

L & S Band ANTENNA

MODEL: TH-1330B



1. GENERAL DESCRIPTION

Model No
TH1330B-SMA90(M)

1.1 Electrical Properties

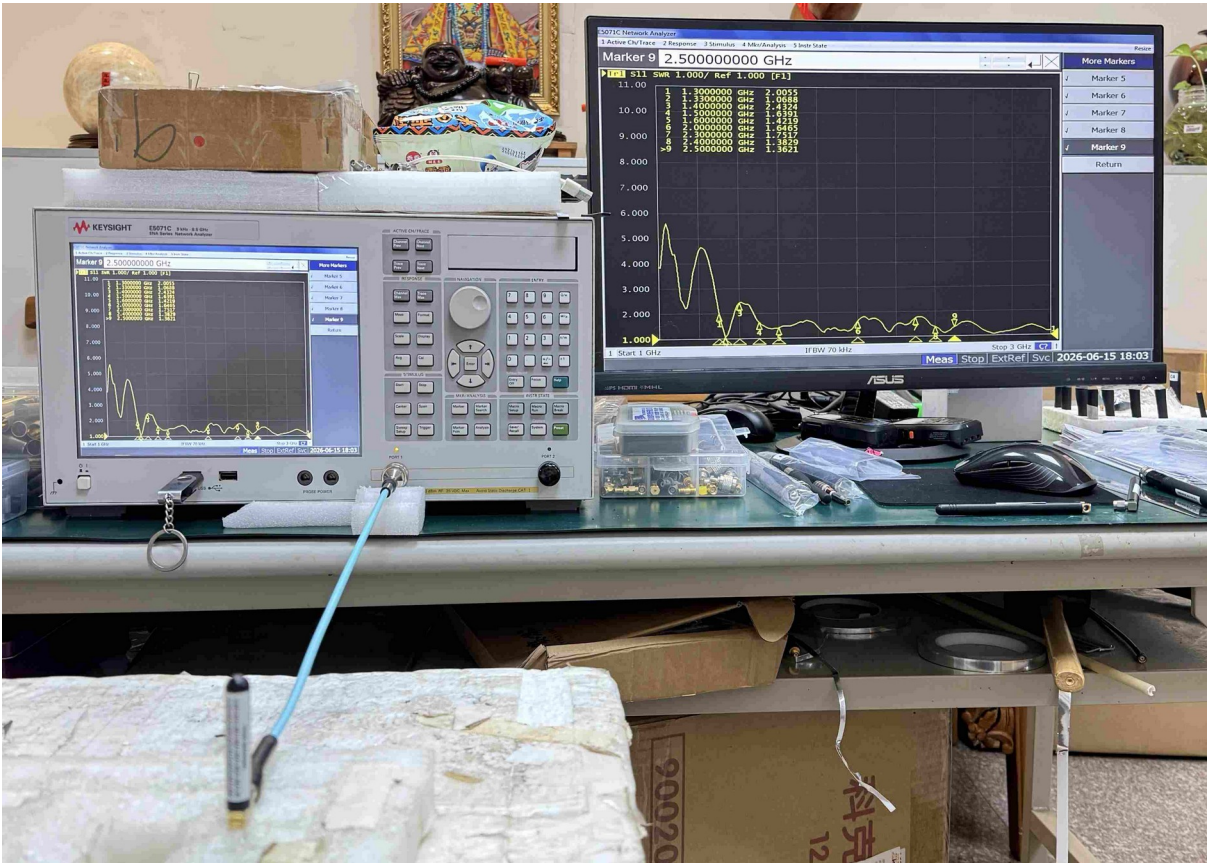
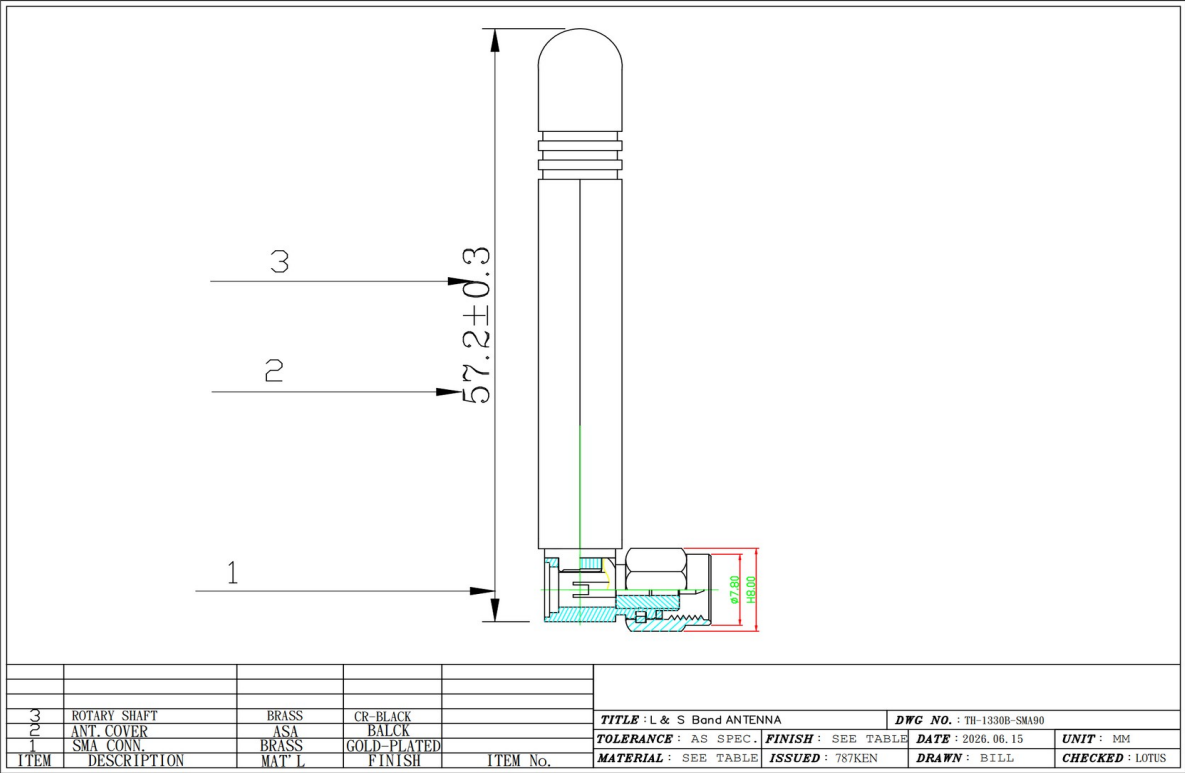
Parameter	Description
Frequency Band	1.3~3.0GHz
Nominal Impedance	50 ohm
Polarization	Vertical
Return Loss	Please See Data-1
V.S.W.R	2.5 : 1
Gain	0~6dbi
Power	10W

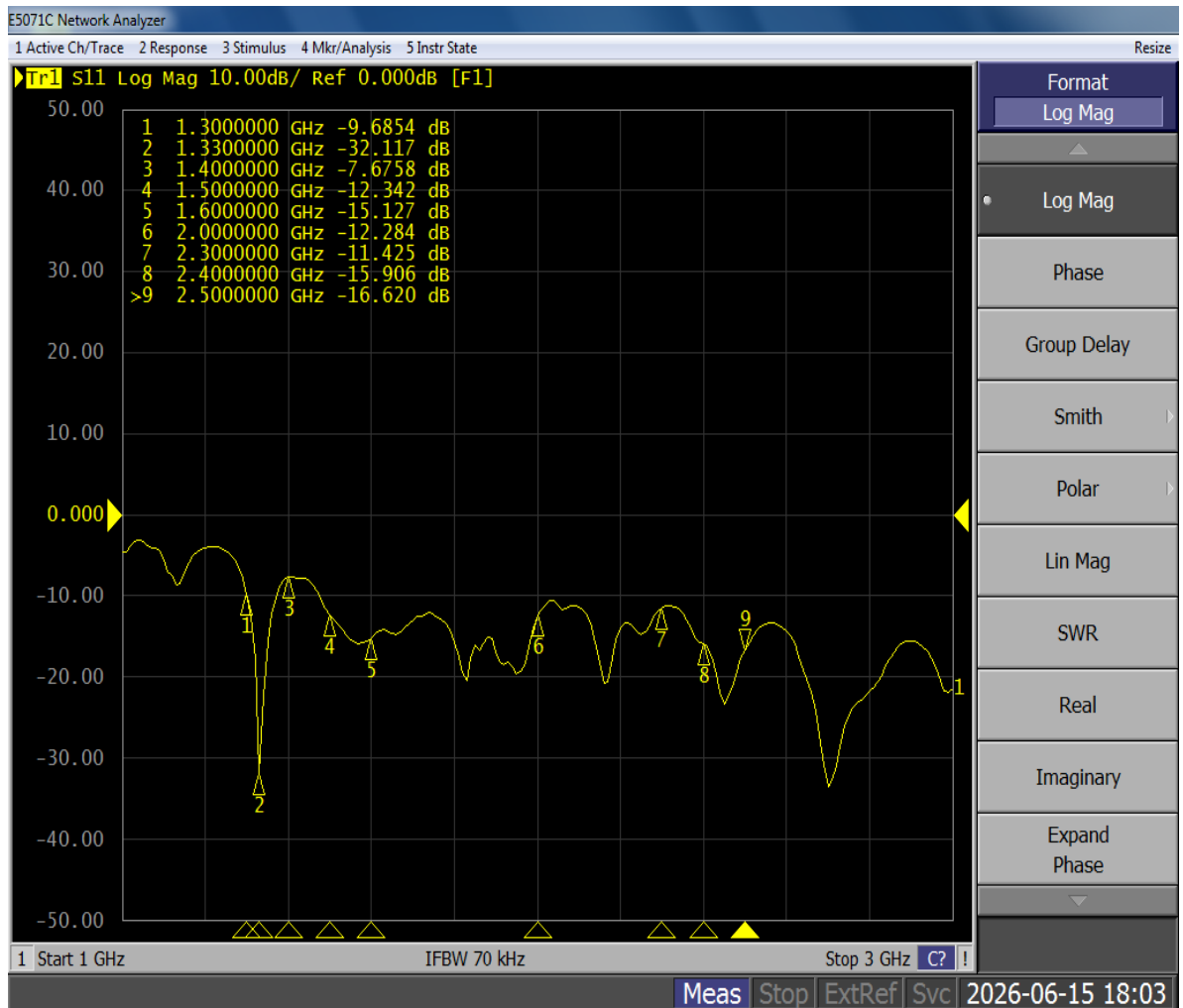
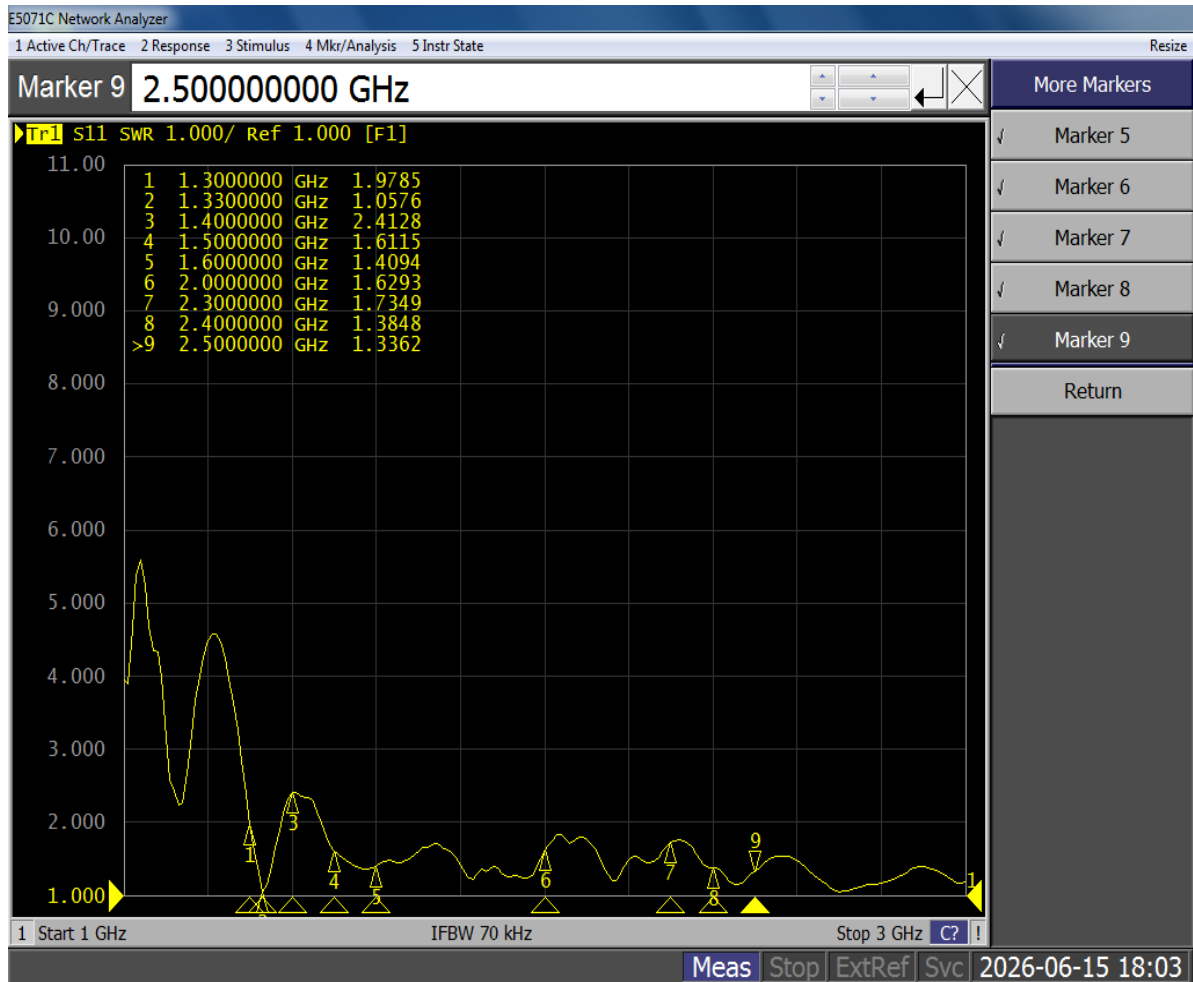
1.2 Mechanical Properties

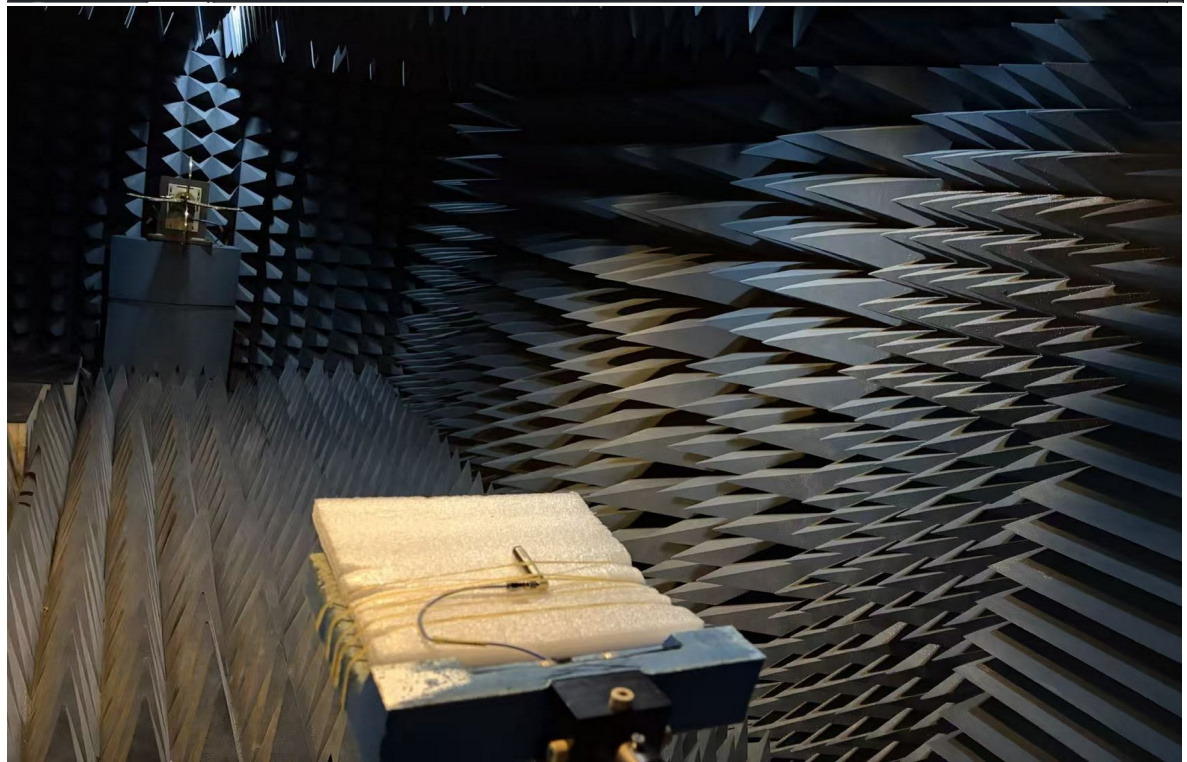
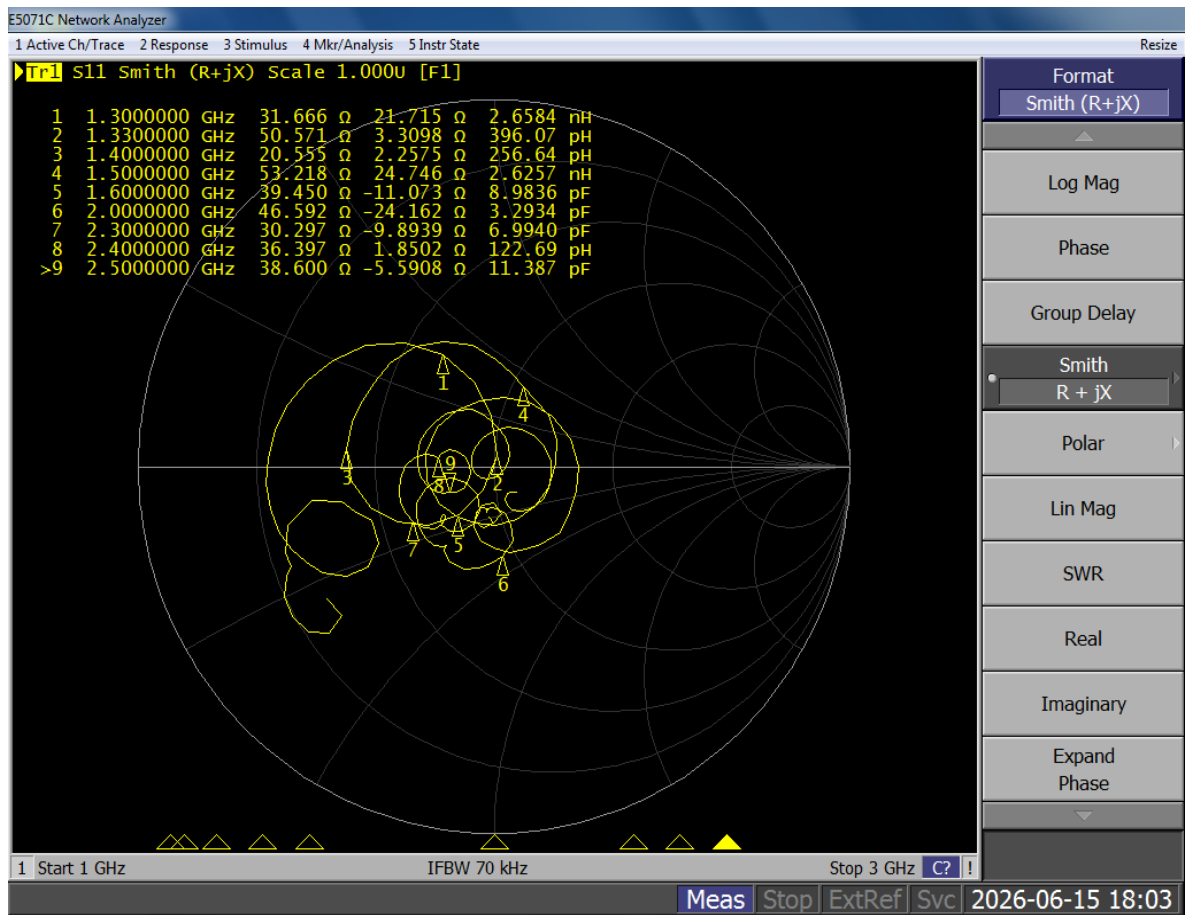
Parameter	Description
Antenna Type	External Antenna
Antenna Material	ASA-UV
Touch Type	Screw Type

Connector Type	SMA 90°(Male)
Antenna Dimensions	OD9.3 x 57.2mm ±0.5
Antenna Color	Black
Operating Temperature Range	-40°C~+80°C
Storage Temperature Range	-40°C~+80°C

* This specification is subject to change without prior notice





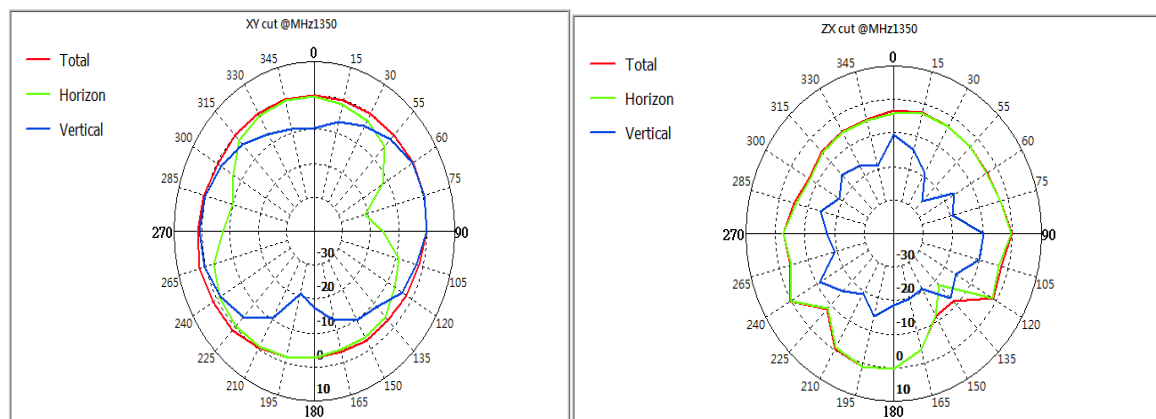


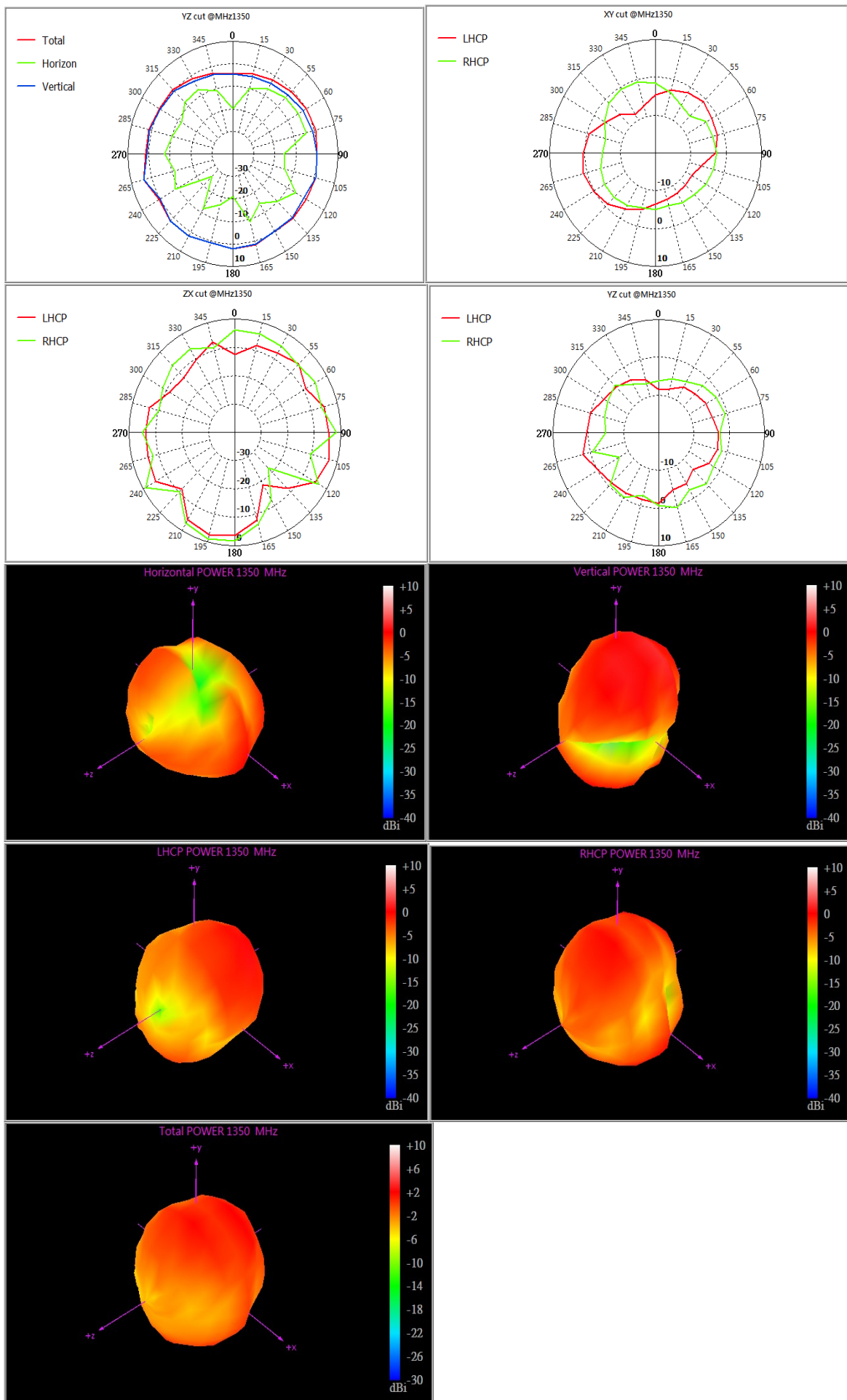
3D Total

Frequency (MHz)	Upper Hem. PRP (dBm)	Lower HEM. PRP (dBm)	Efficiency (dB)	Efficiency (%)	Gain (dBi)	Tot. Rad.Pwr. (dBm)
1300 MHz	-5.31	-3.83	-1.50	70.83	2.42	-1.50
1310 MHz	-4.96	-3.42	-1.71	67.45	2.77	-1.11
1320 MHz	-5.09	-3.46	-1.79	66.22	2.84	-1.19
1330 MHz	-5.19	-3.66	-1.75	66.83	2.94	-1.35

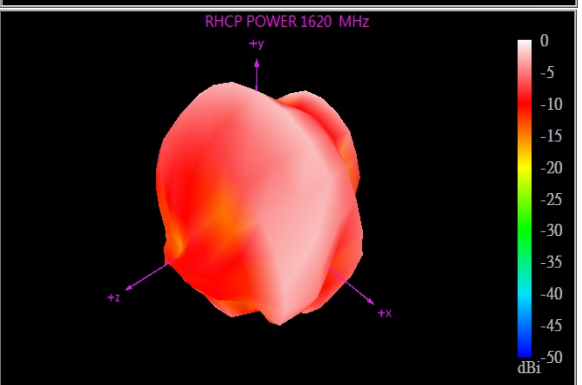
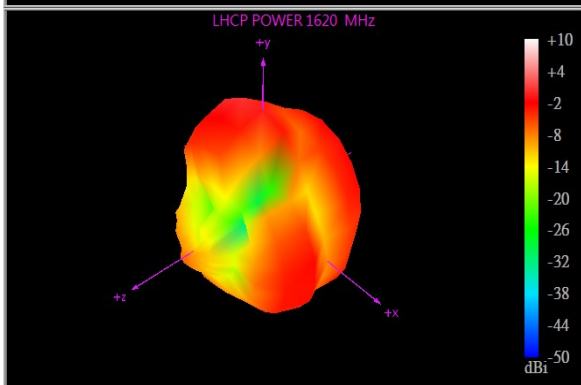
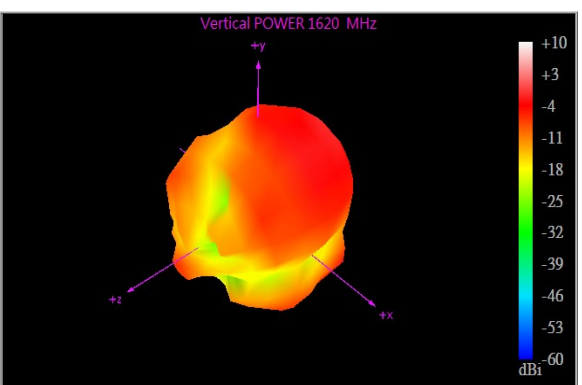
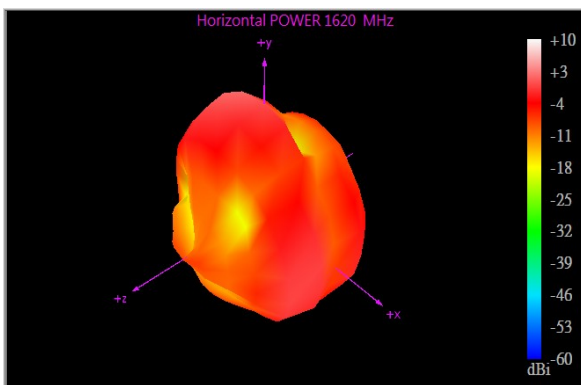
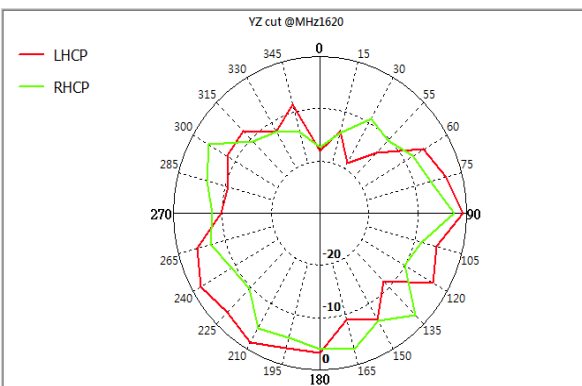
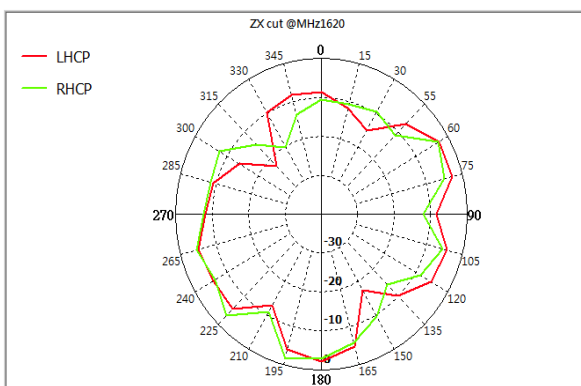
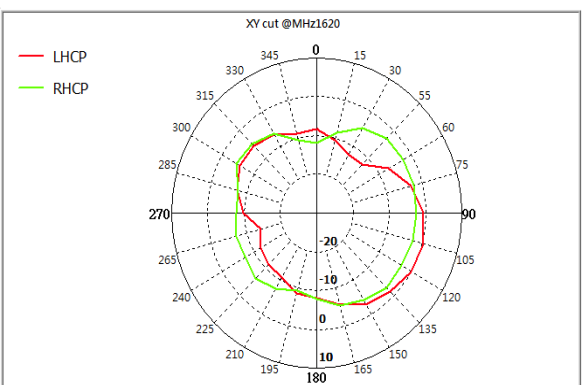
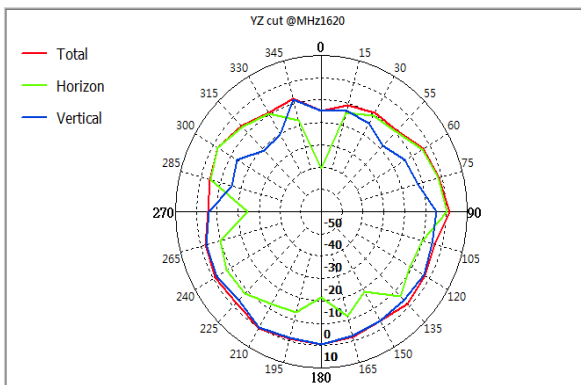
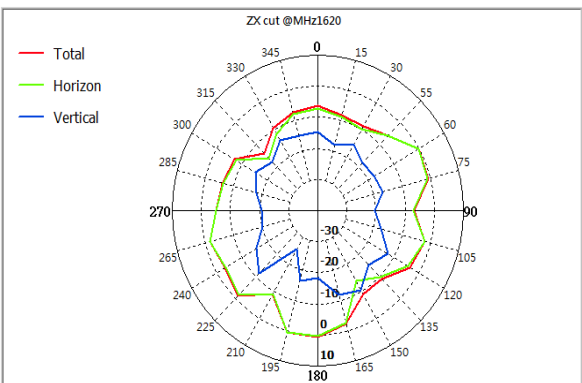
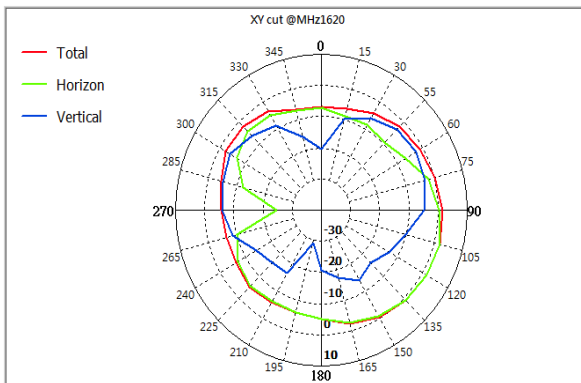
1340 MHz	-4.44	-3.12	-1.72	67.3	3.75	-0.72
1350 MHz	-4.78	-3.54	-1.71	67.45	4.11	-1.11
1360 MHz	-4.58	-3.49	-1.99	63.24	3.96	-0.99
1370 MHz	-4.37	-3.47	-1.89	64.71	4.23	-0.89
1500 MHz	-5.72	-3.76	-1.62	68.83	3.12	-1.62
1550 MHz	-8.39	-6.02	-4.03	39.51	0.39	-4.03
1570 MHz	-7.04	-4.70	-2.70	53.65	1.85	-2.70
1600 MHz	-7.46	-5.55	-3.39	45.77	1.86	-3.39
1610 MHz	-7.37	-5.31	-3.21	47.80	1.94	-3.21
1620 MHz	-7.56	-5.67	-3.50	44.62	2.23	-3.50
1630 MHz	-7.50	-5.74	-3.52	44.47	2.29	-3.52
1640 MHz	-7.67	-5.72	-3.58	43.90	2.16	-3.58
1650 MHz	-7.43	-5.73	-3.49	44.80	2.31	-3.49
1700 MHz	-6.82	-4.83	-2.70	53.67	2.30	-2.70
1800 MHz	-6.42	-4.86	-2.56	55.48	2.24	-2.56
1900 MHz	-4.82	-4.16	-1.47	71.35	3.95	-1.47
2000 MHz	-4.95	-4.77	-1.85	65.35	3.57	-1.85
2050 MHz	-5.33	-5.23	-2.27	59.24	2.46	-2.27
2100 MHz	-4.94	-5.11	-2.01	62.91	2.72	-2.01
2150 MHz	-5.12	-5.29	-2.19	60.37	2.06	-2.19
2200 MHz	-5.34	-5.73	-2.52	55.96	1.18	-2.52
2250 MHz	-5.59	-5.82	-2.69	53.77	1.45	-2.69
2300 MHz	-4.80	-4.80	-1.79	66.16	2.18	-1.79
2350 MHz	-5.28	-5.08	-2.17	60.64	2.07	-2.17
2400 MHz	-5.38	-4.81	-2.07	62.05	2.62	-2.07
2450 MHz	-4.96	-4.15	-1.52	70.41	2.22	-1.52
2500 MHz	-6.06	-5.30	-2.65	54.30	1.44	-2.65
2600 MHz	-3.96	-2.66	-2.25	54.2	5.09	-0.25
2700 MHz	-3.74	-2.21	-2.1	60.12	5.35	0.10
2800 MHz	-5.72	-4.33	-1.96	36.9	2.38	-1.96
2900 MHz	-3.12	-1.82	-1.59	65.77	6.32	0.59
3000 MHz	-2.67	-1.45	-1.99	63.24	6.13	0.99

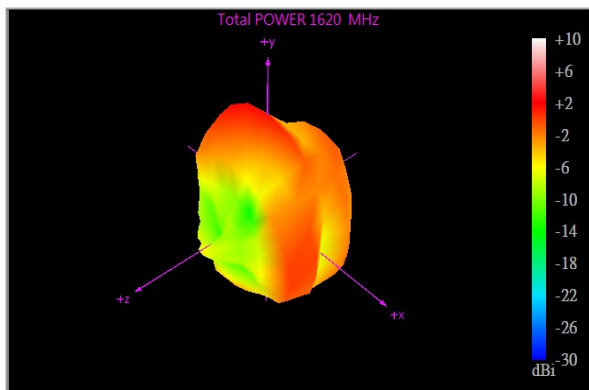
1350Mhz:



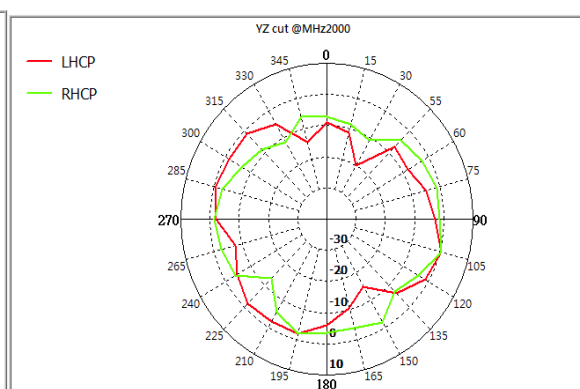
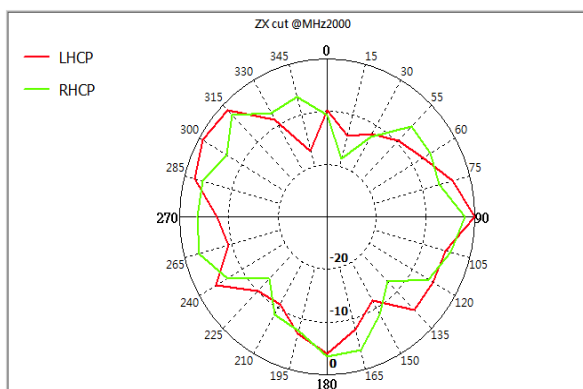
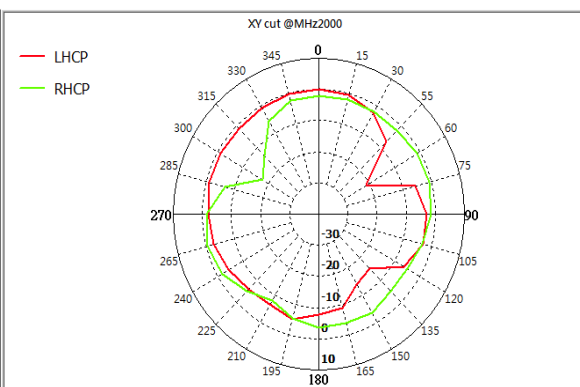
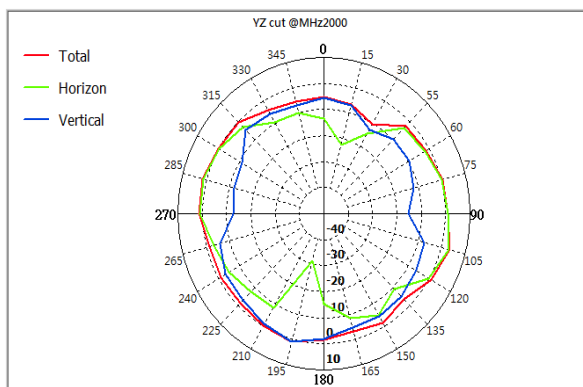
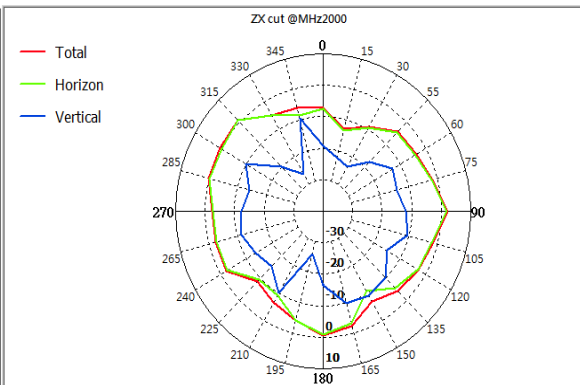
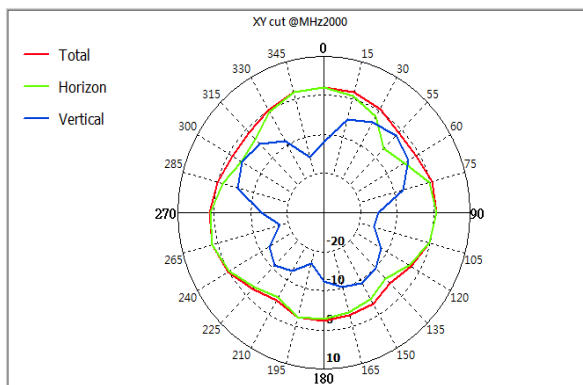


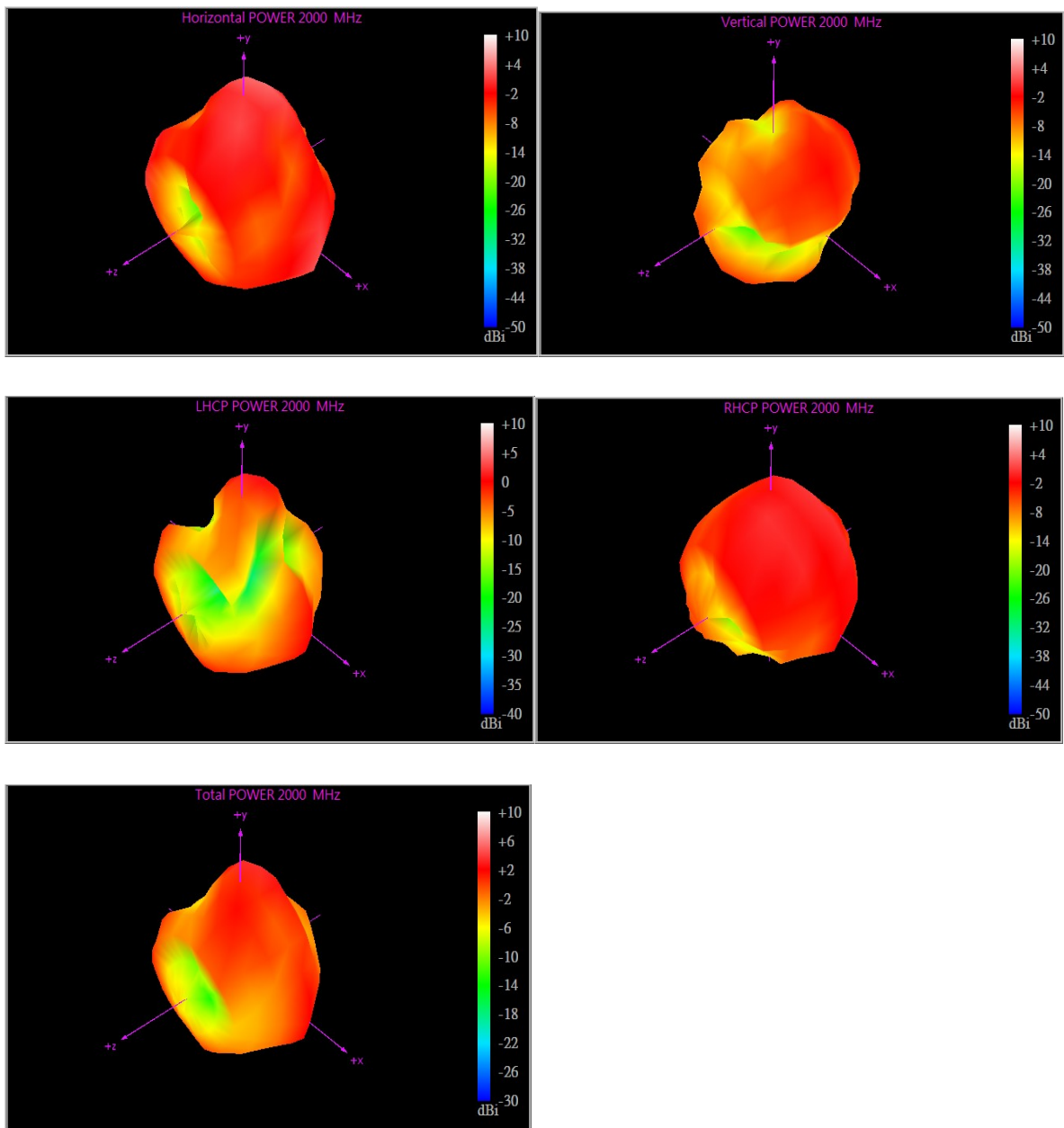
1620Mhz:



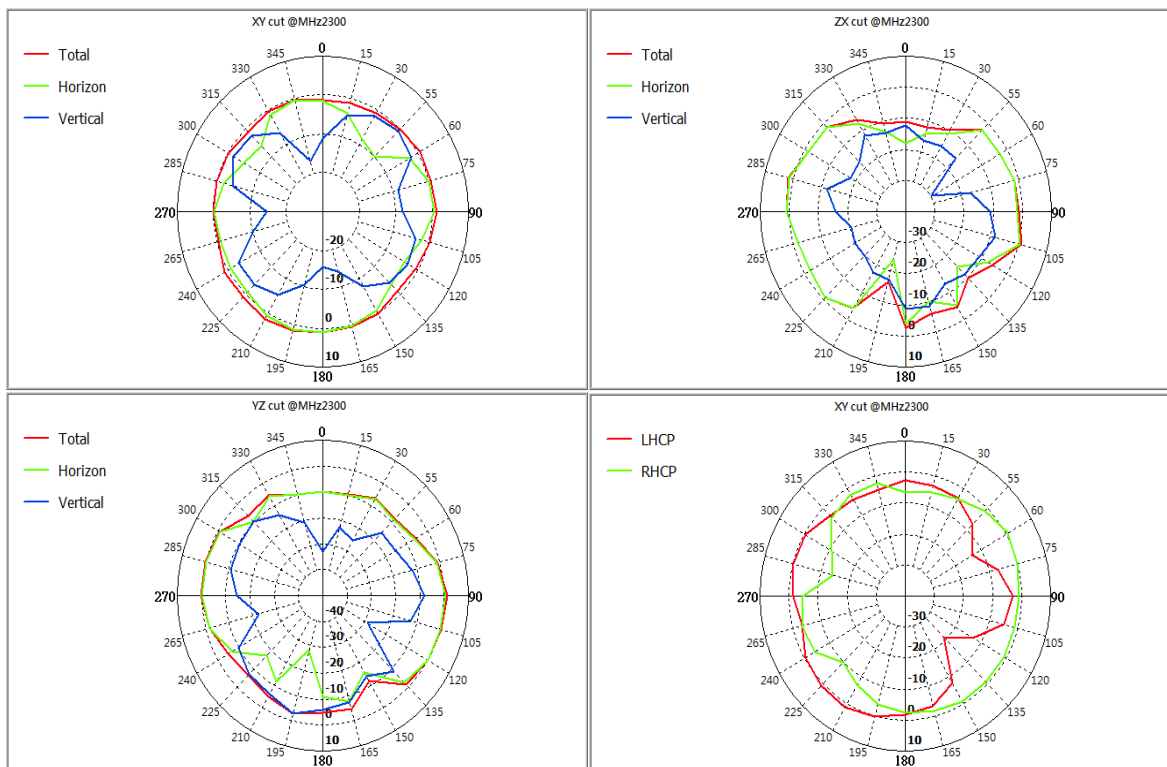


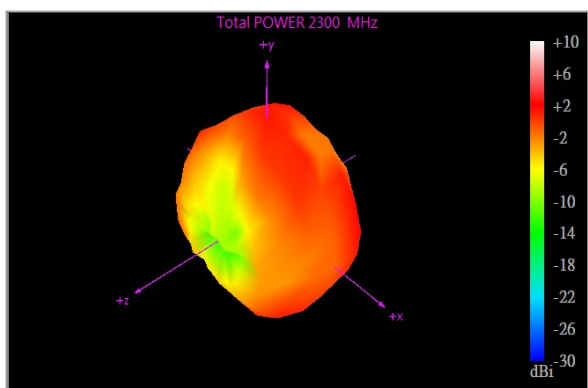
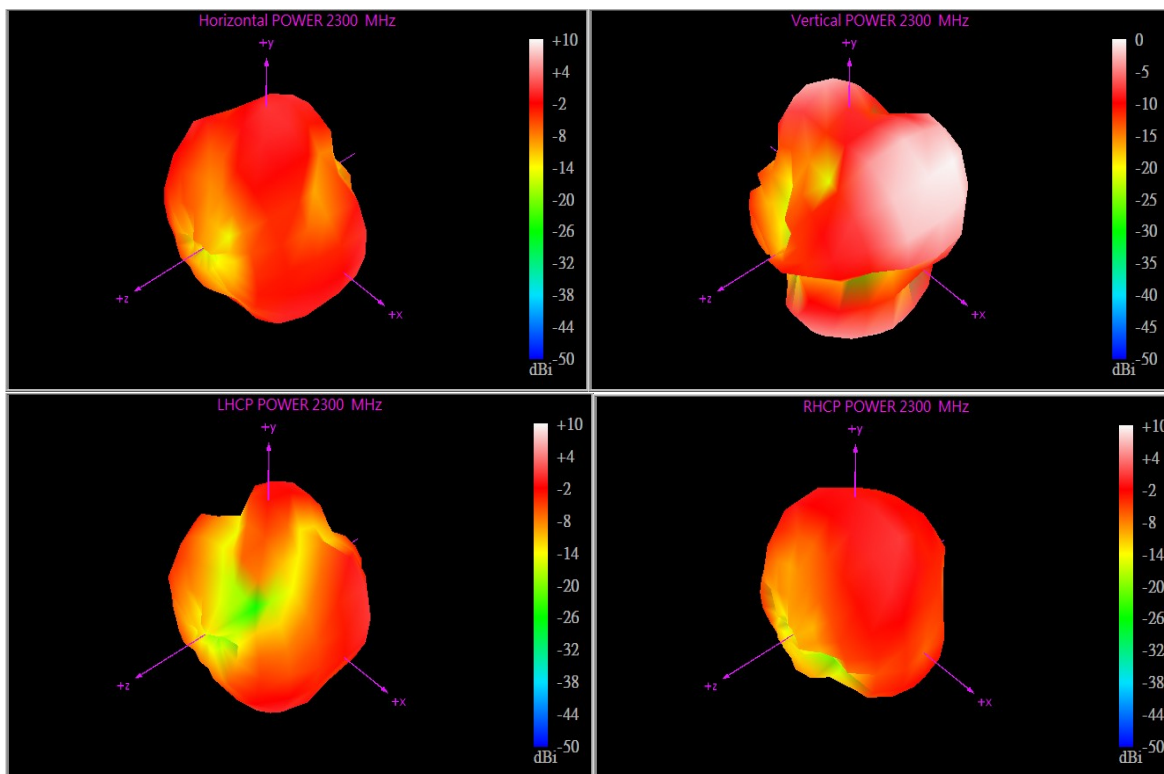
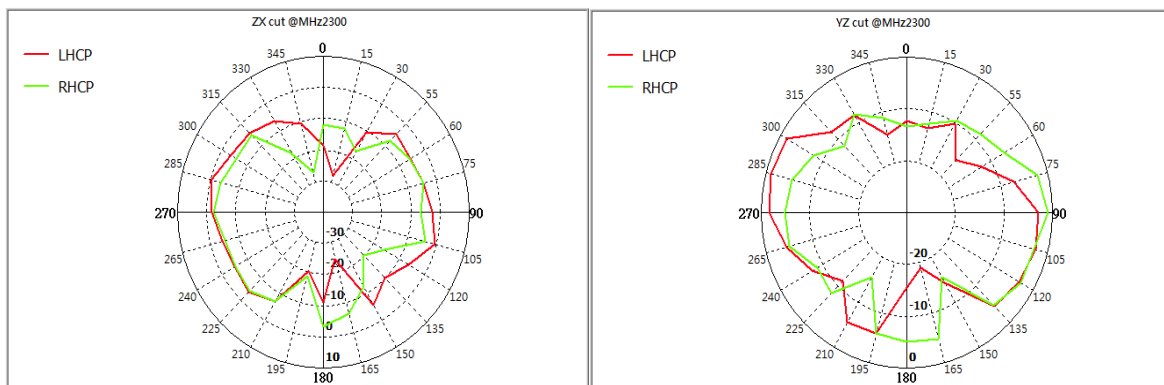
2000Mhz:



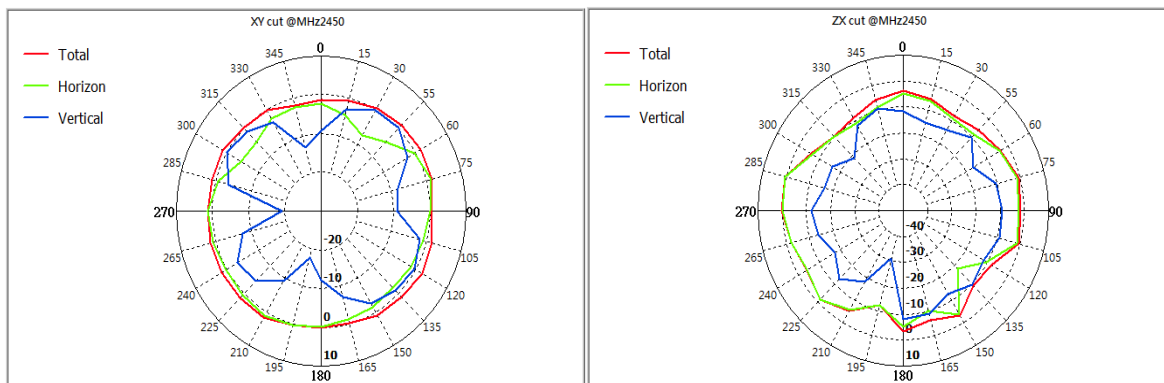


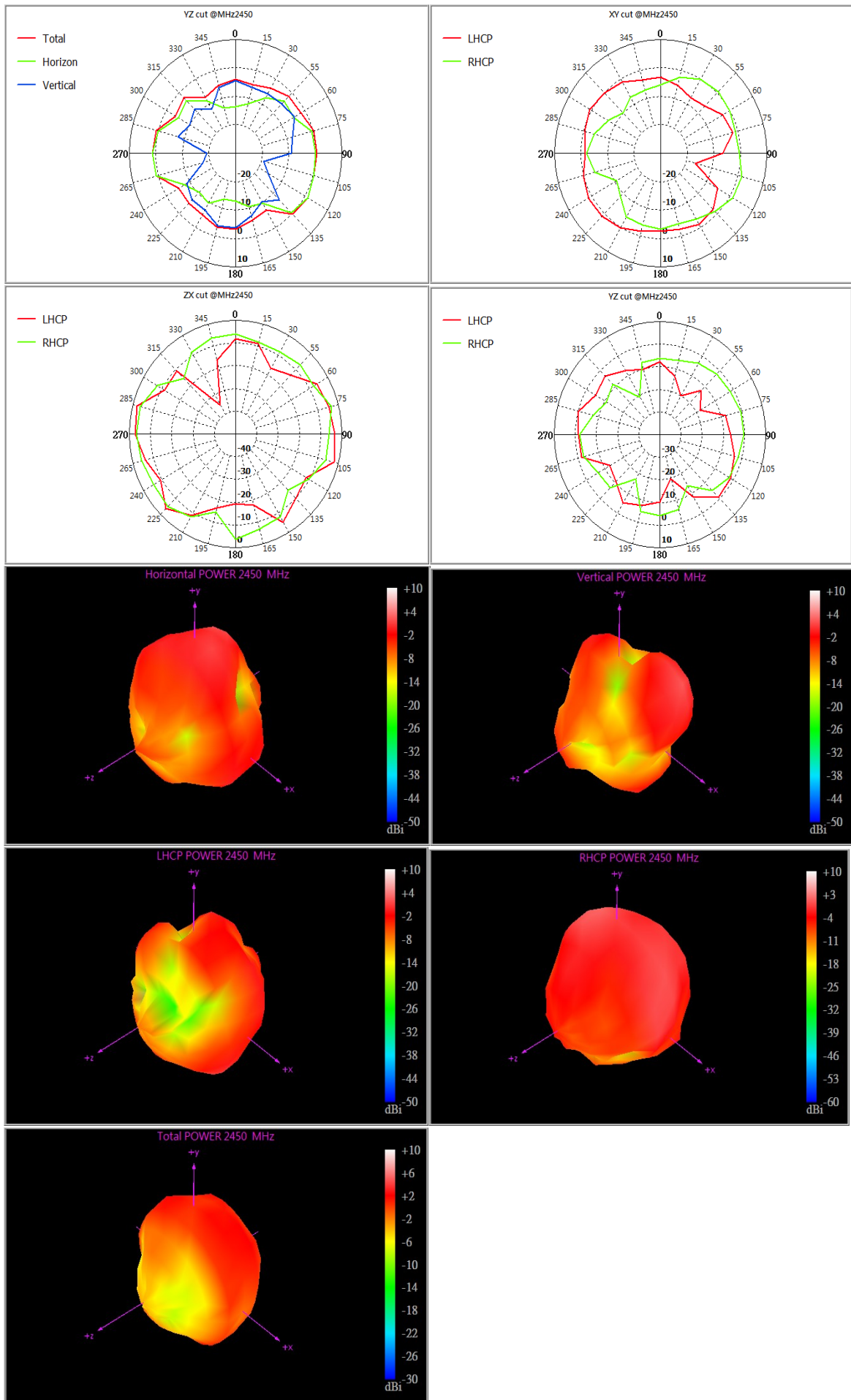
2300Mhz:





2450Mhz:





3000Mhz:

