

900Mhz & 2.4G Dual Band Antenna

MODEL: TH-9024D-SMA(M)



1. GENERAL DESCRIPTION

Model No	P/N
TH-9024D	TH9024D-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 ON GND
Nominal Impedance	50 ohm
Polarization	Vertical
Electrical Wave	Dipole
Return Loss	Please See Data-1
V.S.W.R	2.0 : 1
Gain	1.5 / 2.5db

1.2 Mechanical Properties

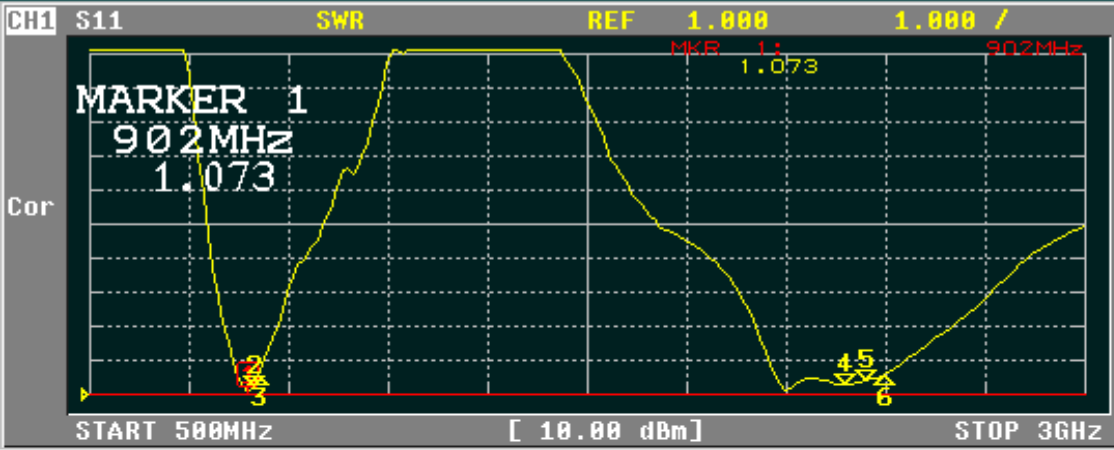
Parameter	Description
Antenna Type	External Antenna
Touch Type	Screw Type
Connector Type	SMA(Male)
Antenna Dimensions	100mm \pm 2
Antenna Color	Black
Operating Temperature Range	-40°C~+85°C
Storage Temperature Range	-40°C~+85°C

2. Appearance



3. Frequency





CH1 MARKER LIST

1:	902.000MHz	1.073
2:	915.000MHz	1.300
3:	928.000MHz	1.597
4:	2.400 000GHz	1.291
5:	2.450 000GHz	1.416
6:	2.500 000GHz	1.613
7:		
8:		
9:		
10:		

ACTIVATE MARKER

MARKER 6

MARKER 7

MARKER 8

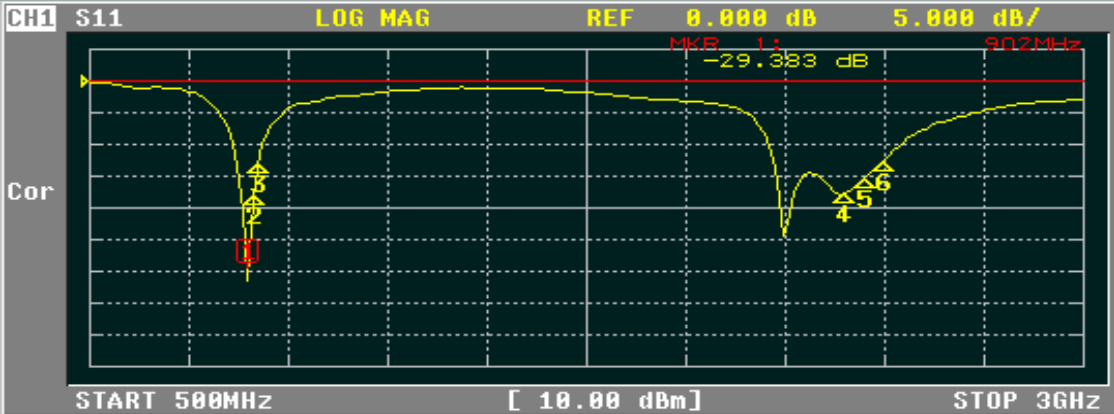
MARKER 9

MARKER 10

ACTIVATE MKR OFF

Return

More 2/2



CH1 MARKER LIST

1:	902.000MHz	-29.383 dB
2:	915.000MHz	-17.710 dB
3:	928.000MHz	-12.784 dB
4:	2.400 000GHz	-17.765 dB
5:	2.450 000GHz	-15.304 dB
6:	2.500 000GHz	-12.506 dB
7:		
8:		
9:		
10:		

FORMAT

LOG MAG

PHASE

DELAY

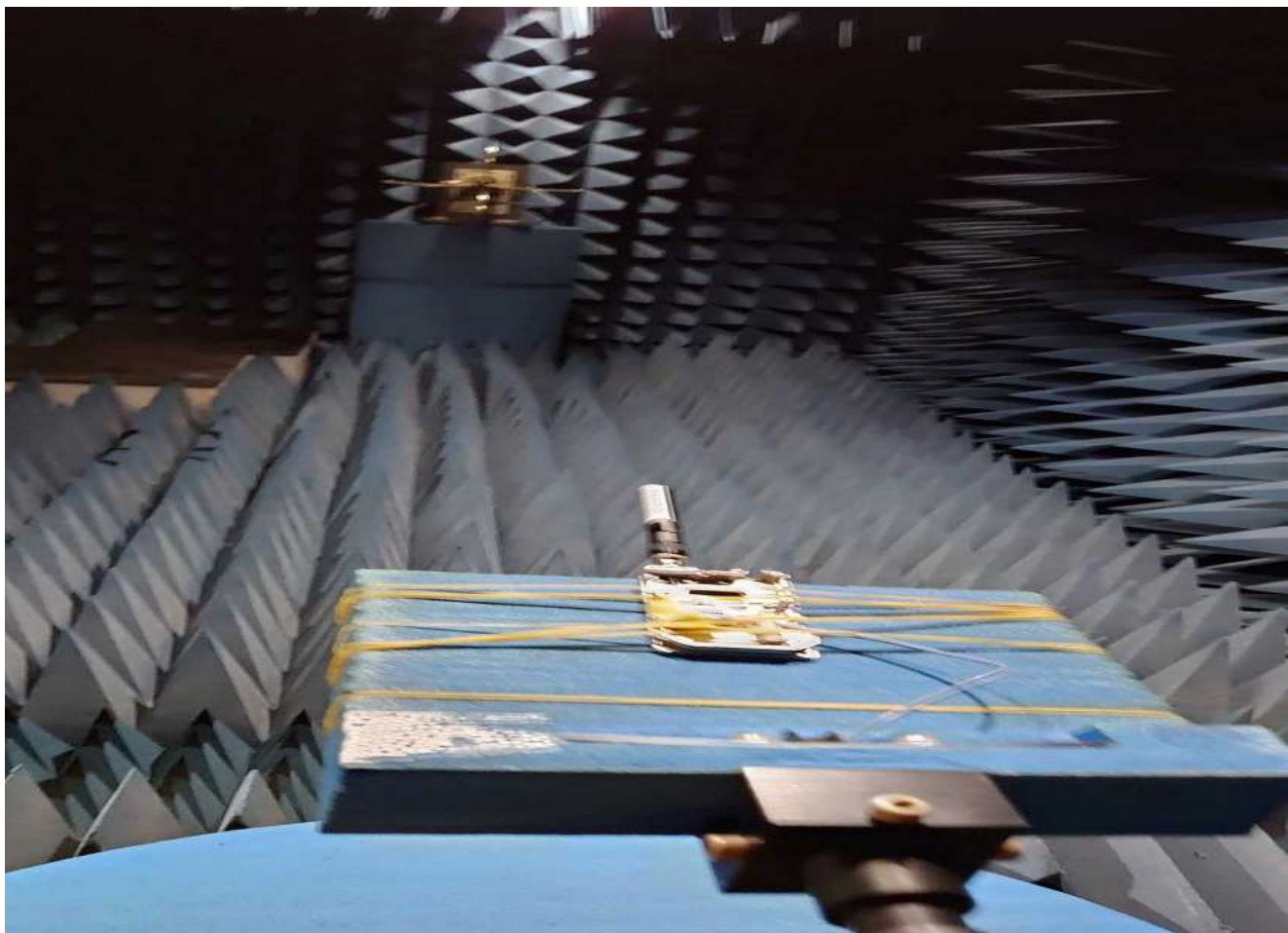
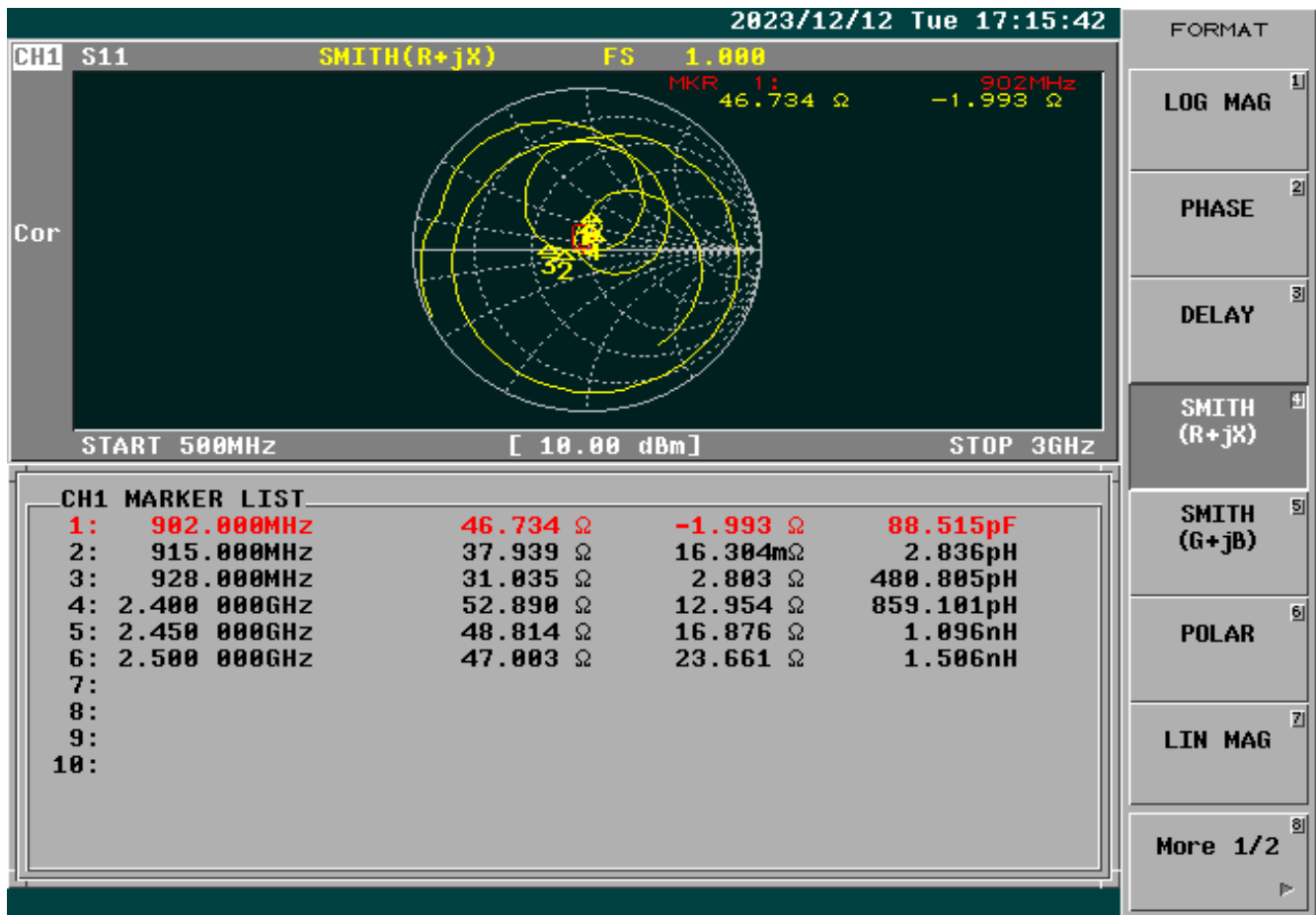
SMITH (R+jX)

SMITH (G+jB)

POLAR

LIN MAG

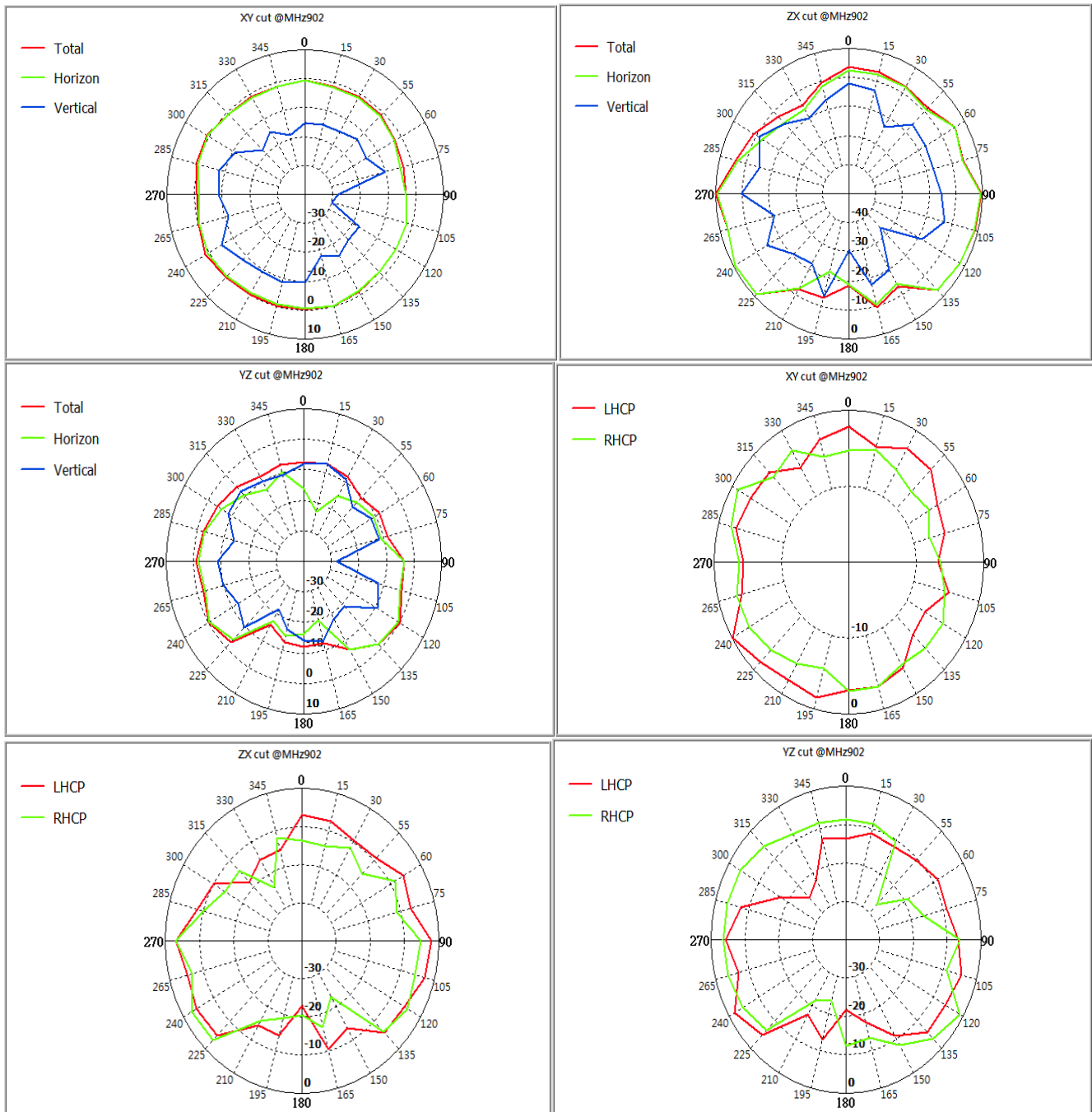
More 1/2

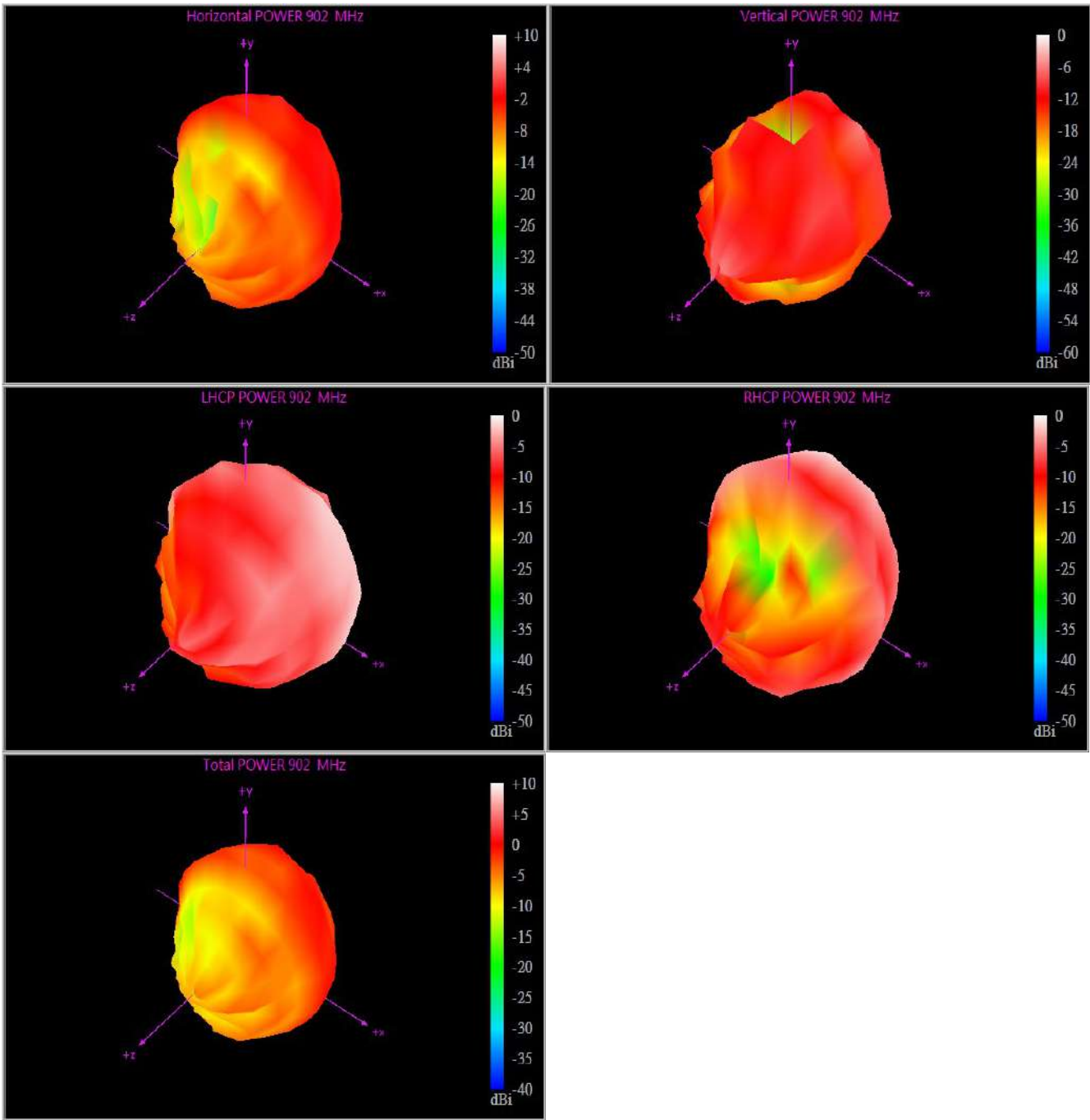


3D Total

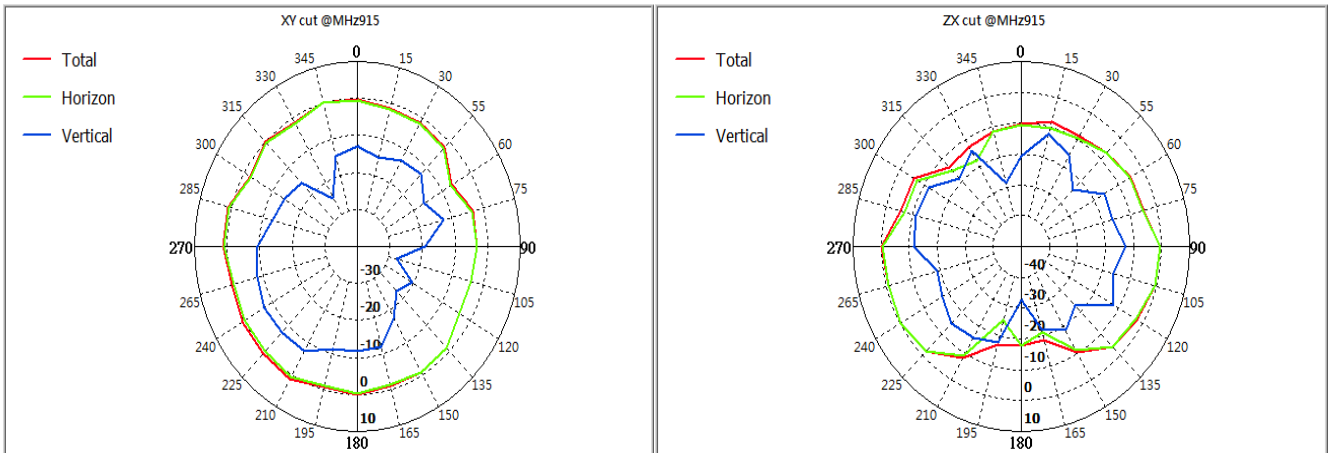
Frequency (MHz)	Upper Hem. PRP (dBm)	Lower HEM. PRP (dBm)	Efficiency (dB)	Efficiency (%)	Gain (dBi)	Tot. Rad.Pwr. (dBm)
902 MHz	-8.58	-5.82	-3.97	40.06	1.76	-3.97
915 MHz	-8.65	-5.39	-3.71	42.51	1.44	-3.71
928 MHz	-8.39	-4.94	-3.32	46.55	1.46	-3.32
2400 MHz	-6.26	-6.48	-3.36	46.17	1.84	-3.36
2450 MHz	-5.80	-6.41	-3.08	49.16	2.68	-3.08
2500 MHz	-5.20	-6.10	-2.62	54.76	2.96	-2.62

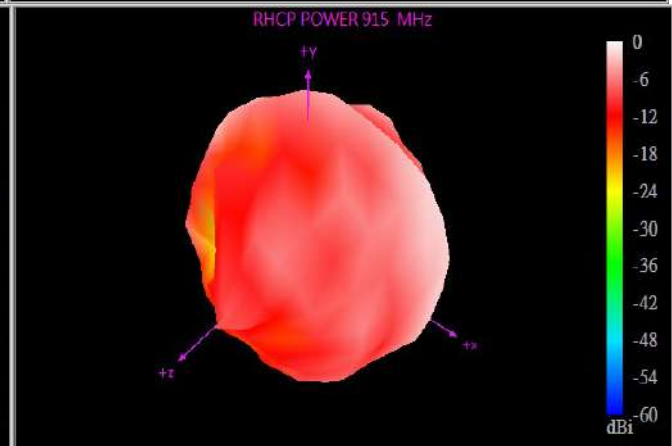
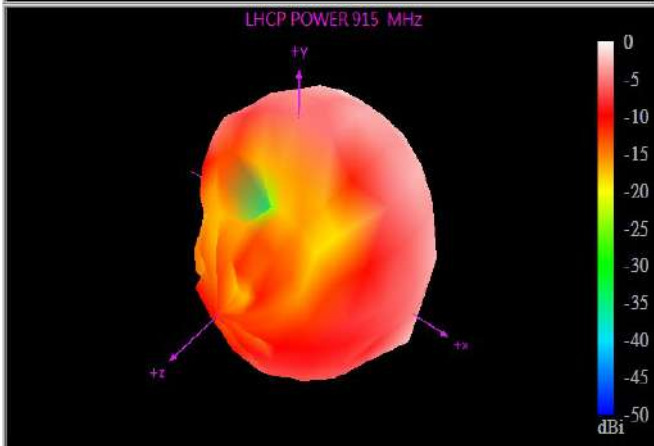
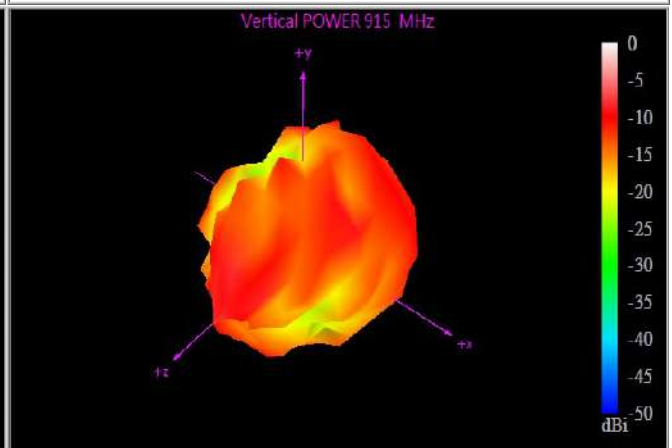
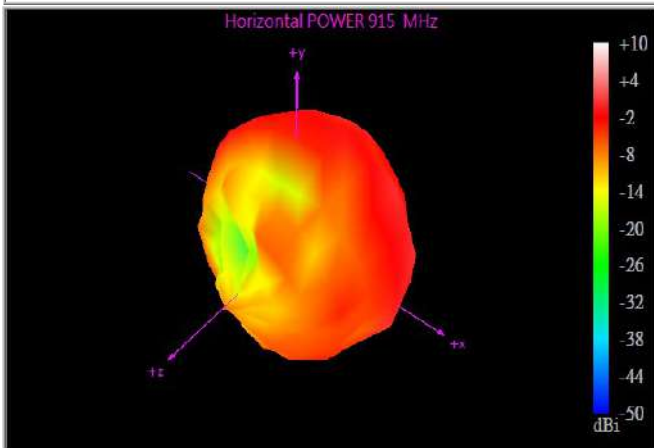
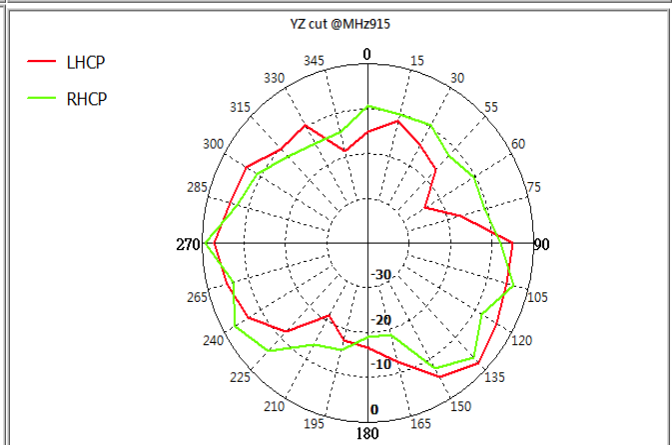
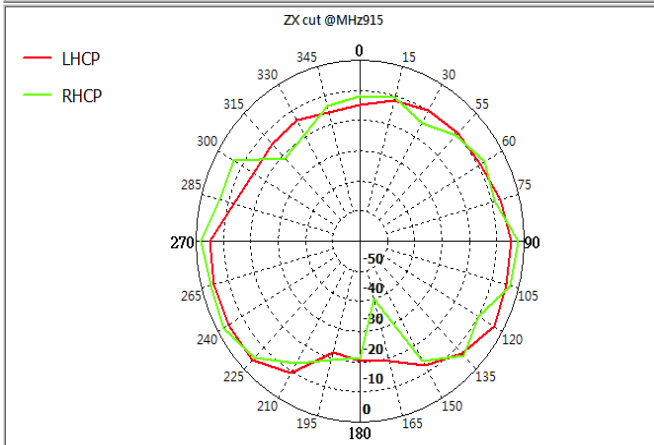
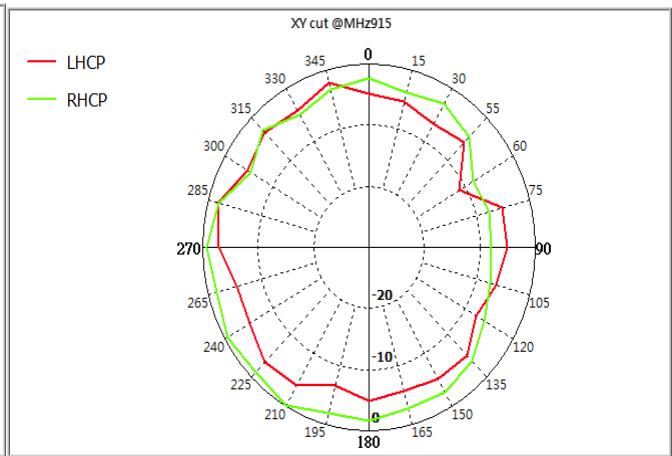
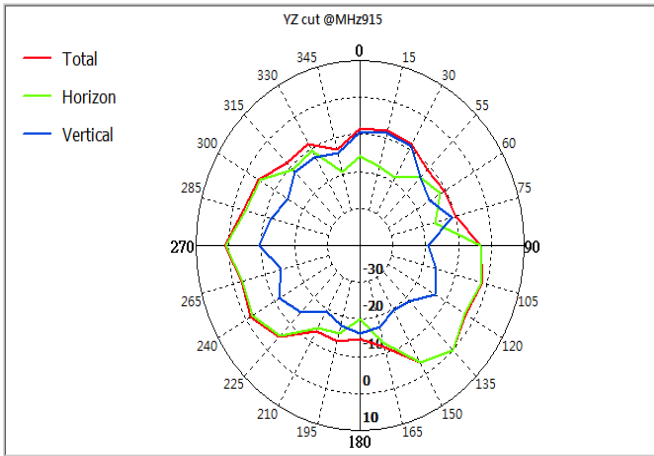
902MHz:

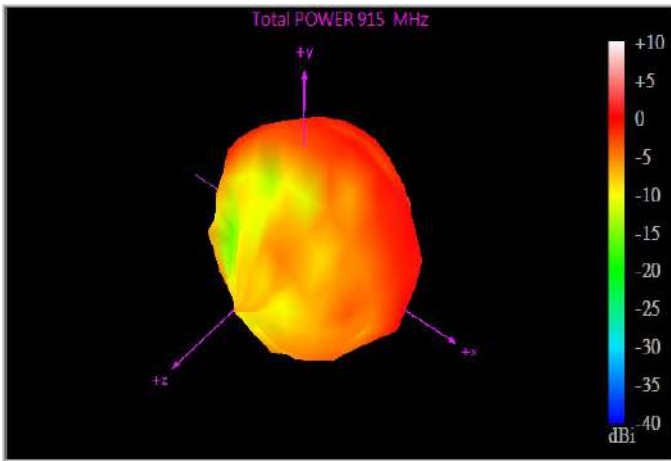




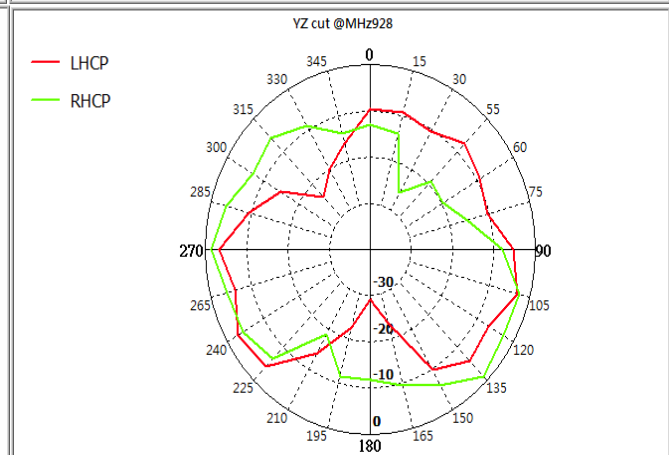
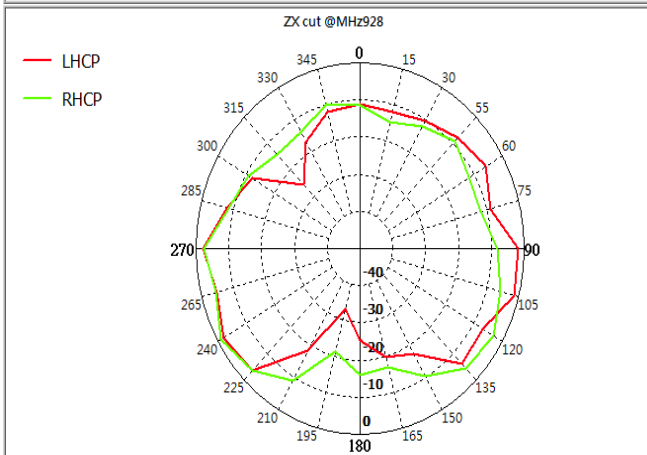
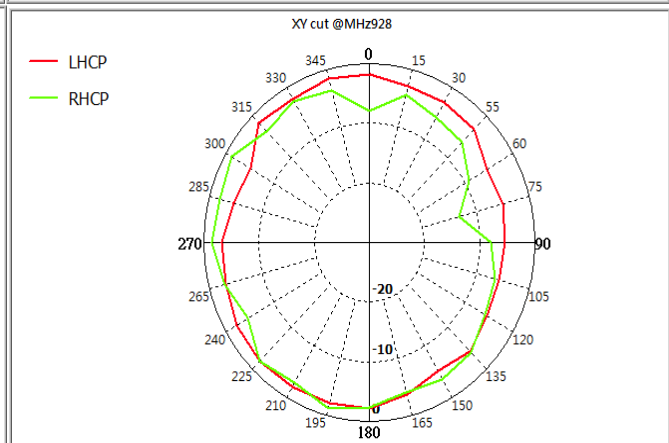
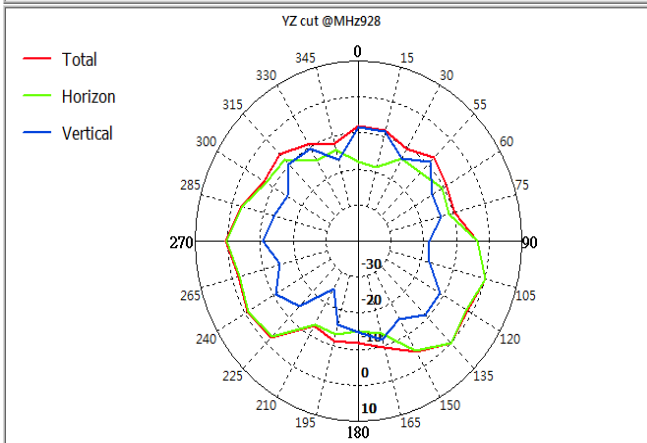
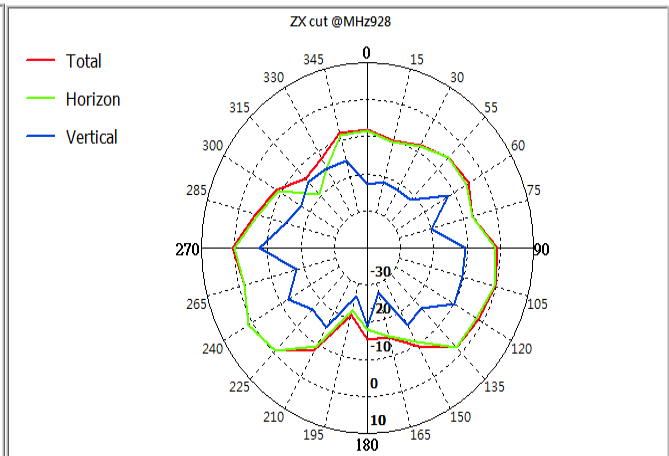
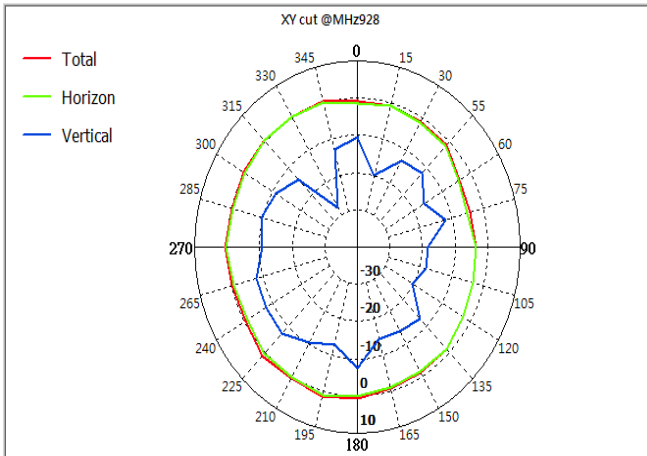
915Mhz:

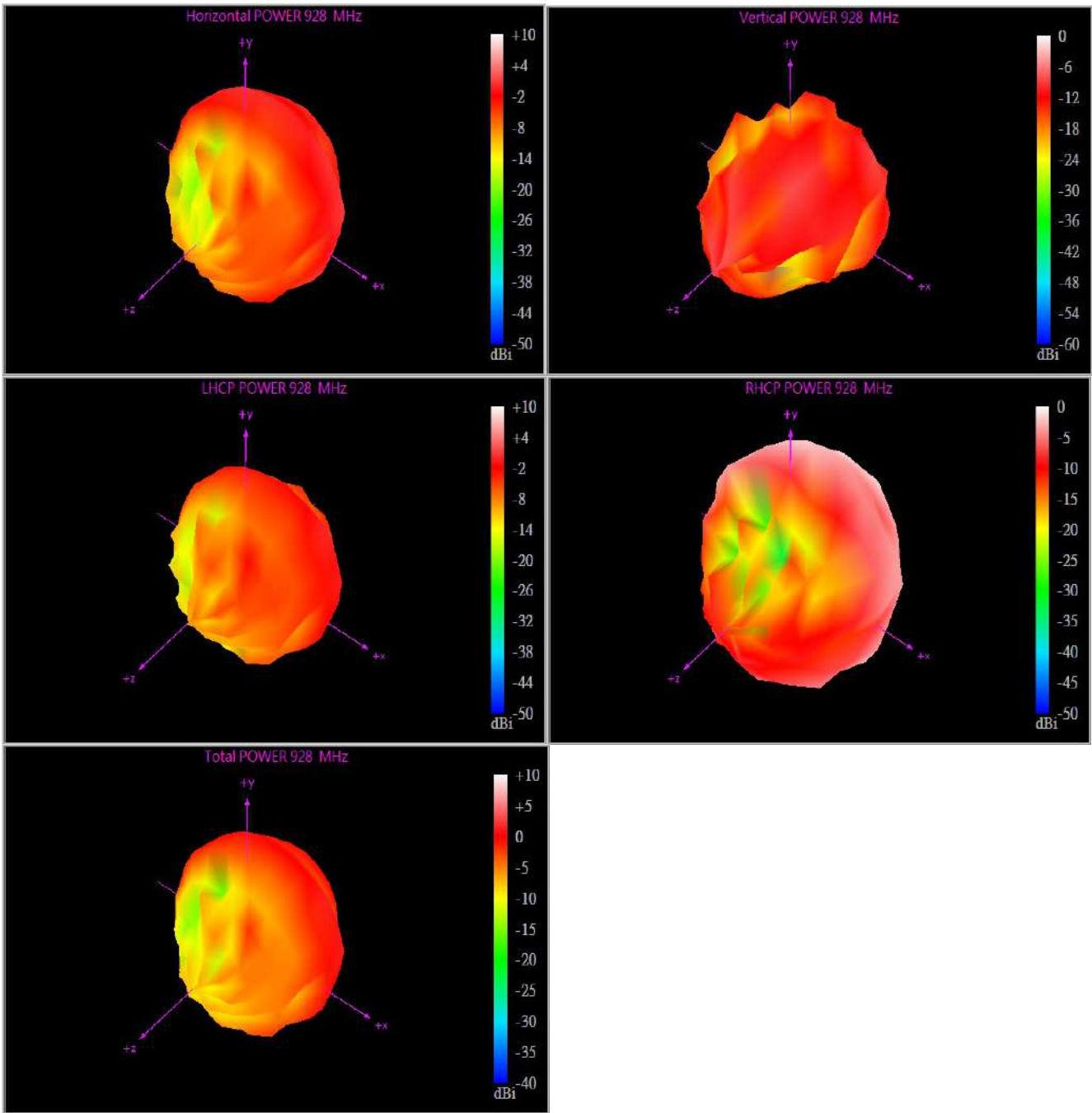




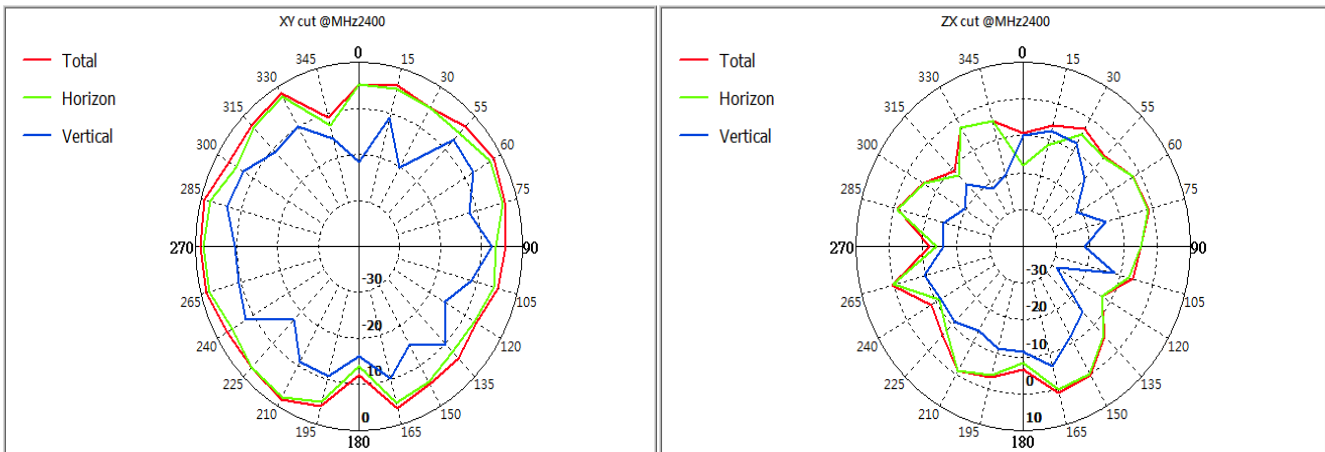


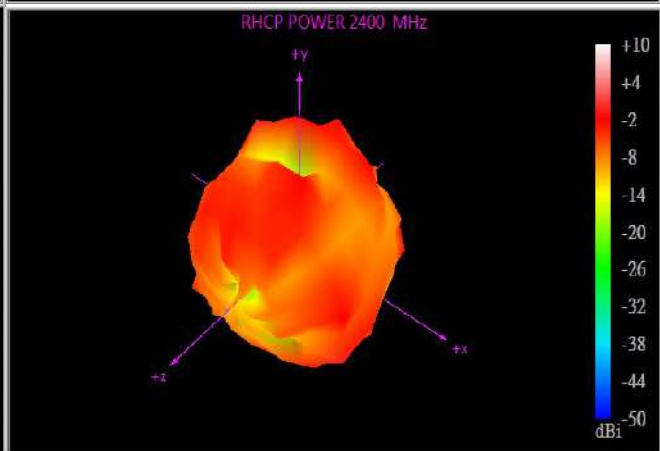
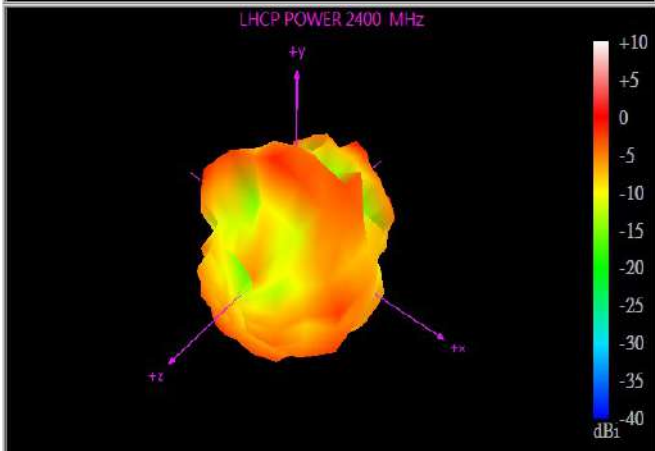
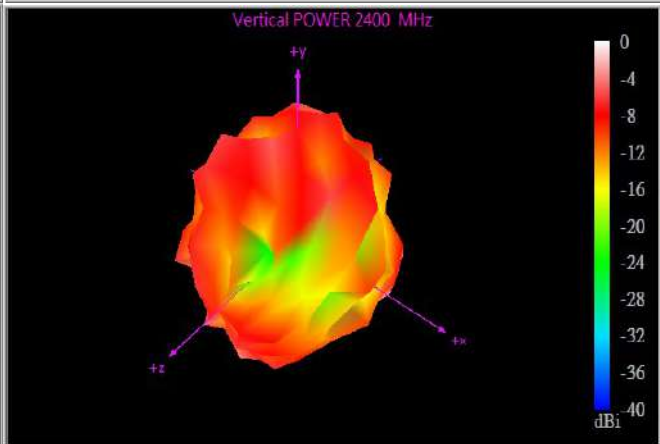
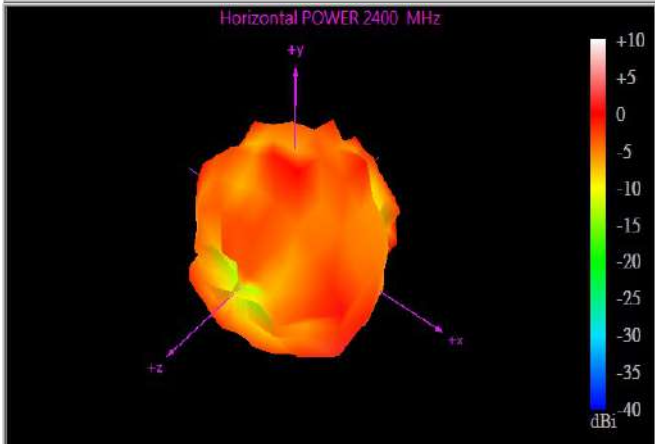
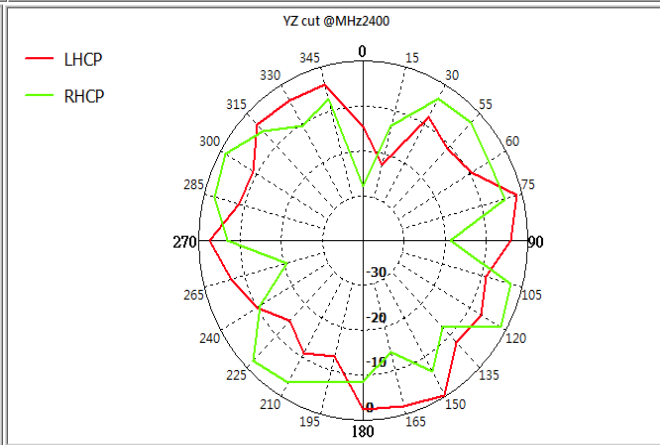
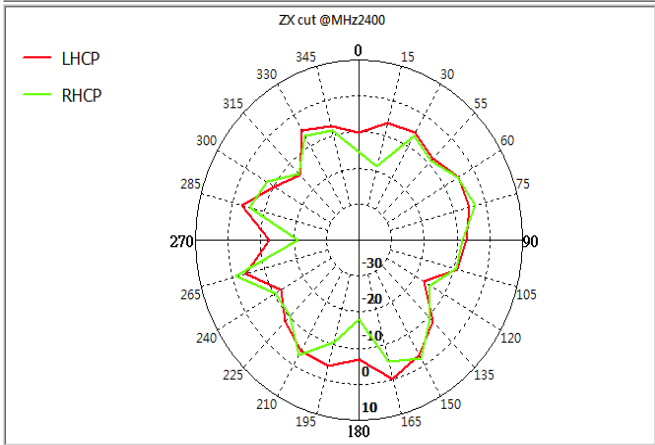
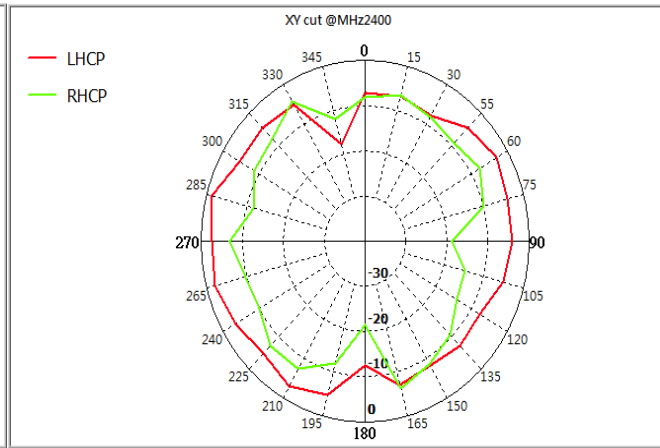
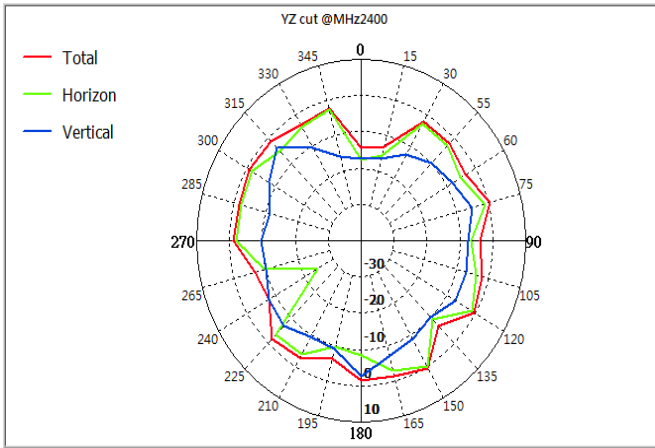
928Mhz:

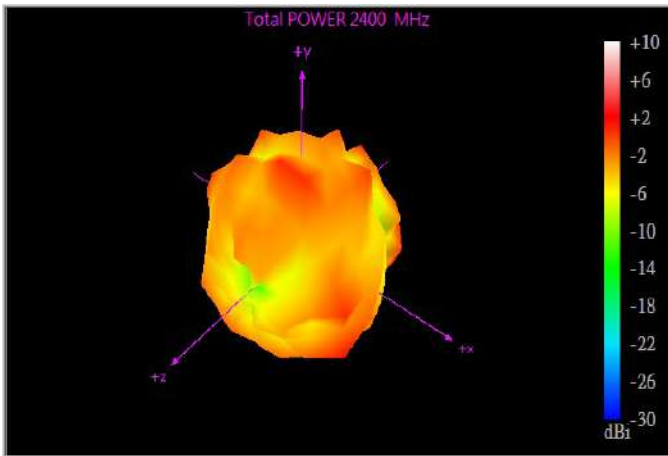




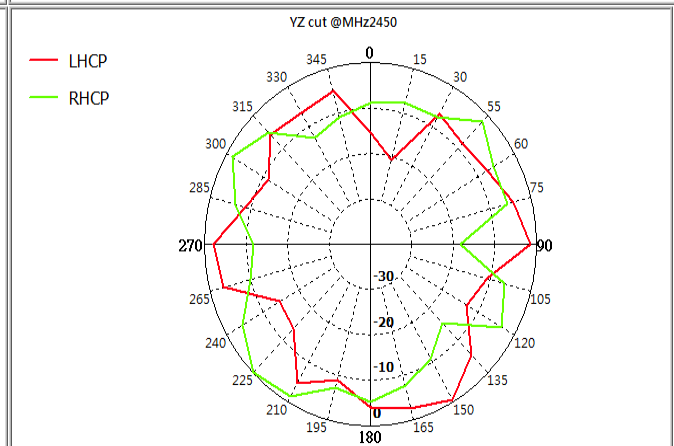
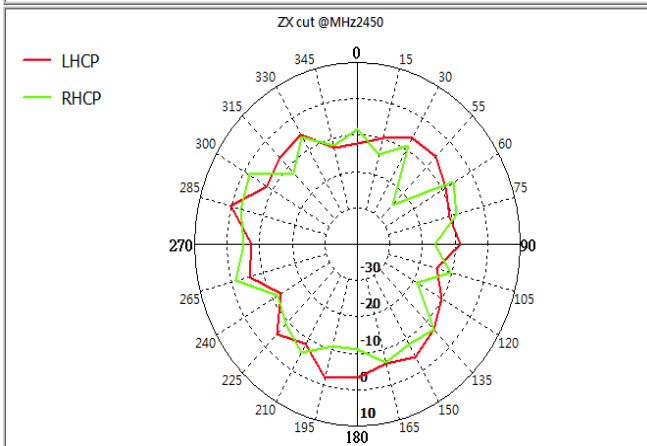
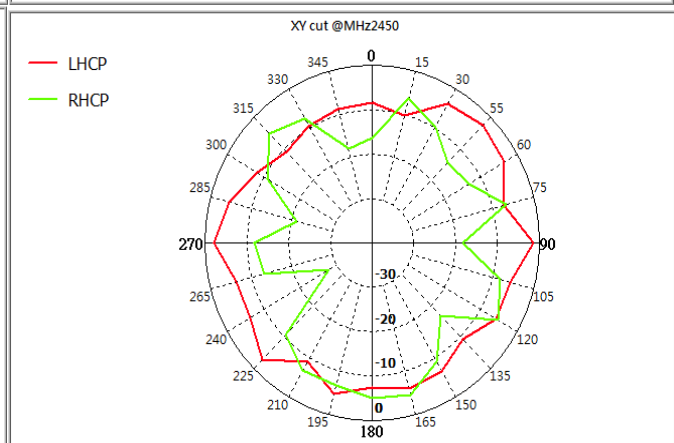
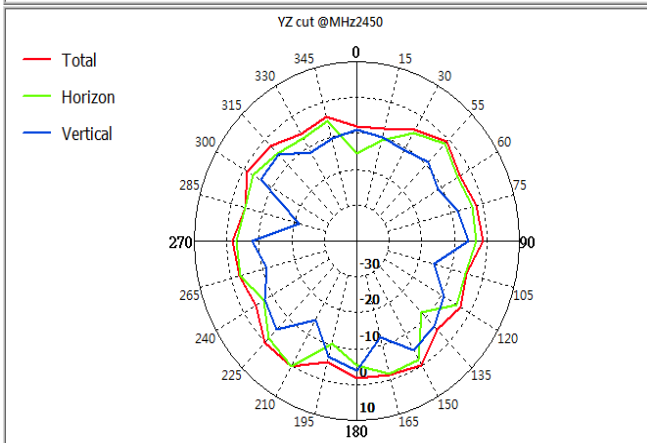
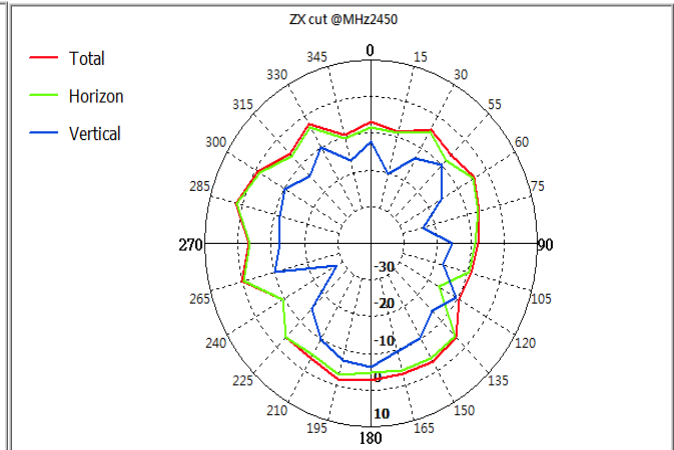
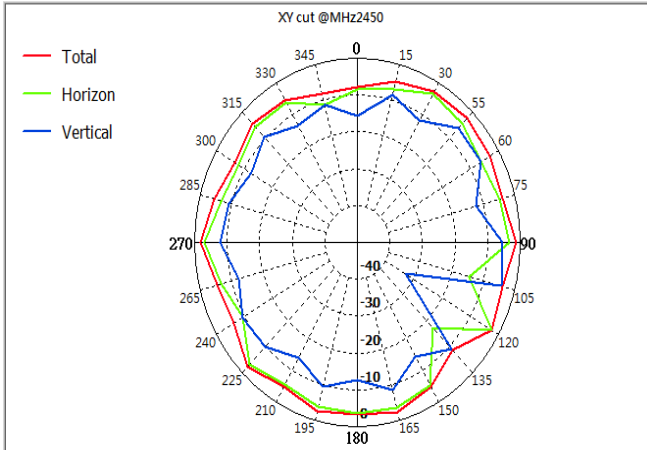
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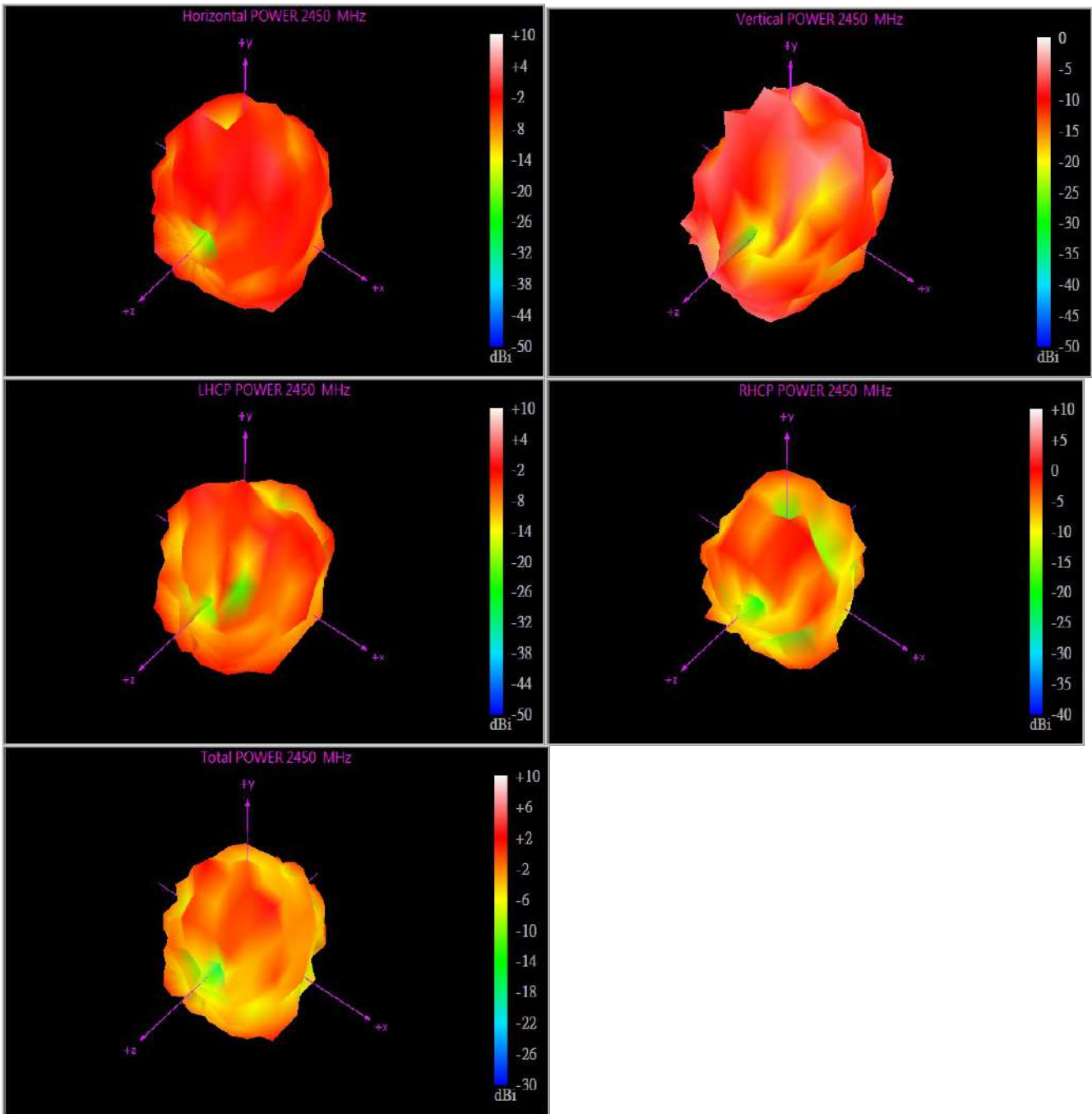






2.45Ghz:





2.5Ghz:

