

900 & 2.4G Dual Band Antenna

MODEL: TH-9024E-SMA(M)



1.. GENERAL DESCRIPTION

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

1.1 Electrical Properties

Parameter	Description
Frequency Band	902~928 MHz & 2.4~2.5Ghz
Nominal Impedance	50 ohm
Polarization	Vertical
Admitted Power radiation	1W
V.S.W.R	3.0:1 Max
Antenna Gain	0~1dB

1.2 Mechanical Properties

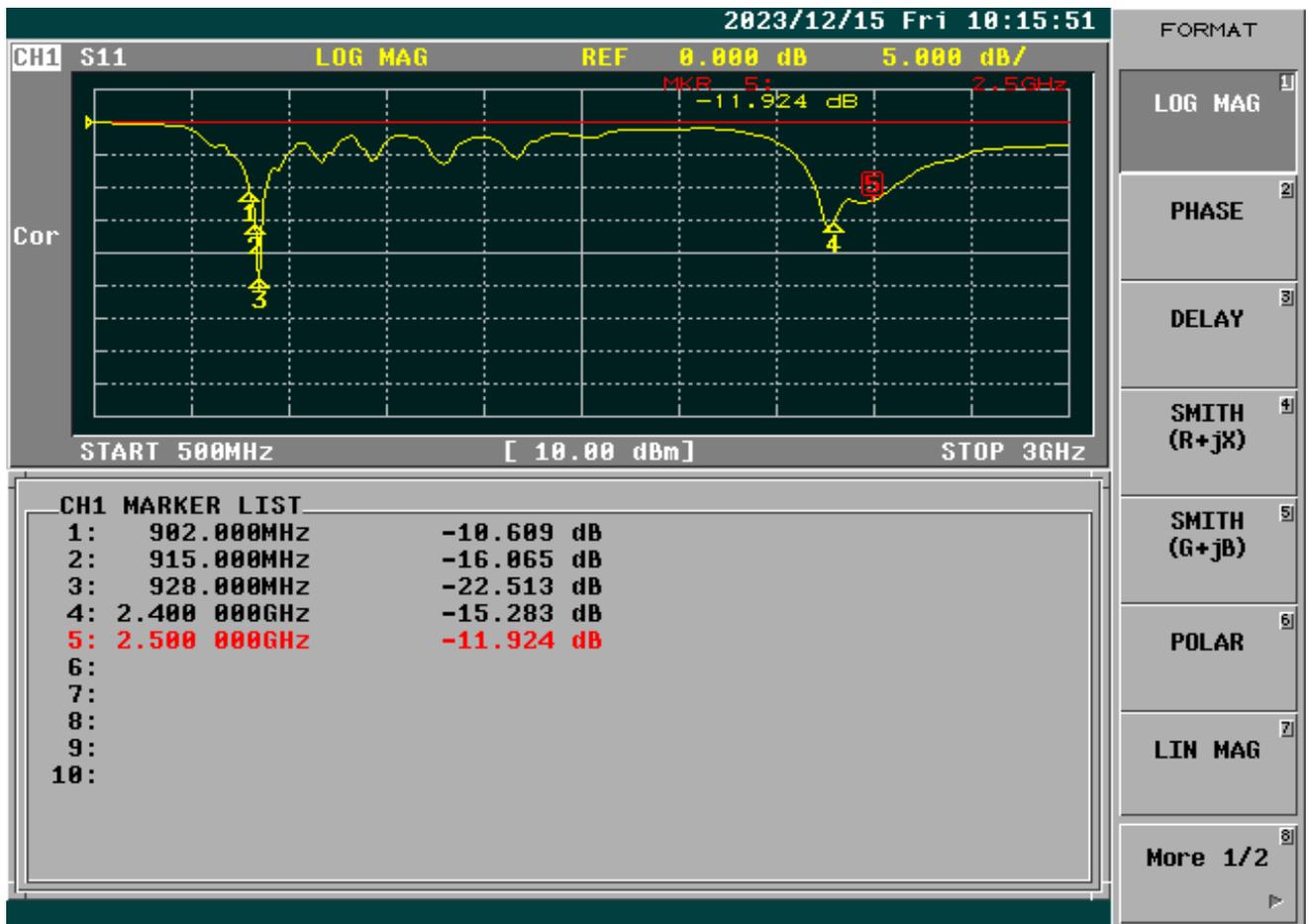
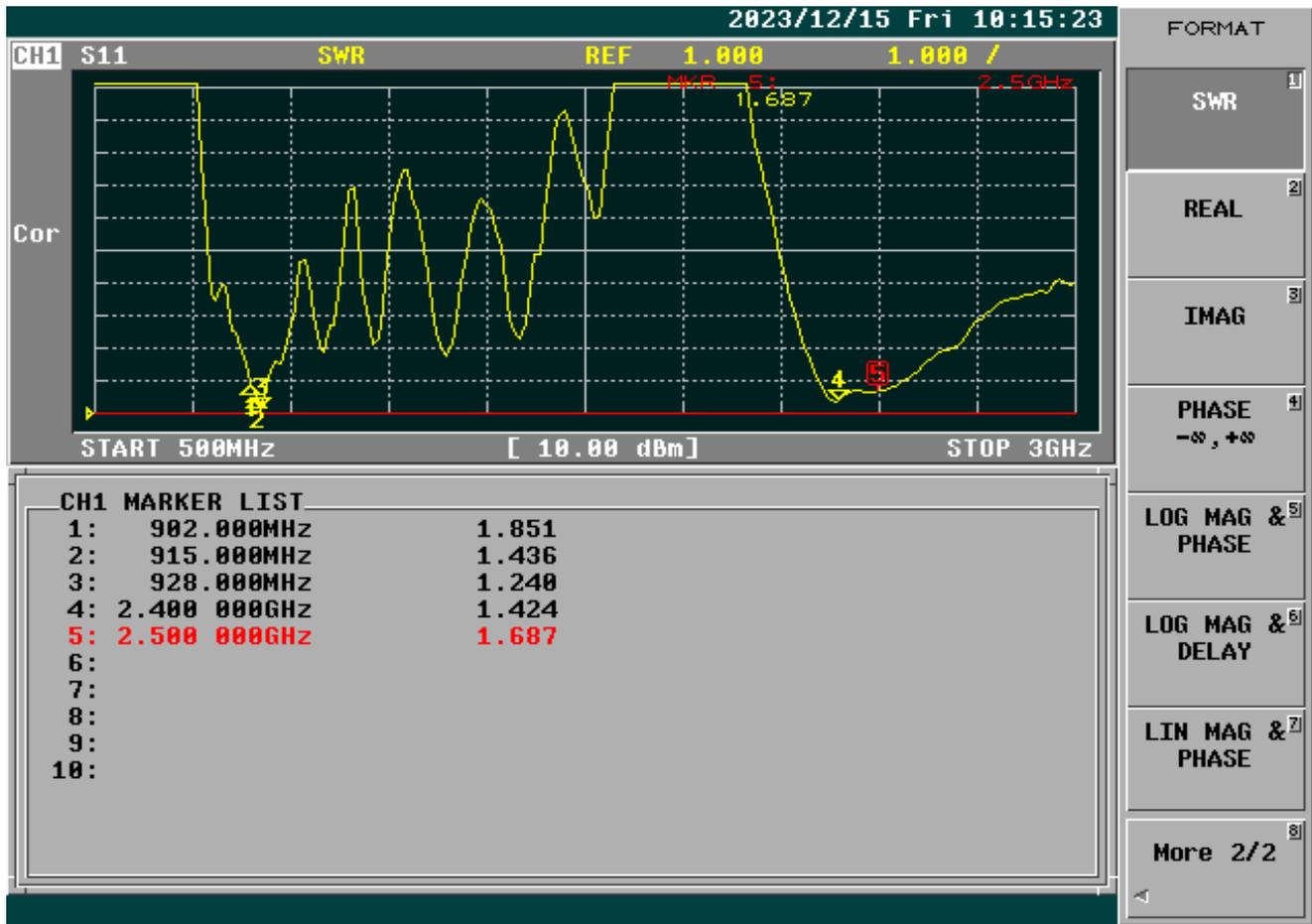
Parameter	Description
Antenna Type	External Antenna
Material	ASA-UV (UL94-HB)
Touch Type	Screw Type
Connector Type	SMA (Male)
Antenna Dimensions	OD12.5 x 69.7mm±1
Antenna Color	Black
Operating Temperature Range	-40°C~+80°C
Storage Temperature Range	-40°C~+80°C
Waterproof	IPX7 (Must match the silicone pad - optional)

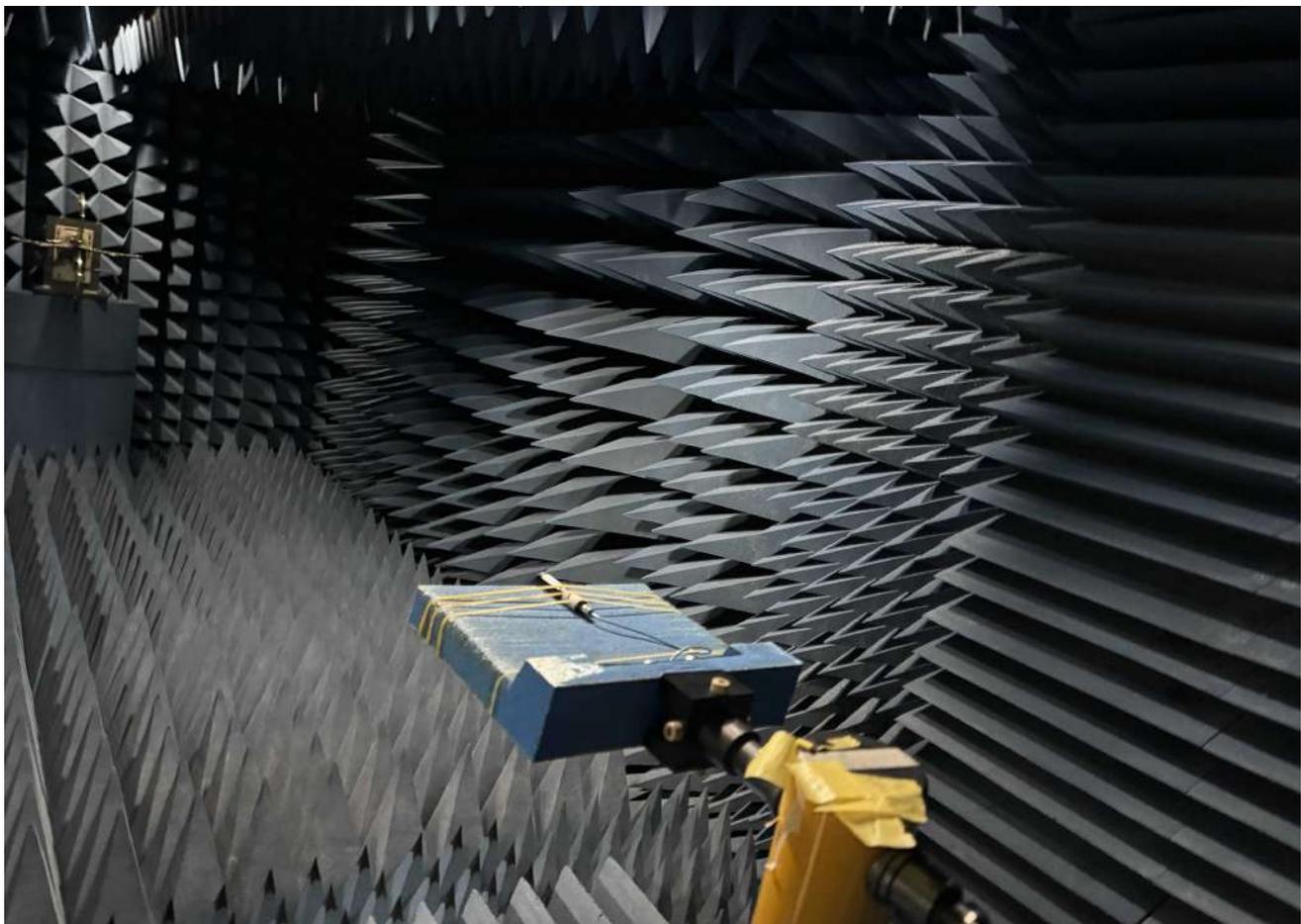
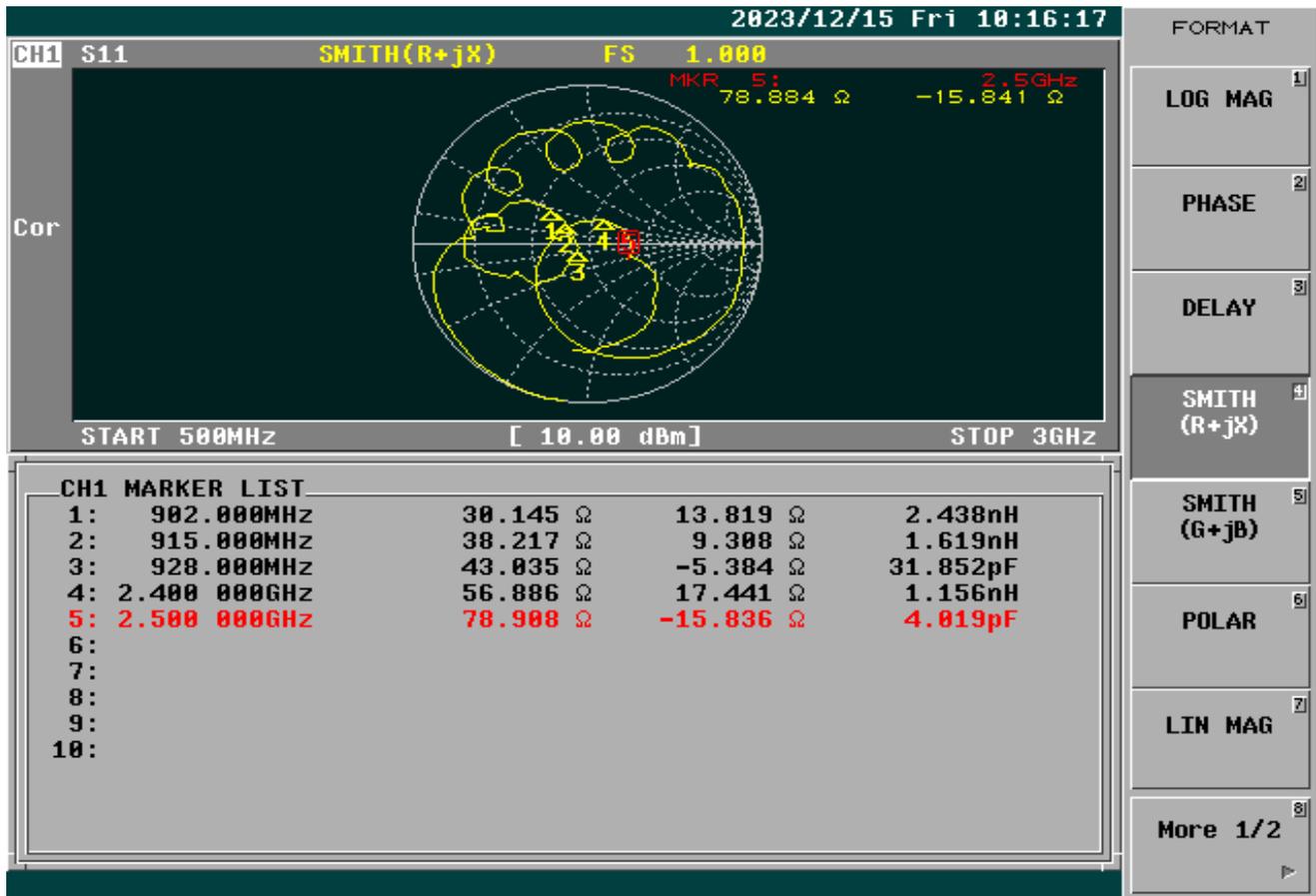
NO.	NAME	Q, TY
01	ASA-UV Tube	01
02	SMA(M)	01



 Third angle projection		CUSTOMER' S	MODEL	PARTS NUMBER	FREQUENCY	UNIT	SCALE	DATE	VERSION
			TH-9024E		900Mhz & 2.4Ghz	M/M		20231228	1
		TOLERANCE	X. XX±0. 15	NAME	PARTS NUMBER	APPROVED	CHECKED	DRAWING	DESIGNED
		SURFACE ROUGHNESS	\sqrt{R}	APPEARANCE					



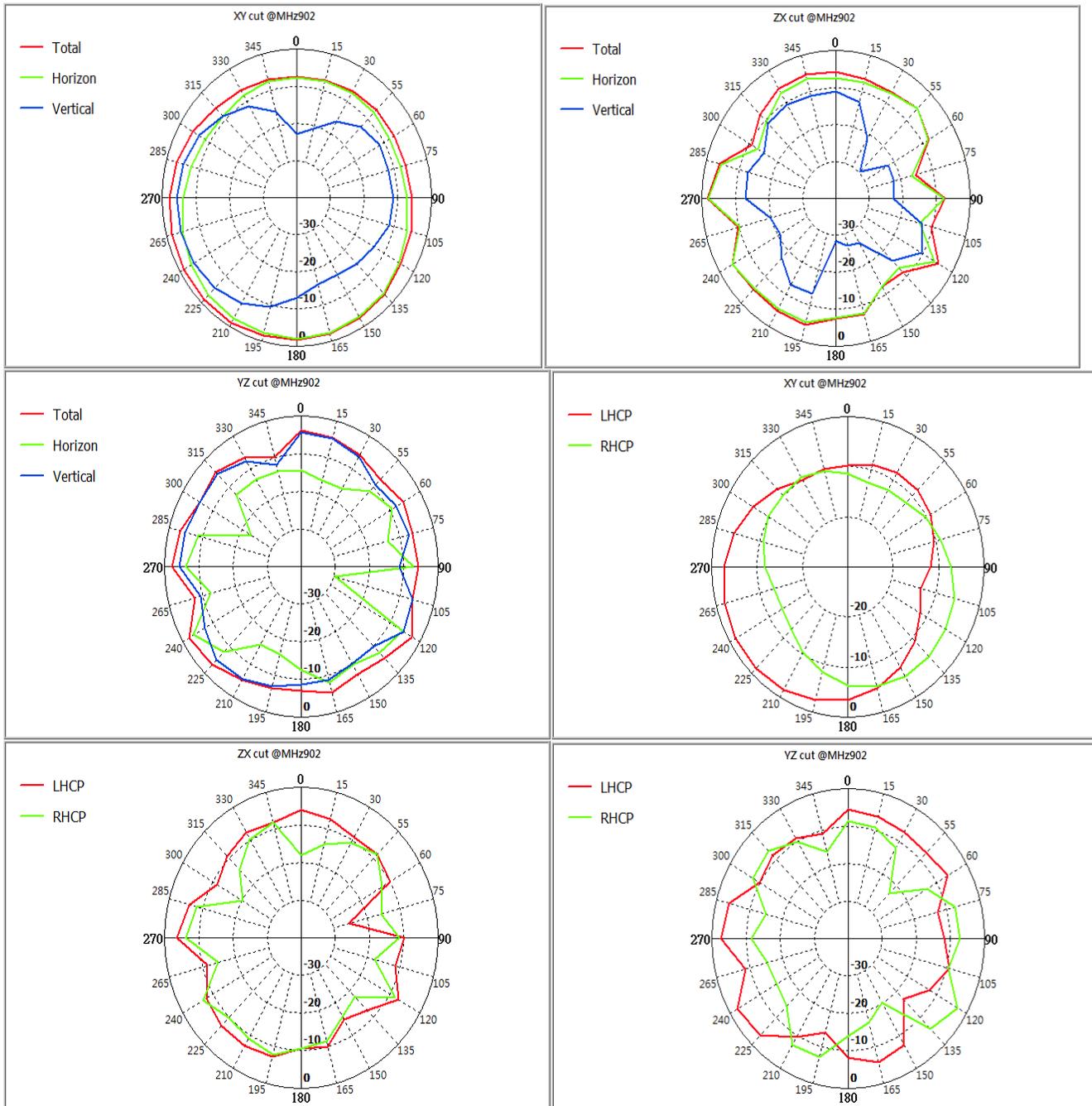


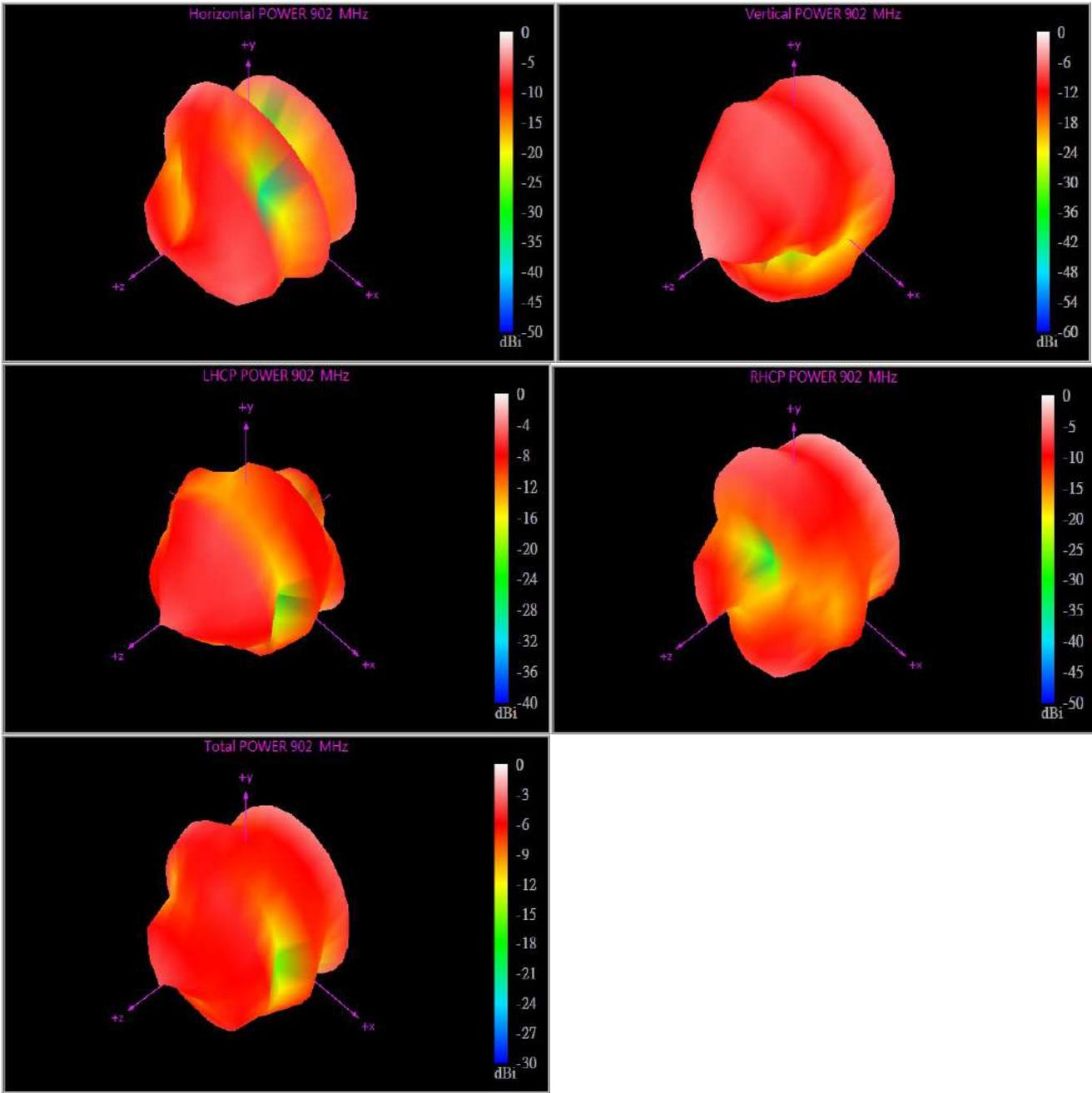


3D Total

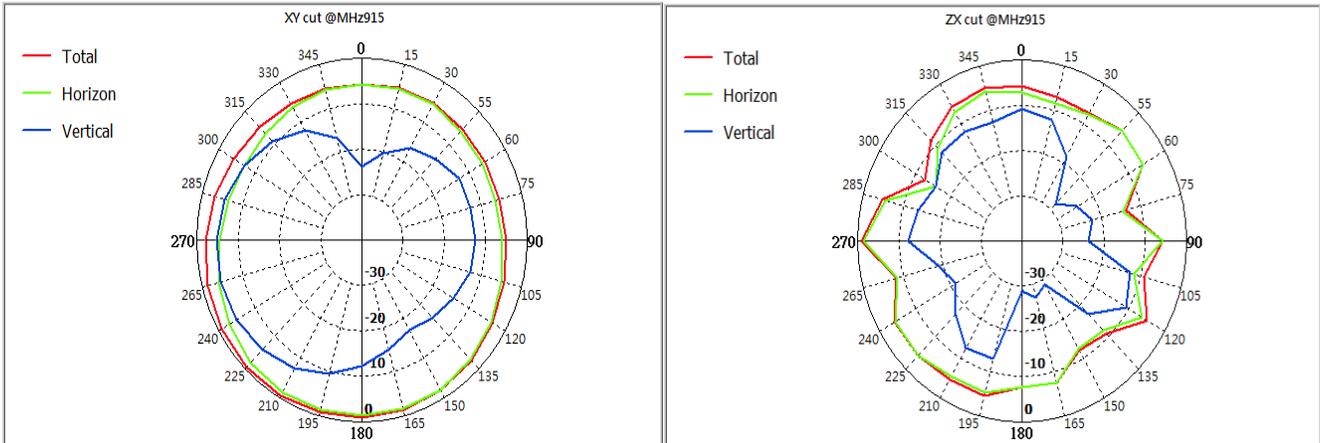
Frequency (MHz)	Upper Hem. PRP (dBm)	Lower HEM. PRP (dBm)	Efficiency (dB)	Efficiency (%)	Gain (dBi)	Tot. Rad.Pwr. (dBm)
900 MHz	-9.10	-8.54	-4.8	33.11	0.04	-4.8
902 MHz	-9.17	-8.54	-4.83	32.89	0.99	-4.83
915 MHz	-9.28	-8.33	-4.77	33.34	0.44	-4.77
928 MHz	-9.16	-8.06	-4.56	34.99	0.21	-4.56
930 MHz	-9.15	-8.05	-4.56	34.99	0.19	-4.56
2400 MHz	-5.11	-6.49	-2.74	53.23	0.81	-2.74
2450 MHz	-4.89	-6.01	-2.41	57.47	1.23	-2.41
2500 MHz	-4.87	-5.73	-2.27	59.30	1.23	-2.27

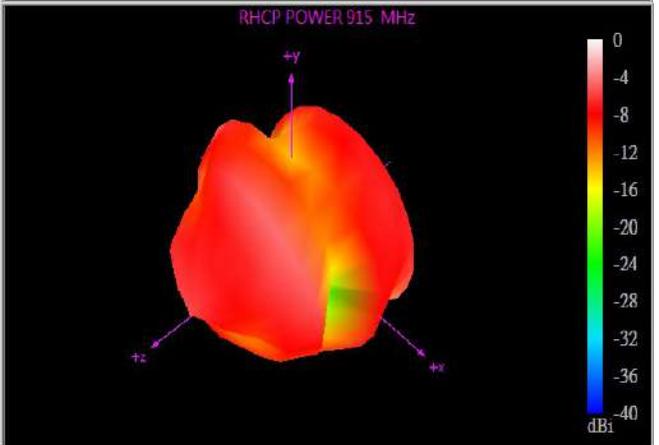
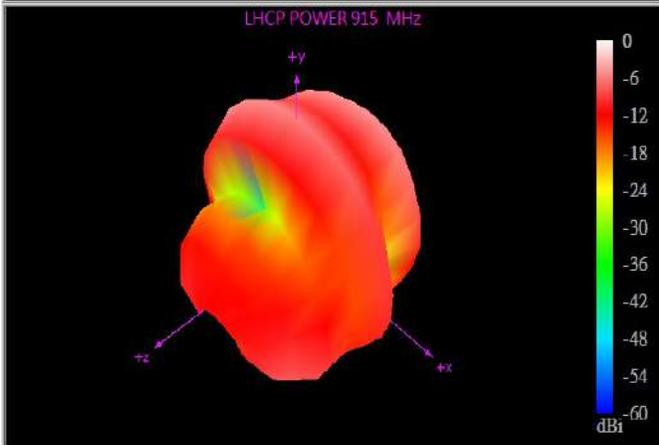
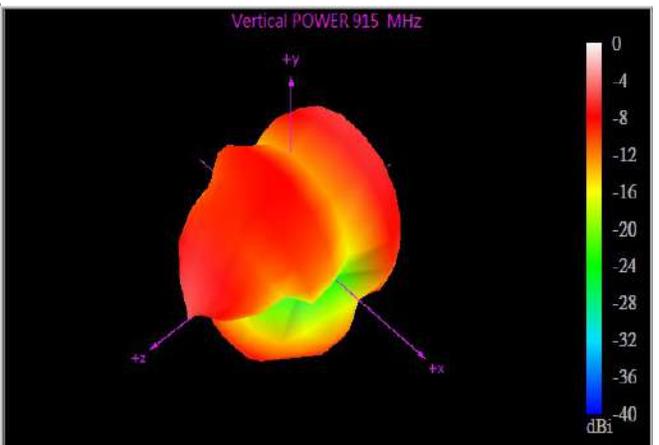
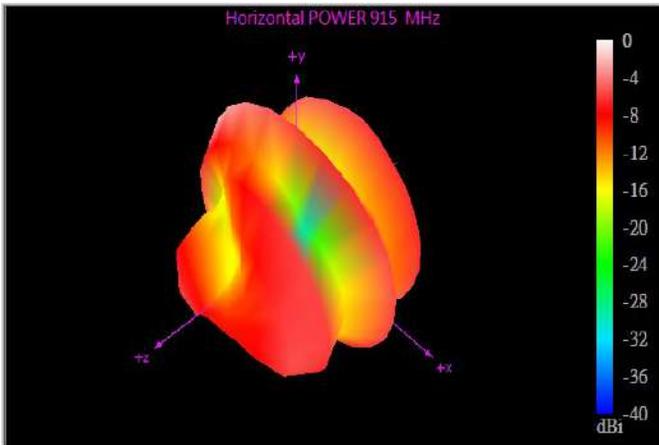
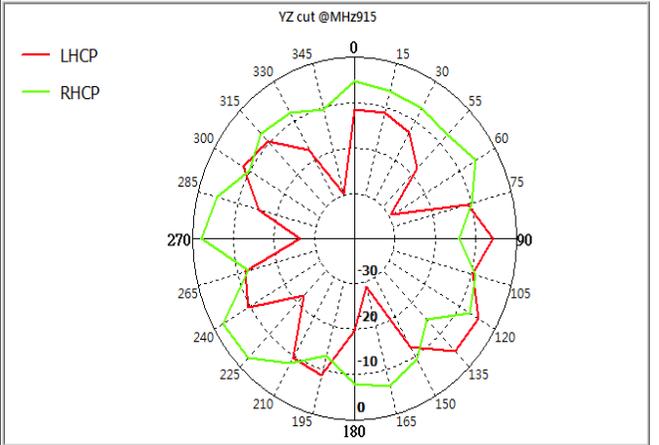
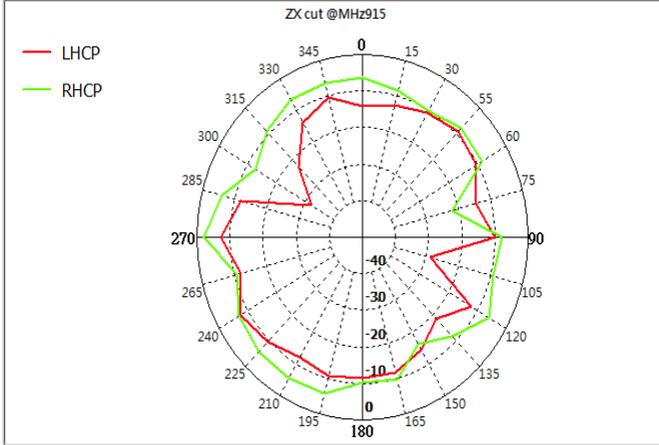
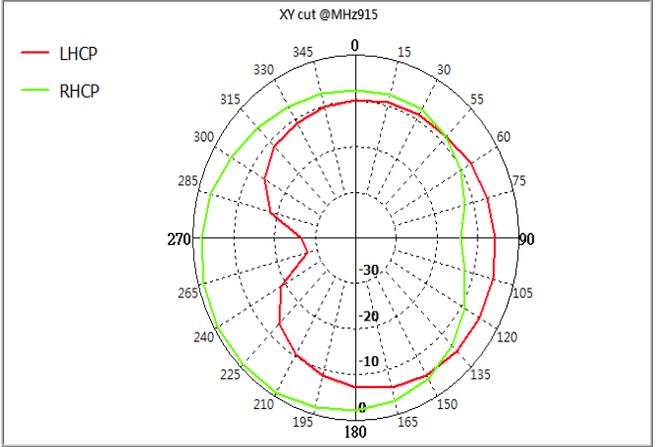
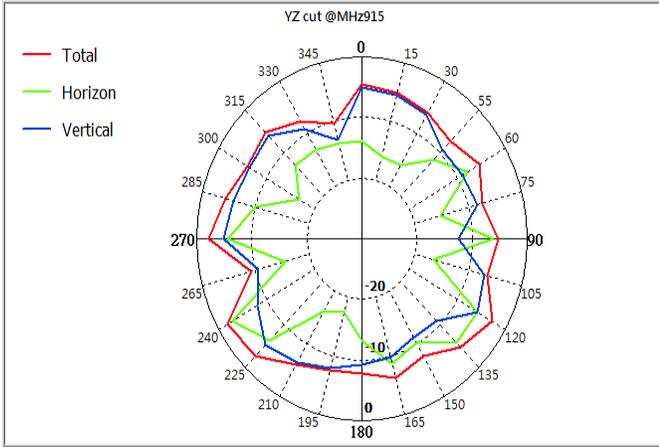
902MHz:

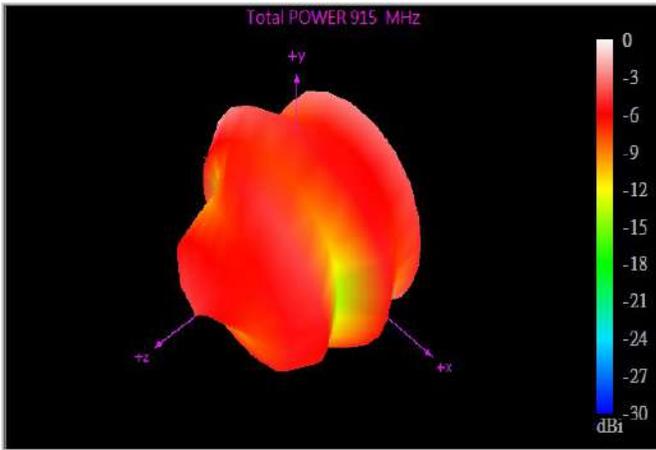




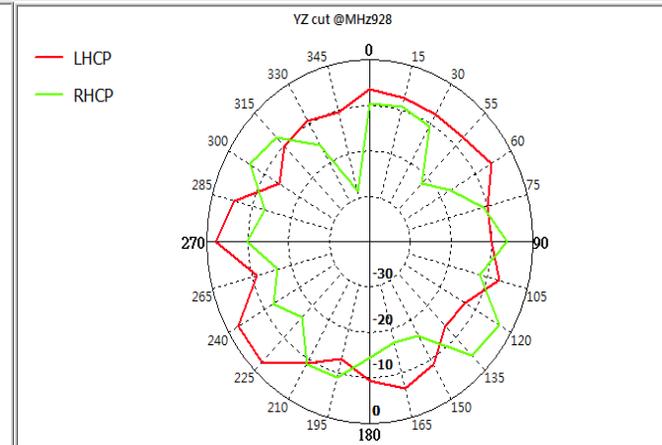
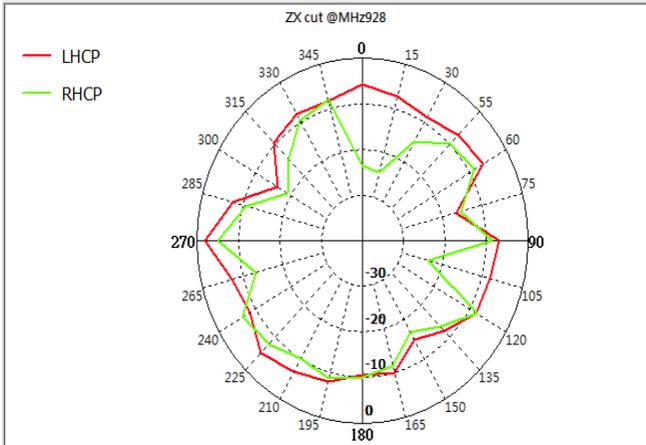
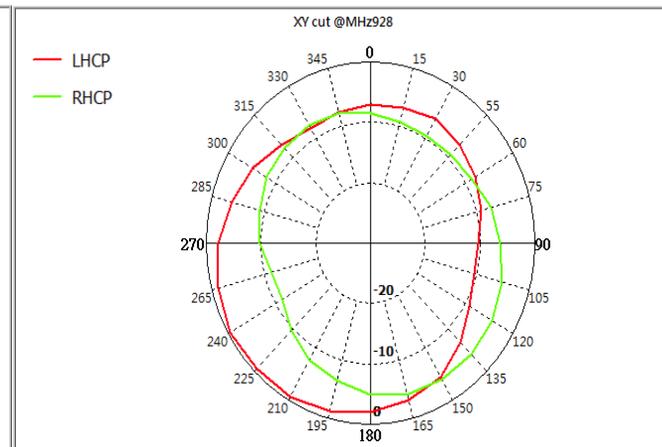
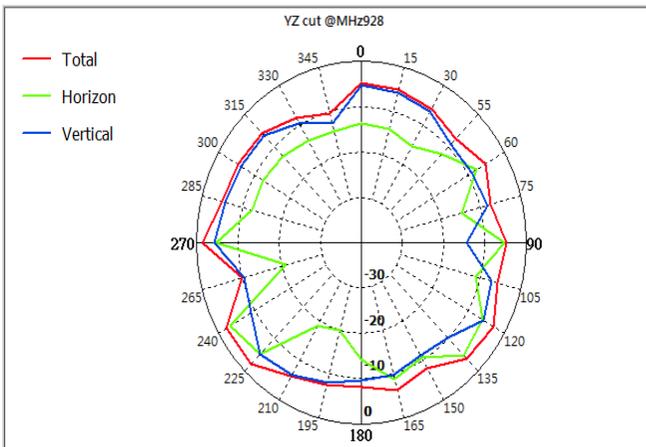
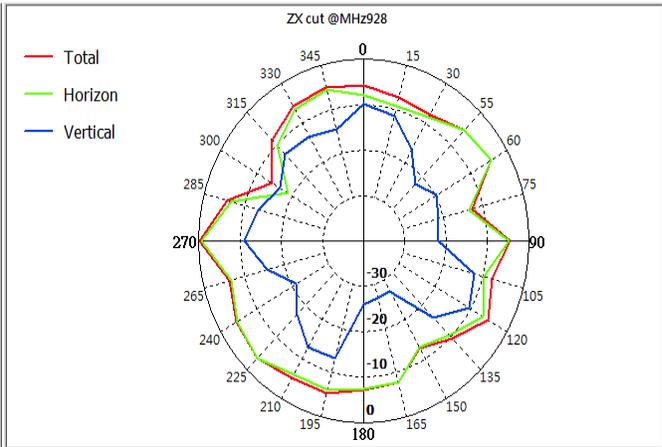
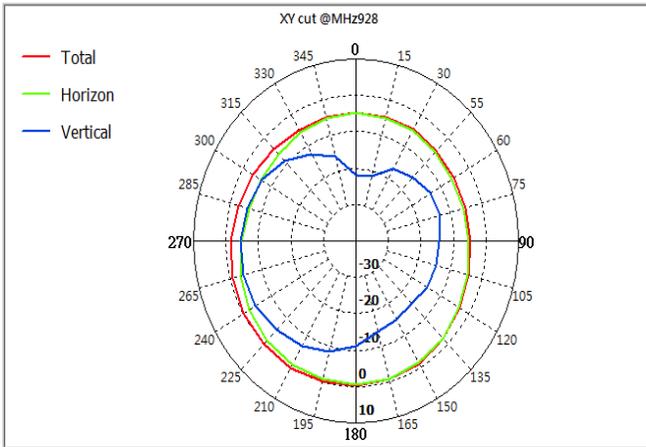
915Mhz:

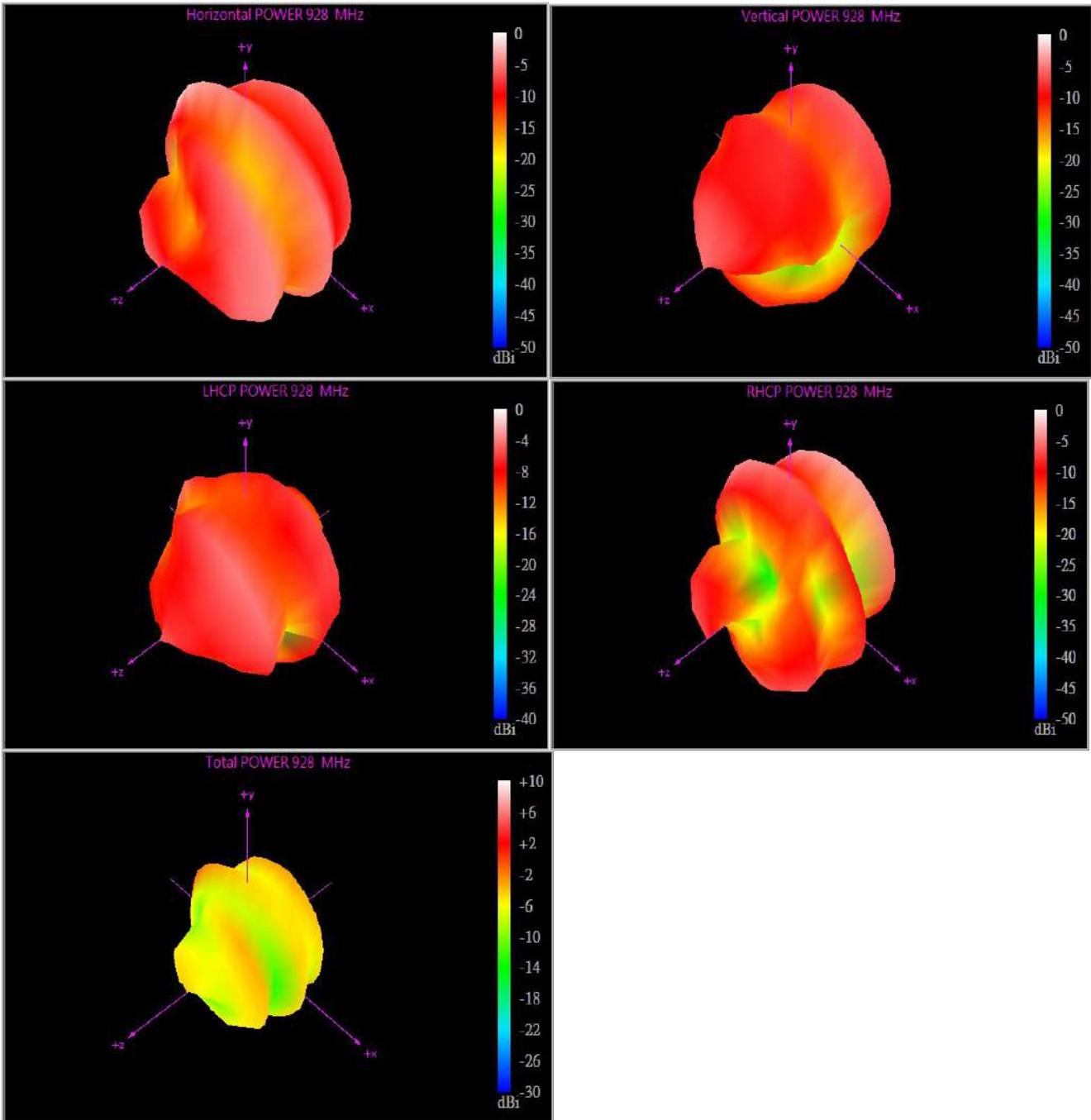




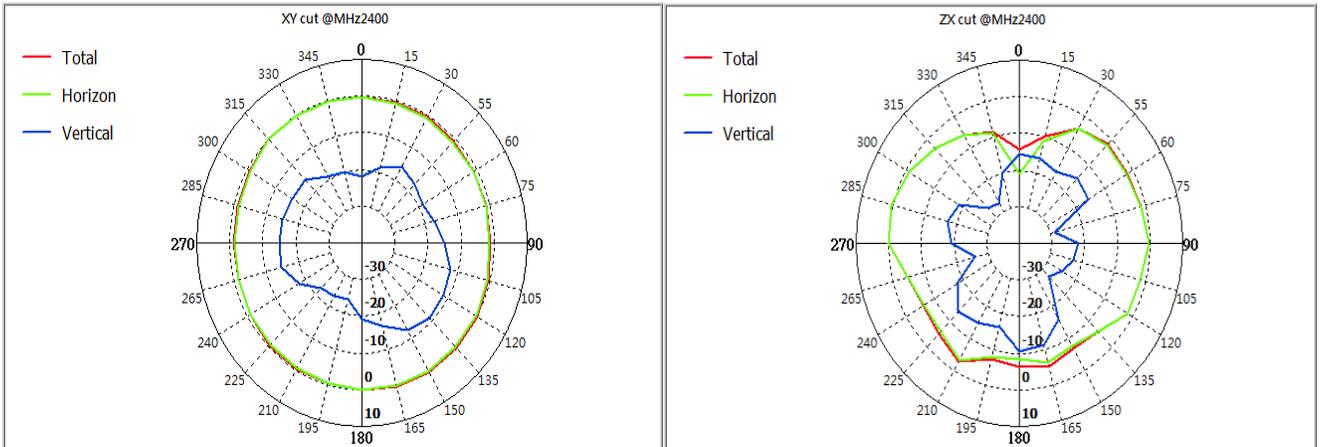


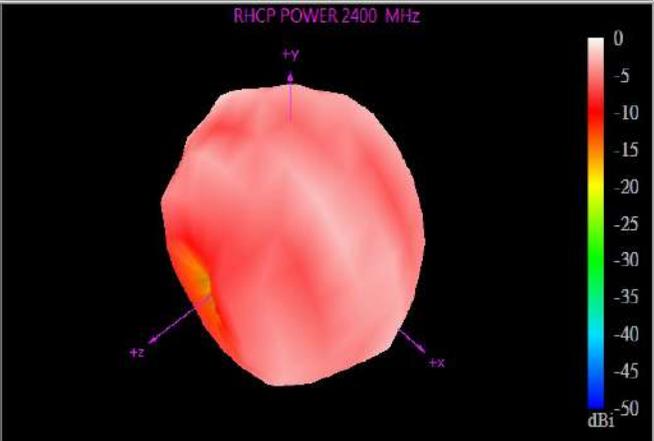
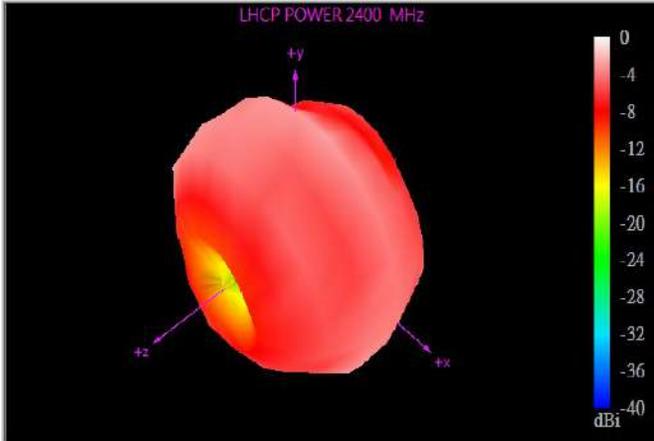
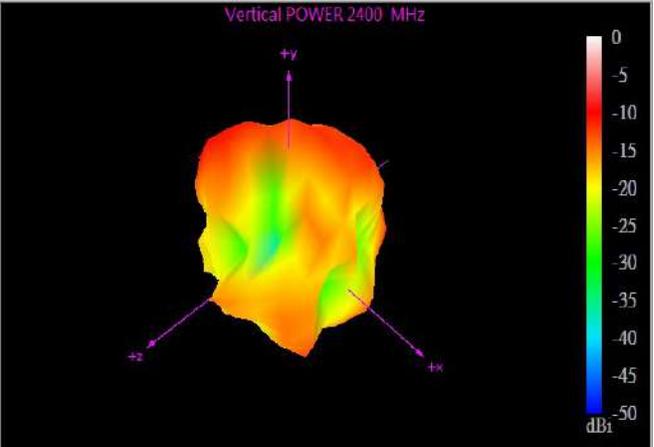
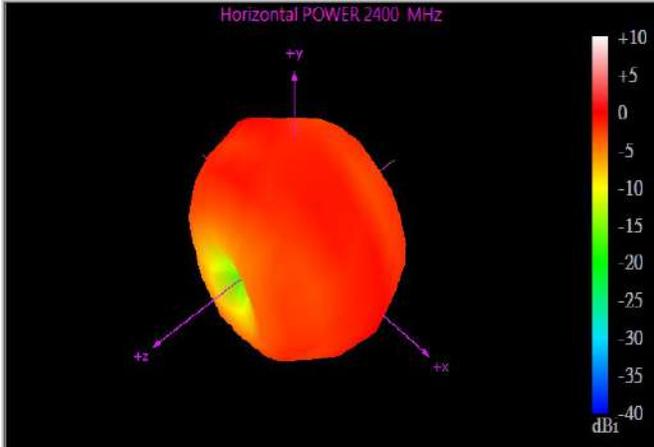
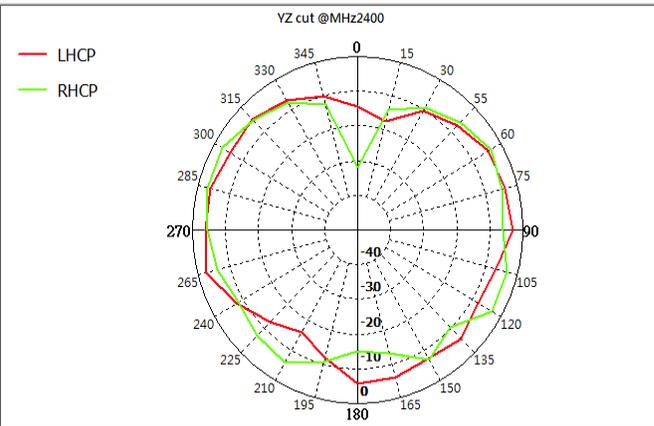
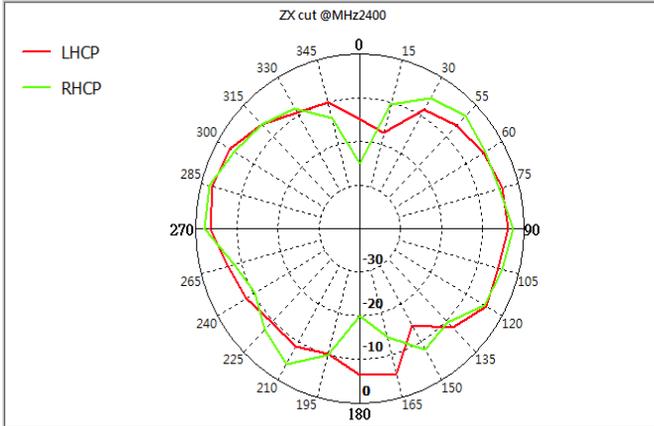
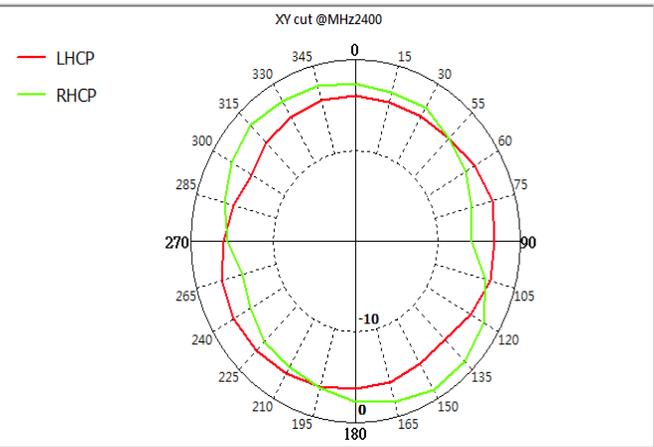
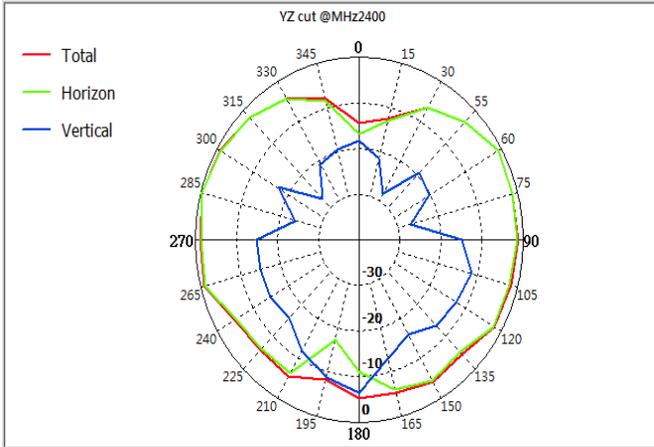
928Mhz:

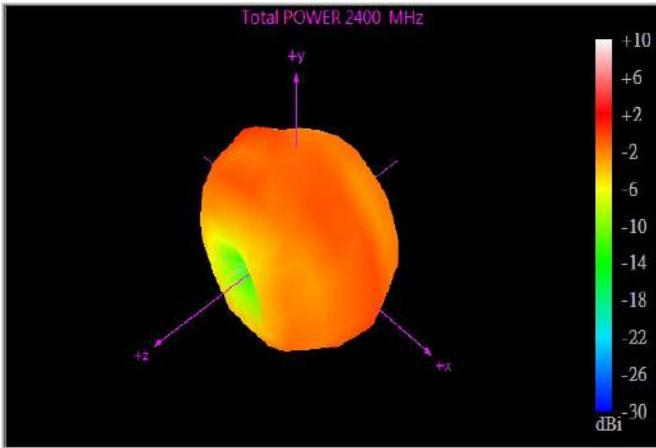




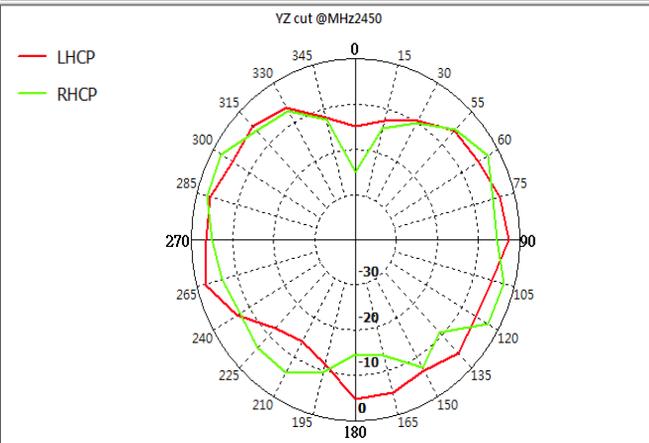
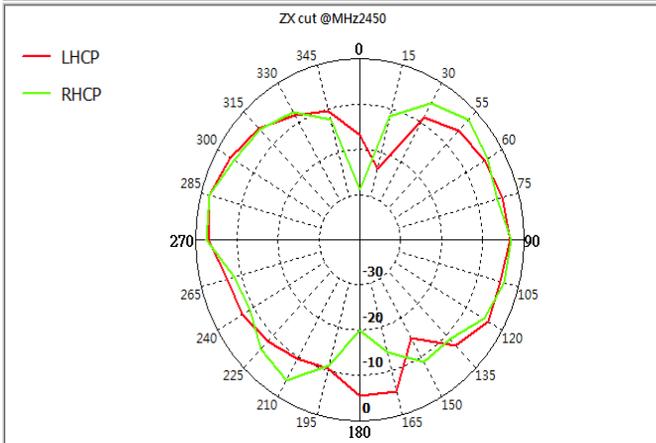
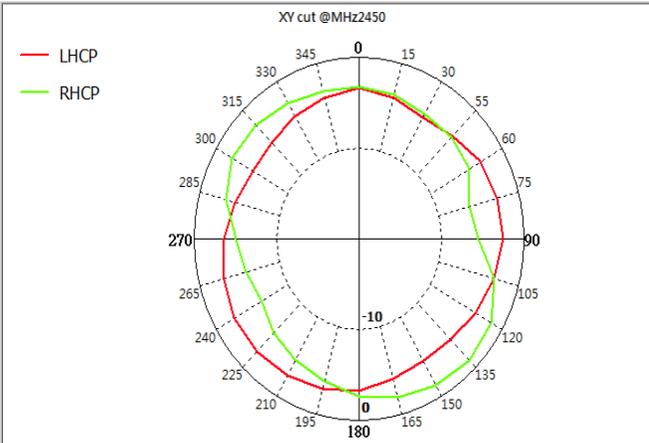
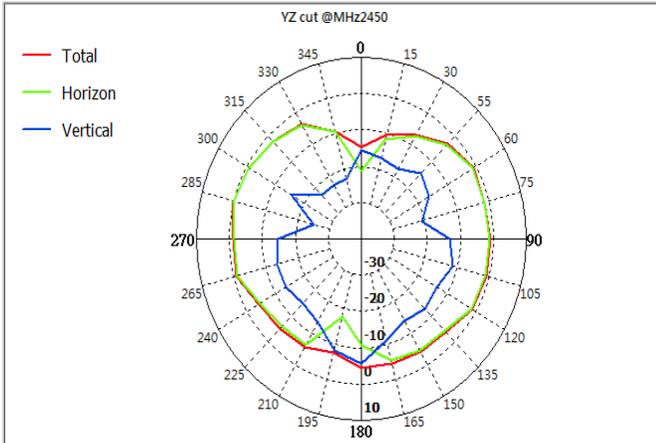
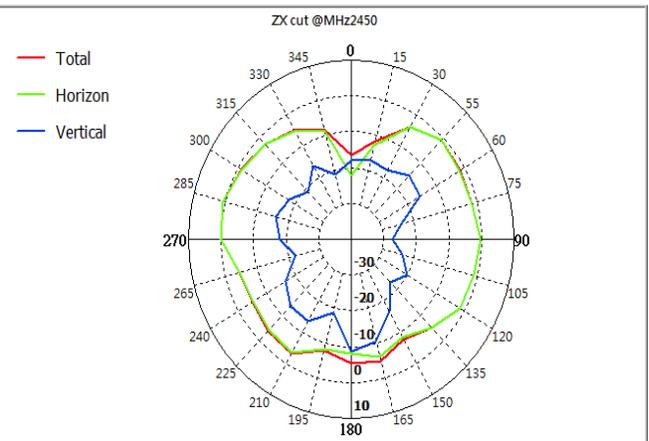
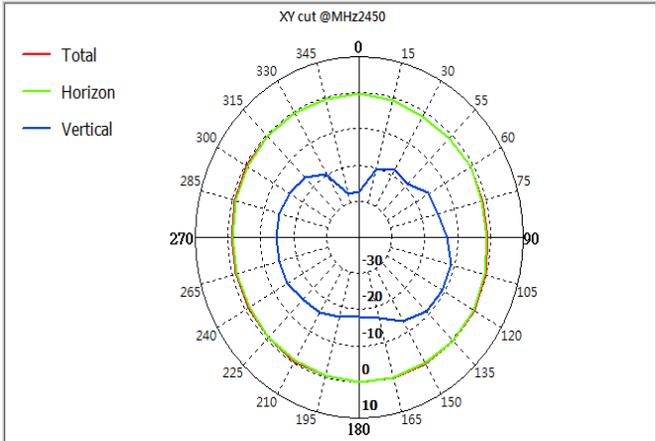
2.4Ghz:

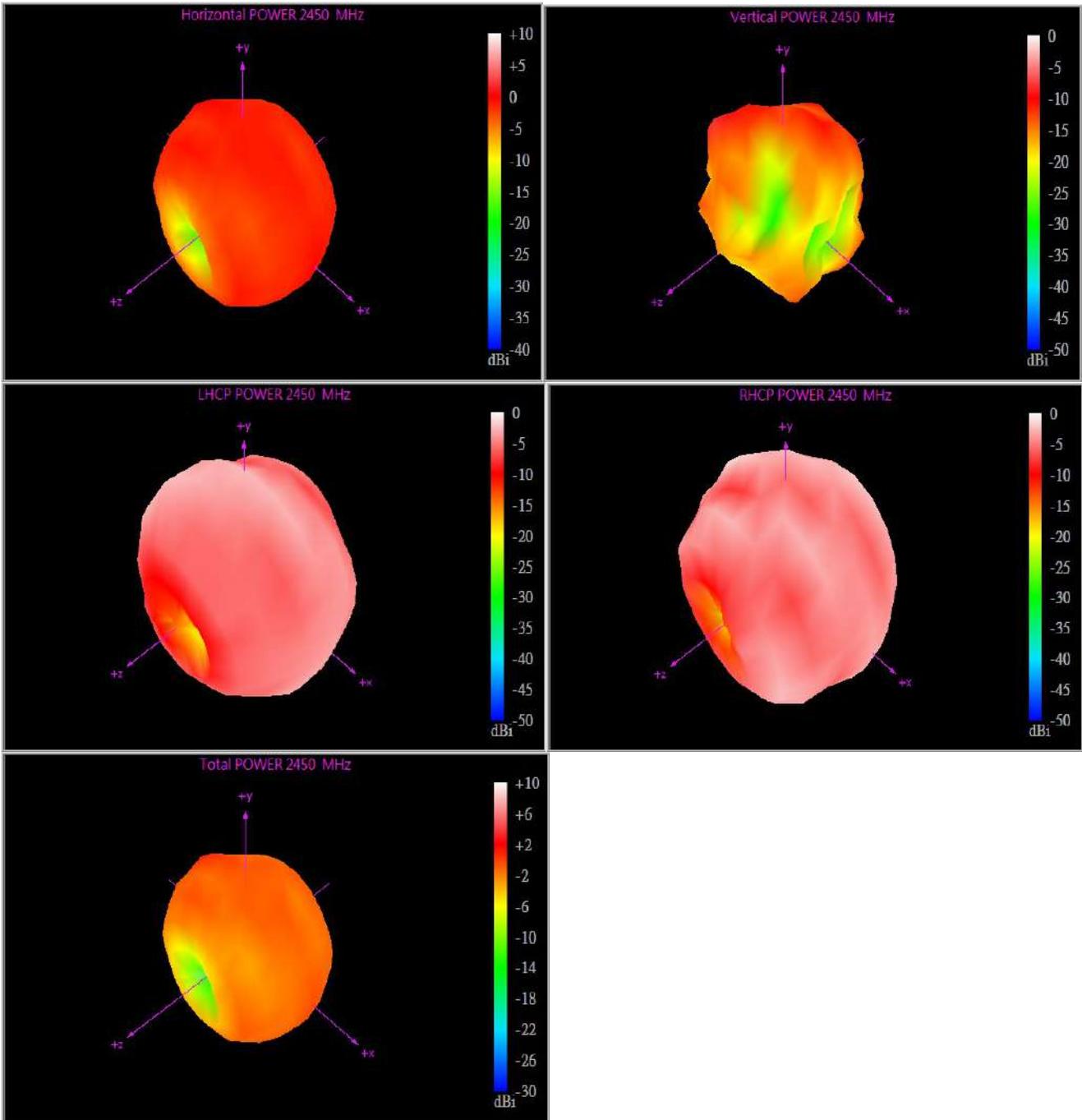






2.45Ghz:





2.5Ghz:

