

1.45Ghz Antenna

MODEL: TH-1450G



1.. GENERAL DESCRIPTION

Model No
TH1450G-N(M)

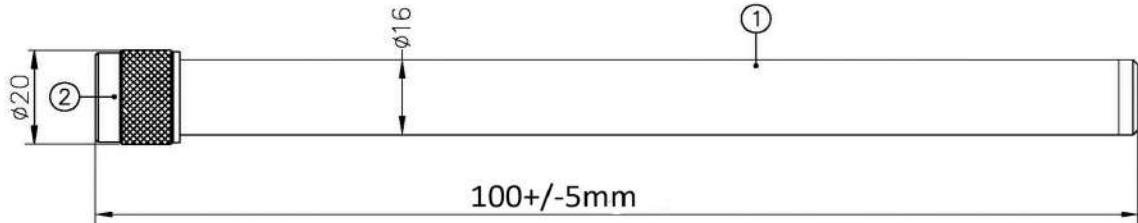
1.1 Electrical Properties



Parameter	Description
Frequency Band	1350~1550MHz
Nominal Impedance	50 ohm
Polarization	Vertical
V.S.W.R	2.0:1
Peak gain	0dbi
Power	30W

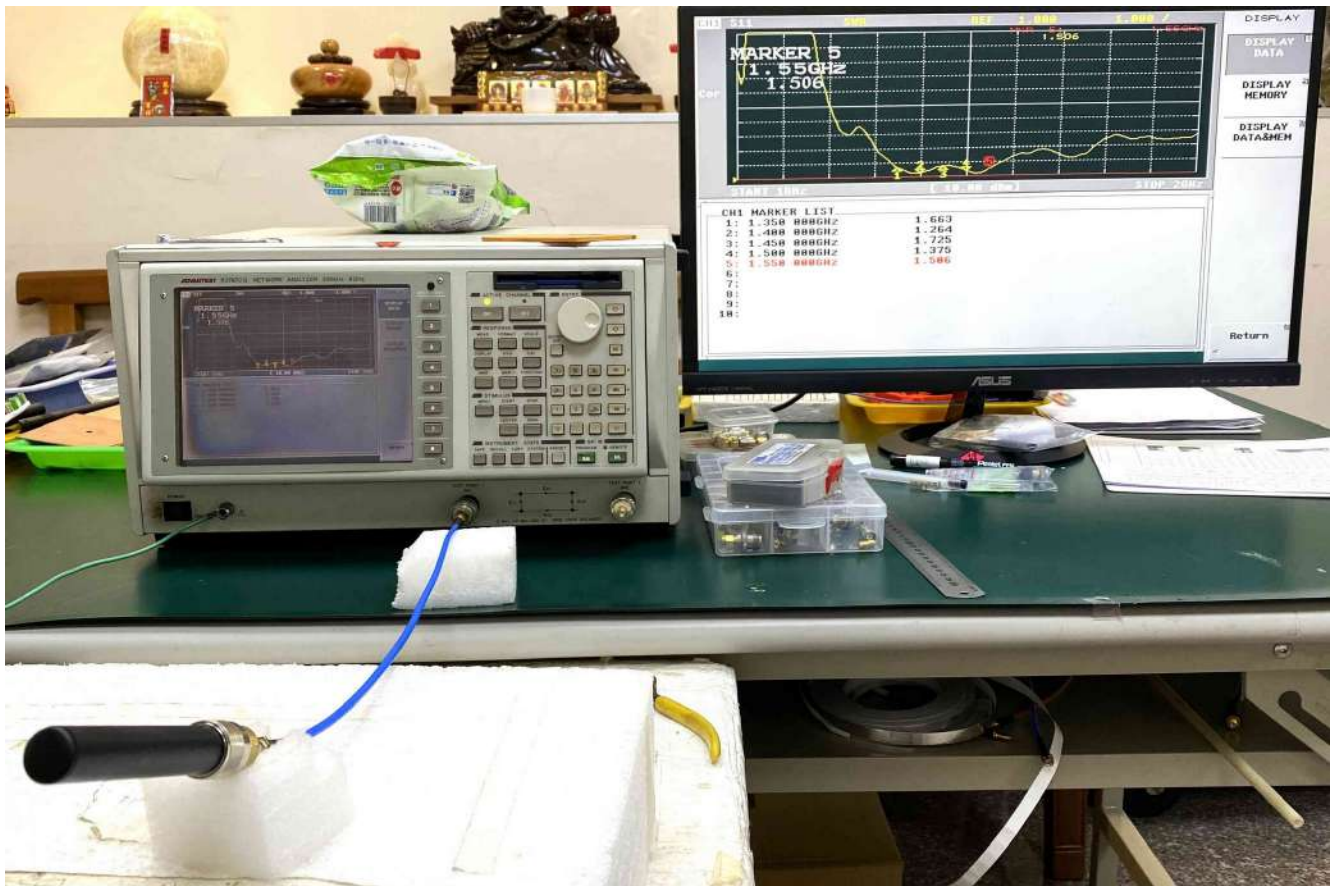
1.2 Mechanical Properties

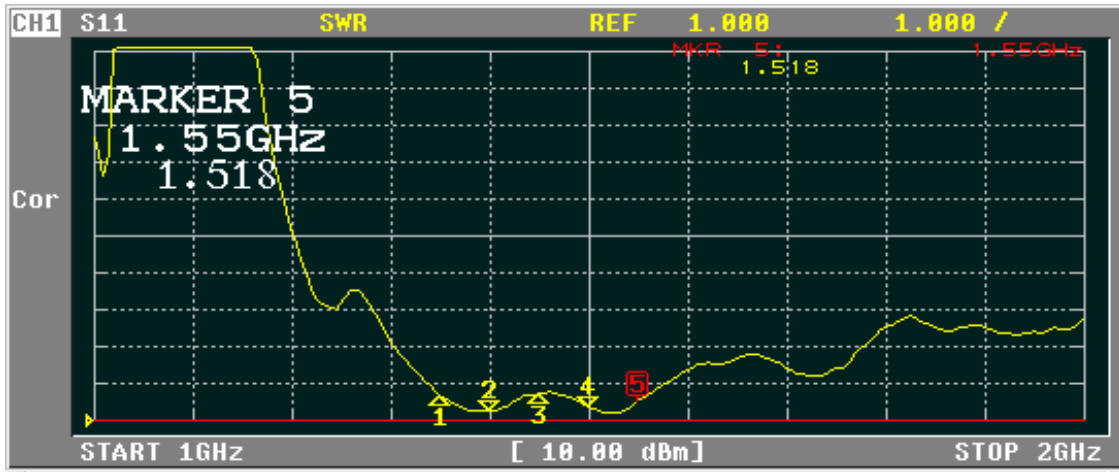
Parameter	Description
Antenna Type	External Antenna
Material	ASA
Touch Type	Screw Type
Connector Type	N connector (Male)
Antenna Dimensions	100mm \pm 5
Antenna Color	Black
Operating Temperature Range	-30°C~+70°C
Storage Temperature Range	-30°C~+70°C

NO.	NAME	FINISH	Q, TY
01	Core tube	Black	01
02	N(Male)	Nickel plating	01



 Third angle projection	CUSTOMER'S	MODEL	PARTS NUMBER	FREQUENCY	UNIT	SCALE	DATE	VERSION
			TH-1450G		1350~1550Mhz	M/M		20240805
	TOLERANCE	X.XX±0.15	NAME	PARTS NUMBER	APPROVED	CHECKED	DRAWING	DESIGNED
	SURFACE ROUGHNESS		APPEARANCE					





DISPLAY

DISPLAY DATA 1]

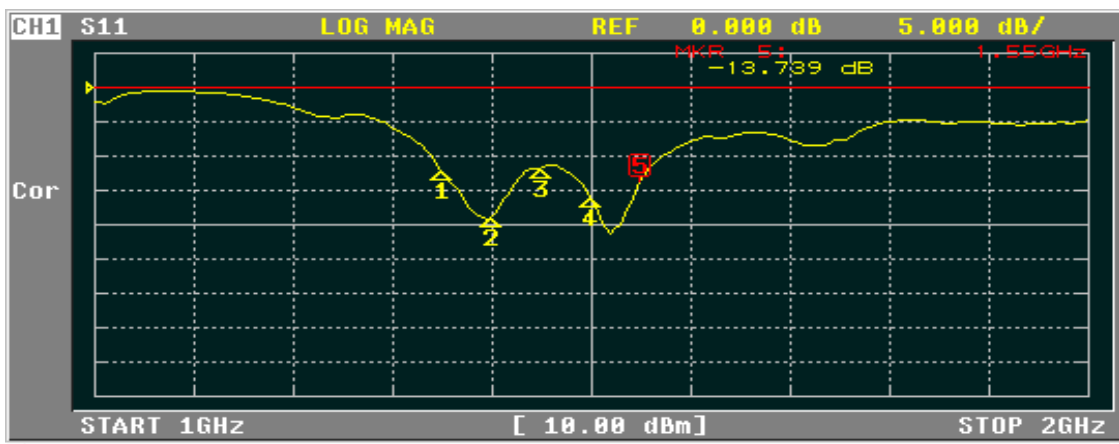
DISPLAY MEMORY 2]

DISPLAY DATA&MEM 3]

Return 8]

CH1 MARKER LIST

1:	1.350 000GHz	1.682
2:	1.400 000GHz	1.253
3:	1.450 000GHz	1.713
4:	1.500 000GHz	1.368
5:	1.550 000GHz	1.518
6:		
7:		
8:		
9:		
10:		



FORMAT

LOG MAG 1]

PHASE 2]

DELAY 3]

SMITH (R+jX) 4]

SMITH (G+jB) 5]

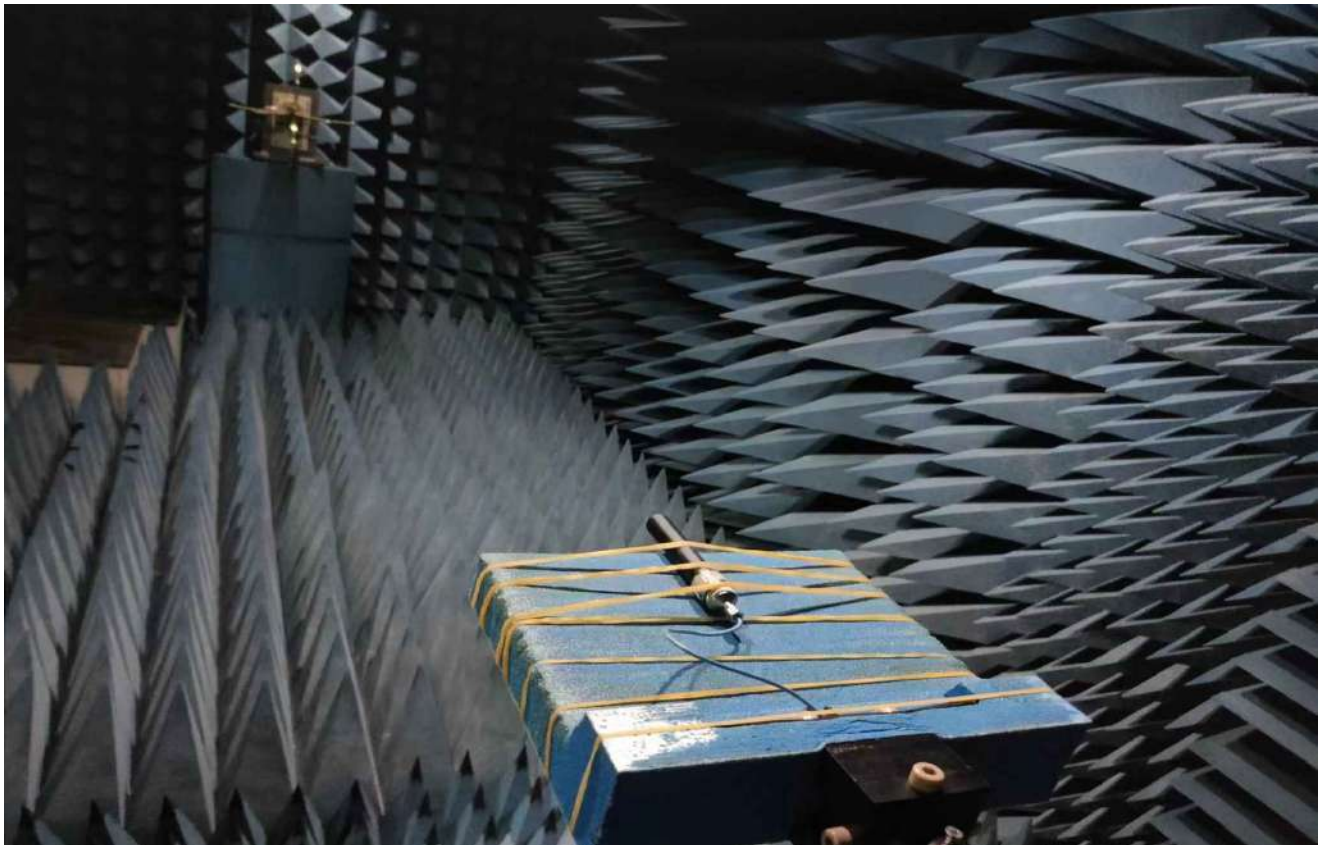
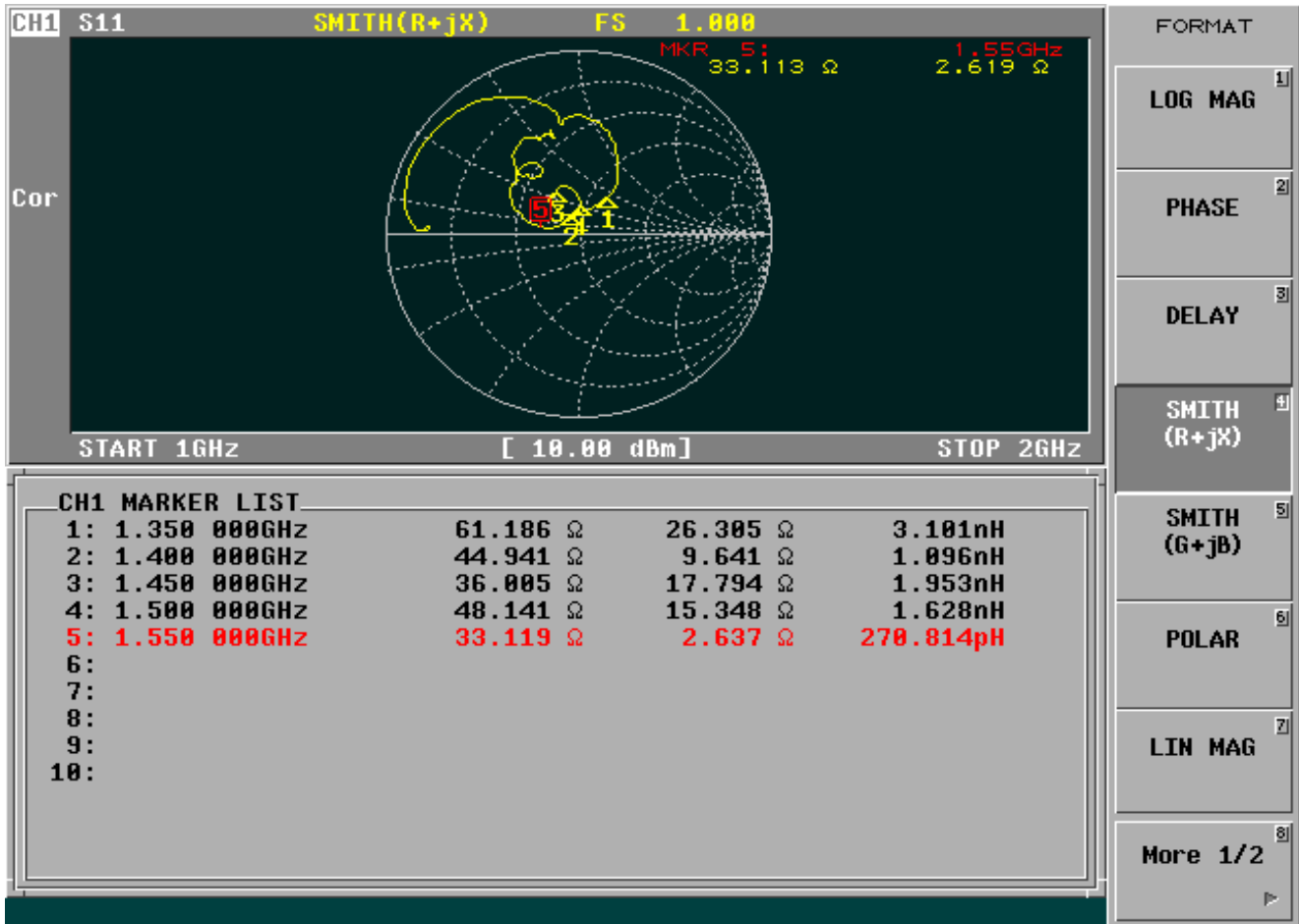
POLAR 6]

LIN MAG 7]

More 1/2 8]

CH1 MARKER LIST

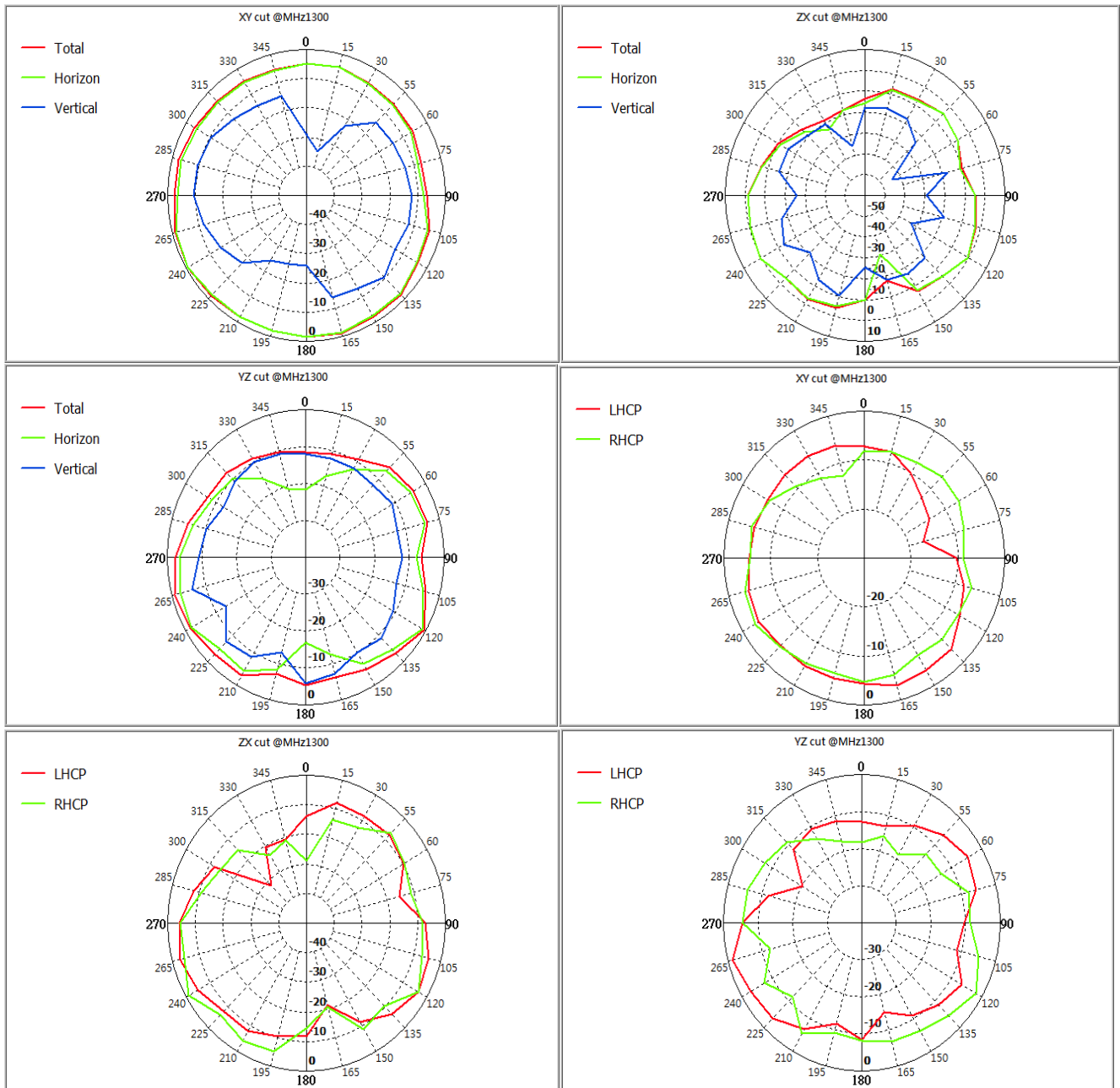
1:	1.350 000GHz	-11.983 dB
2:	1.400 000GHz	-18.906 dB
3:	1.450 000GHz	-11.757 dB
4:	1.500 000GHz	-16.152 dB
5:	1.550 000GHz	-13.723 dB
6:		
7:		
8:		
9:		
10:		

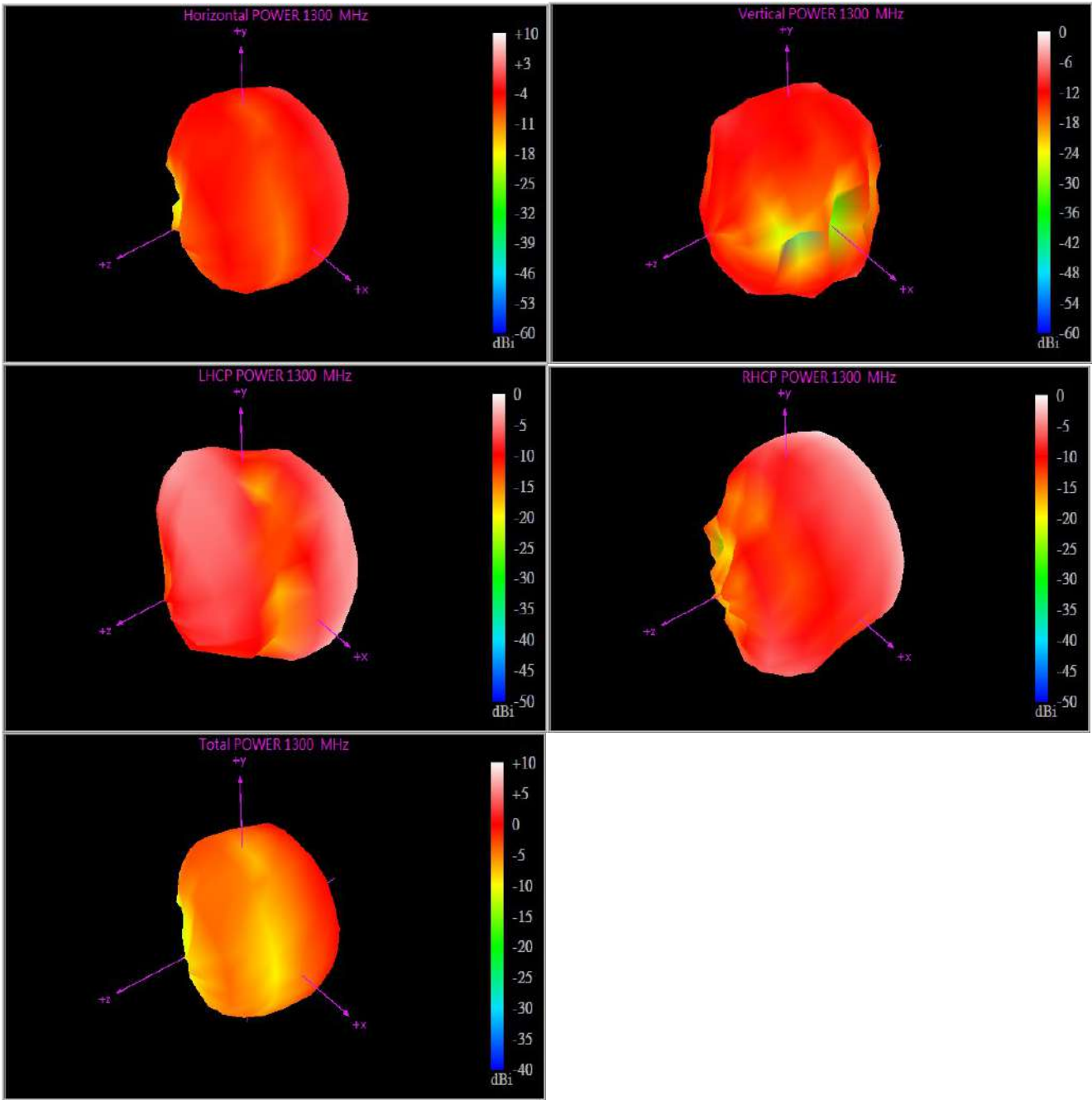


3D Total

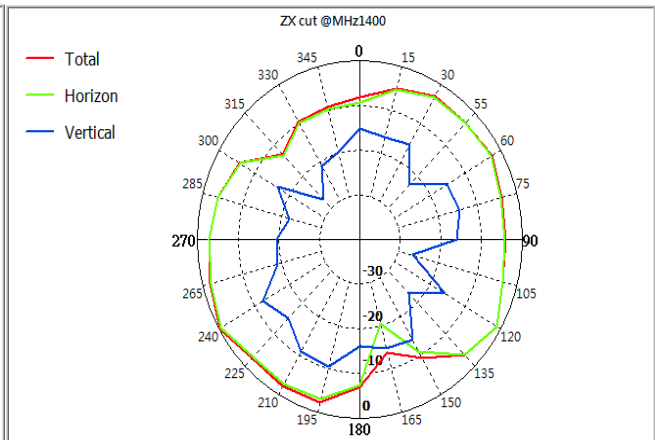
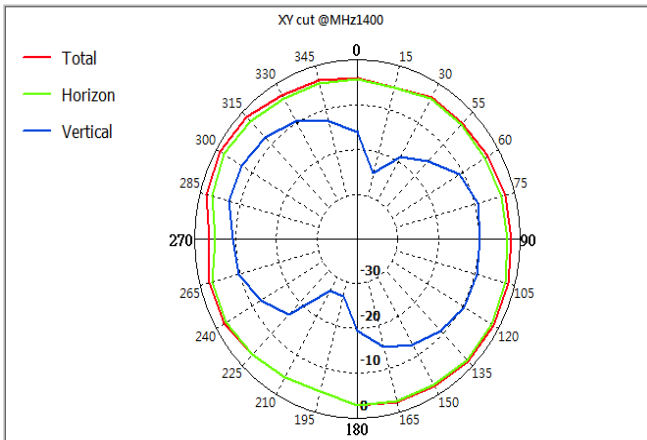
Frequency (MHz)	Upper Hem. PRP (dBm)	Lower HEM. PRP (dBm)	Efficiency (dB)	Efficiency (%)	Gain (dBi)	Tot. Rad.Pwr. (dBm)
1300 MHz	-9.40	-5.65	-4.12	38.70	0.54	-4.12
1350 MHz	-8.47	-5.53	-3.75	42.21	0.65	-3.75
1400 MHz	-7.11	-5.57	-3.26	47.21	0.28	-3.26
1450 MHz	-7.02	-6.08	-3.51	44.52	-0.06	-3.51
1500 MHz	-7.34	-6.13	-3.68	42.85	0.02	-3.68
1550 MHz	-7.70	-6.15	-3.85	41.23	0.43	-3.85
1570 MHz	-7.55	-5.89	-3.63	43.35	0.22	-3.63
1600 MHz	-7.69	-5.86	-3.67	42.98	0.33	-3.67

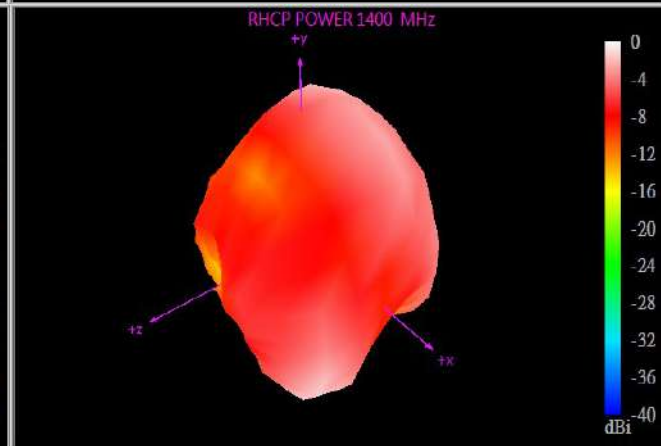
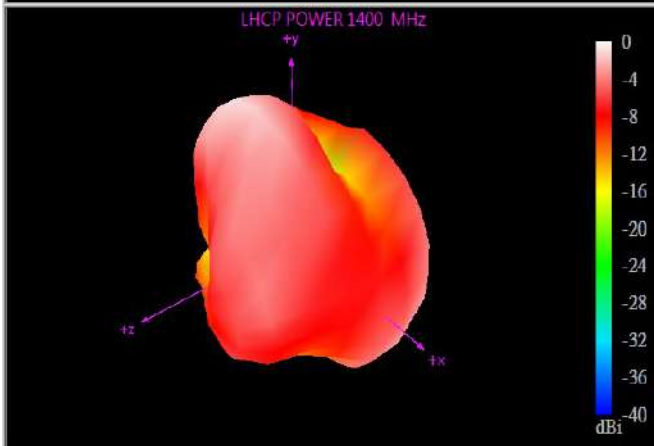
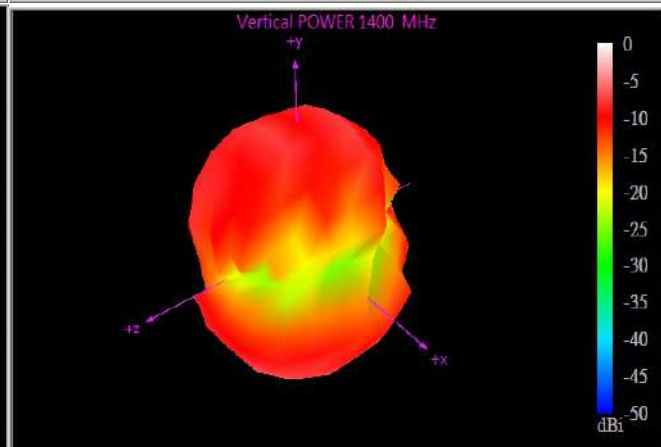
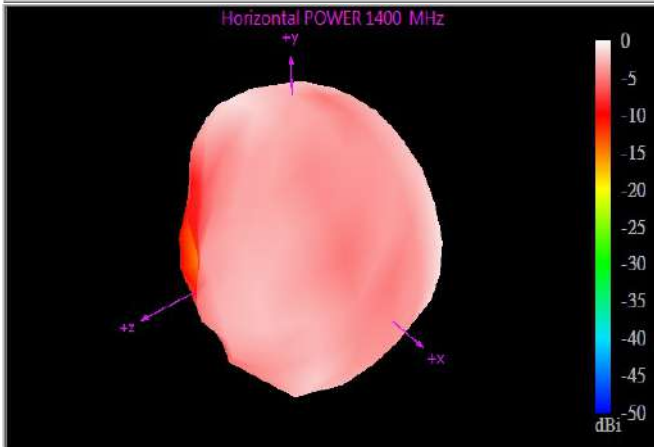
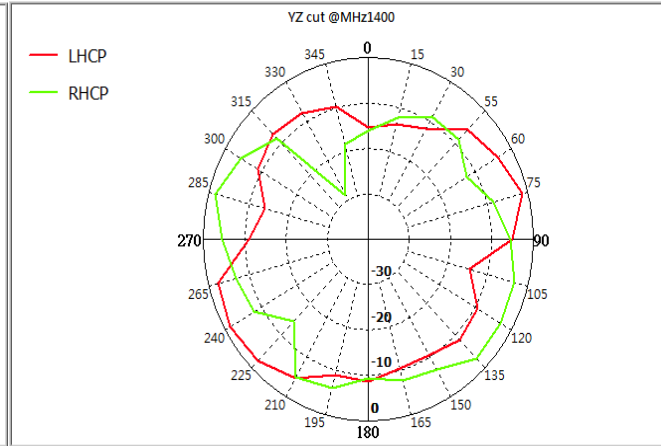
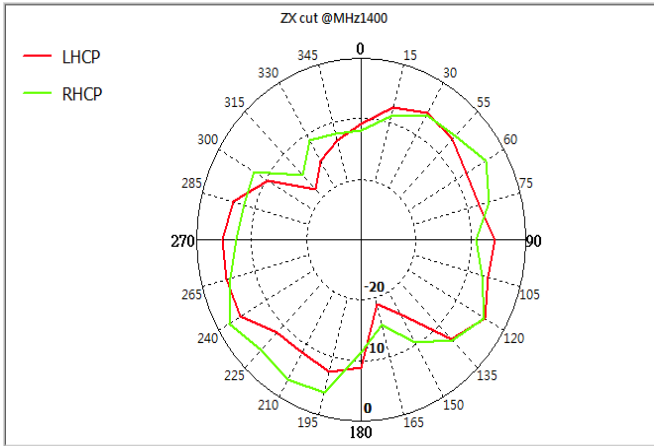
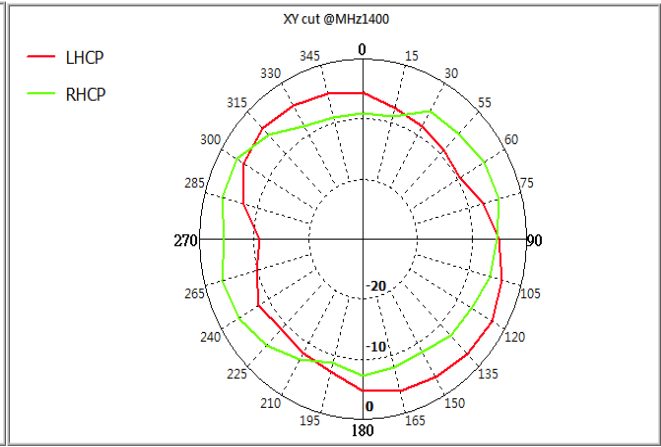
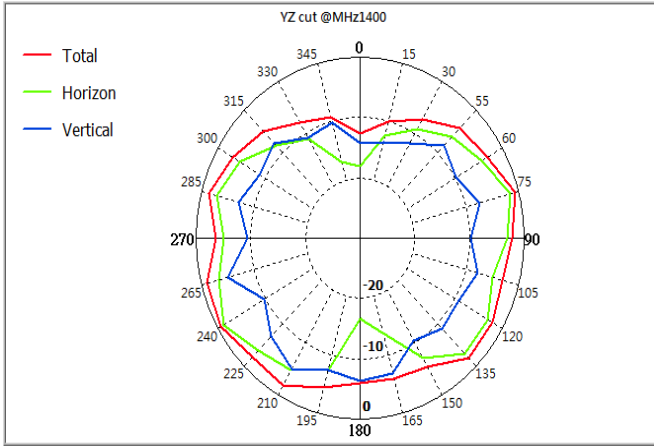
1300MHz:

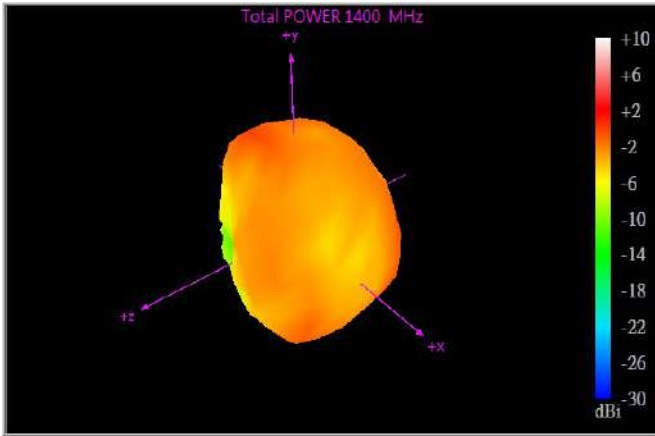




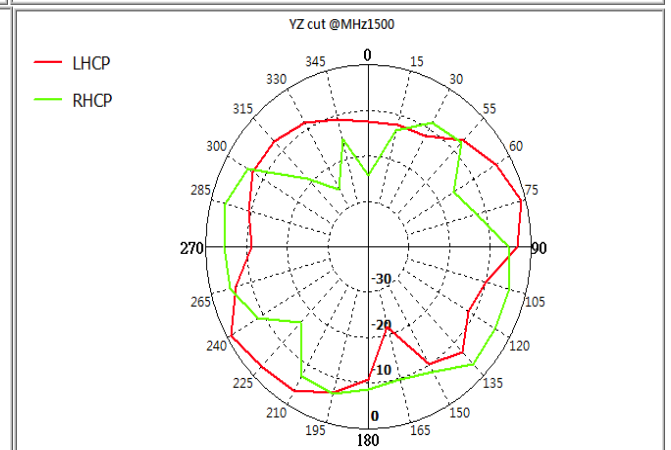
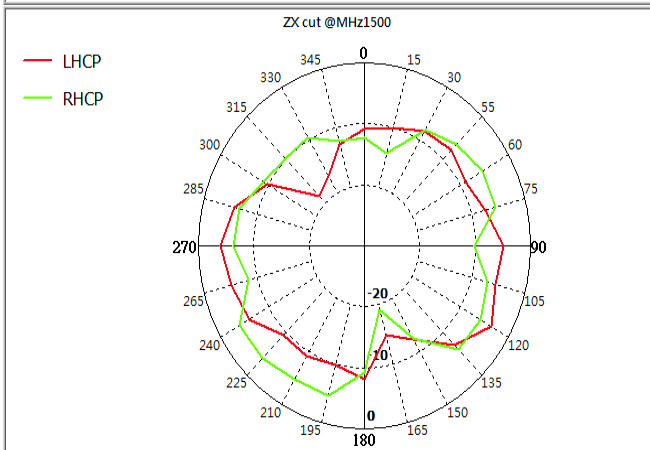
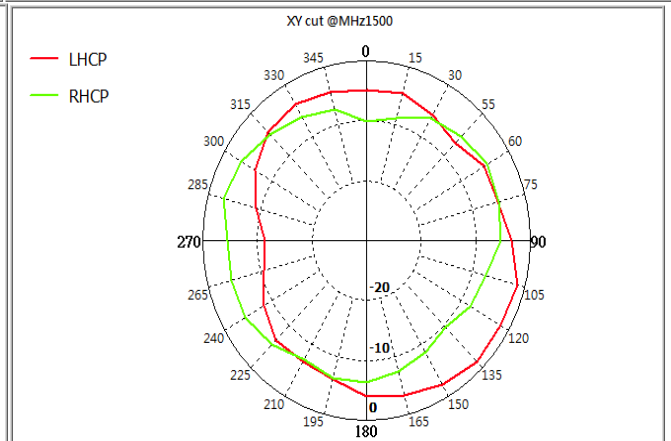
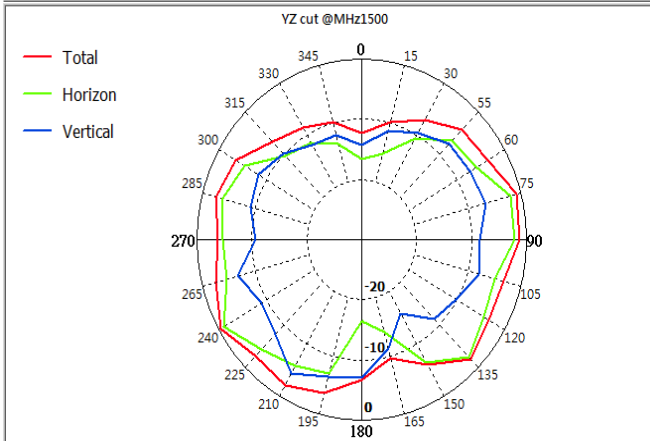
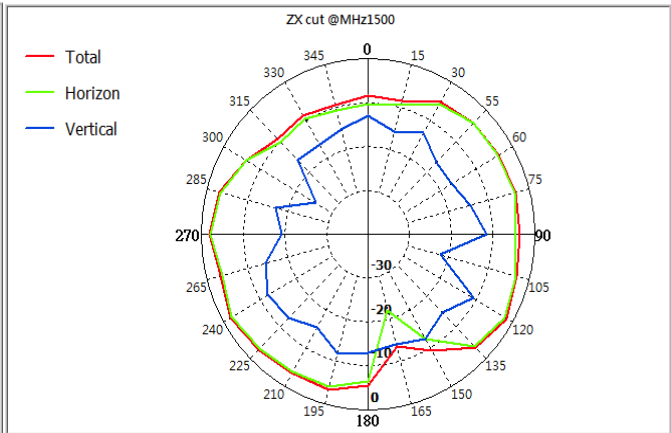
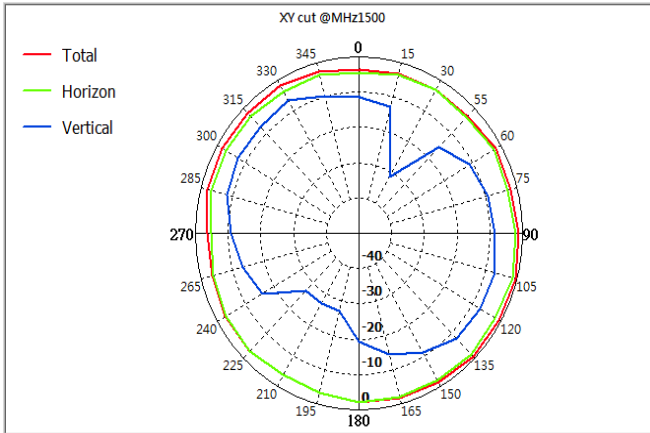
1400MHz:

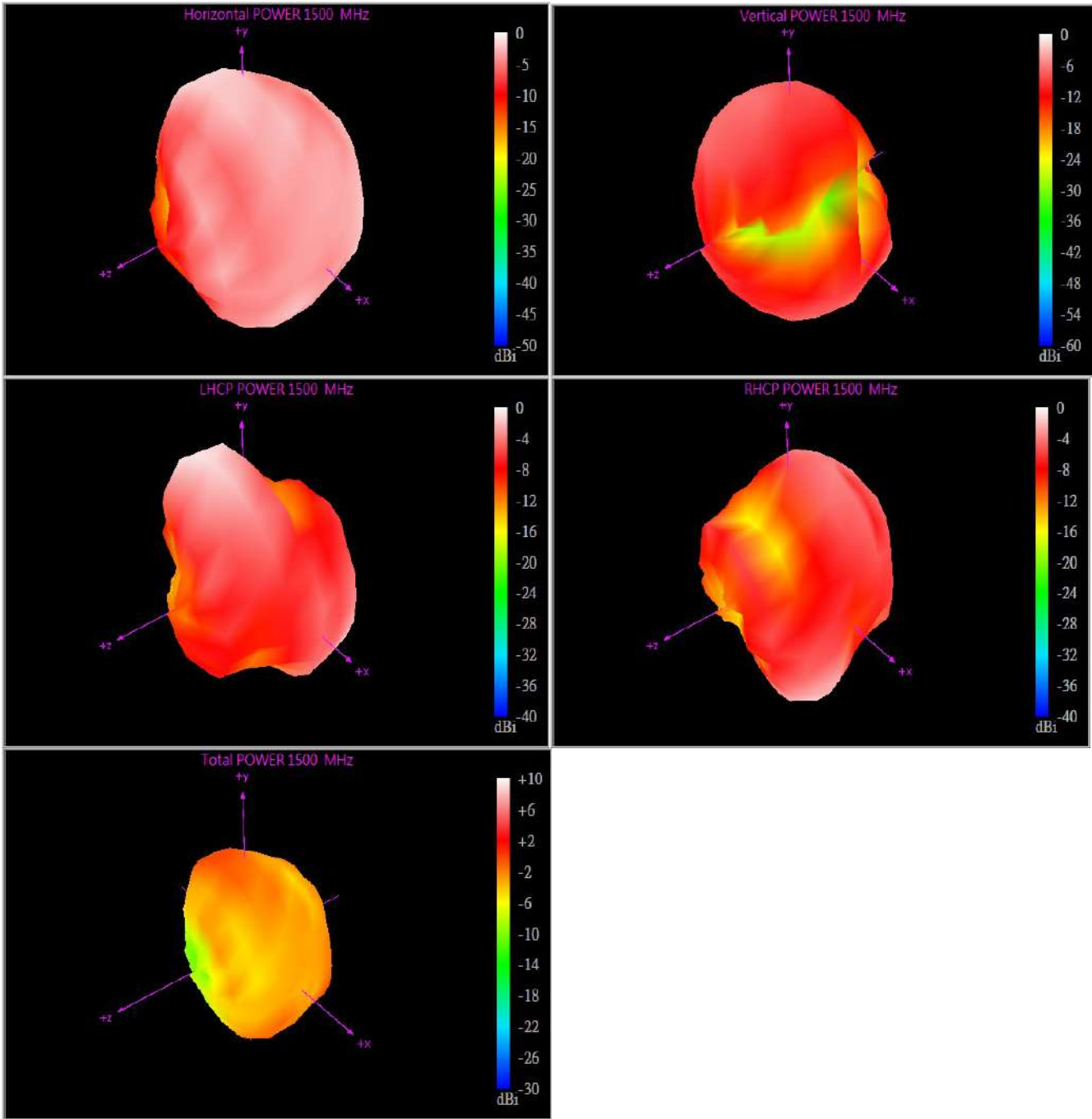






1500Mhz:





1600Mhz:

