

Internal WIFI 2.4/5G Dual Band Antenna

MODEL: IAP-2458D



1.. GENERAL DESCRIPTION

Model No	P/N
IAP-2458D	IAP-2458D-90mm-IPEX

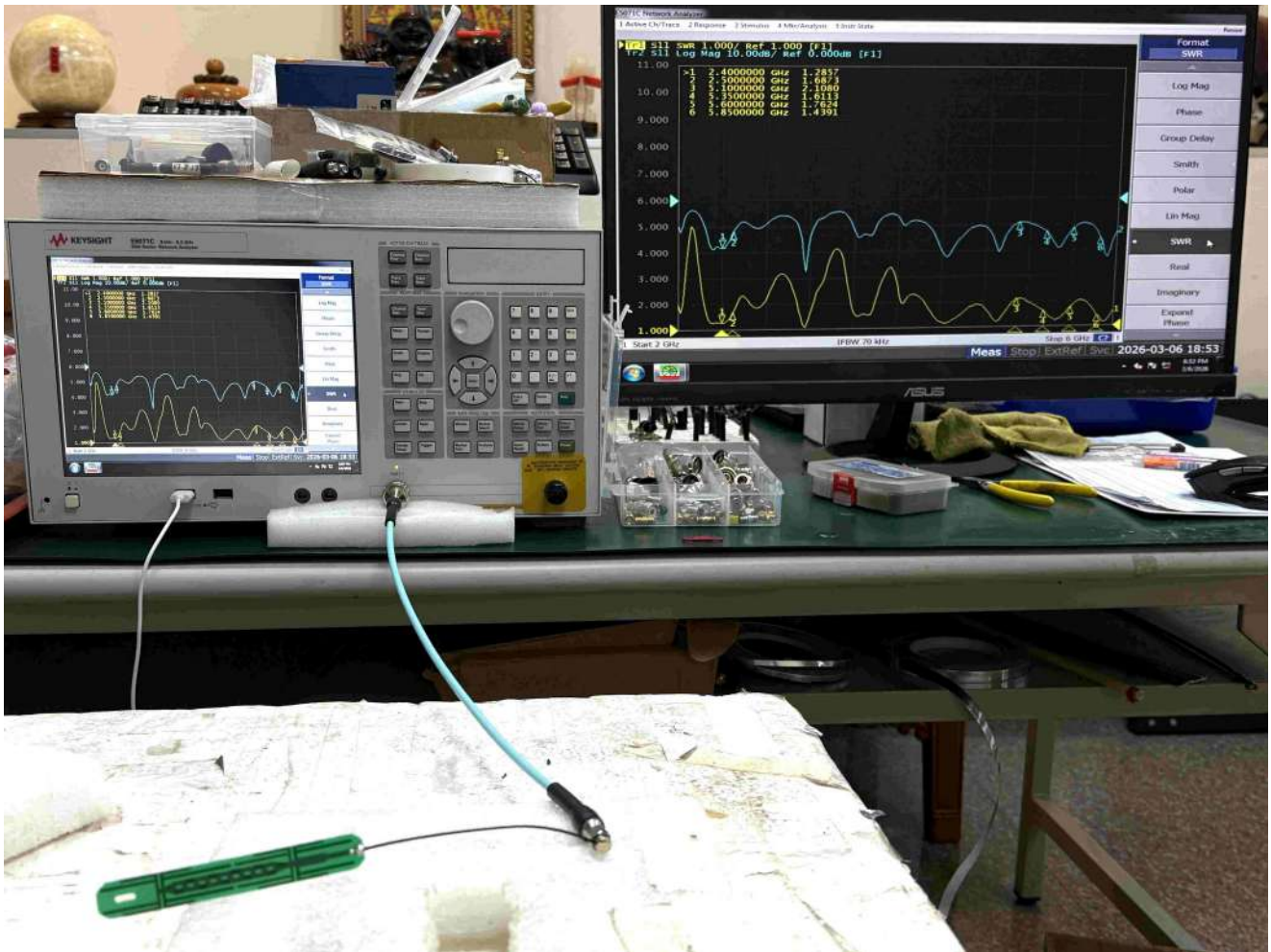
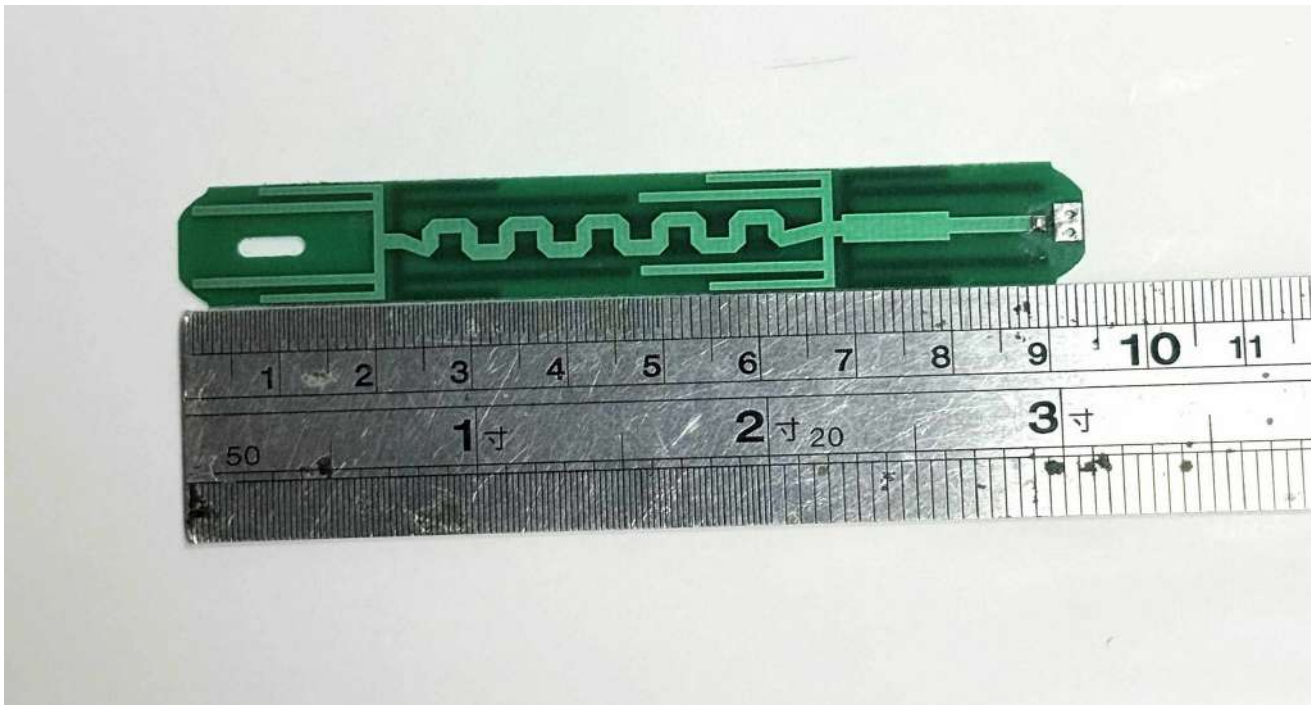
Below is a table summarizing the antenna design specification.

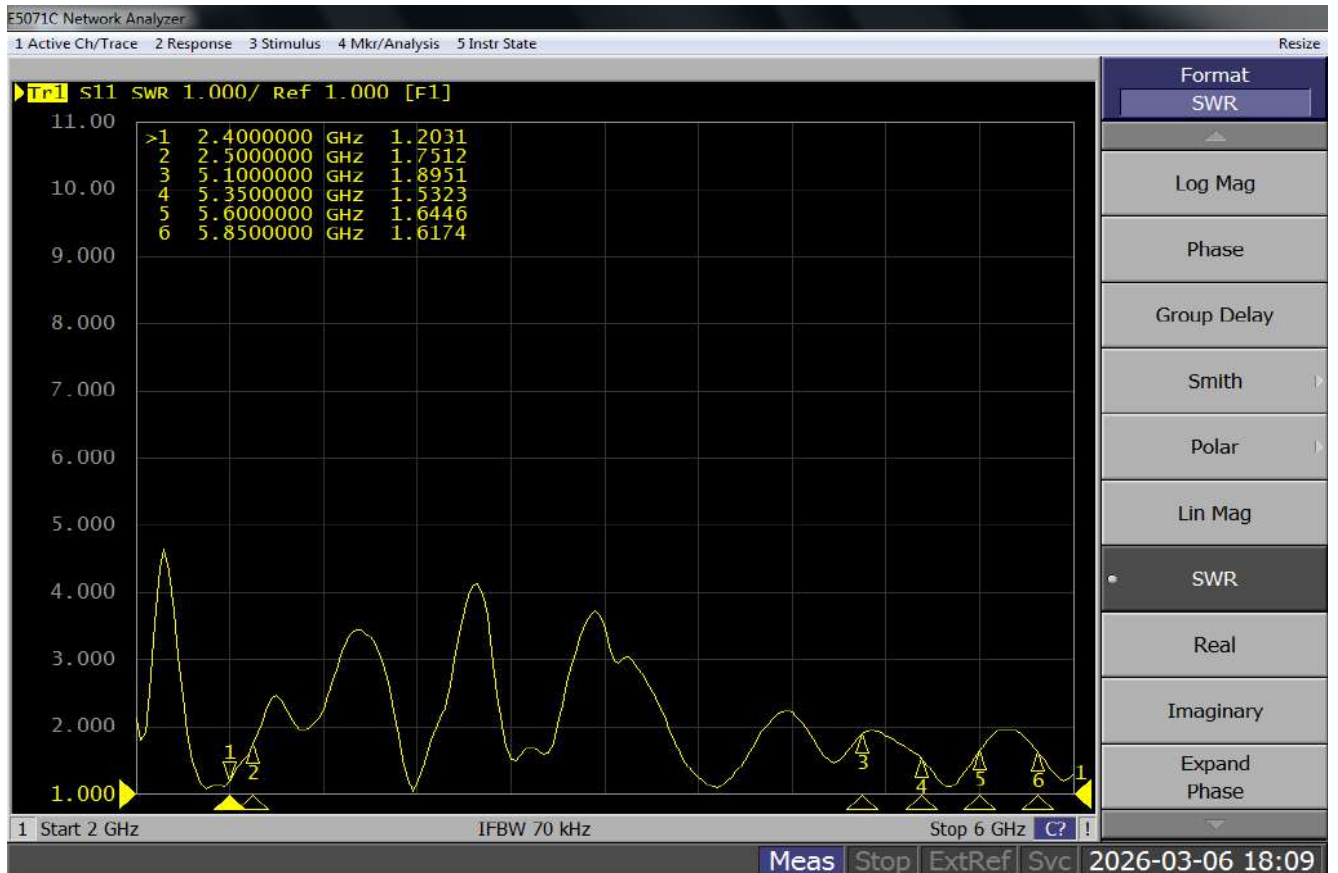
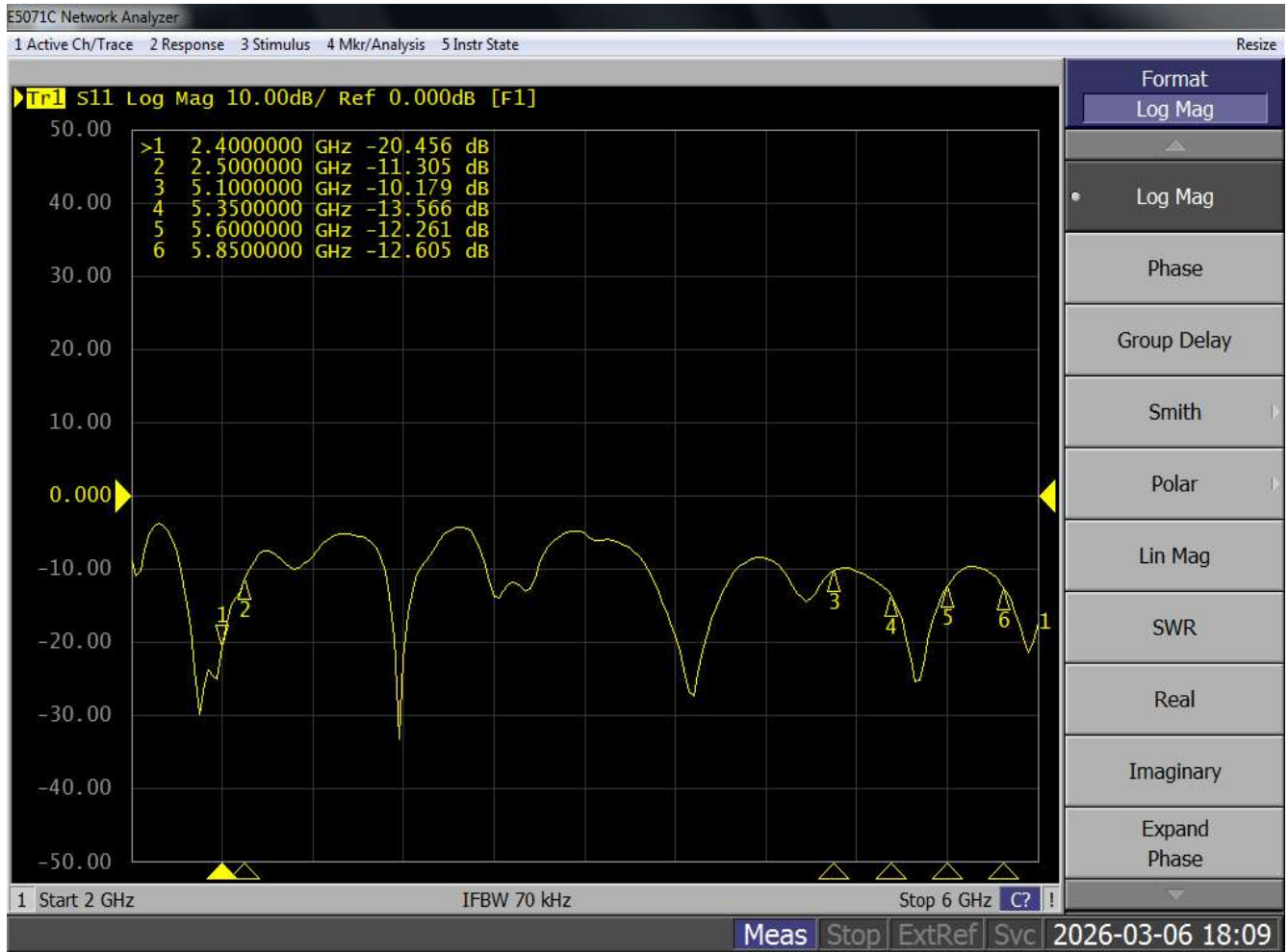
1.1 Electrical Properties

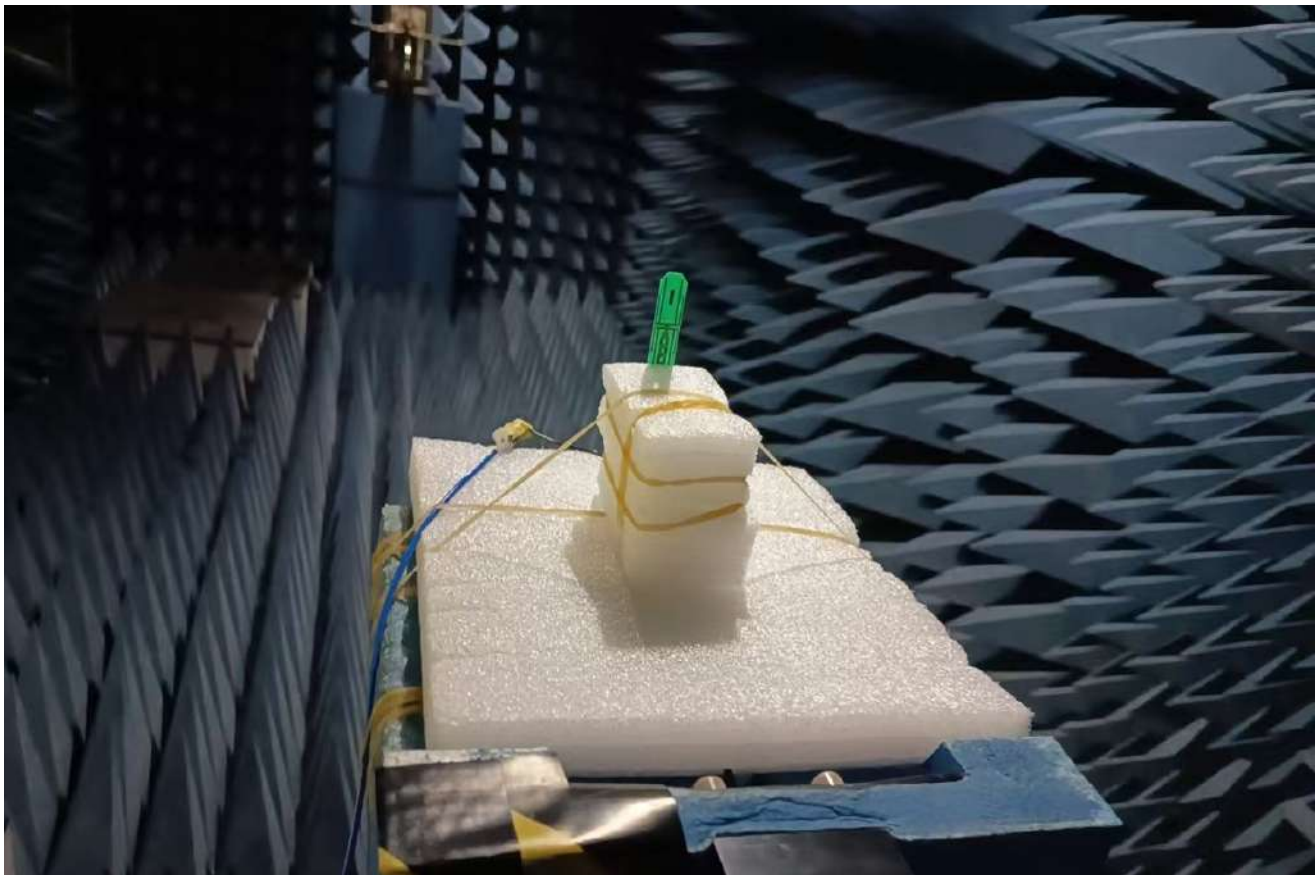
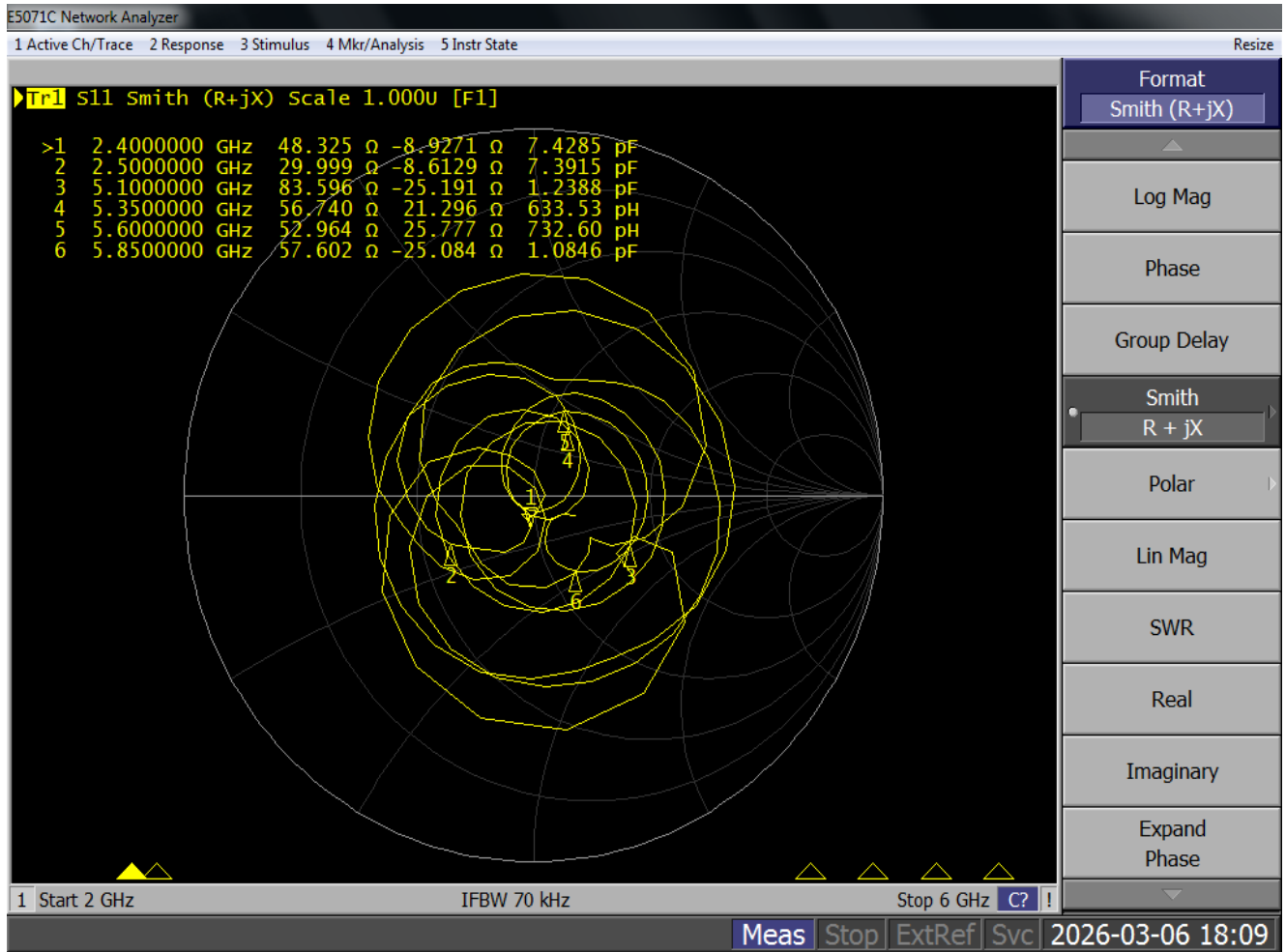
Parameter	Description
Frequency Band	2.4~2.5/5.1~5.85Ghz
Nominal Impedance	50 ohm
Polarization	Linear
Radiation Pattern	Omni-Directional
Peak Gain	0-4dbi
Admitted Power radiation	5W
V.S.W.R	2.5:1

1.2 Mechanical Properties

Parameter	Description
Antenna Type	Self-Adhesive
Material	FR4-0.6T
Connector Type	IPEX or other
Antenna Dimensions	13.4 x 94.8mm±0.5
Antenna Color	Green
Operating Temperature Range	-40°C~+80°C
Storage Temperature Range	-40°C~+80°C



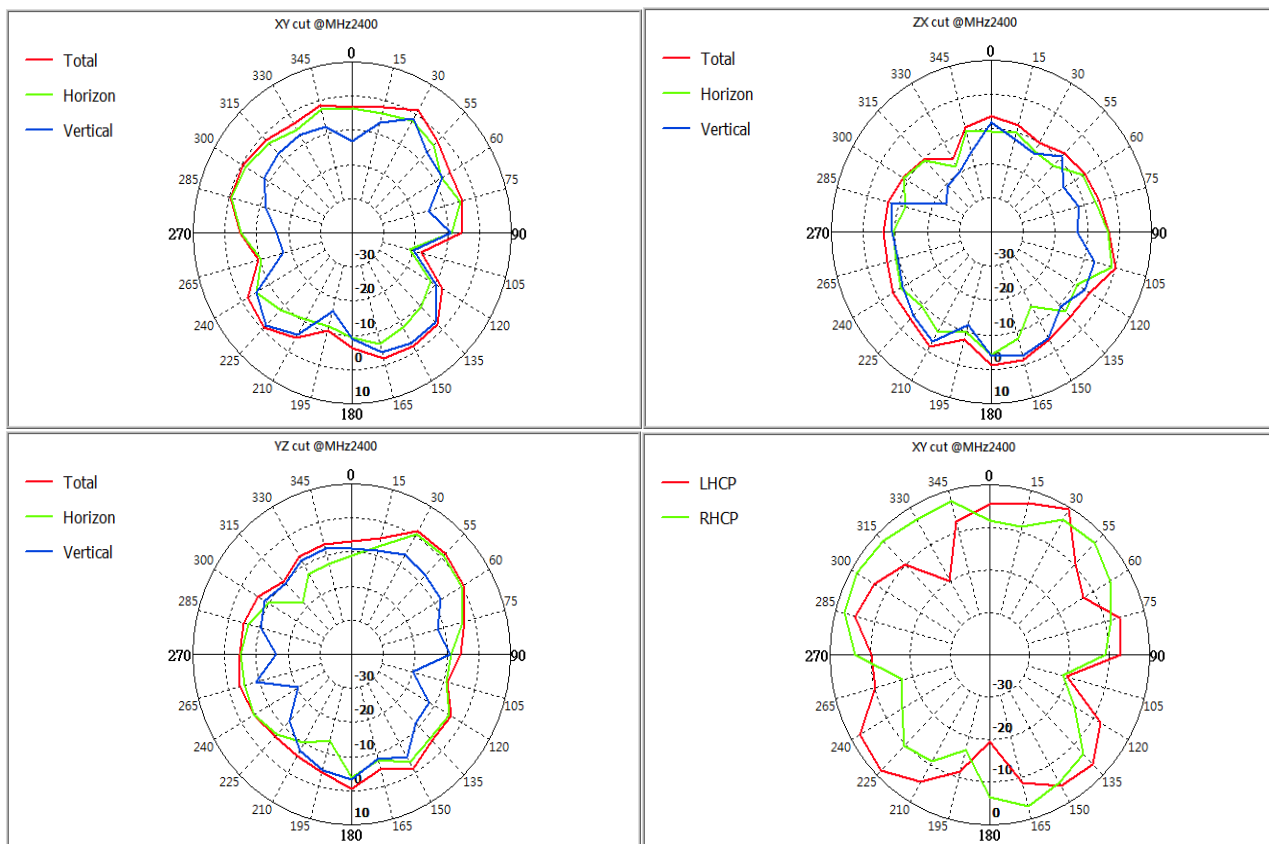


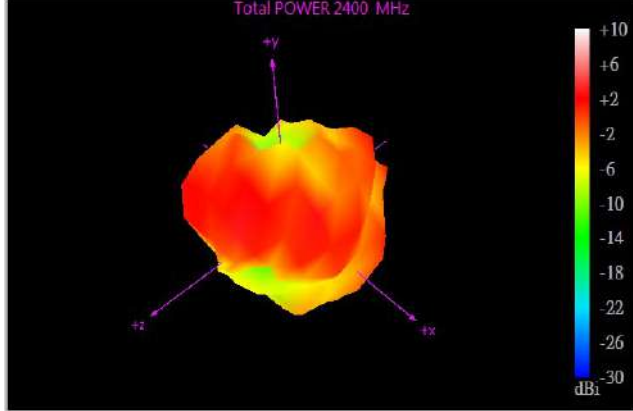
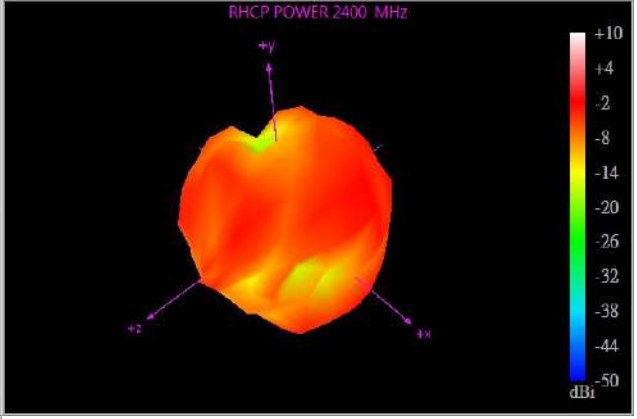
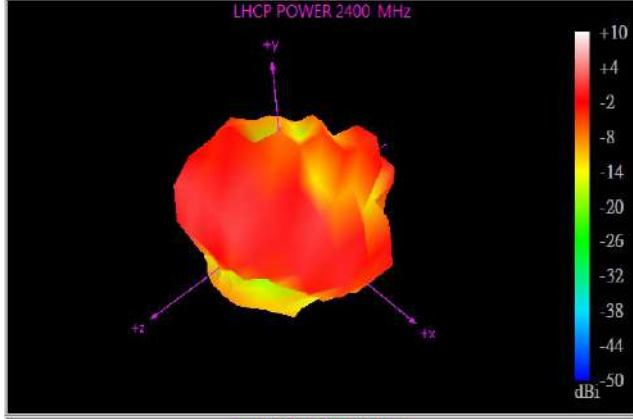
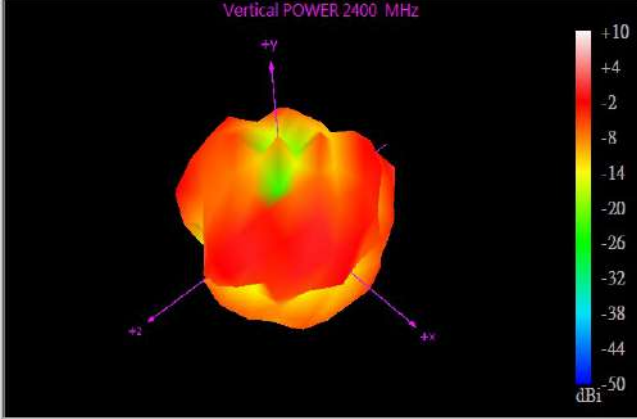
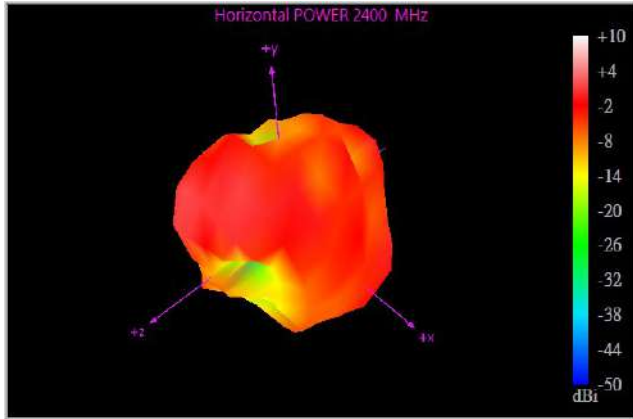
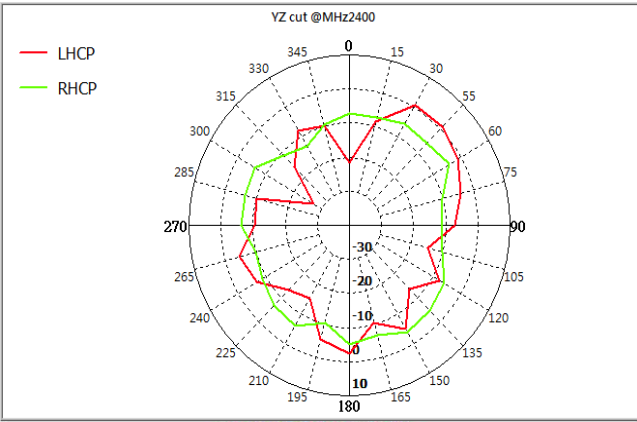
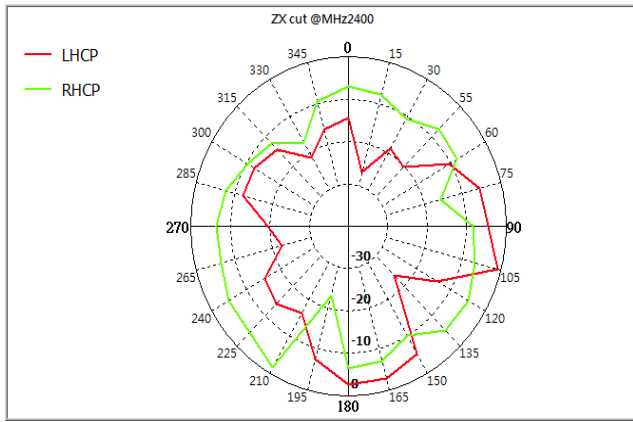


3D Total

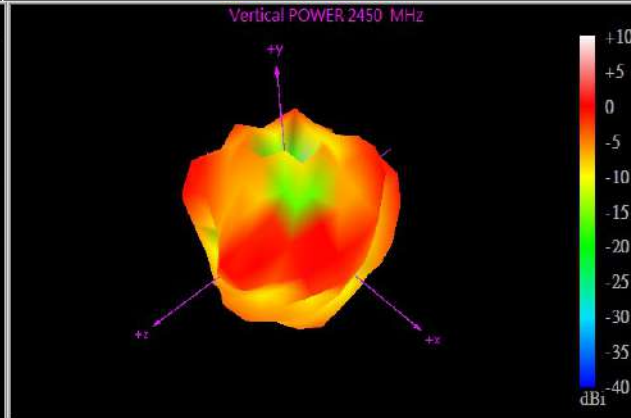
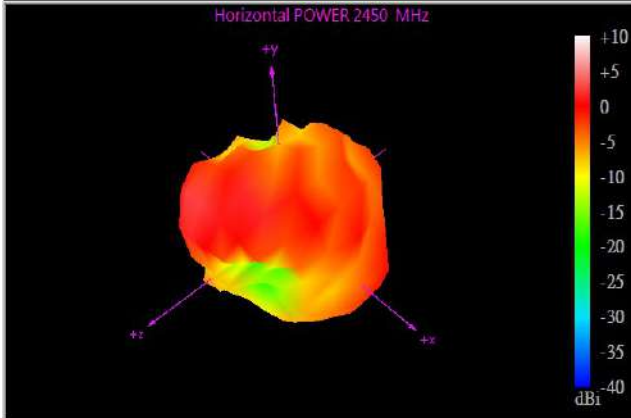
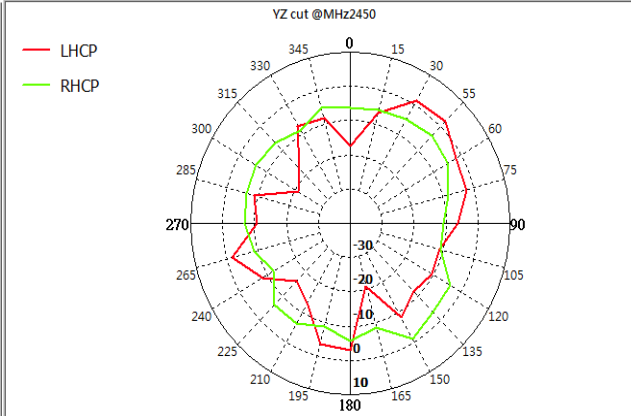
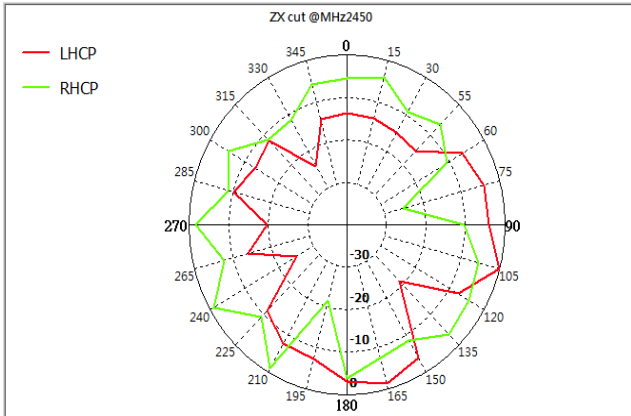
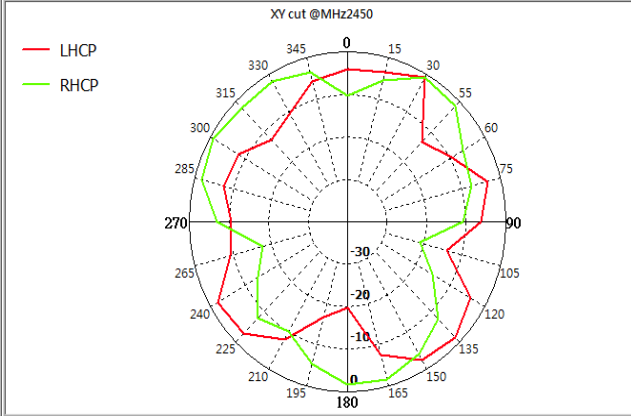
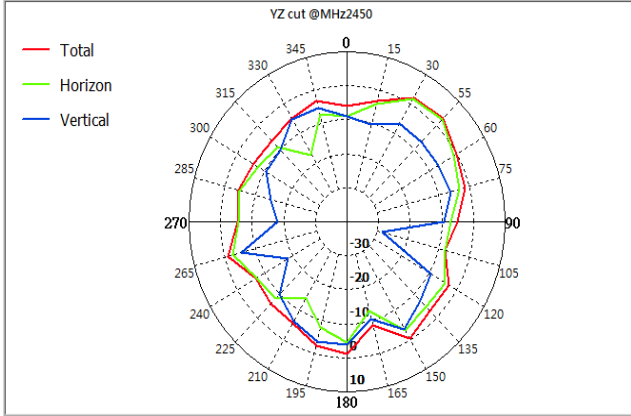
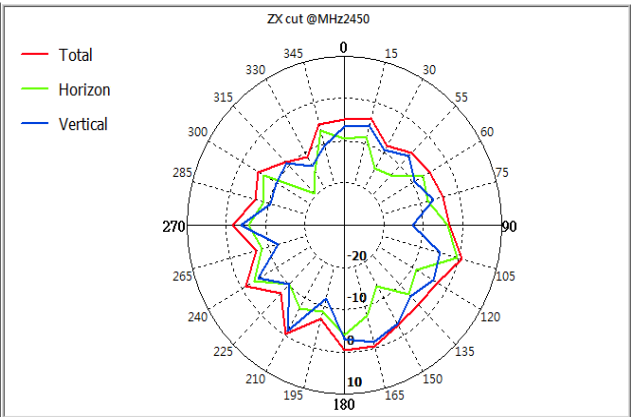
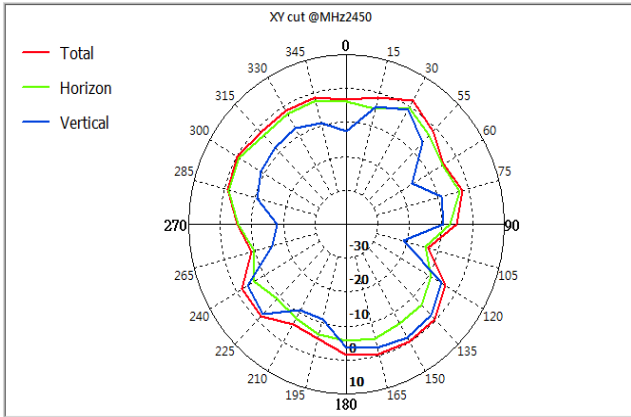
Frequency (MHz)	Upper Hem. PRP (dBm)	Lower HEM. PRP (dBm)	Efficiency (dB)	Efficiency (%)	Gain (dBi)	Tot. Rad.Pwr. (dBm)
2400 MHz	-6.06	-6.77	-3.39	45.81	2.90	-3.39
2450 MHz	-5.19	-6.07	-3.63	43.35	3.71	-3.63
2500 MHz	-5.60	-6.34	-3.94	40.36	3.02	-3.94
2600 MHz	-6.18	-5.82	-2.99	50.23	2.67	-2.99
4900 MHz	-9.84	-10.02	-4.92	32.21	0.99	-4.92
5000 MHz	-12.42	-12.75	-4.57	34.91	2.05	-4.57
5100 MHz	-11.63	-11.78	-5.71	26.85	1.28	-5.71
5200 MHz	-9.22	-9.04	-5.12	30.76	2.71	-5.12
5300 MHz	-9.97	-9.30	-5.61	27.48	2.07	-5.61
5400 MHz	-7.67	-7.40	-4.52	35.32	4.69	-4.52
5500 MHz	-9.69	-9.86	-4.77	33.34	1.58	-4.77
5600 MHz	-9.75	-9.14	-5.42	28.71	0.57	-5.42
5700 MHz	-9.15	-8.69	-4.94	32.06	1.24	-4.94
5800 MHz	-8.90	-8.24	-4.55	35.08	1.69	-4.55
5900 MHz	-9.10	-8.76	-4.91	32.28	2.36	-4.91
6000 MHz	-8.47	-8.05	-4.24	37.67	1.29	-4.24

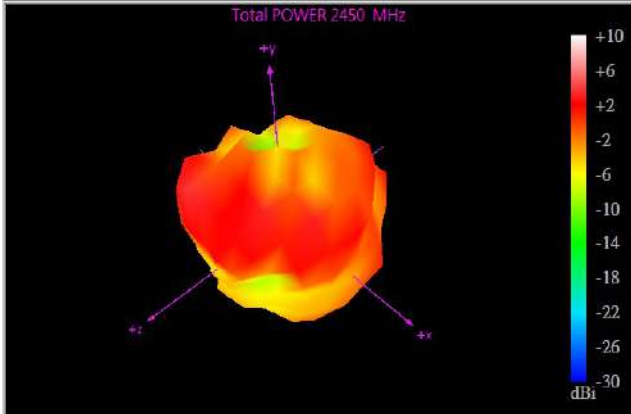
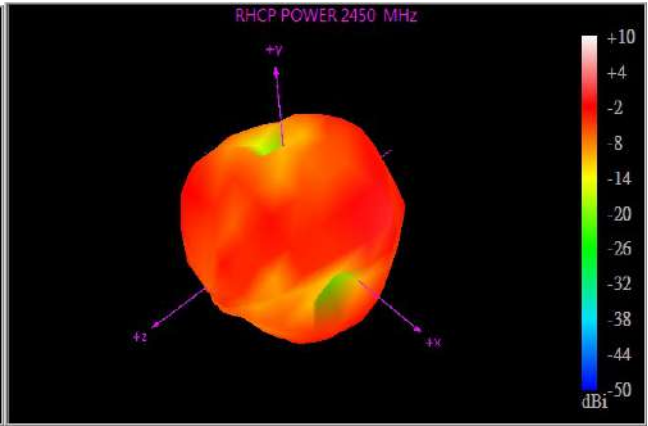
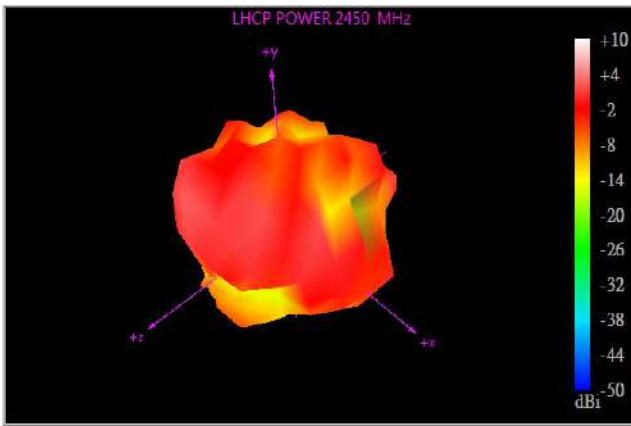
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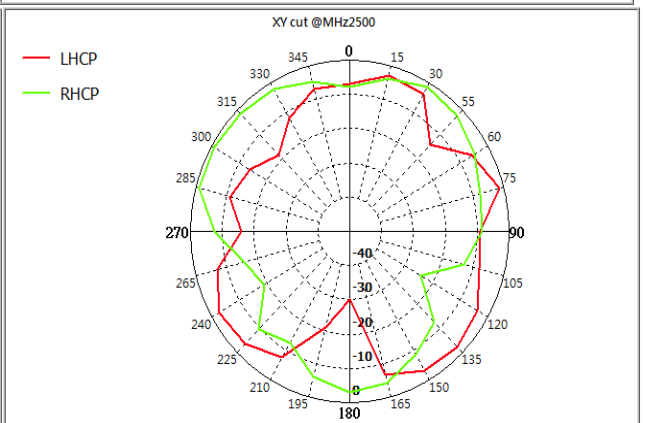
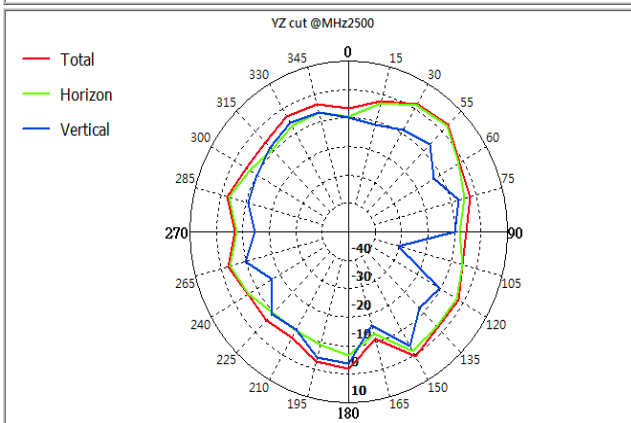
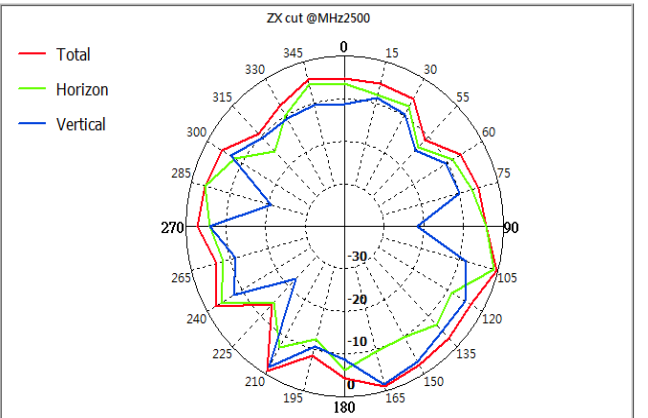
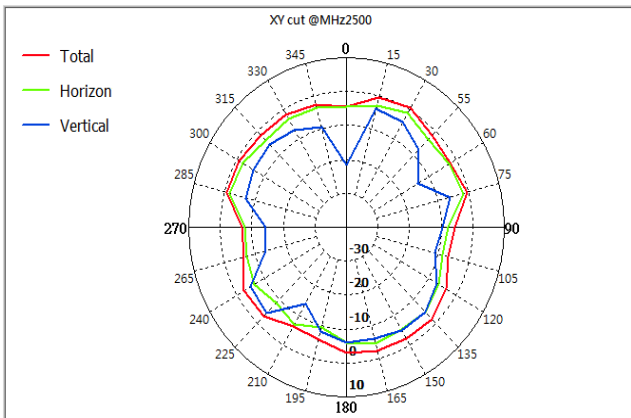


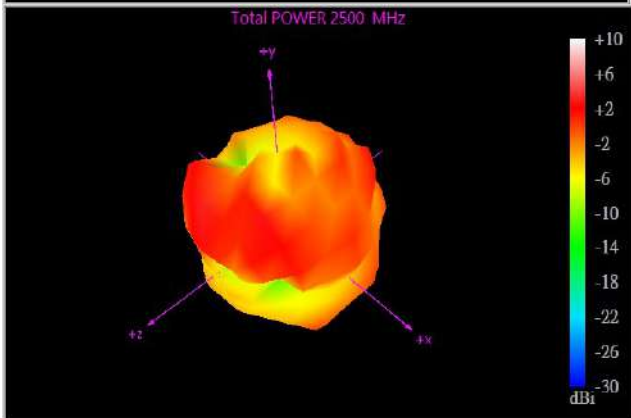
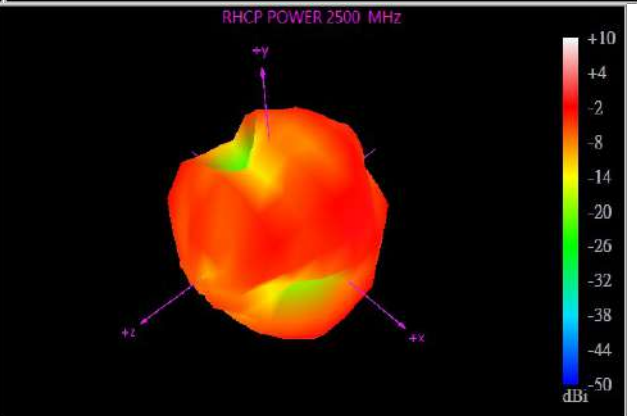
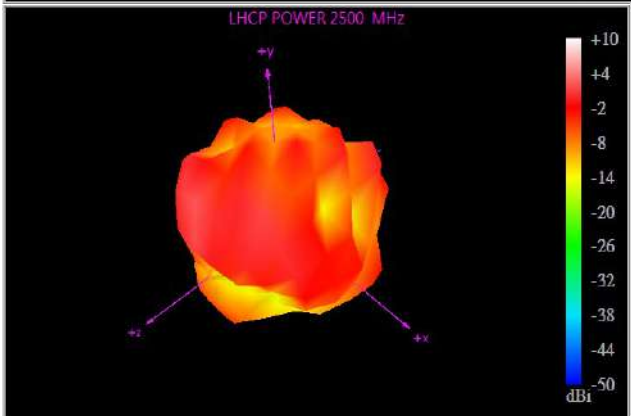
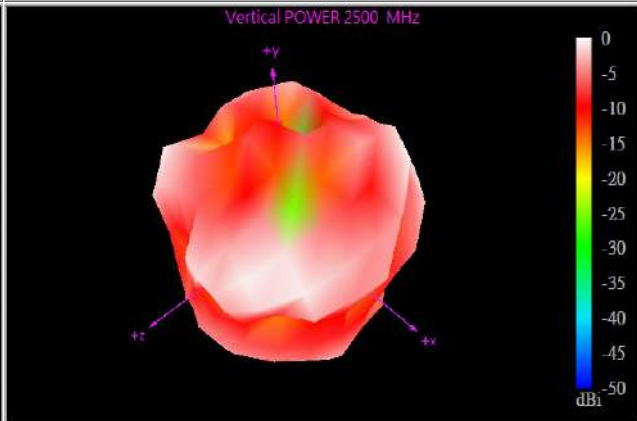
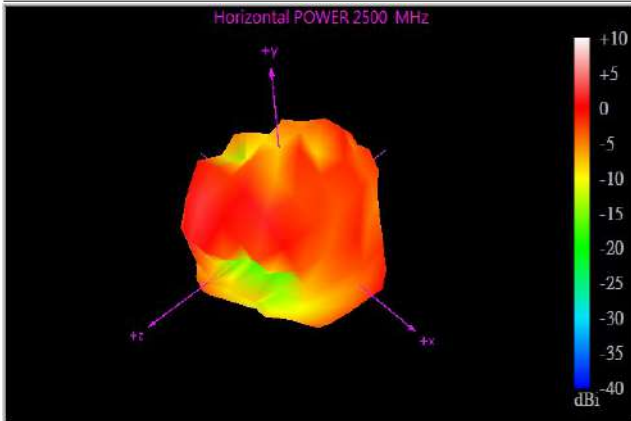
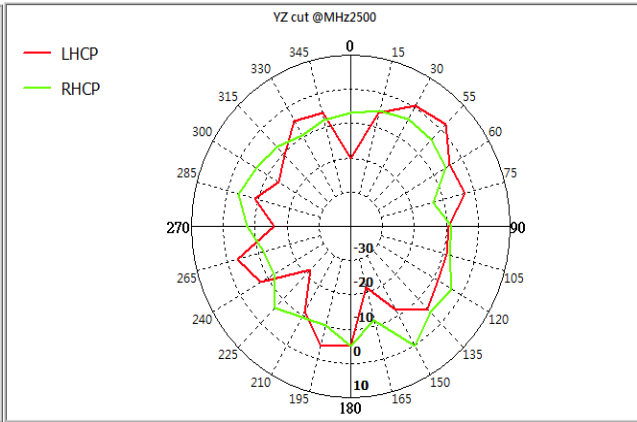
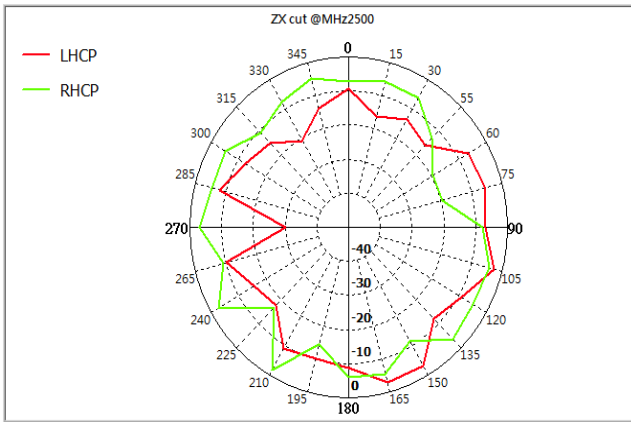
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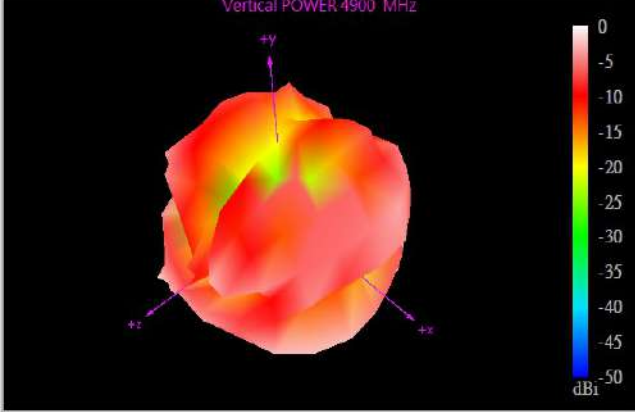
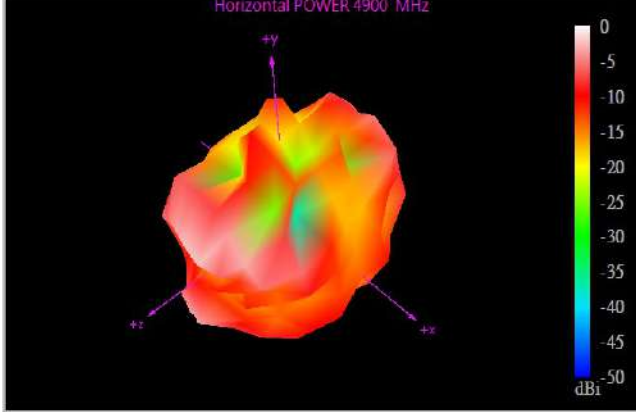
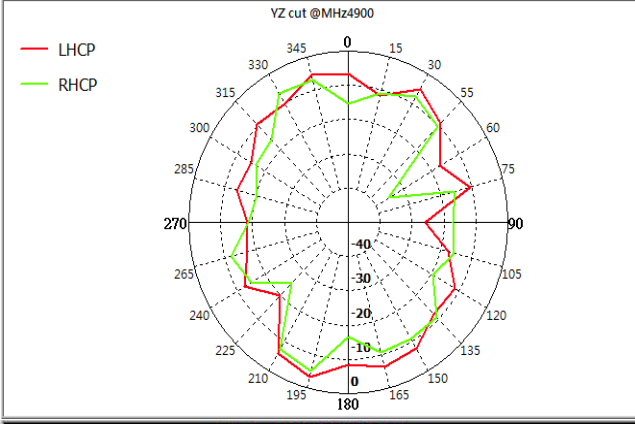
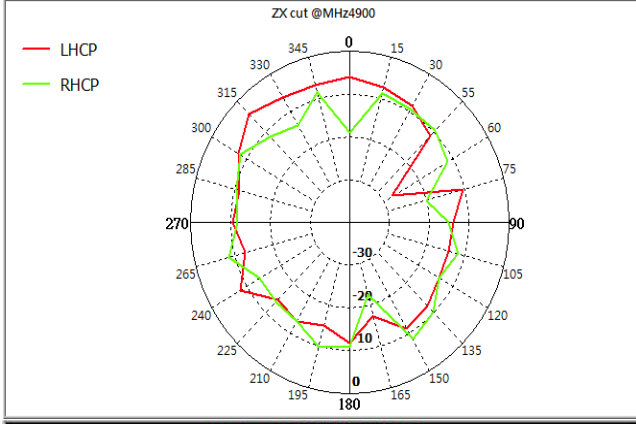
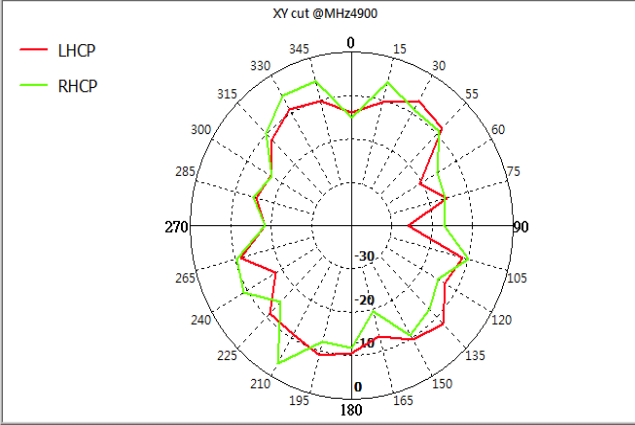
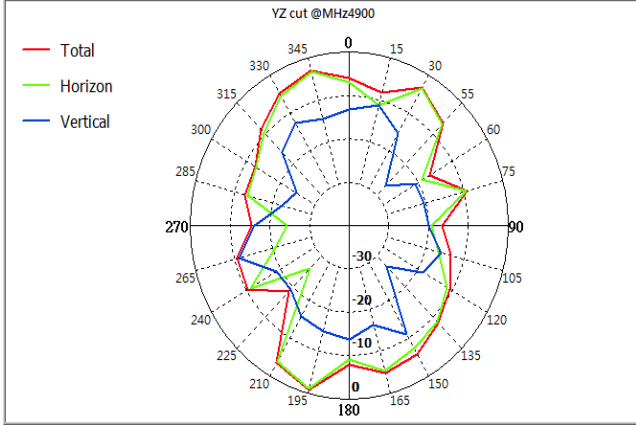
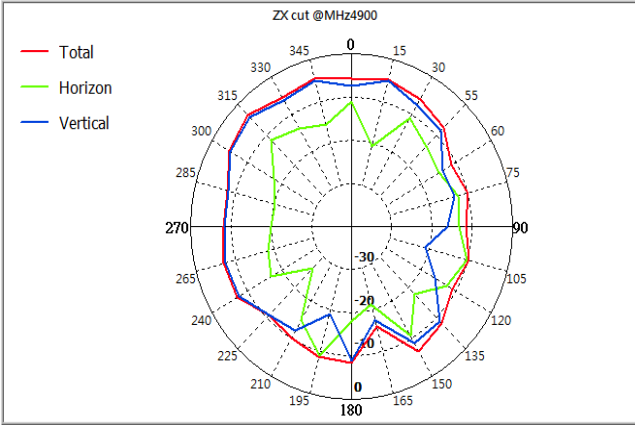
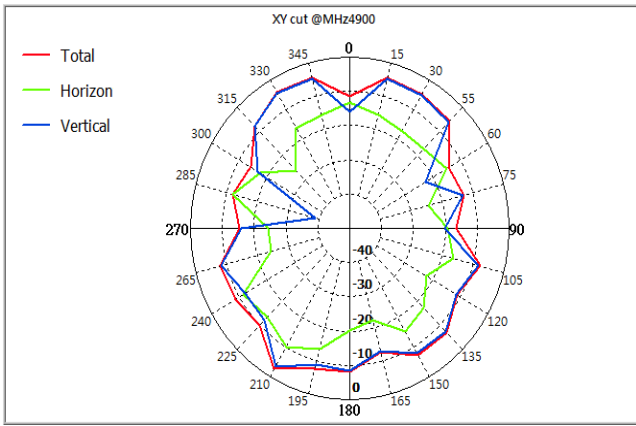


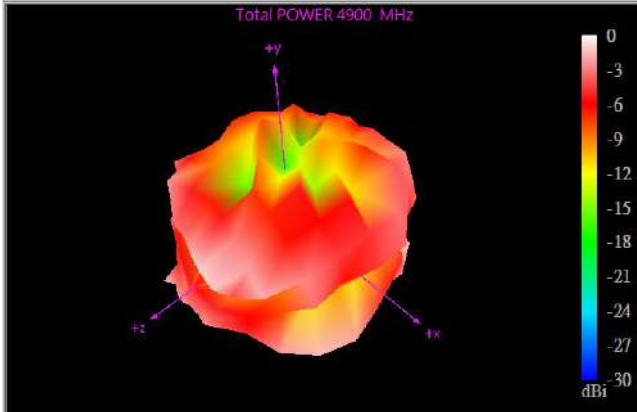
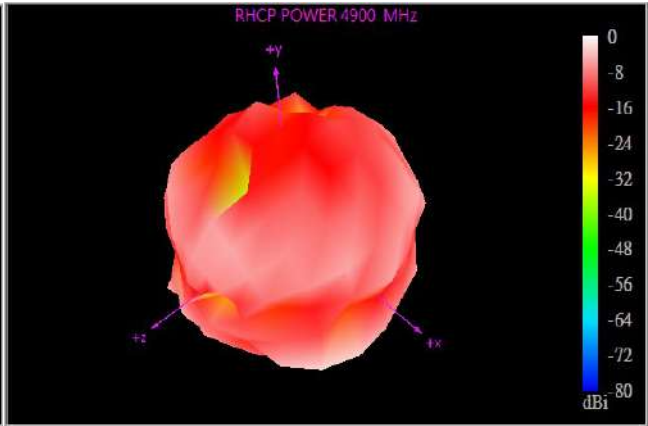
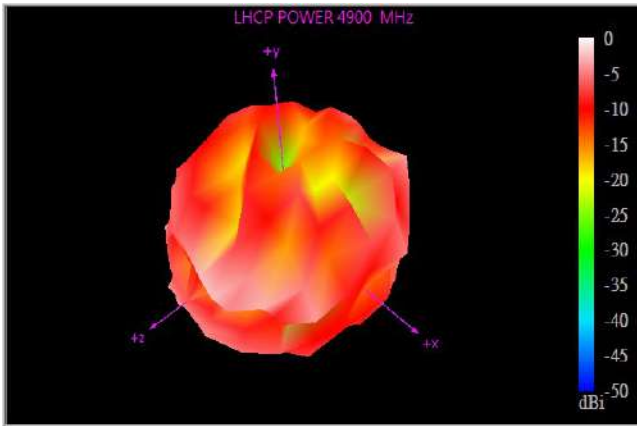
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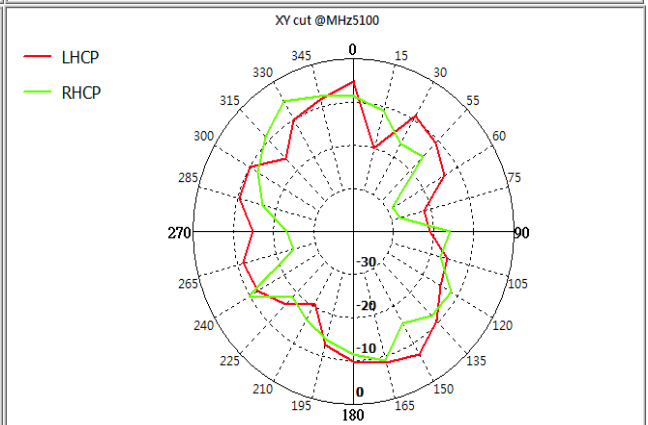
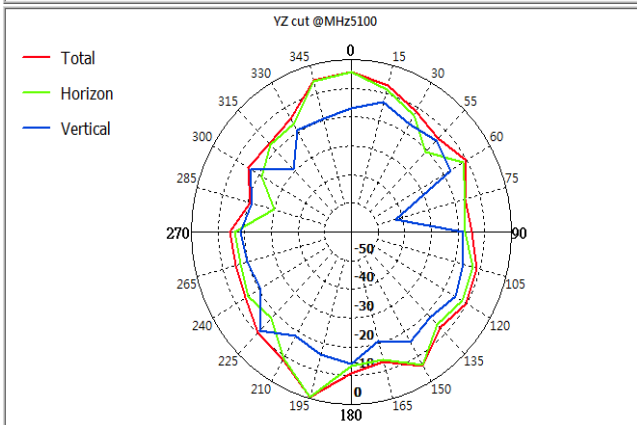
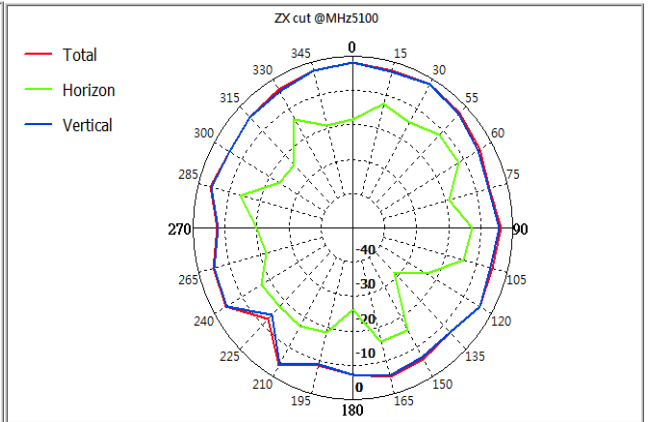
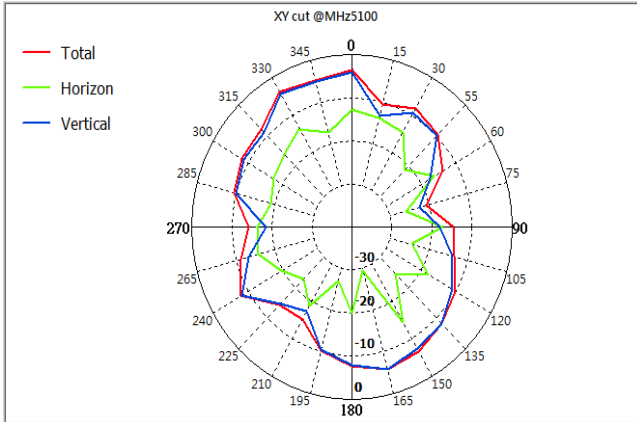


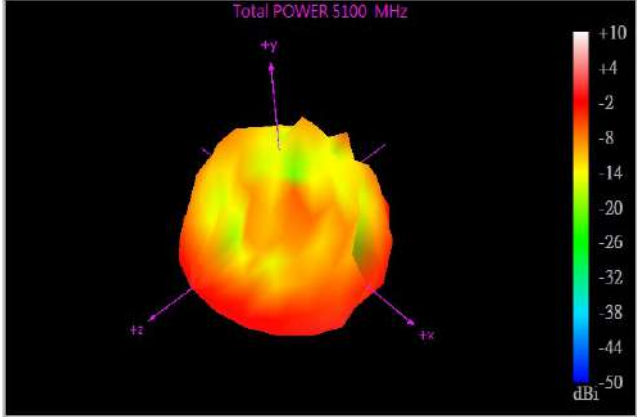
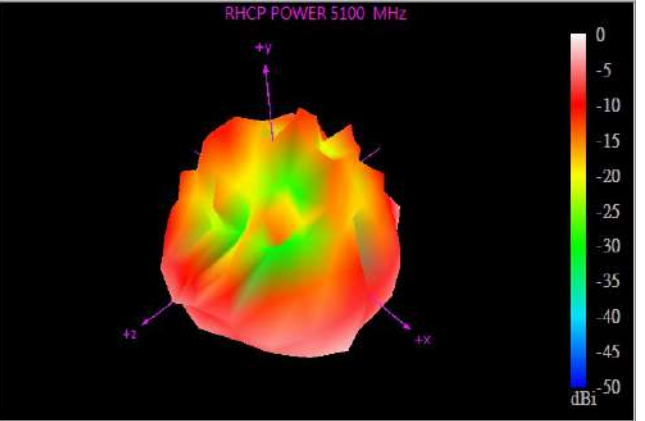
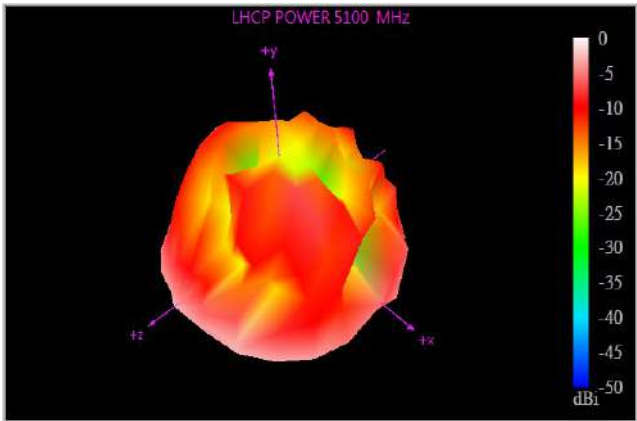
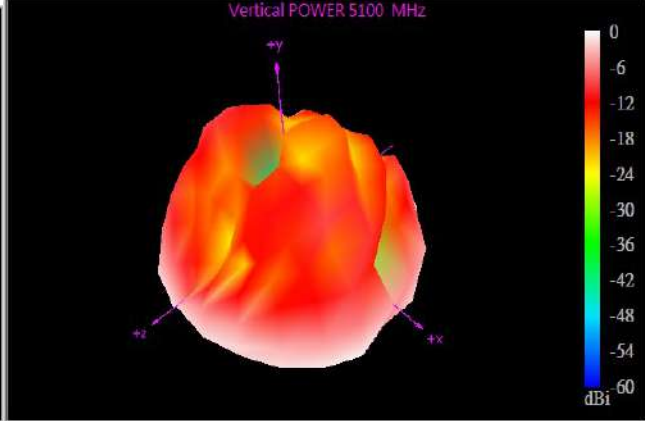
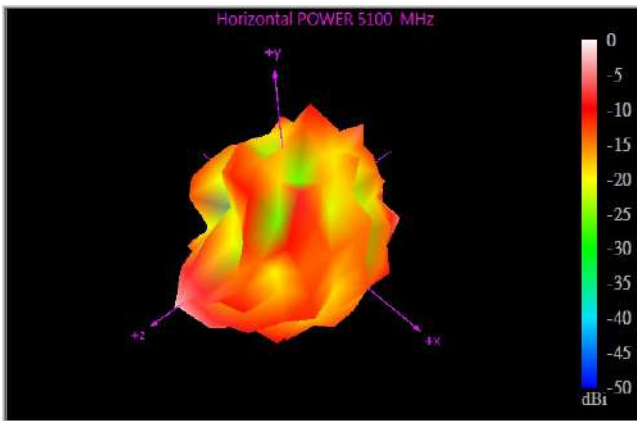
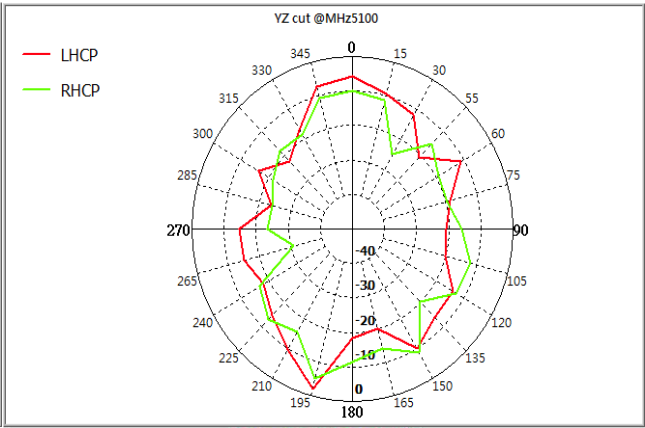
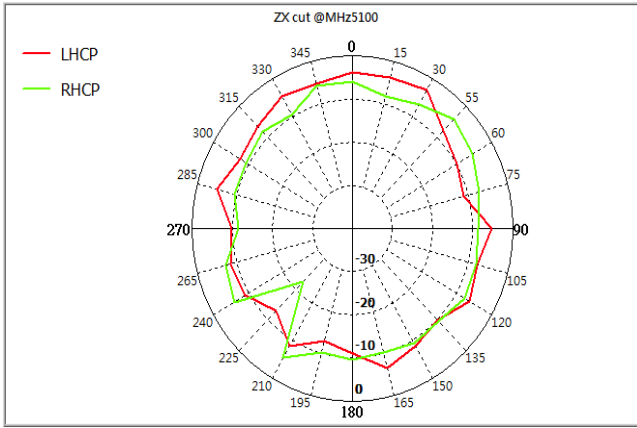
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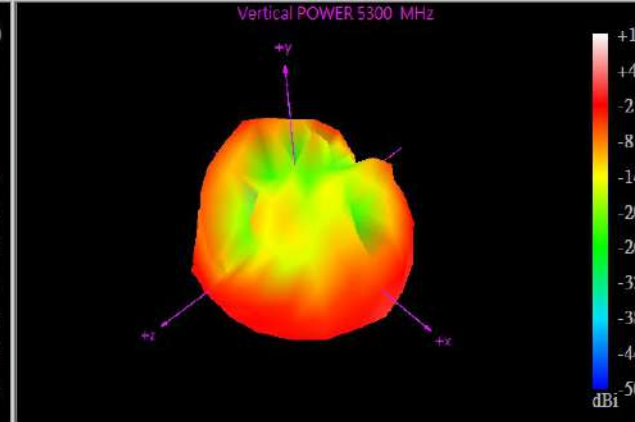
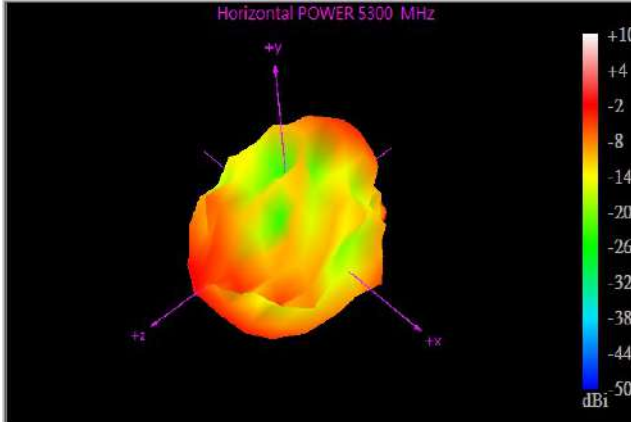
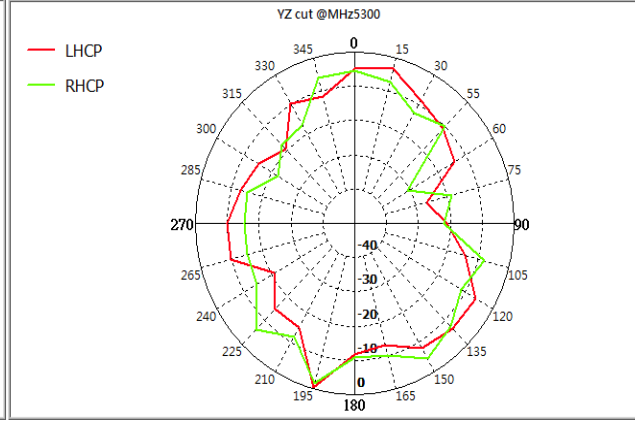
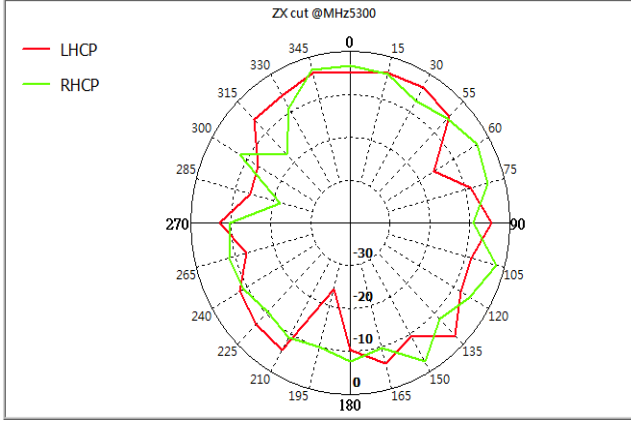
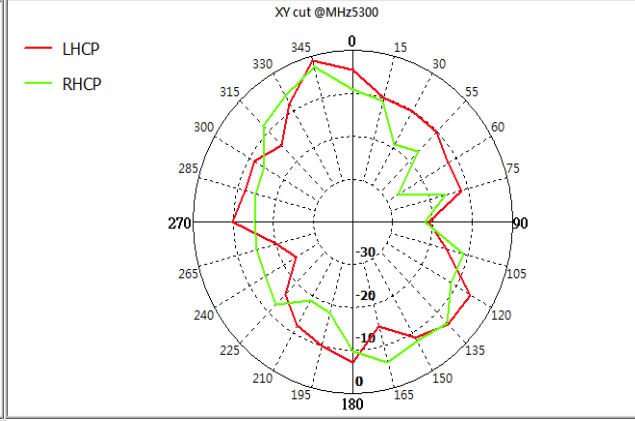
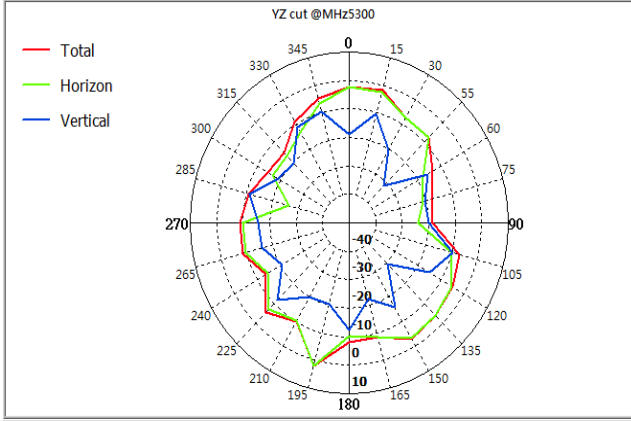
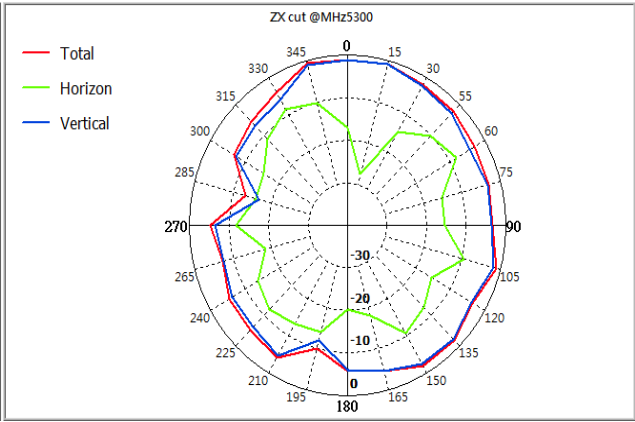
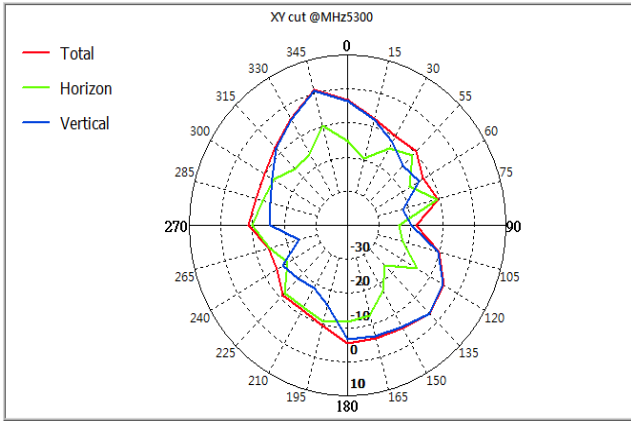


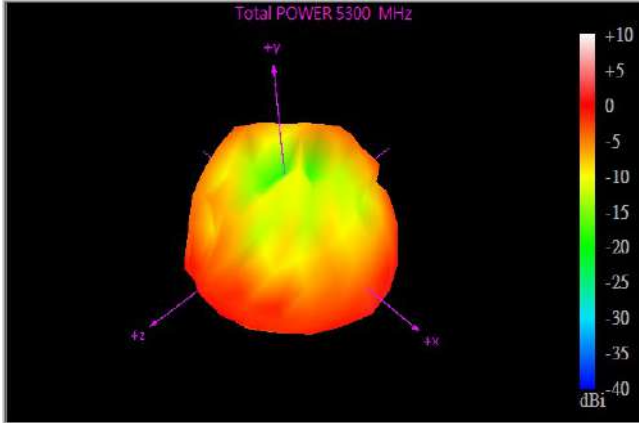
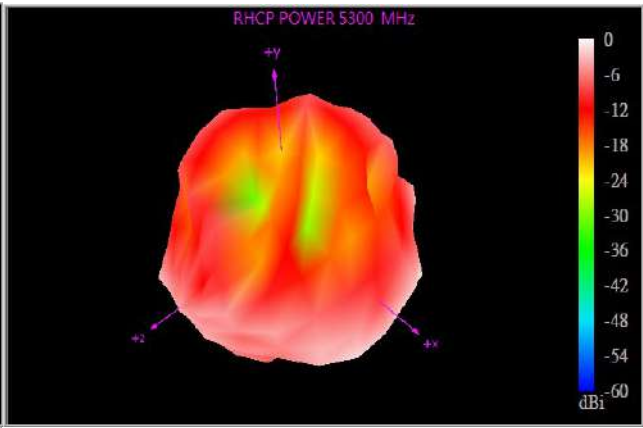
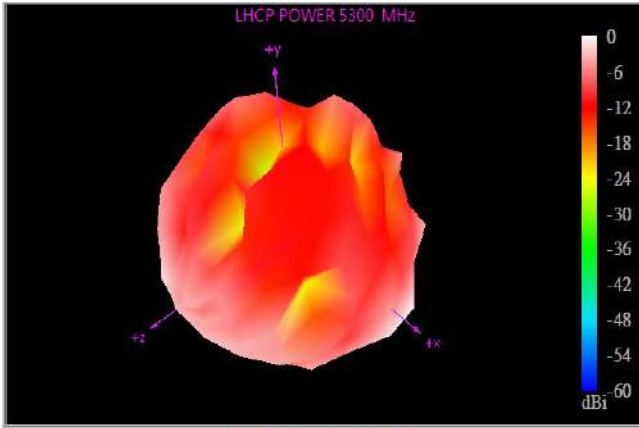
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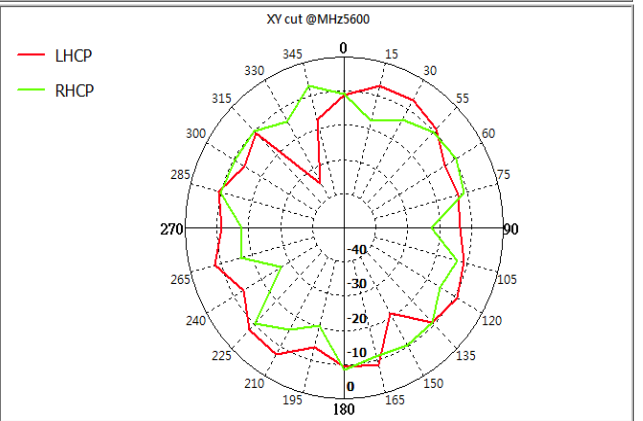
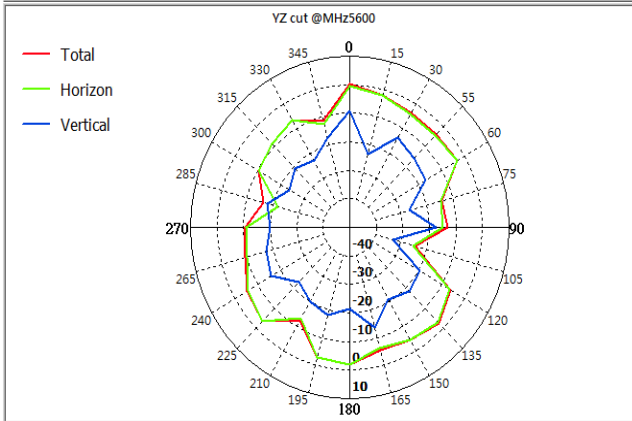
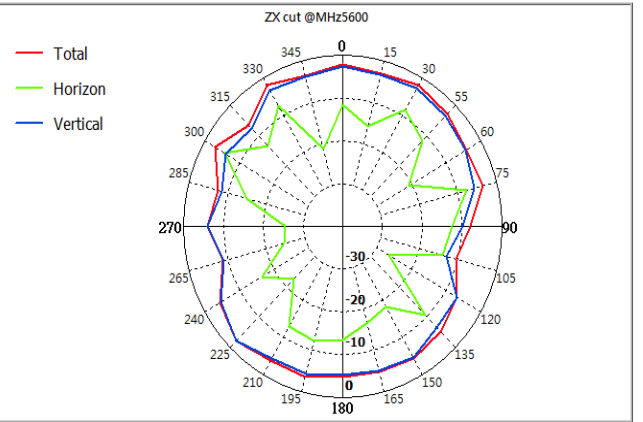
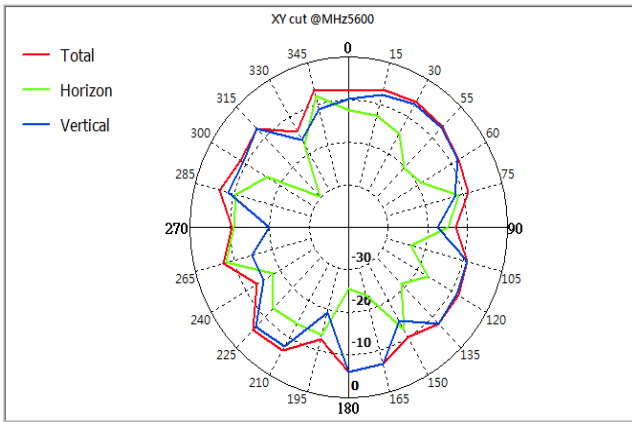


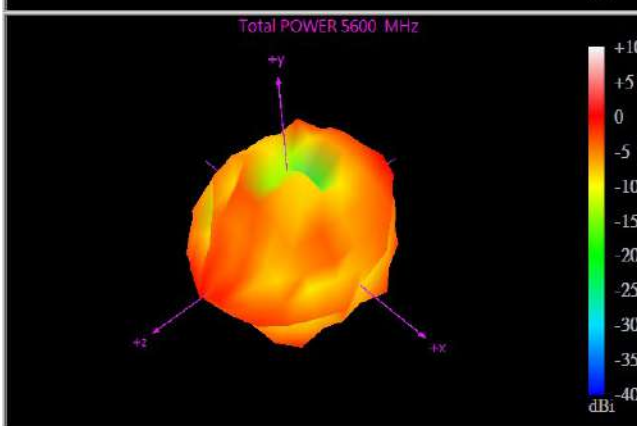
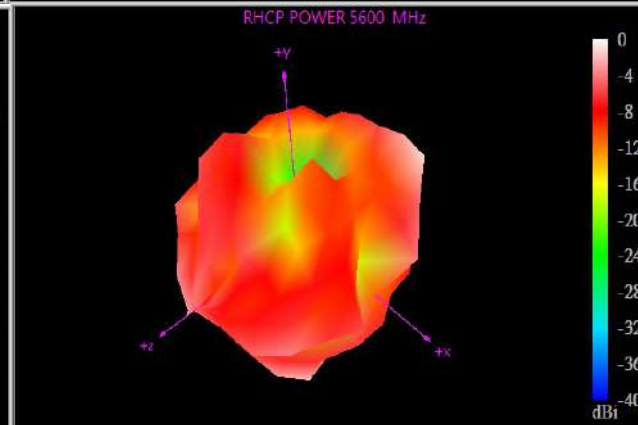
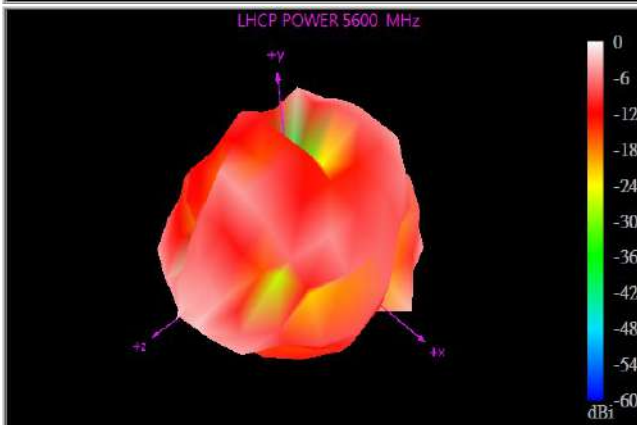
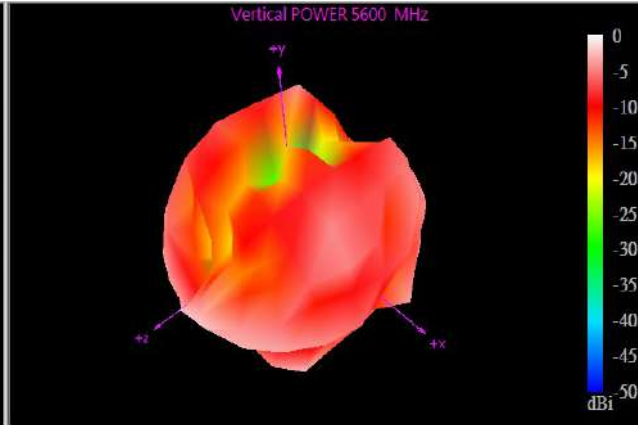
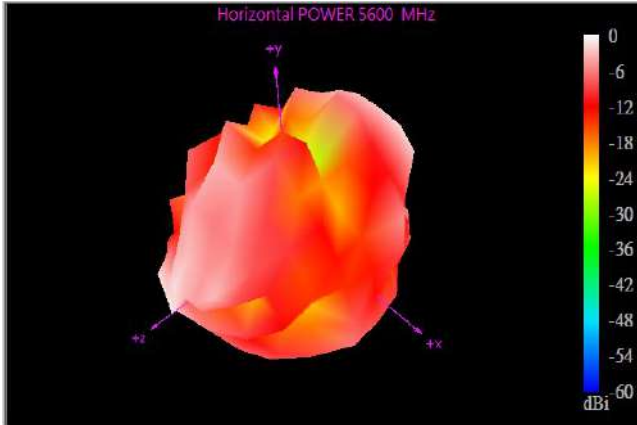
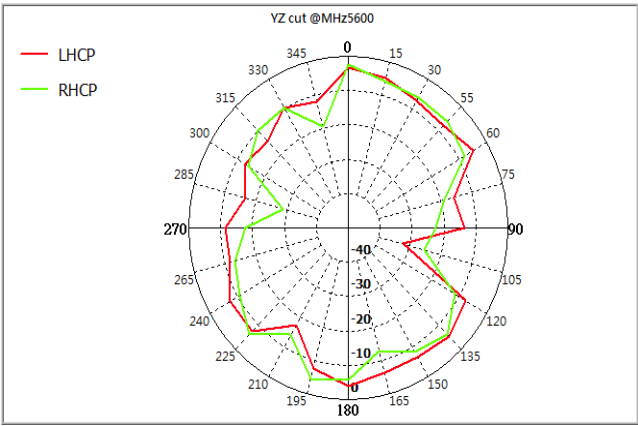
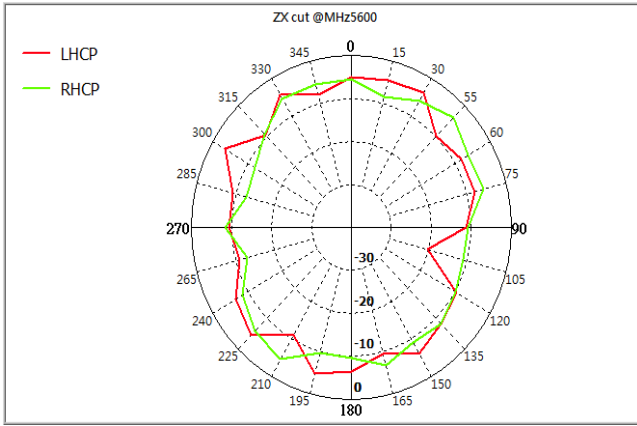
5300Mhz:





5600Mhz:





5800Mhz:

