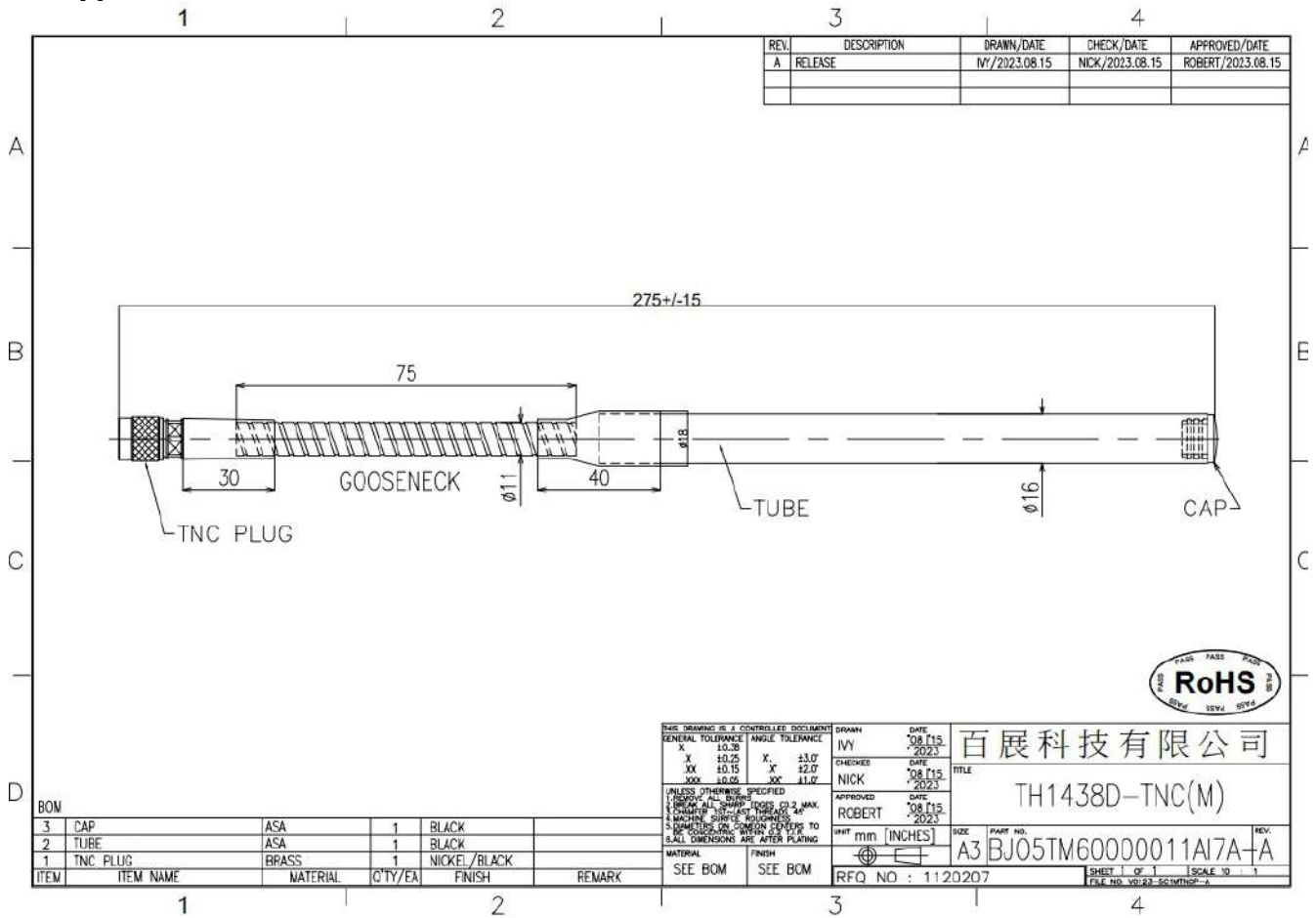
1.1 Electrical Properties

Parameter	Description
Frequency Band	1350~1450MHz & 2.2~2.5Ghz ON GND
Nominal Impedance	50 ohm
Polarization	Vertical
Electrical Wave	Dipole
Return Loss	Please See Data-1
V.S.W.R	2.5 : 1
Gain	2.5db

1.2 Mechanical Properties

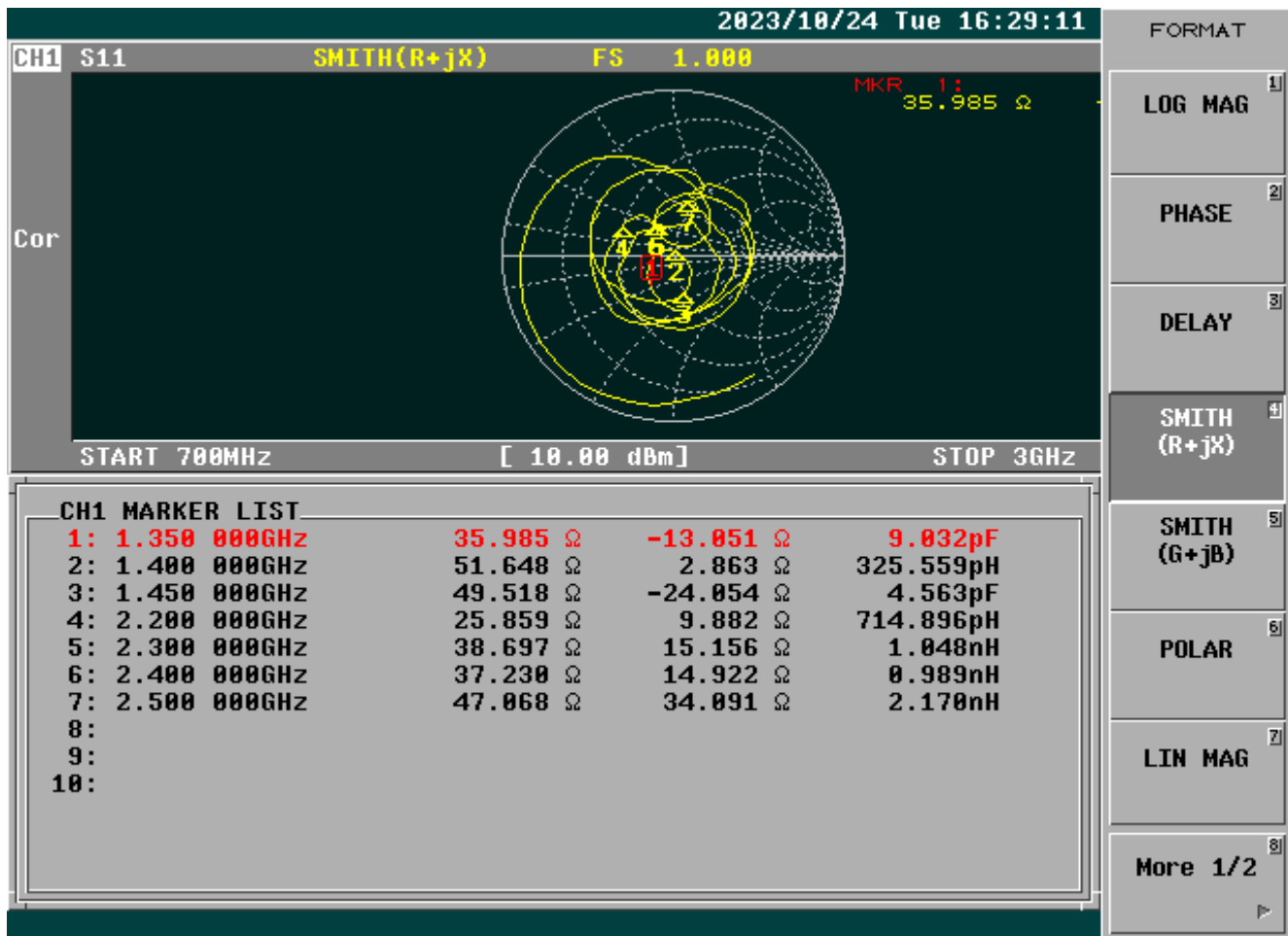
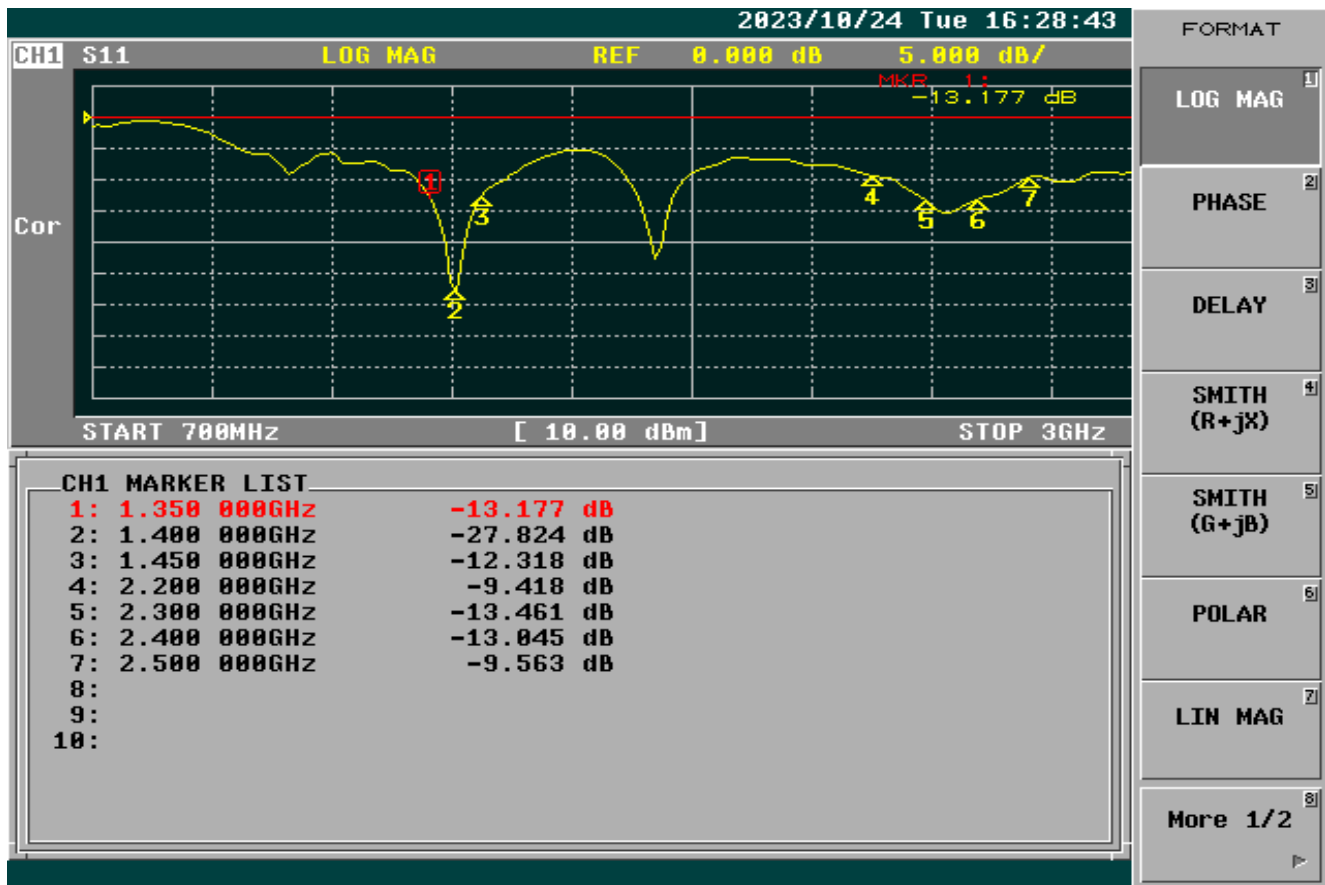
Parameter	Description
Antenna Type	External Antenna
Touch Type	Screw Type
Connector Type	TNC(Male)
Antenna Dimensions	275mm \pm 15
Antenna Color	Black
Operating Temperature Range	-40°C~+85°C
Storage Temperature Range	-40°C~+85°C

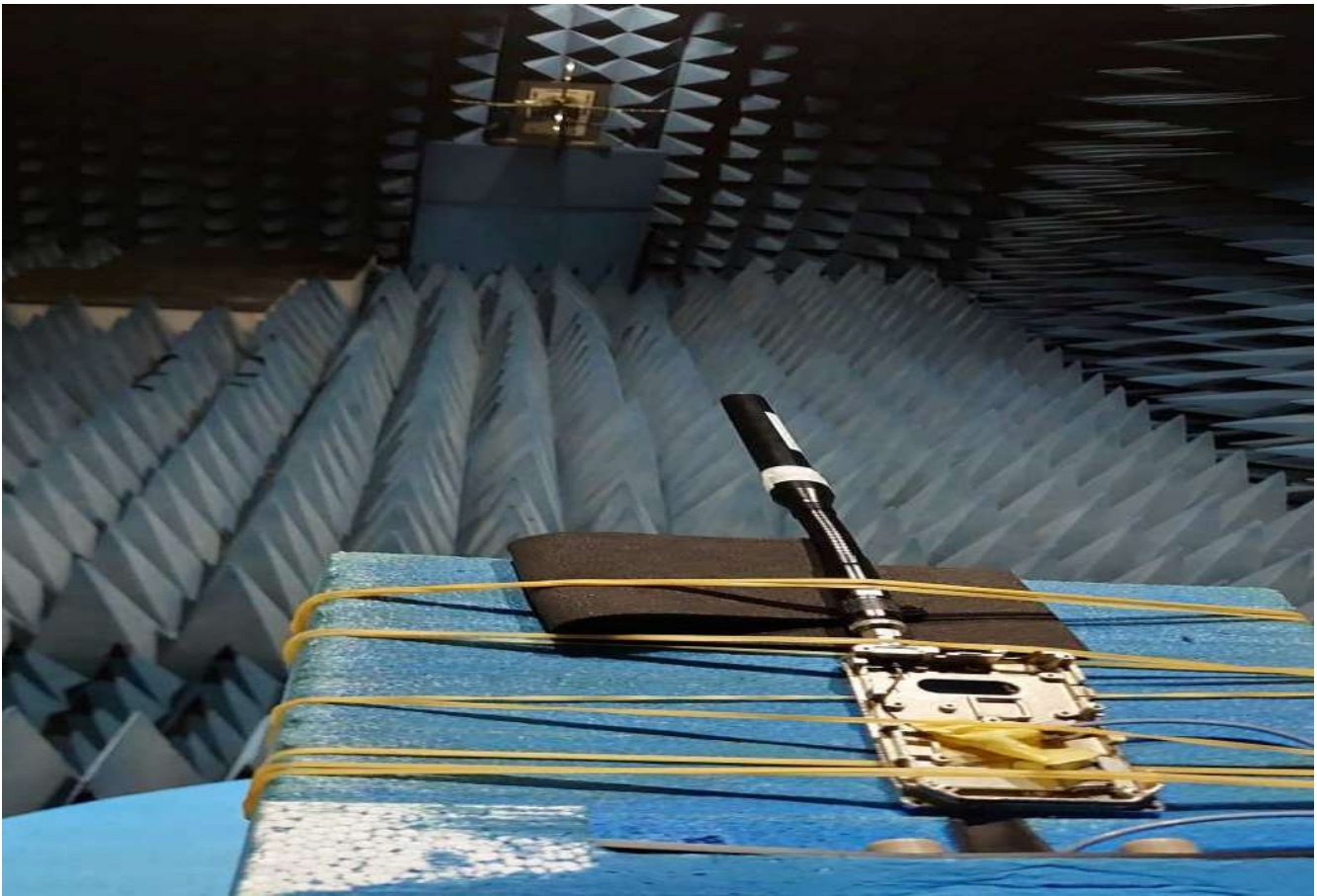
2. Appearance



3. Frequency



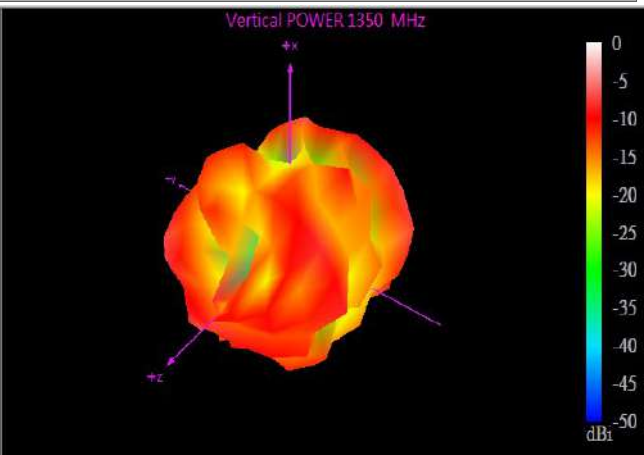
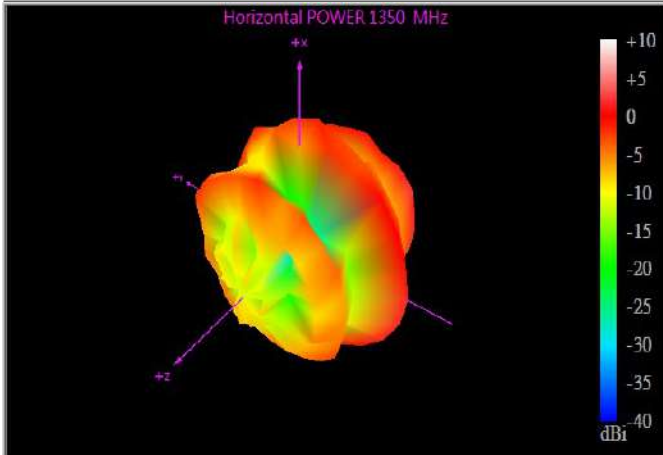
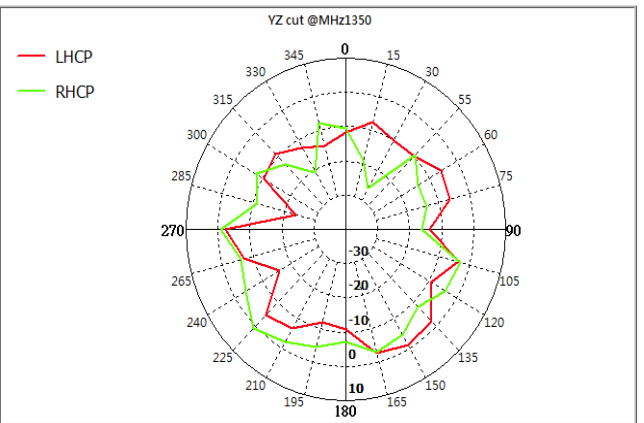
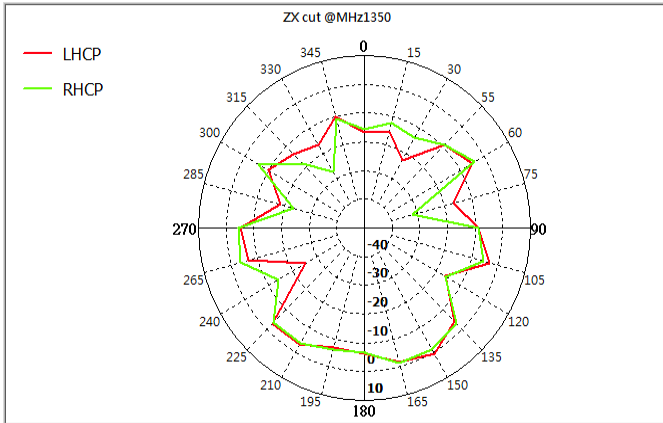
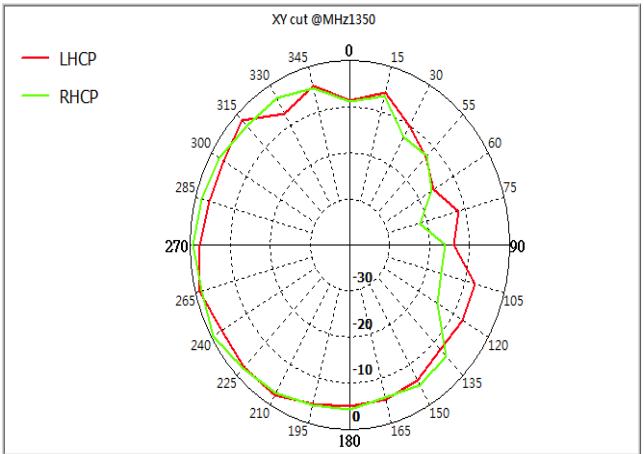
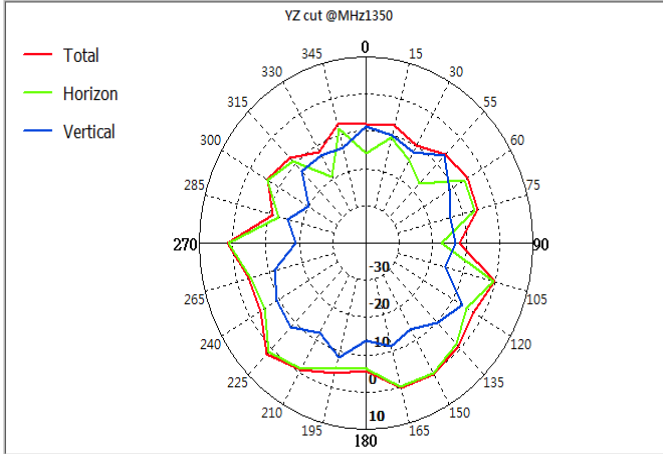
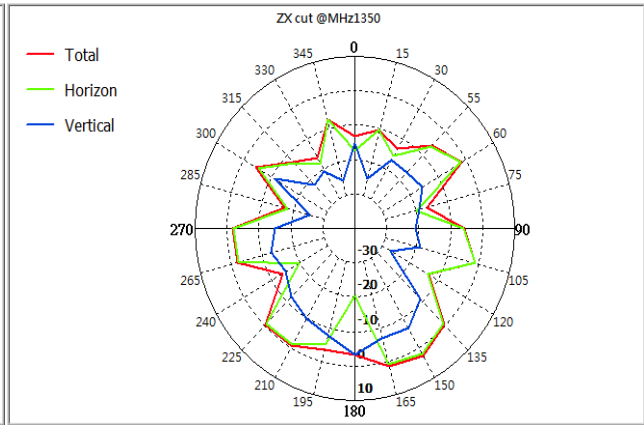
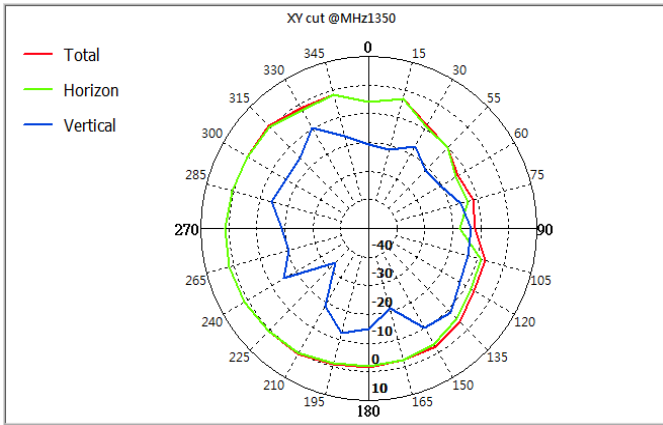


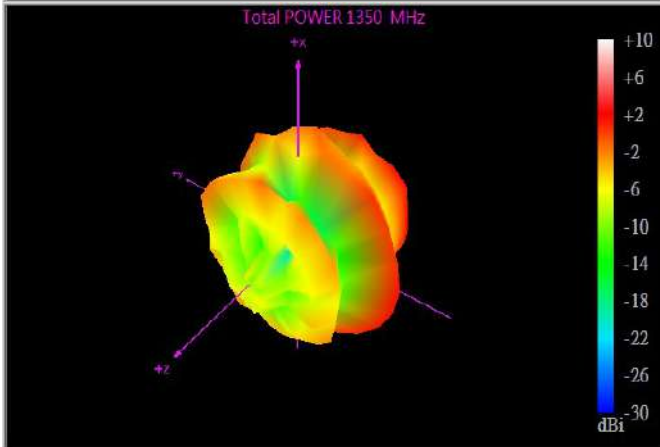
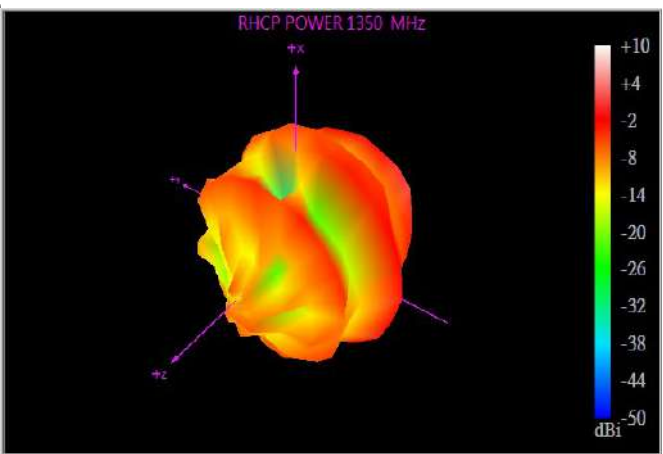
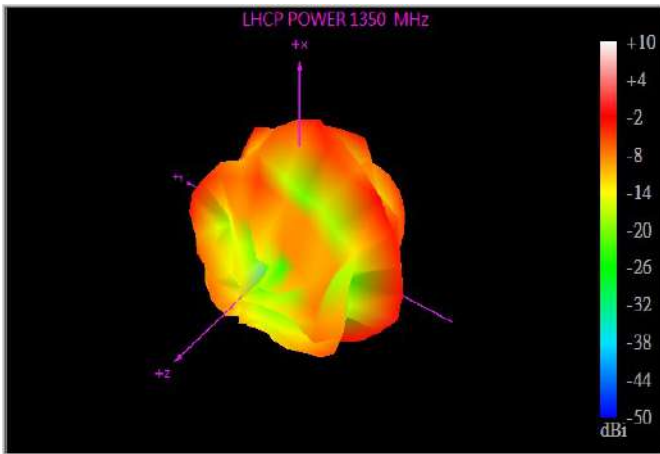


3D Total

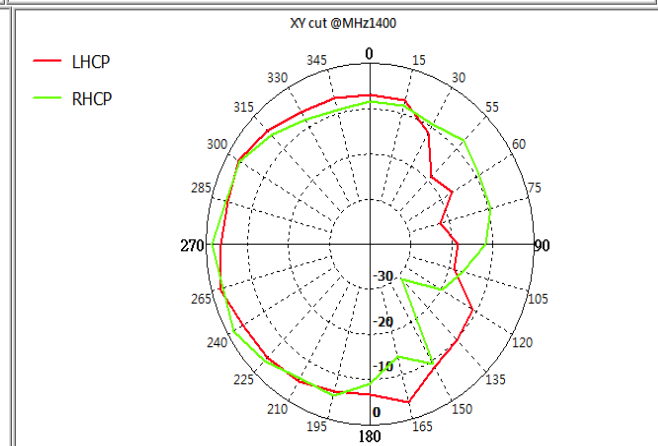
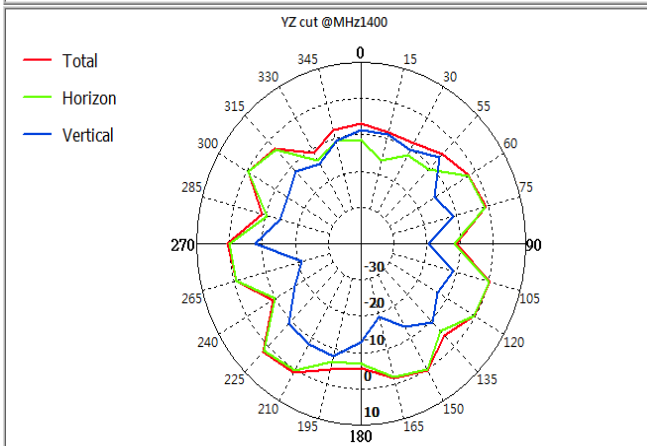
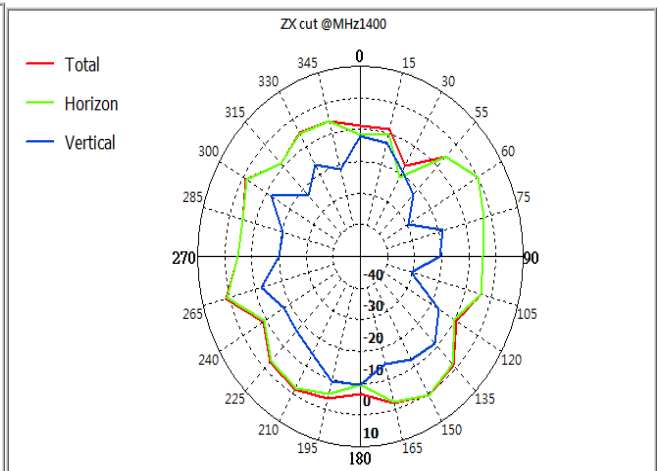
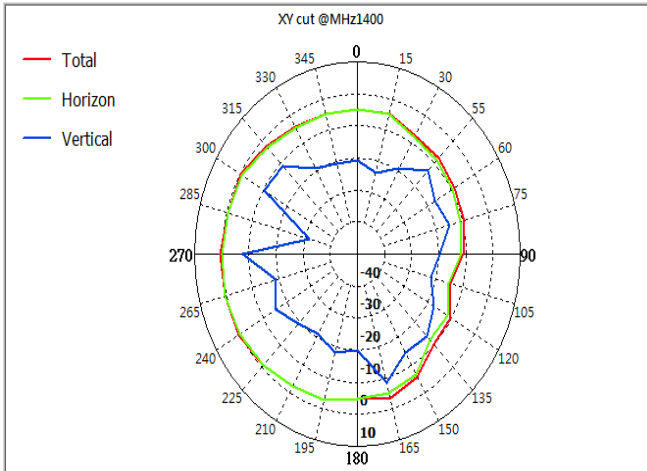
Frequency (MHz)	Upper Hem. PRP (dBm)	Lower HEM. PRP (dBm)	Efficiency (dB)	Efficiency (%)	Gain (dBi)	Tot. Rad.Pwr. (dBm)
1350 MHz	-8.84	-4.77	-3.33	53.42	2.75	-3.33
1400 MHz	-6.77	-5.18	-2.89	51.39	2.53	-2.89
1450 MHz	-7.40	-5.85	-3.54	54.23	2.65	-2.54
2200 MHz	-8.20	-3.99	-2.59	55.04	2.63	-2.59
2300 MHz	-9.05	-4.25	-3.01	50.04	2.57	-3.01
2400 MHz	-9.01	-4.40	-3.11	53.90	2.24	-3.11
2500 MHz	-7.54	-4.66	-2.86	51.81	2.37	-2.86

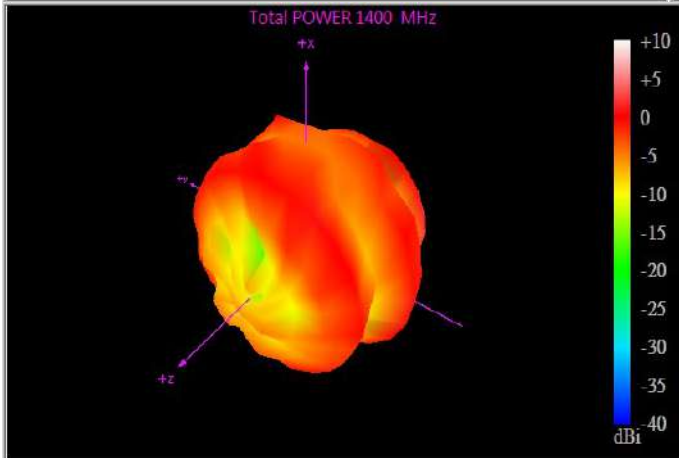
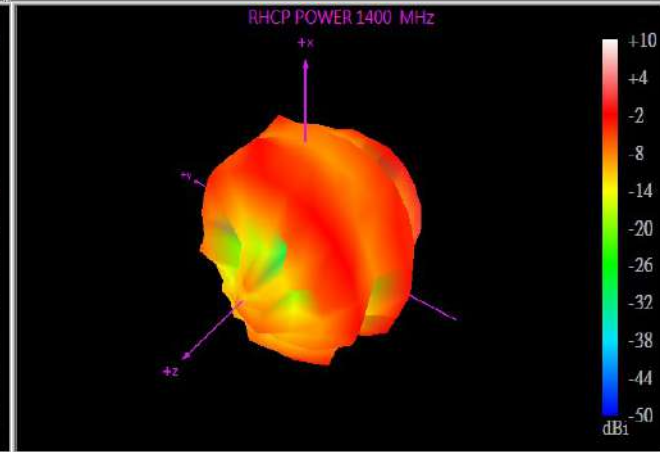
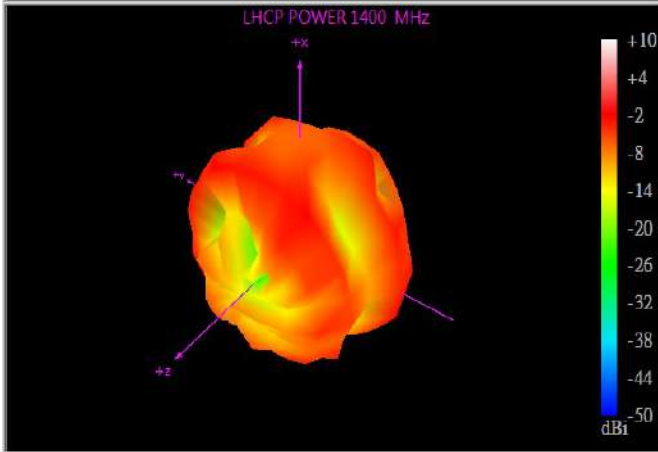
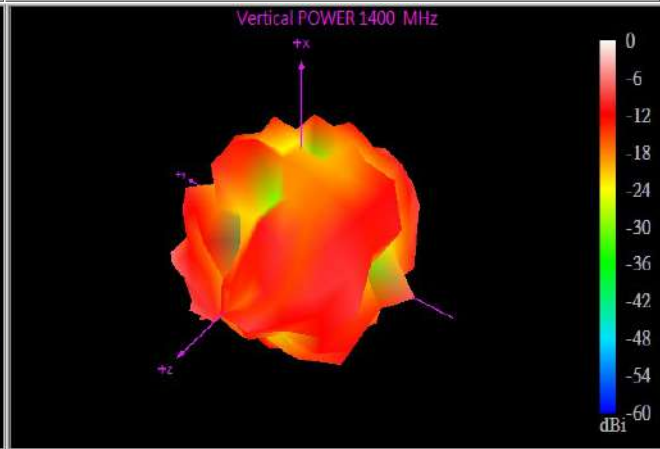
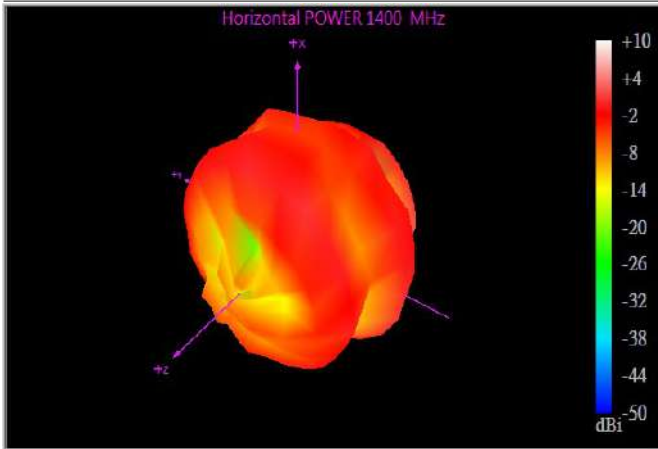
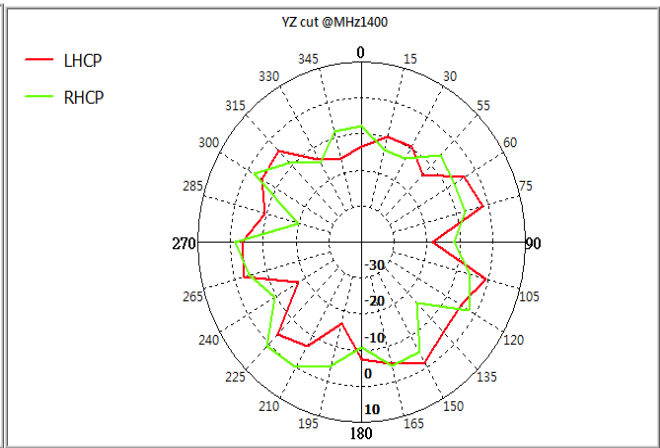
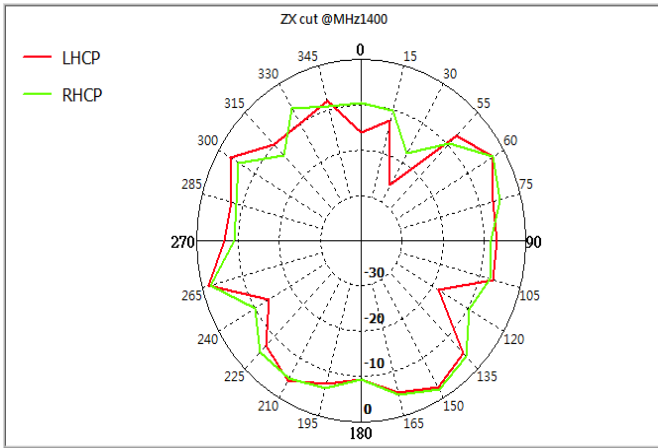
1350Mhz:



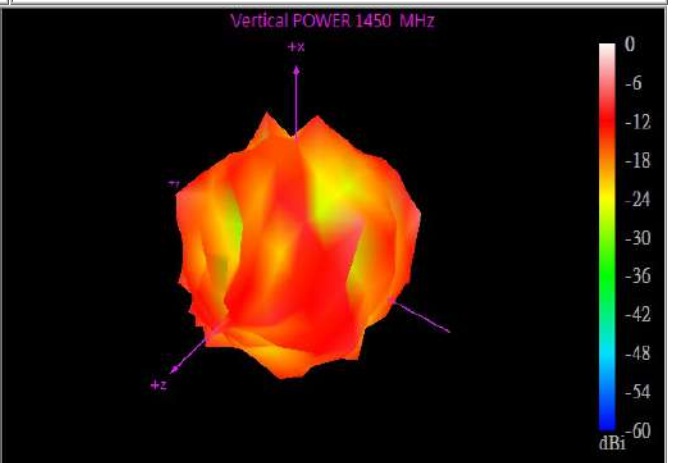
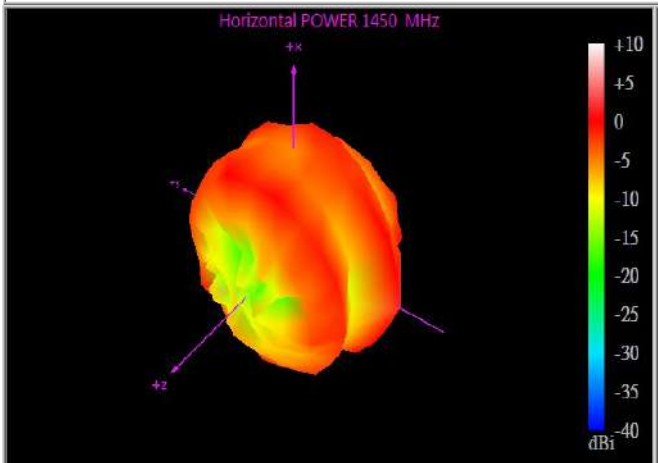
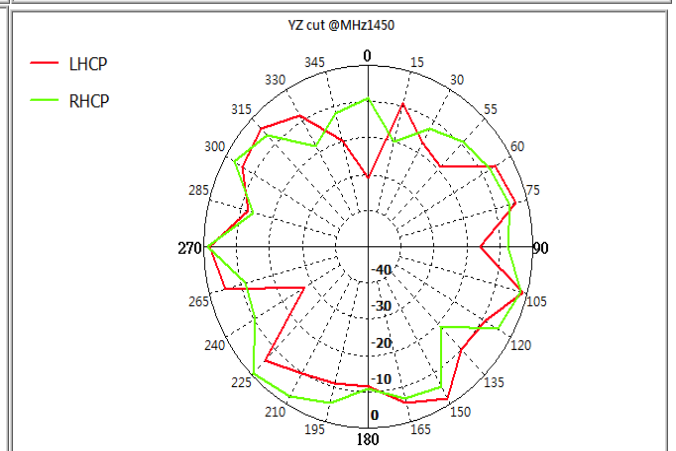
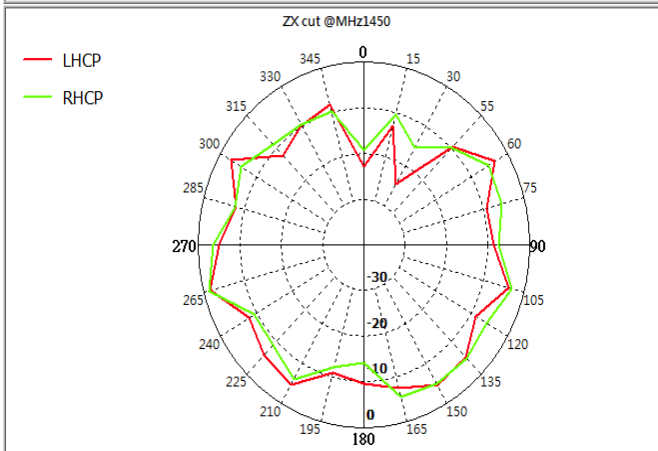
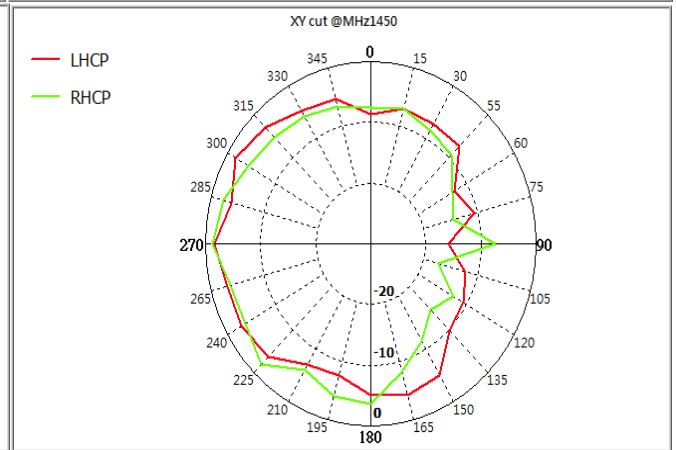
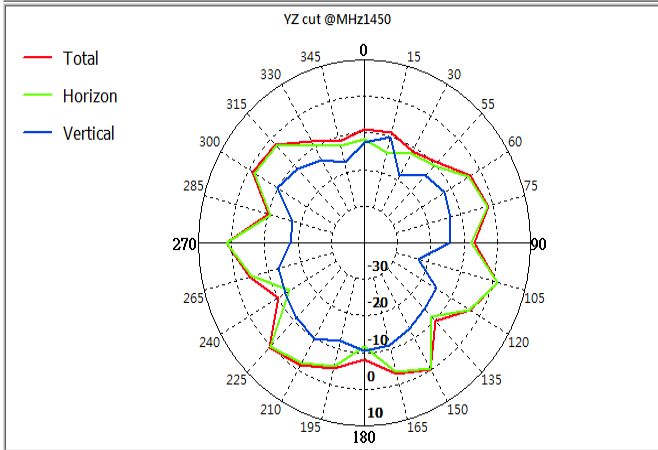
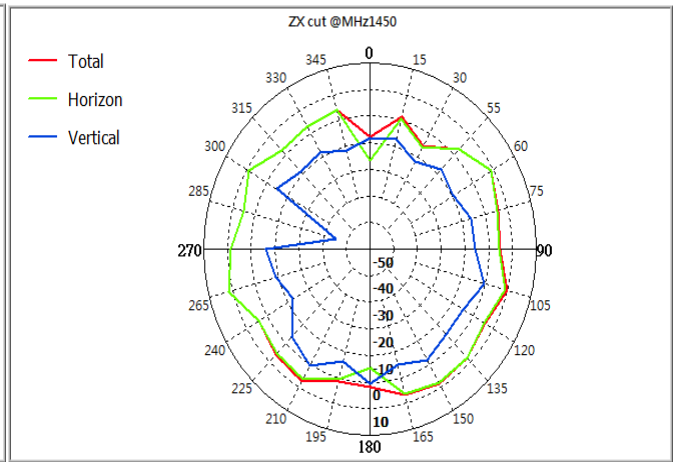
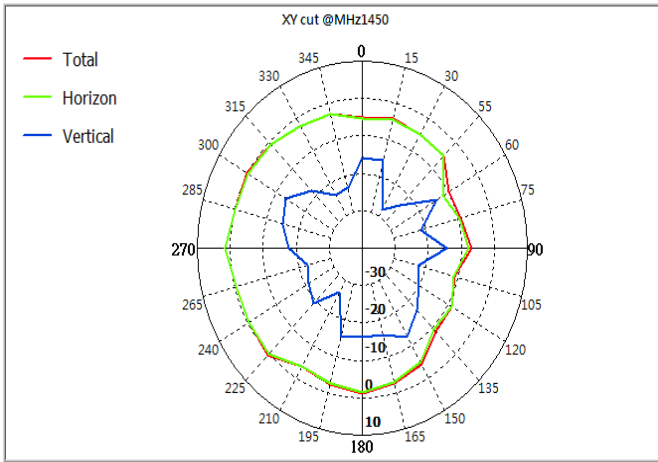


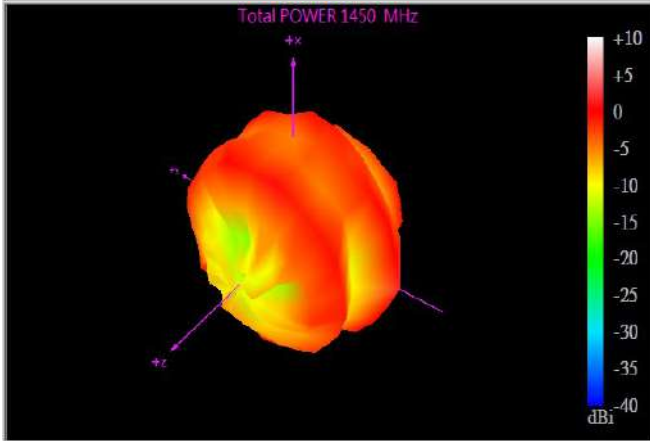
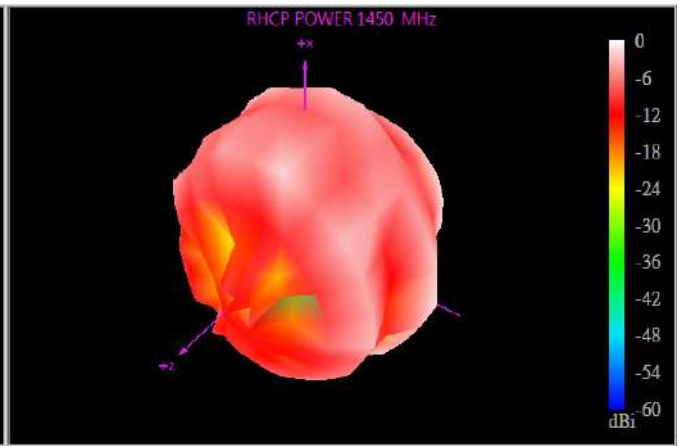
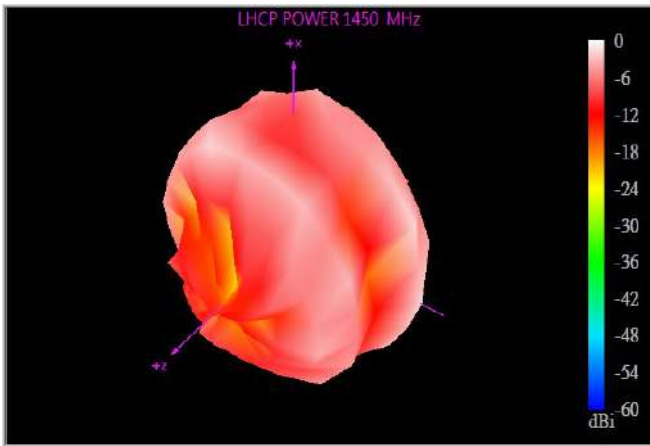
1400MHz:



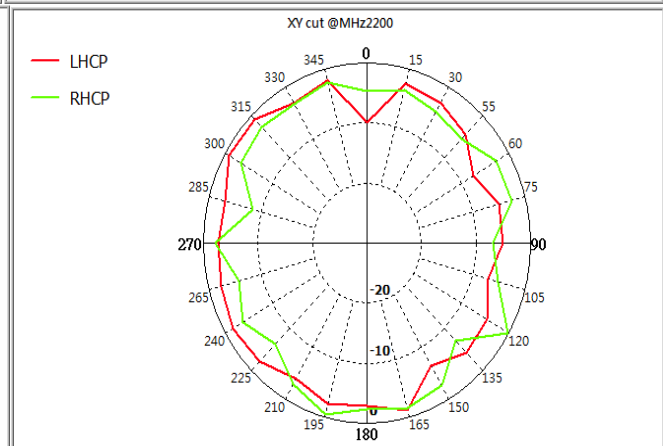
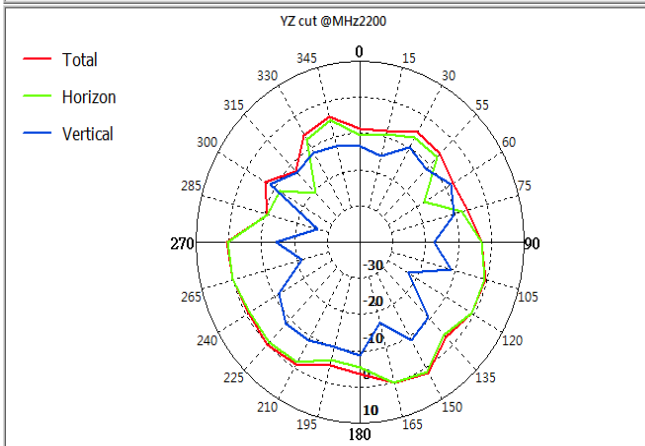
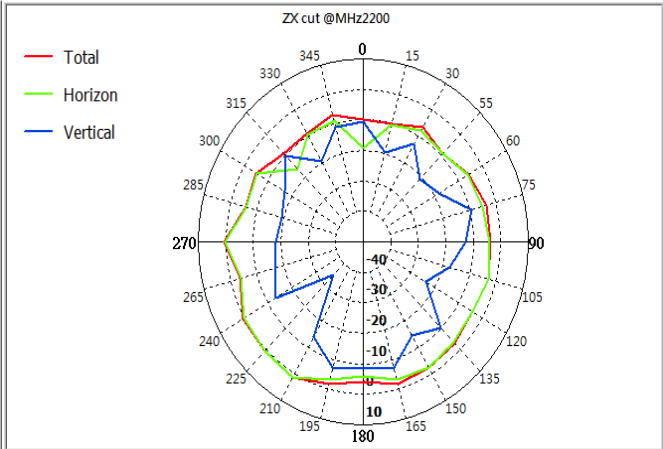
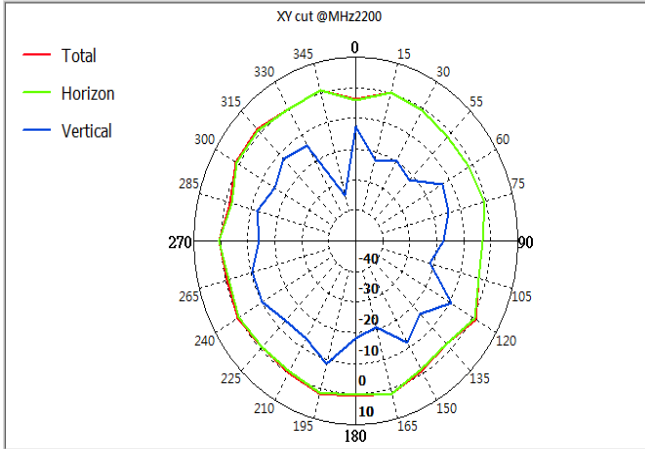


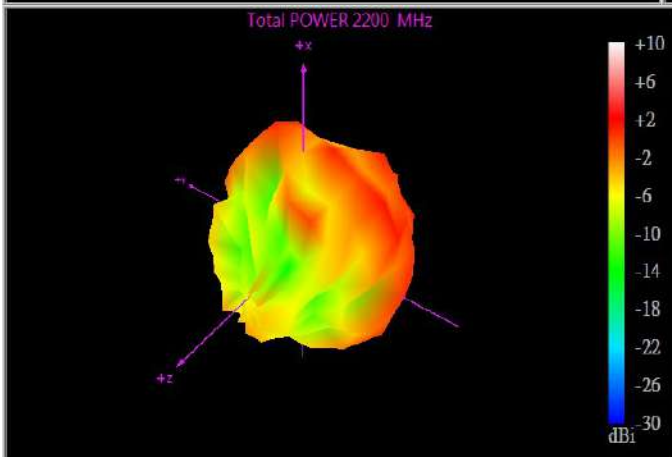
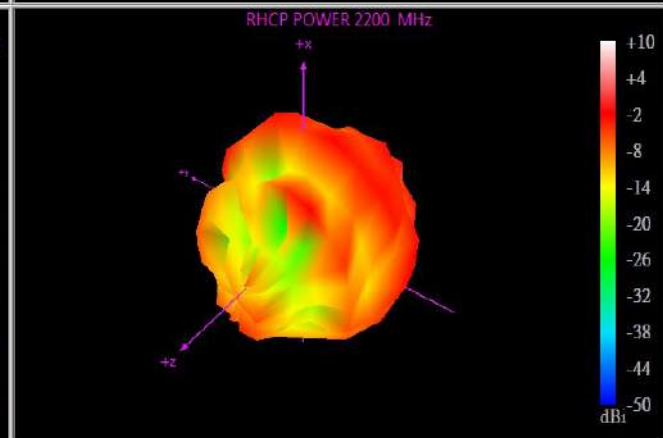
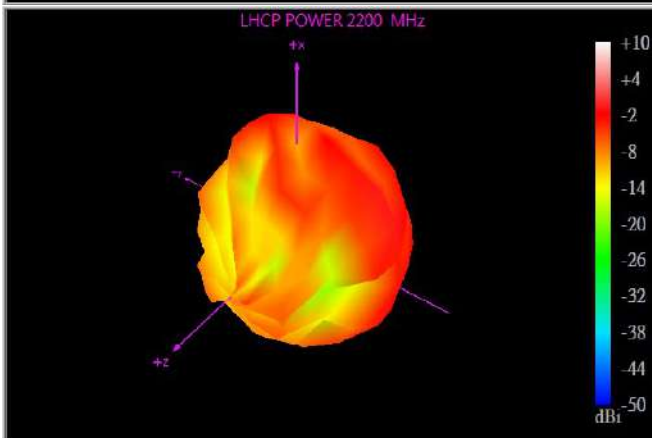
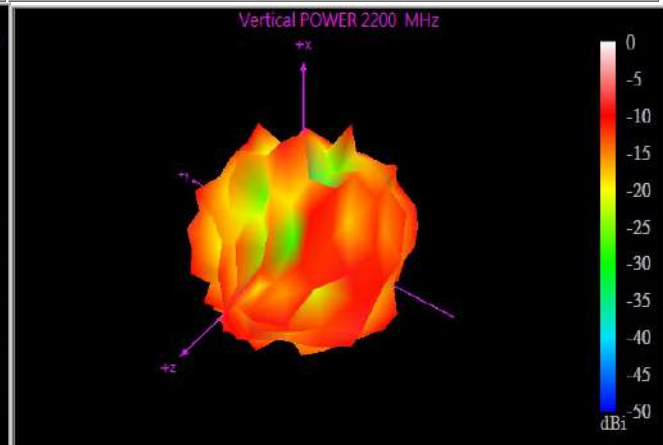
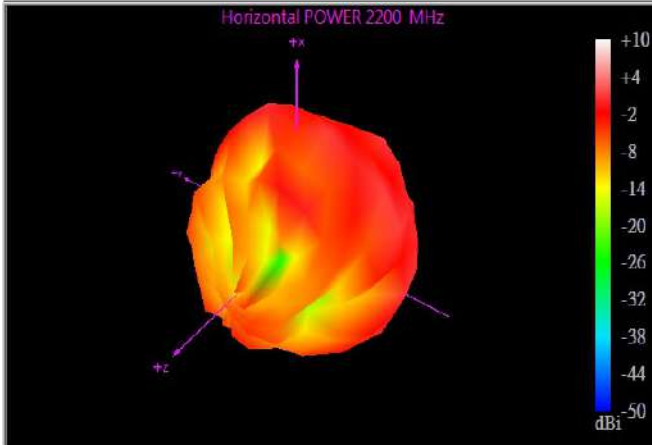
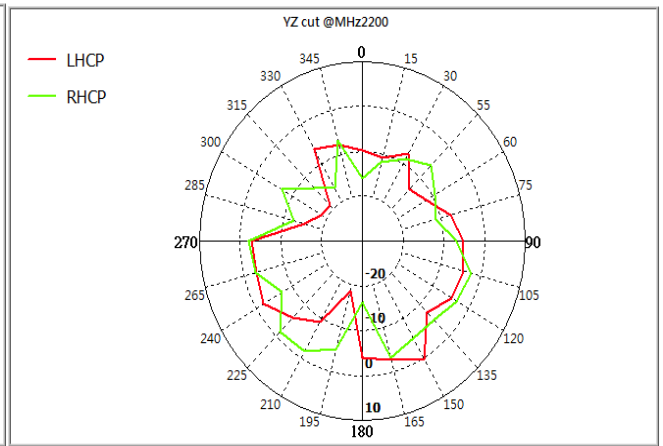
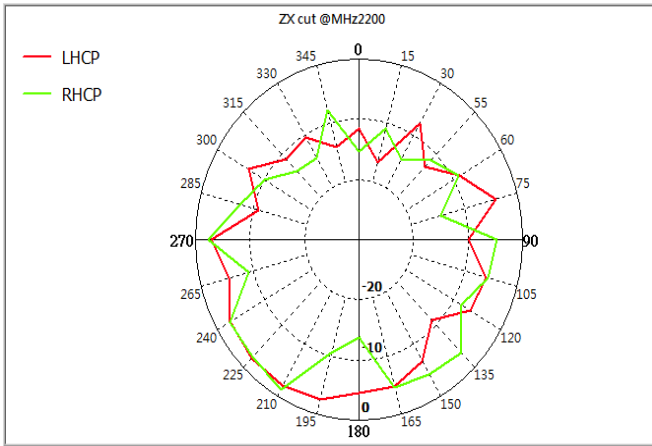
1450Mhz:



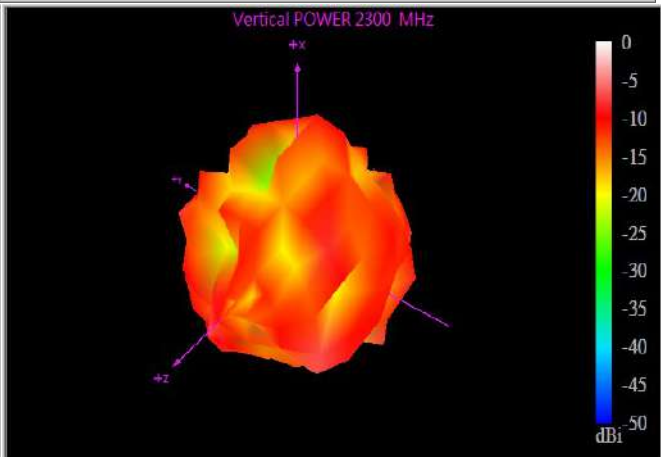
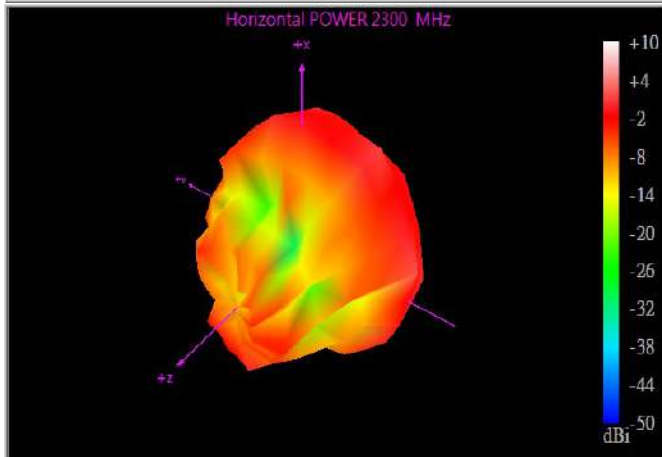
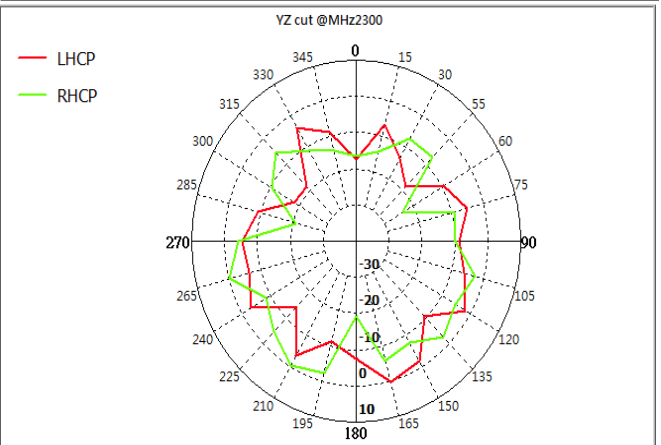
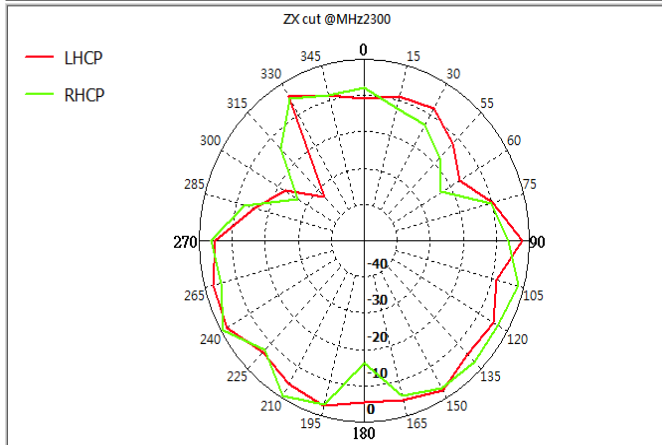
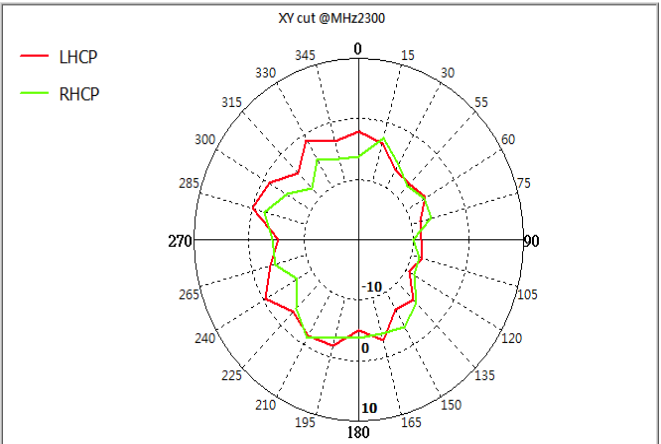
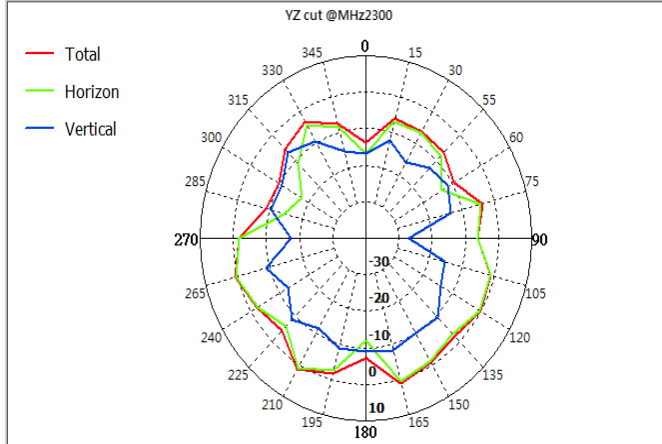
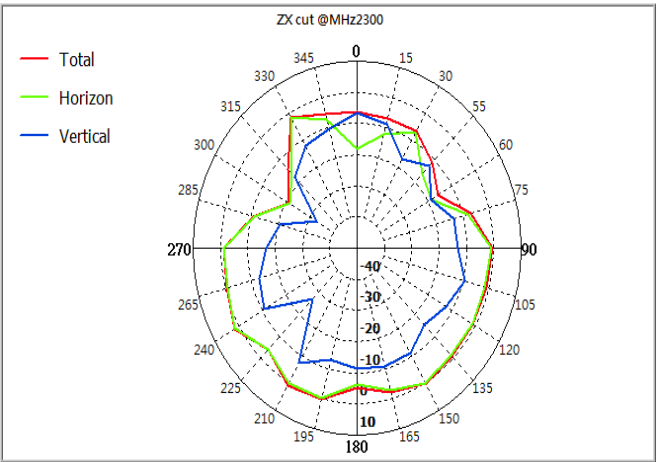
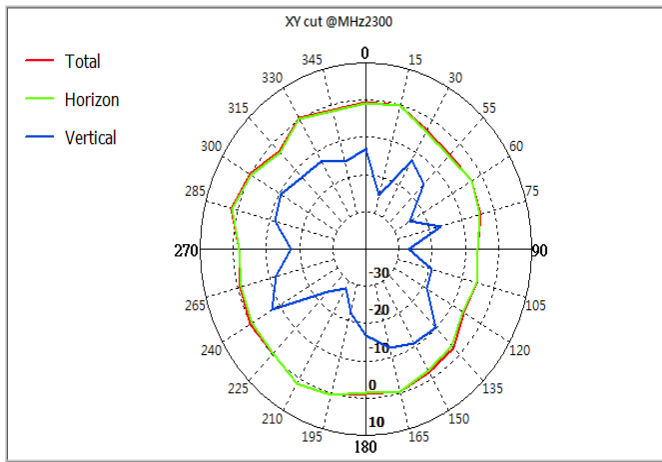


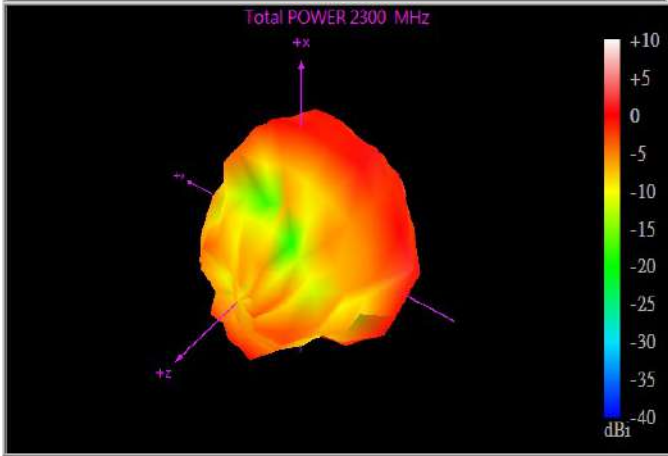
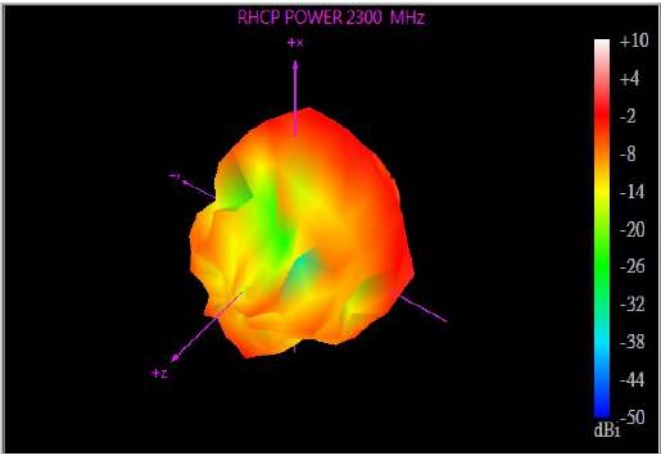
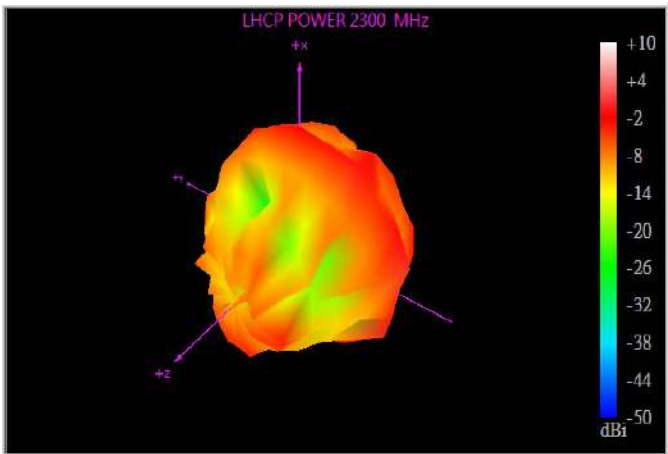
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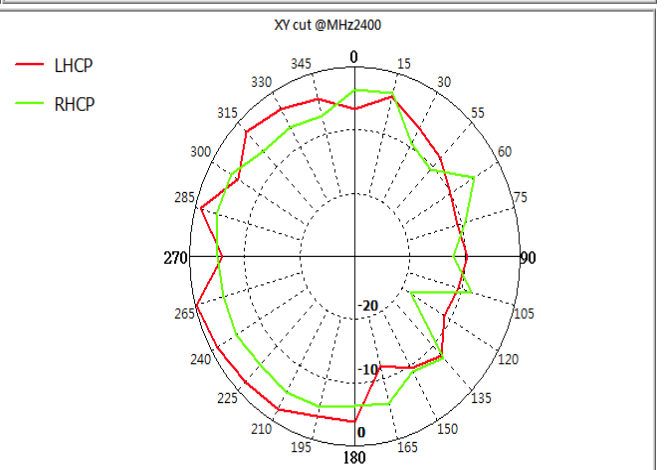
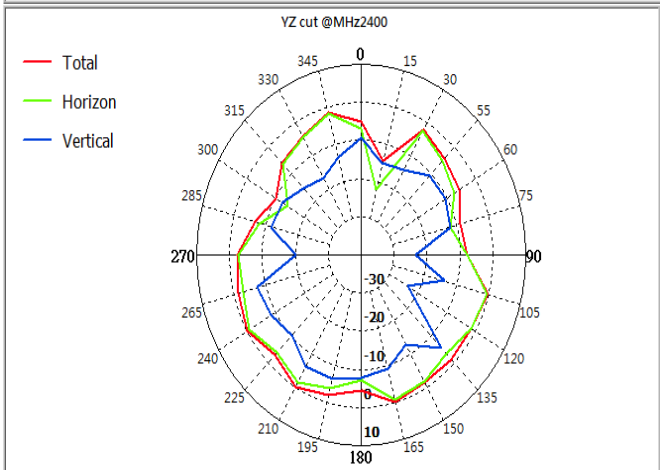
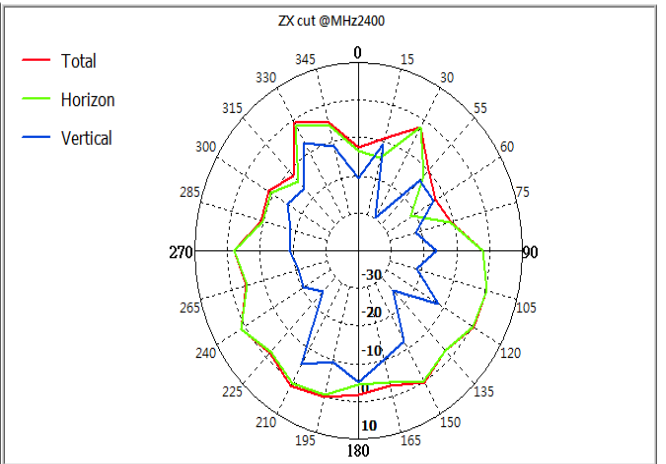
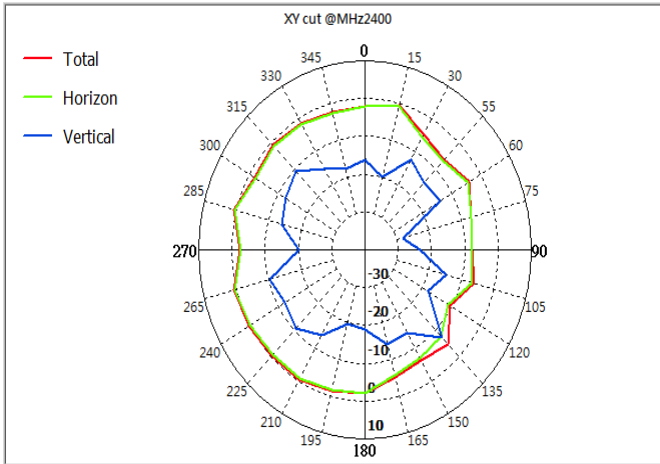


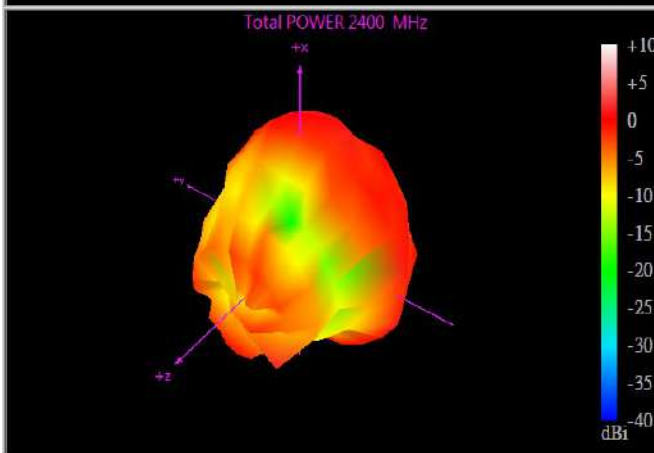
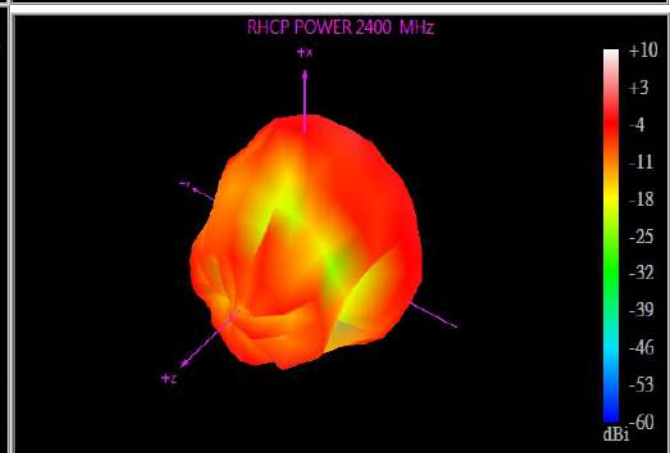
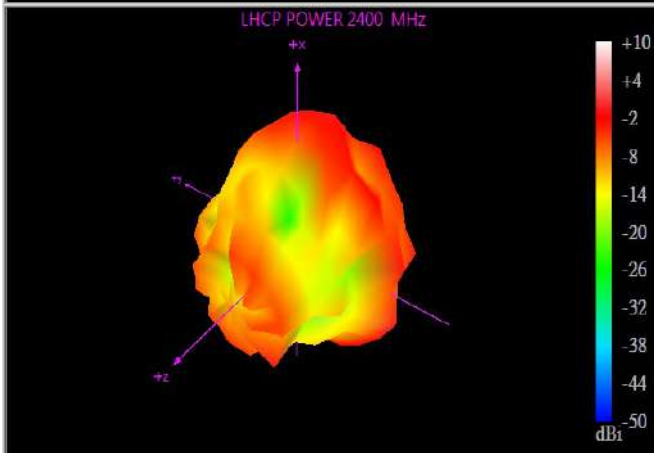
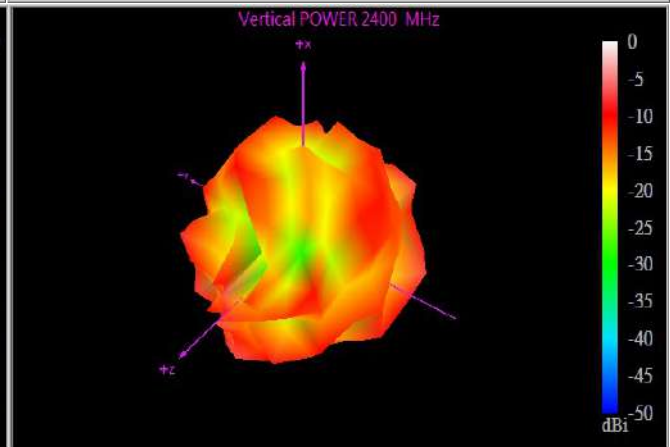
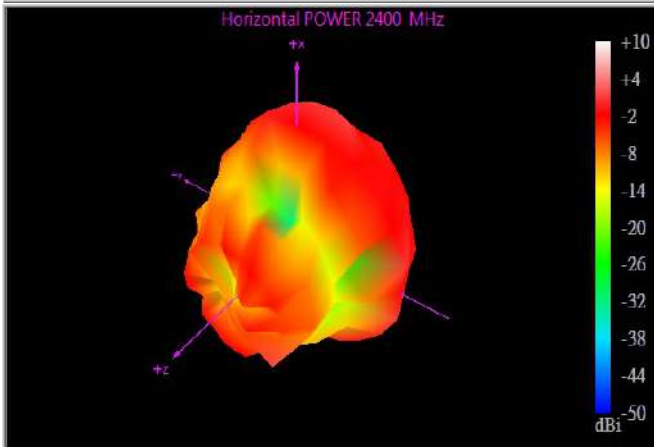
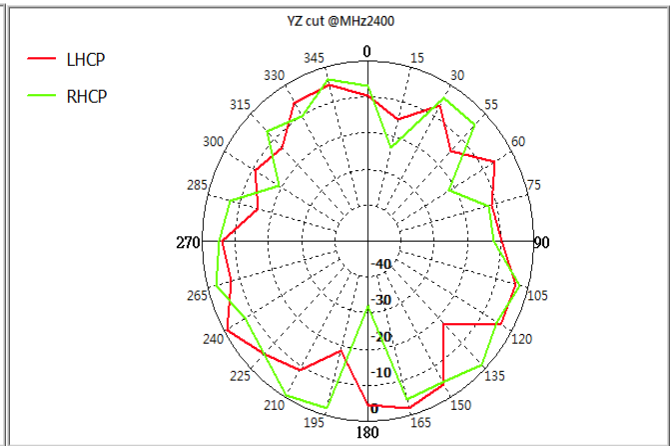
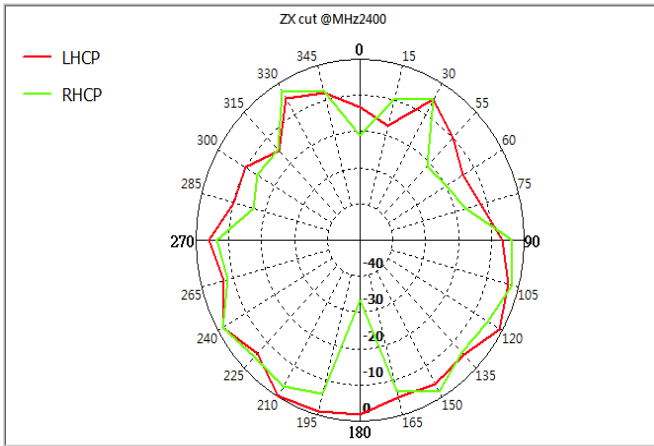
2300MHz:





2400Mhz:





2500Mhz:

