

Internal WIFI 2.4/5G Dual Band Antenna

MODEL: IAP-2458C



1.. GENERAL DESCRIPTION

Model No	P/N
IAP-2458C	IAP-2458C

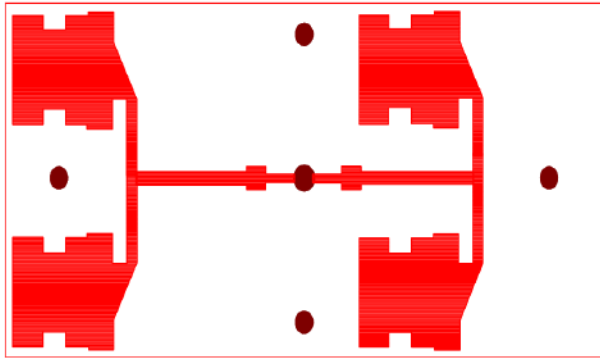
Below is a table summarizing the antenna design specification.

1.1 Electrical Properties

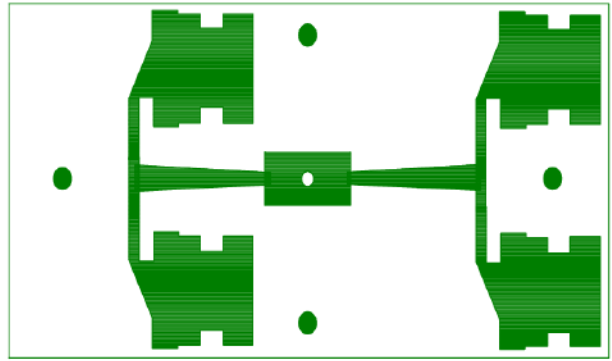
Parameter	Description
Frequency Band	2.4~2.5/5.1~5.85Ghz
Nominal Impedance	50 ohm
Polarization	Linear
Radiation Pattern	Omni-Directional
Peak Gain	3~7dbi
Admitted Power radiation	5W
V.S.W.R	2.5:1

1.2 Mechanical Properties

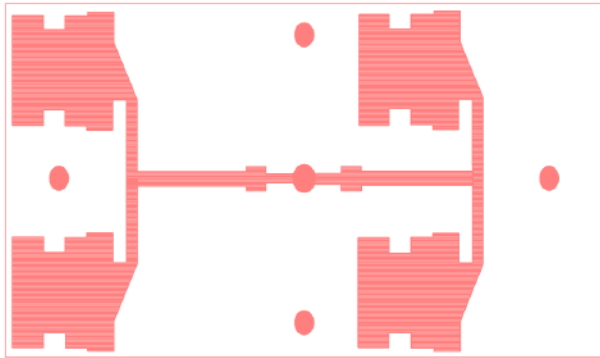
Parameter	Description
Antenna Type	Self-Adhesive
Material	PTFE 1.0T
Connector Type	SMA(M) or other
Antenna Dimensions	110 x 52.5mm±0.5
Antenna Color	Gray
Operating Temperature Range	-40°C~+80°C
Storage Temperature Range	-40°C~+80°C



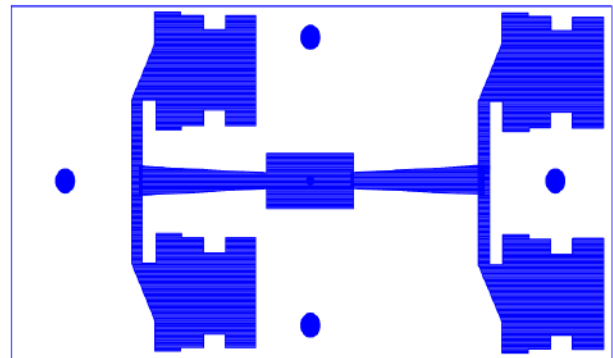
TOP



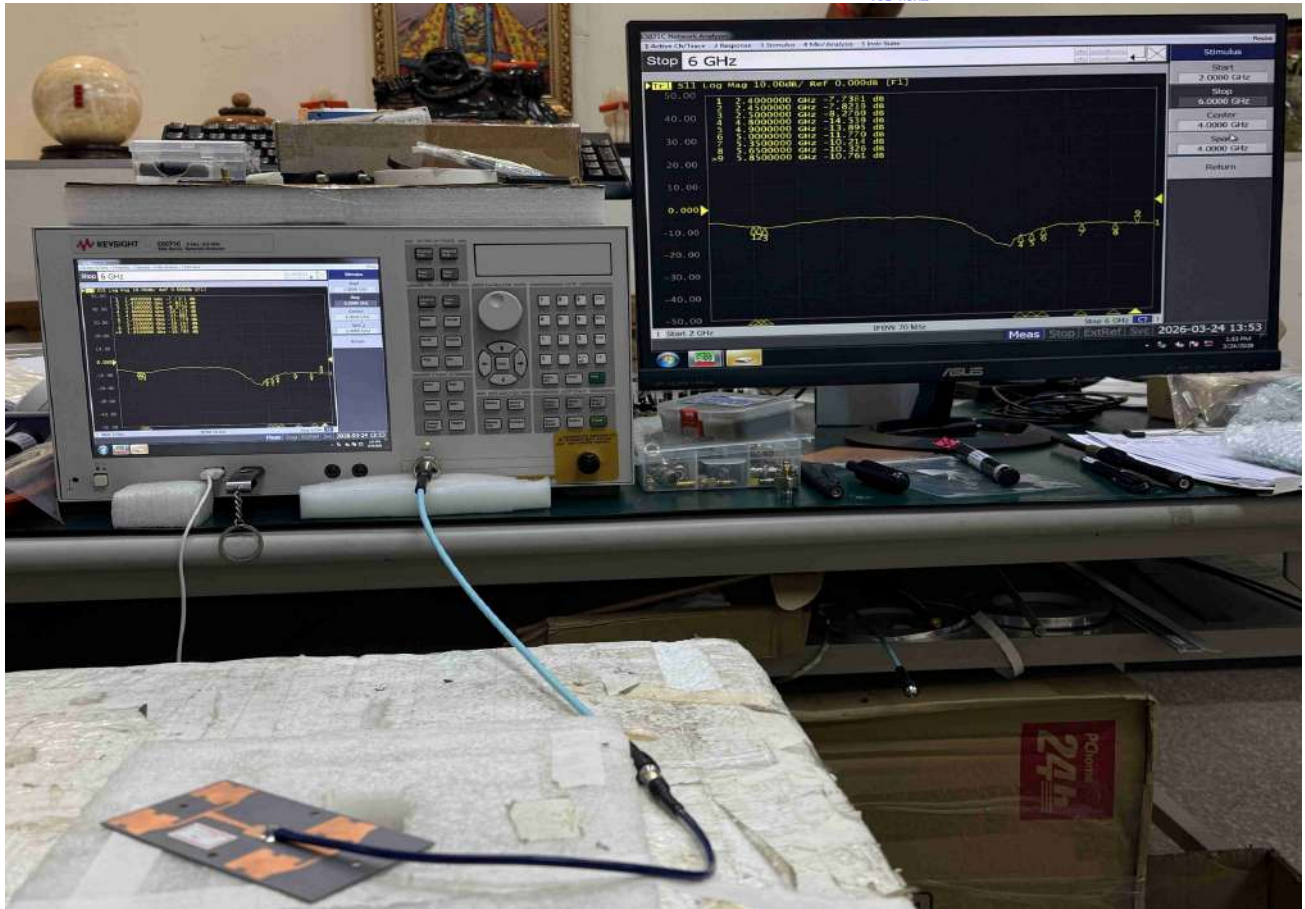
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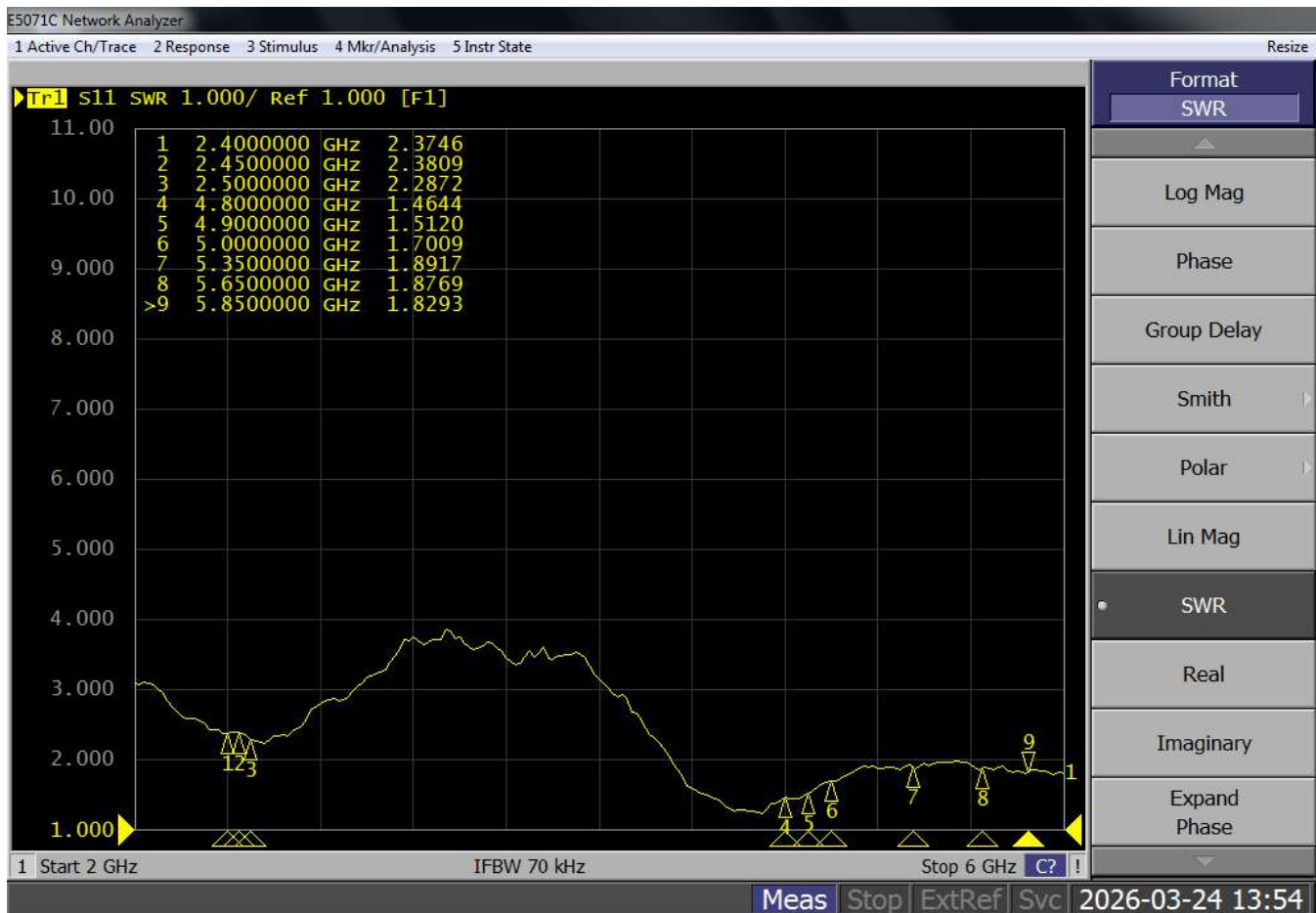
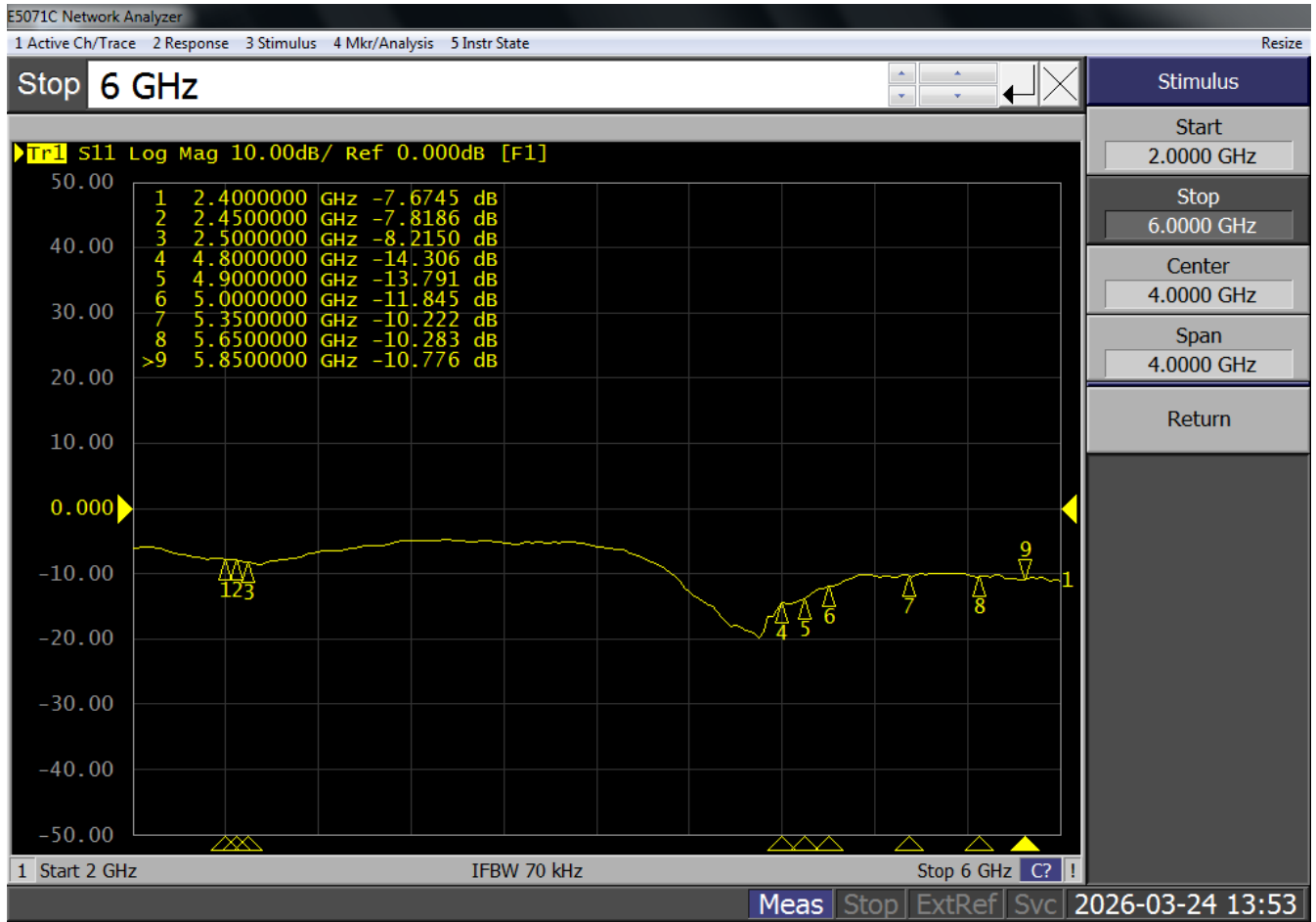


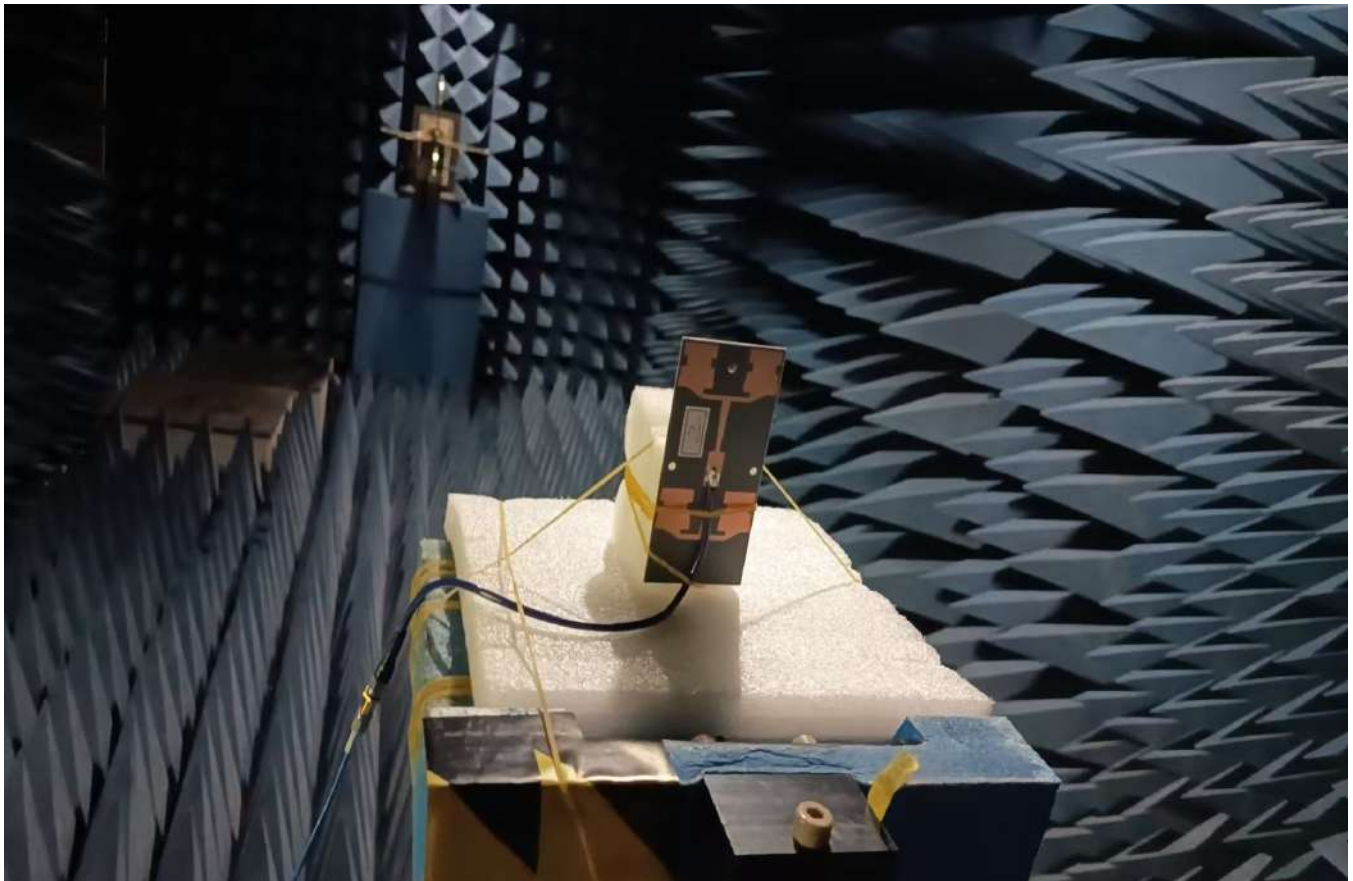
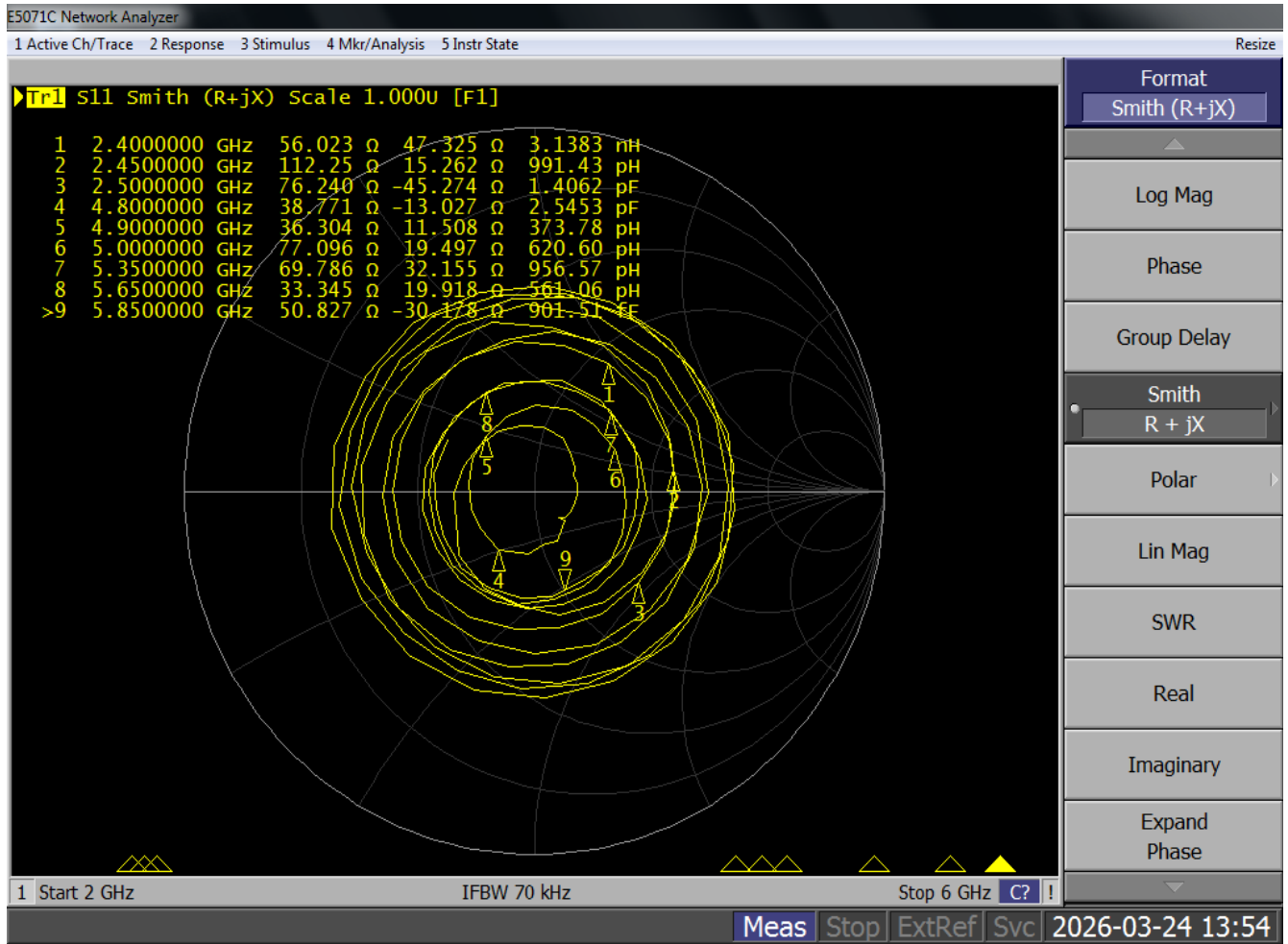
MASK TOP



TOP MASK



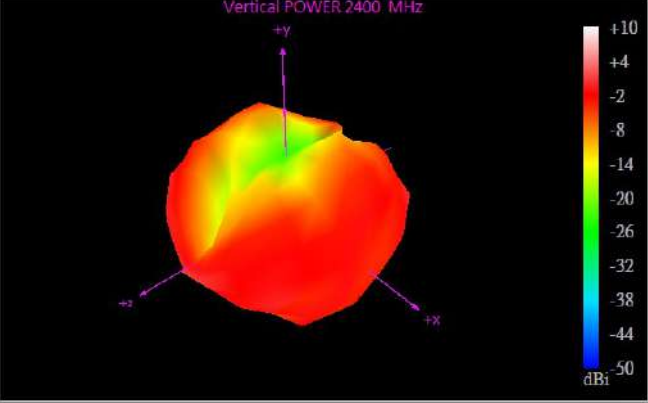
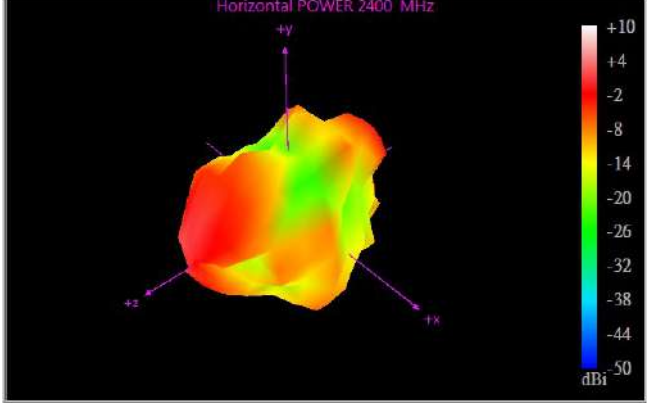
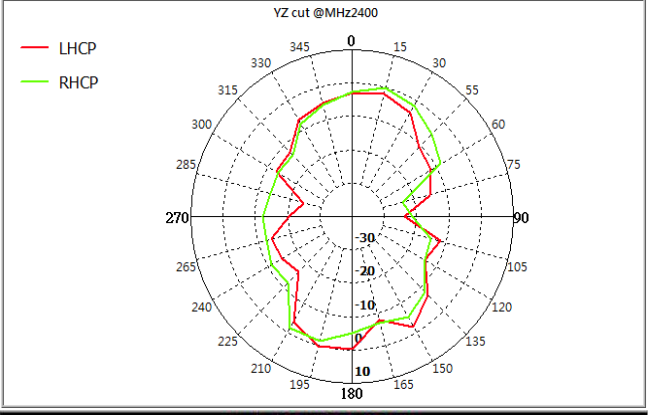
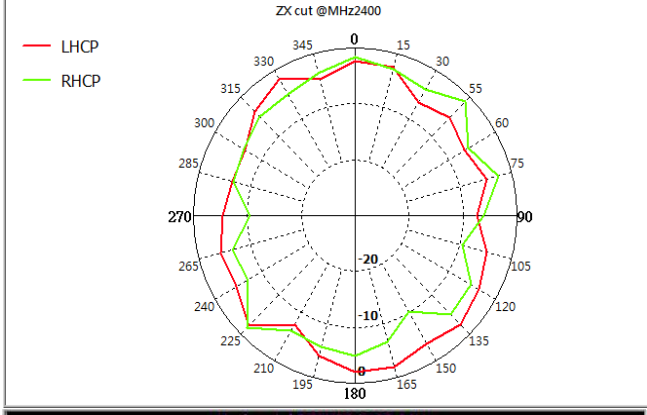
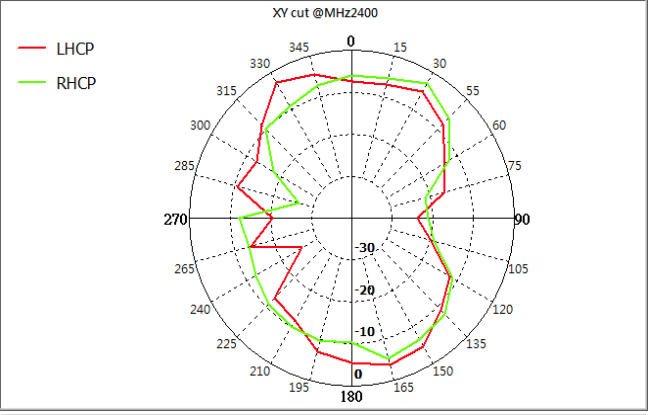
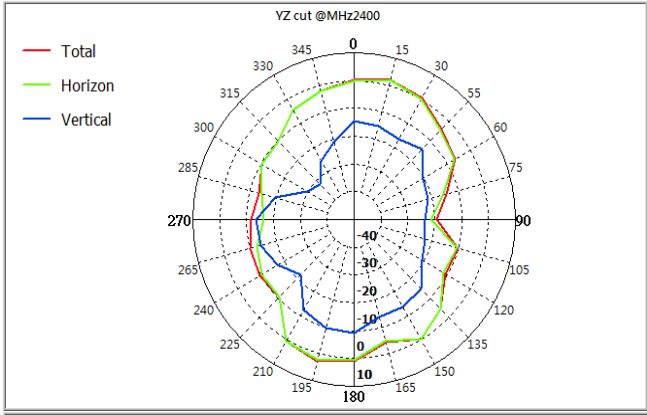
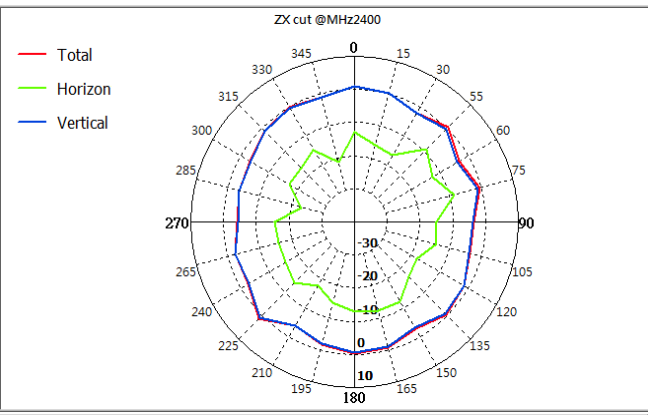
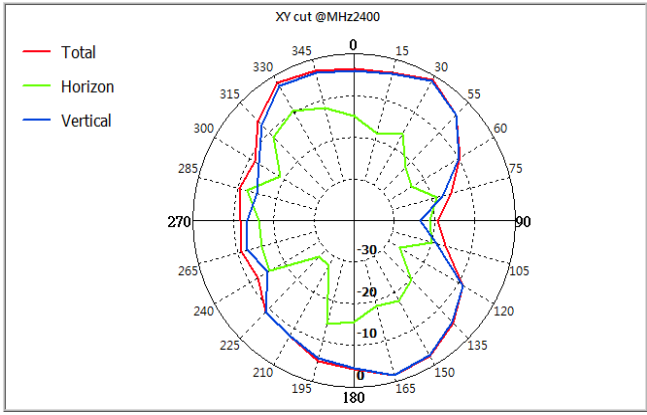


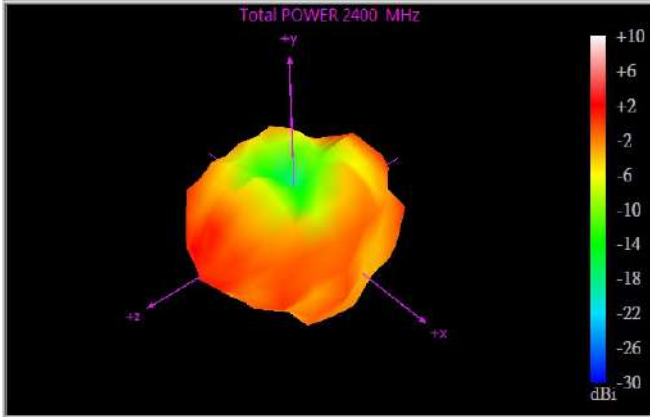
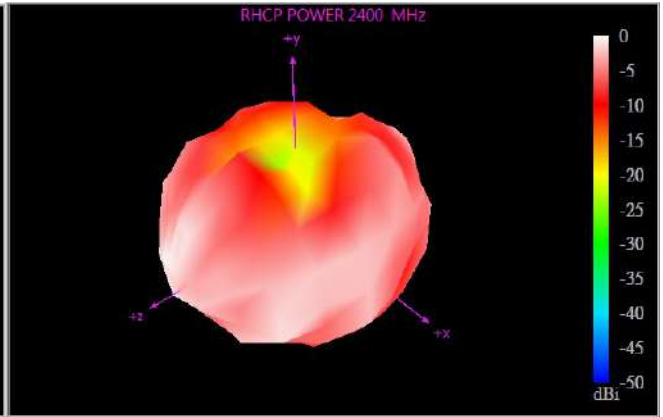
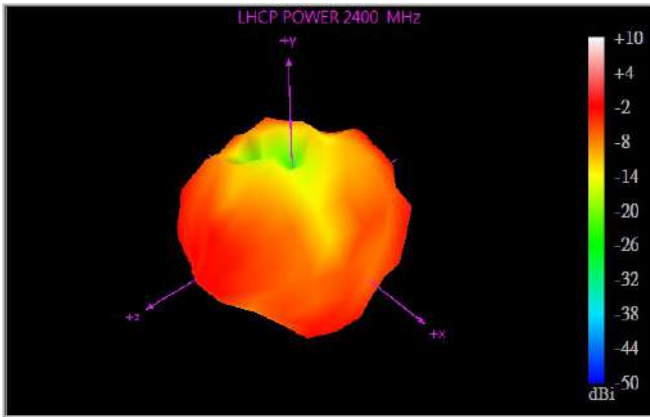


3D Total

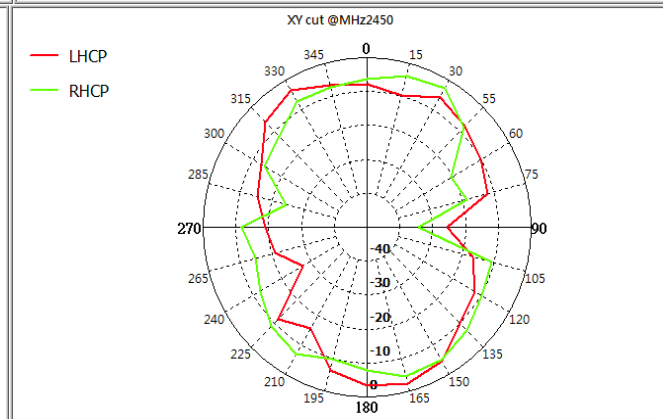
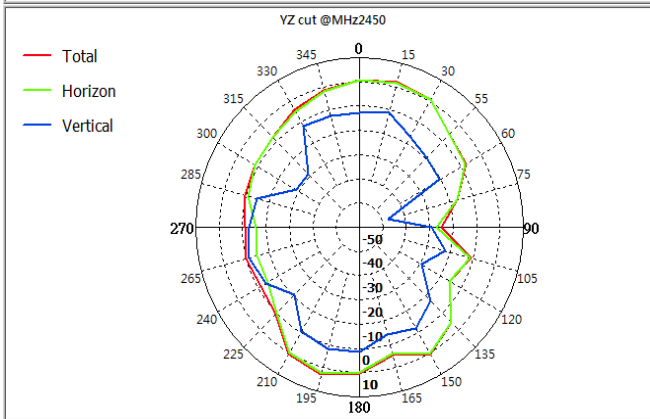
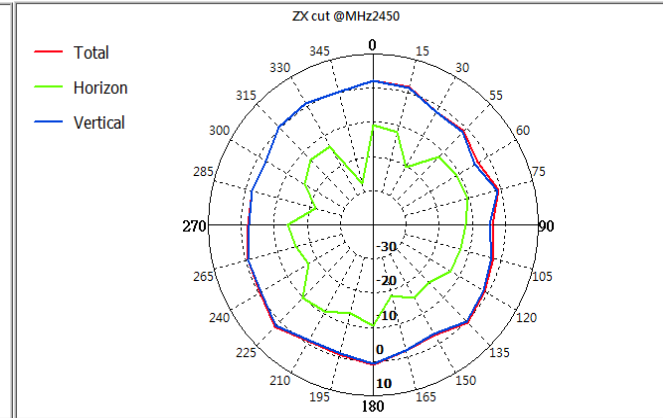
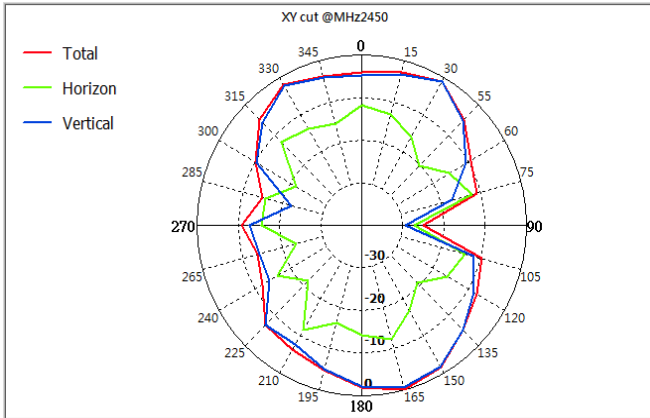
Frequency (MHz)	Upper Hem. PRP (dBm)	Lower HEM. PRP (dBm)	Efficiency (dB)	Efficiency (%)	Gain (dBi)	Tot. Rad.Pwr. (dBm)
2400 MHz	-7.32	-7.04	-4.17	38.28	2.81	-4.17
2410 MHz	-7.06	-6.83	-3.93	40.46	2.70	-3.93
2420 MHz	-7.21	-6.94	-4.07	39.17	3.04	-4.07
2430 MHz	-7.55	-7.09	-4.30	37.15	3.06	-4.30
2440 MHz	-7.58	-7.19	-4.37	36.56	2.78	-4.37
2450 MHz	-6.75	-6.28	-3.50	44.67	3.61	-3.50
2460 MHz	-7.00	-6.53	-3.75	42.17	3.10	-3.75
2470 MHz	-7.20	-6.69	-3.93	40.46	2.87	-3.93
2480 MHz	-7.11	-6.69	-3.88	40.93	3.08	-3.88
2490 MHz	-6.88	-6.59	-3.73	42.36	3.27	-3.73
2500 MHz	-6.74	-6.50	-3.61	43.55	3.29	-3.61
4900 MHz	-7.30	-7.45	-4.37	36.56	5.06	-4.37
4950 MHz	-4.35	-4.34	-4.34	36.81	5.04	-4.34
5000 MHz	-9.72	-9.84	-4.77	33.34	3.88	-4.77
5050 MHz	-7.47	-7.42	-4.43	36.06	4.52	-4.43
5100 MHz	-8.95	-9.22	-3.08	49.20	4.44	-3.08
5150 MHz	-6.20	-6.04	-3.11	48.87	7.19	-3.11
5200 MHz	-6.68	-6.64	-3.65	43.15	6.30	-3.65
5250 MHz	-6.20	-6.46	-3.32	46.56	6.21	-3.32
5300 MHz	-7.27	-7.60	-4.42	36.14	5.55	-4.42
5350 MHz	-5.24	-4.86	-2.04	62.52	5.19	-2.04
5400 MHz	-5.68	-5.51	-2.59	55.08	5.09	-2.59
5450 MHz	-7.09	-6.99	-4.03	39.54	4.88	-4.03
5500 MHz	-8.32	-7.93	-5.11	30.83	5.86	-5.11
5550 MHz	-8.12	-7.63	-4.86	32.66	4.16	-4.86
5600 MHz	-7.70	-7.00	-4.33	36.90	7.39	-4.33
5650 MHz	-7.22	-6.94	-4.07	39.17	5.26	-4.07
5700 MHz	-7.81	-7.55	-4.67	34.12	6.40	-4.67
5750 MHz	-8.09	-7.92	-4.99	31.70	6.45	-4.99
5800 MHz	-8.50	-7.97	-5.21	30.13	5.80	-5.21
5850 MHz	-8.13	-7.89	-5.00	31.62	6.63	-5.00
5900 MHz	-8.35	-8.41	-5.37	29.04	6.16	-5.37
5950 MHz	-7.62	-7.69	-4.65	34.28	6.54	-4.65
6000 MHz	-7.64	-7.58	-4.60	34.67	6.45	-4.60

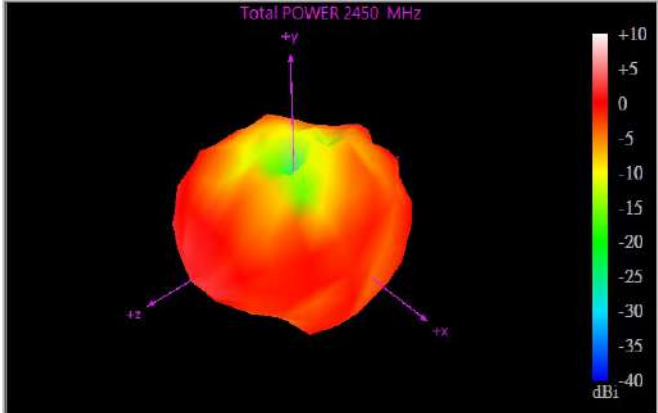
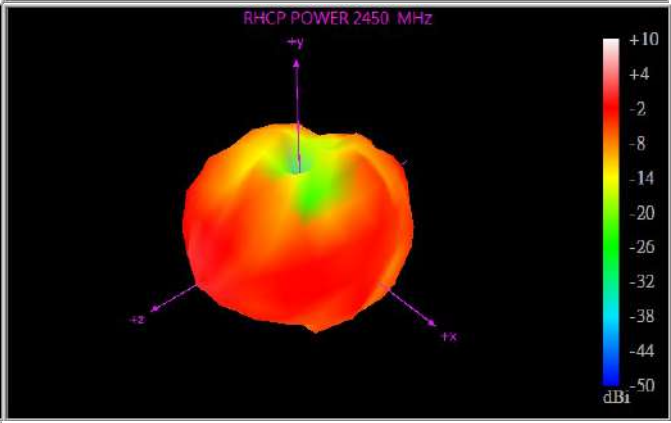
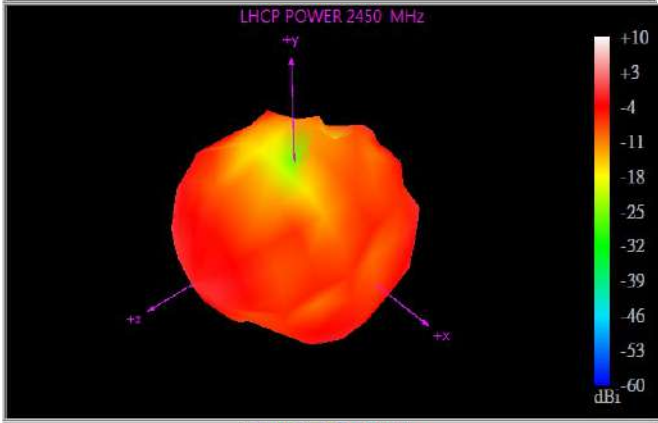
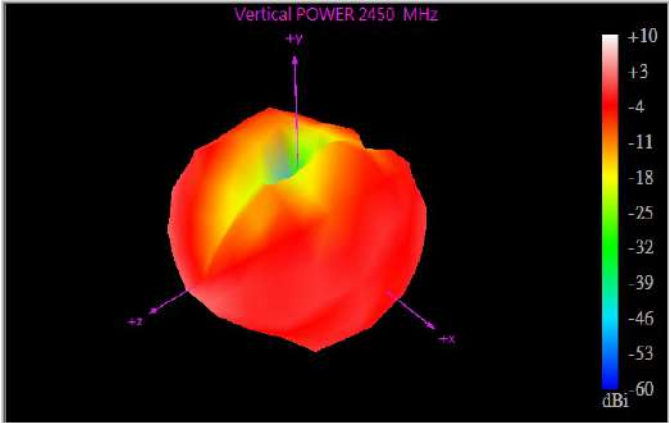
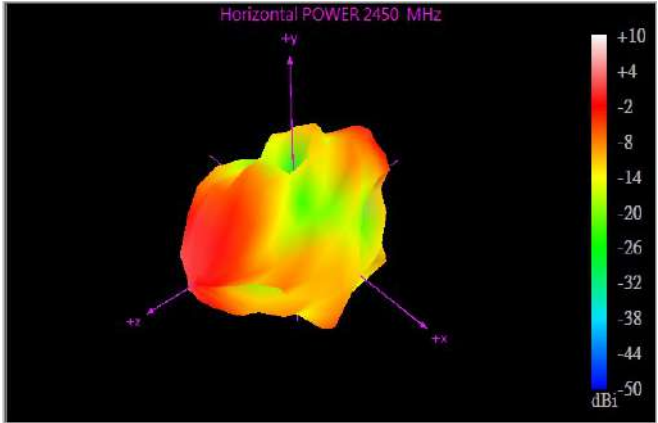
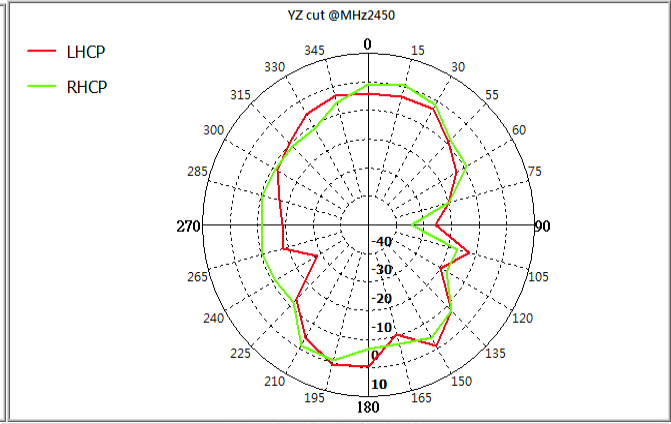
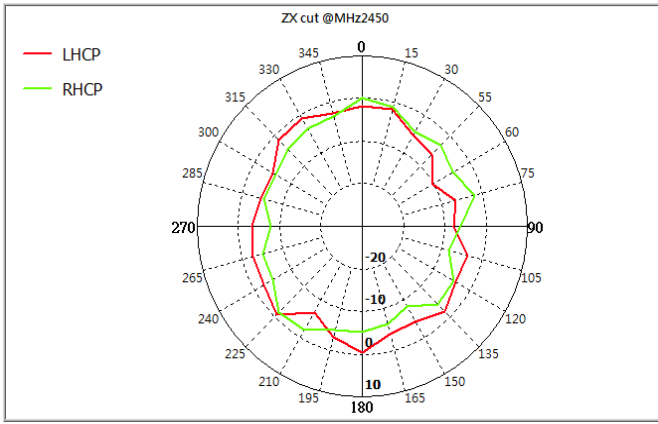
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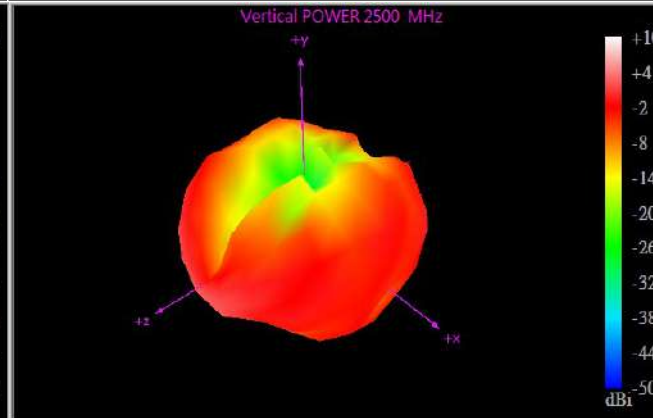
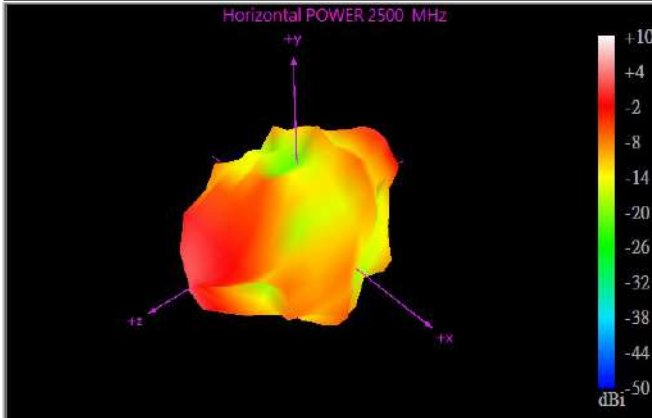
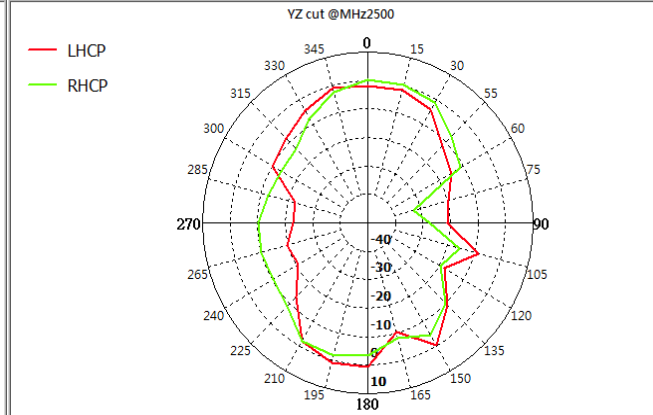
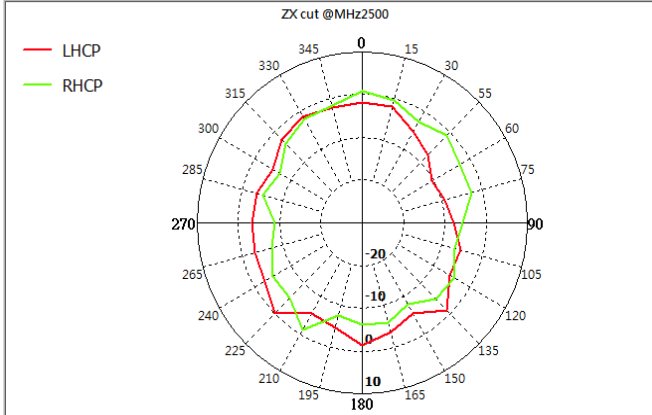
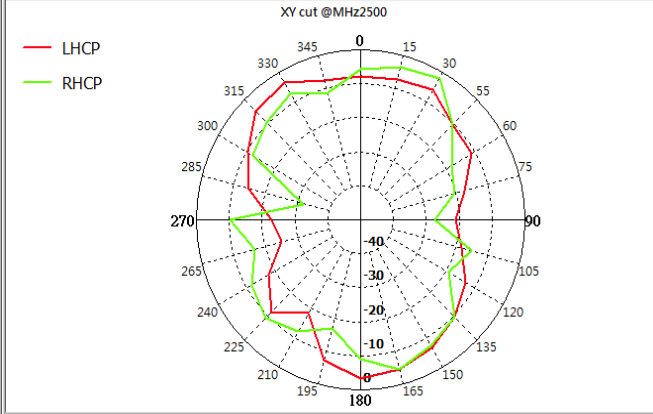
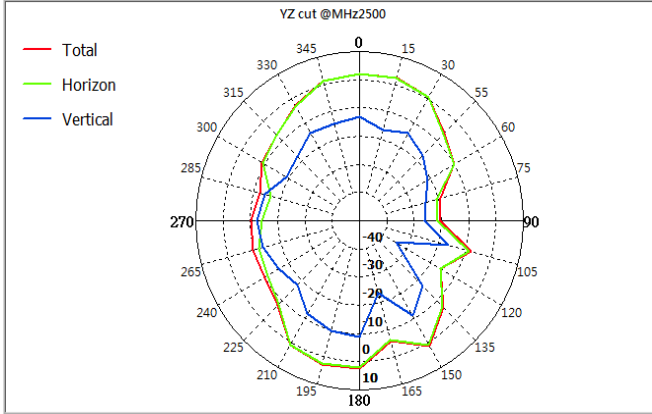
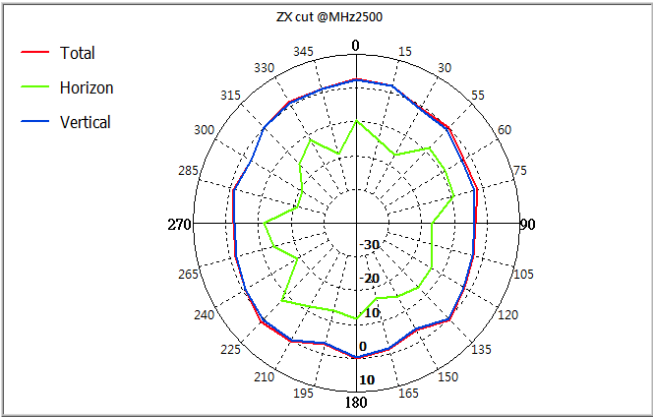
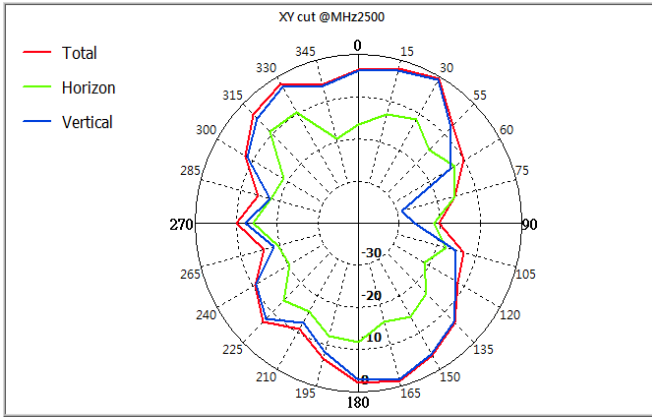


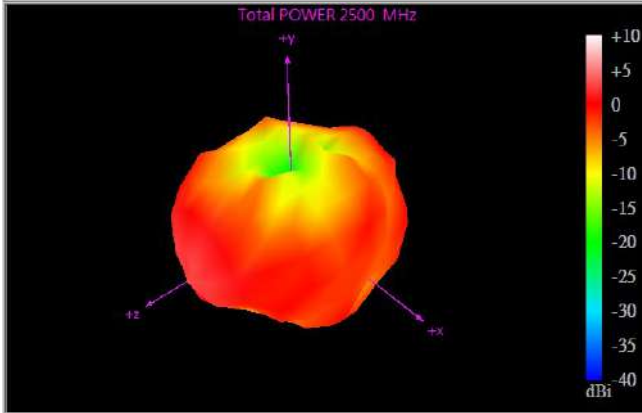
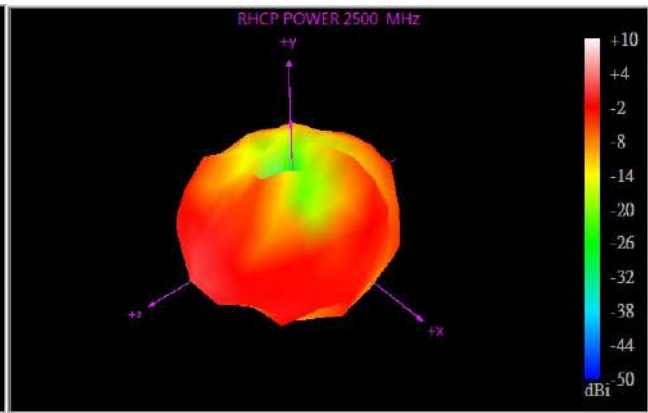
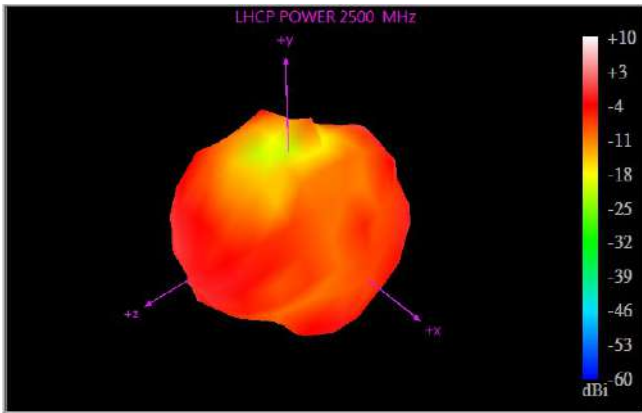
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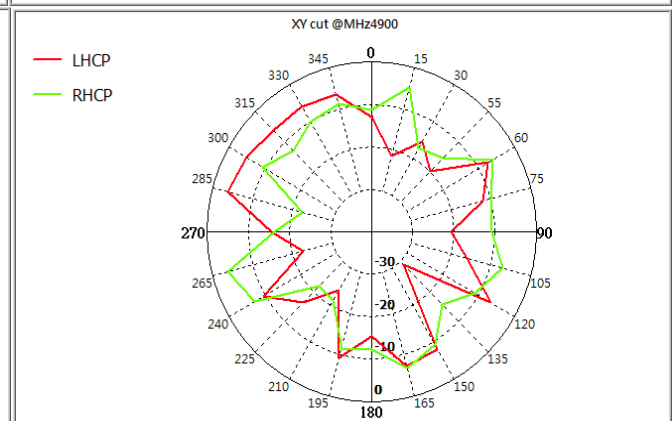
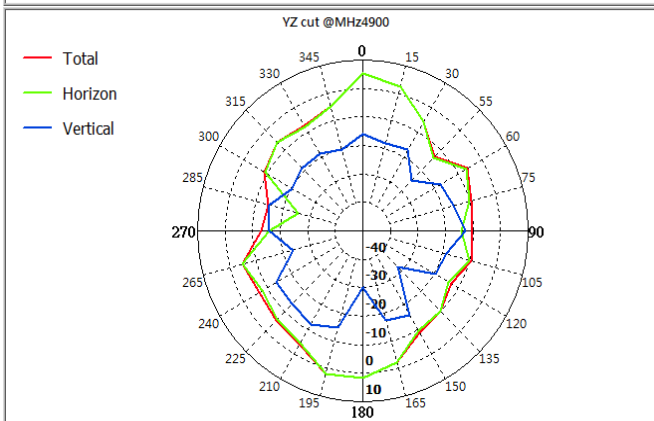
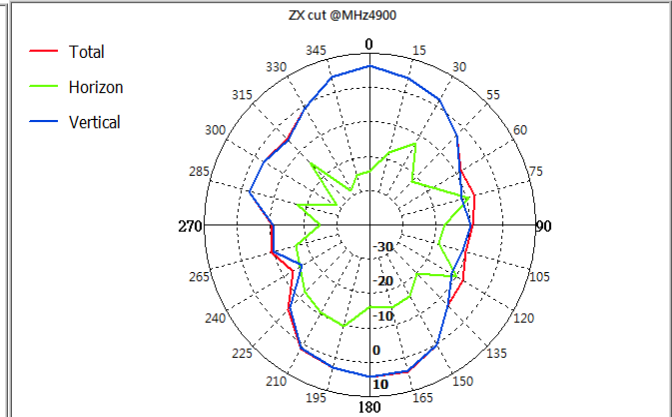
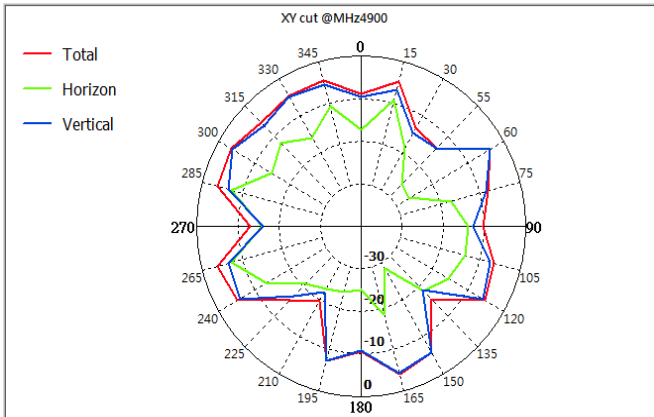


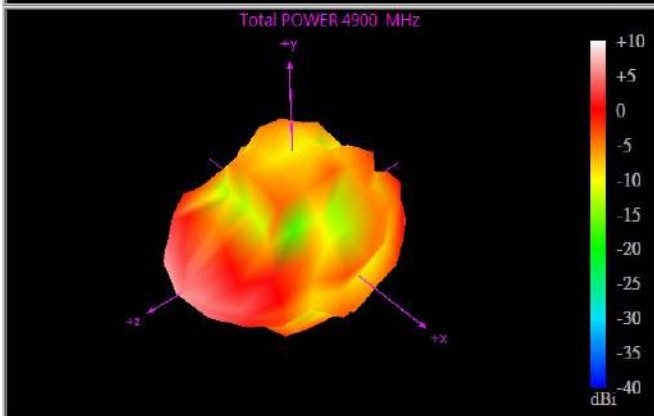
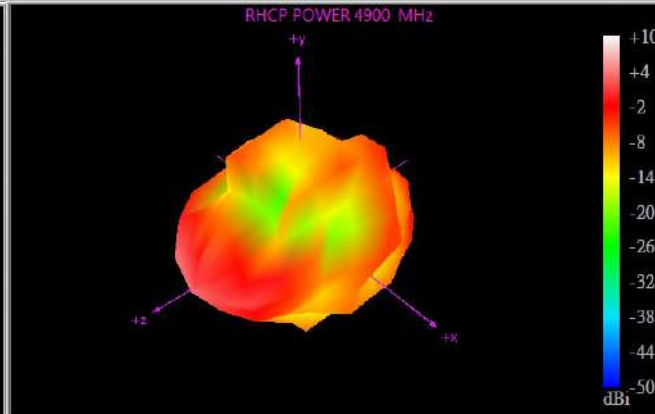
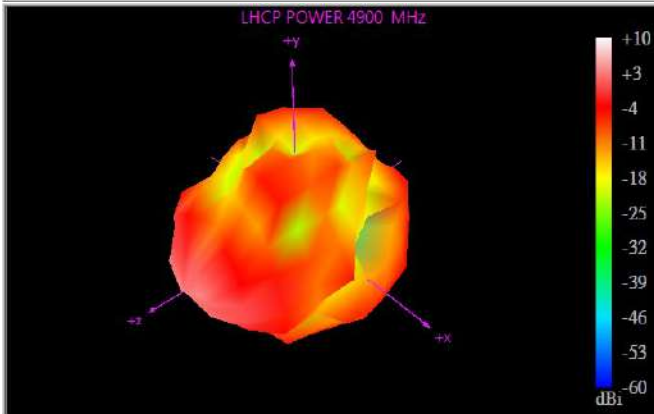
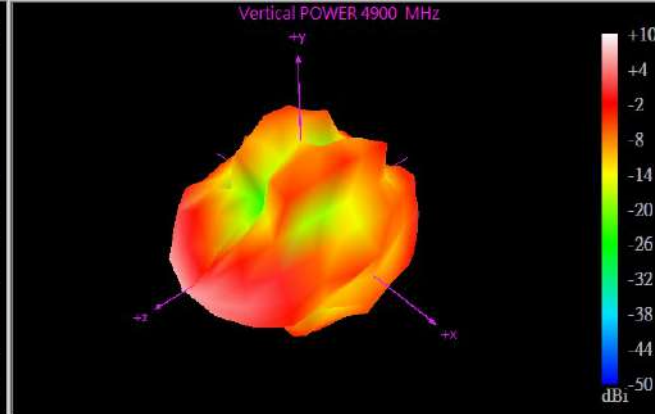
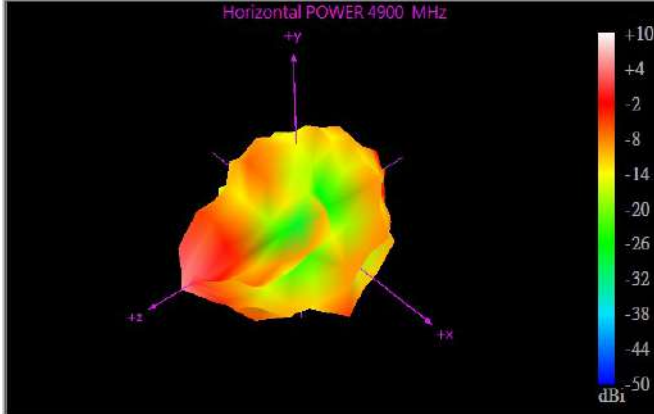
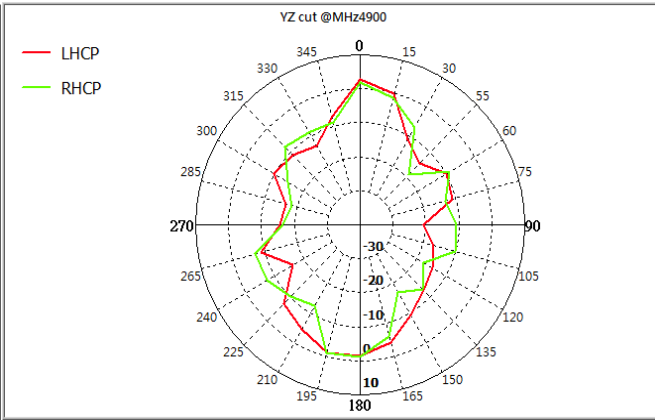
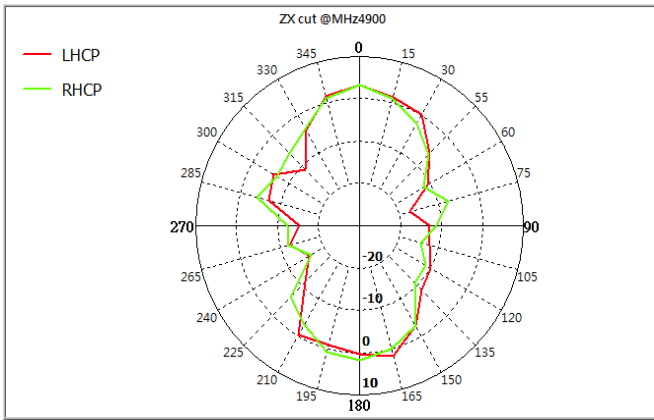
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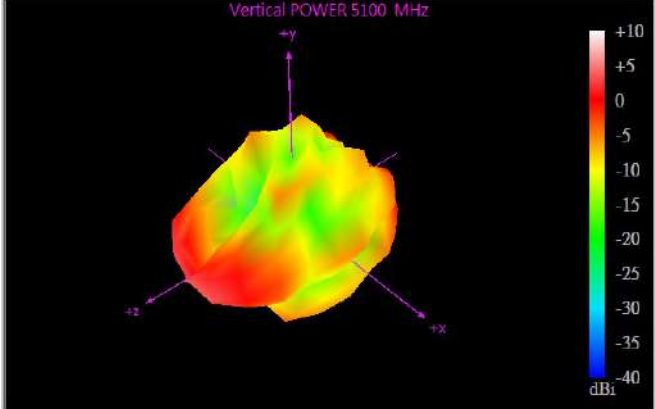
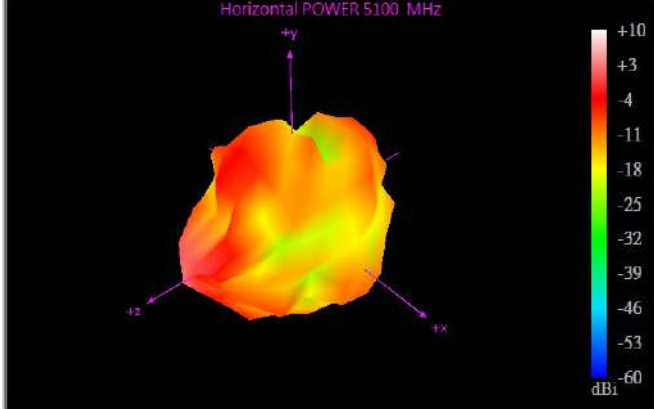
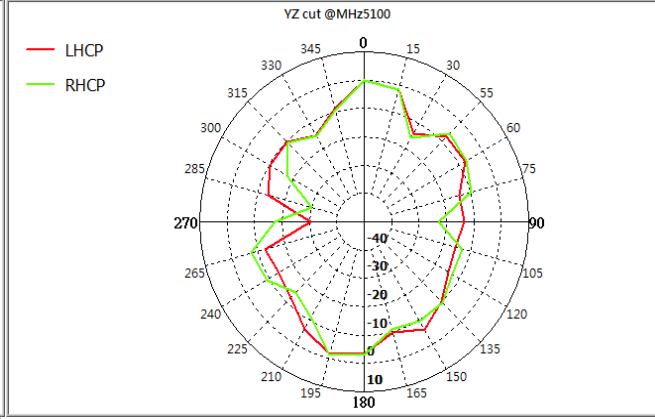
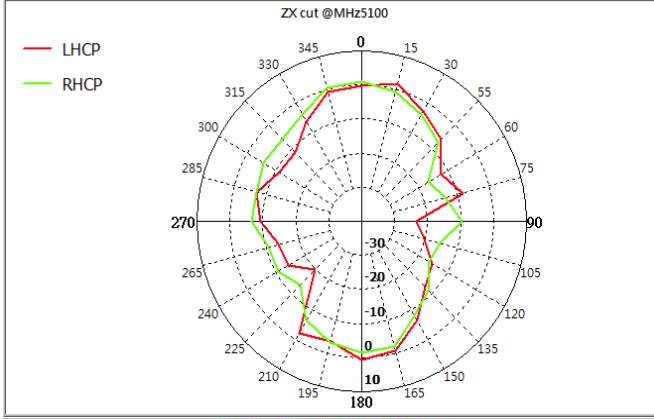
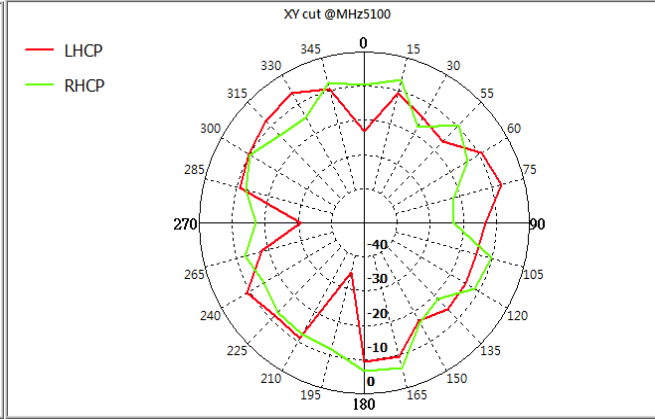
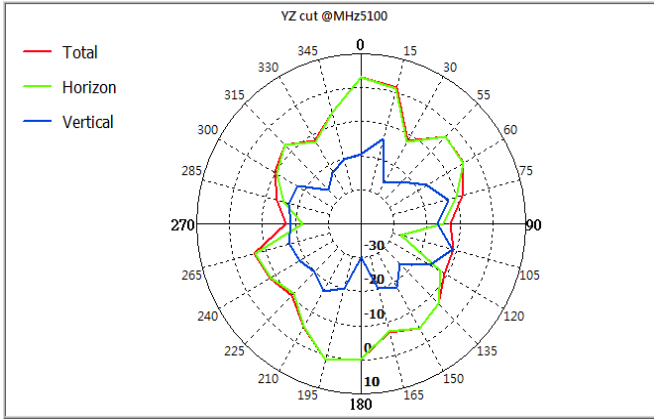
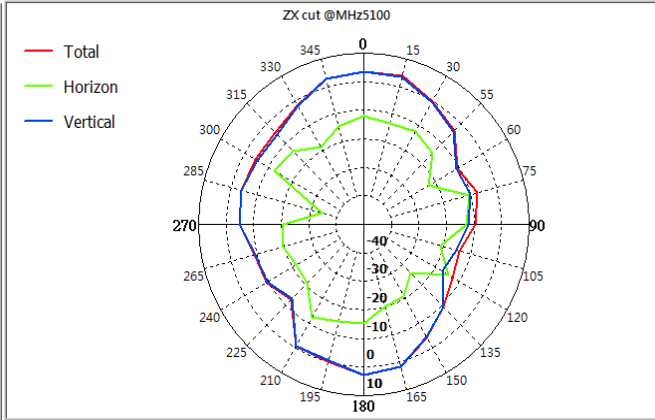
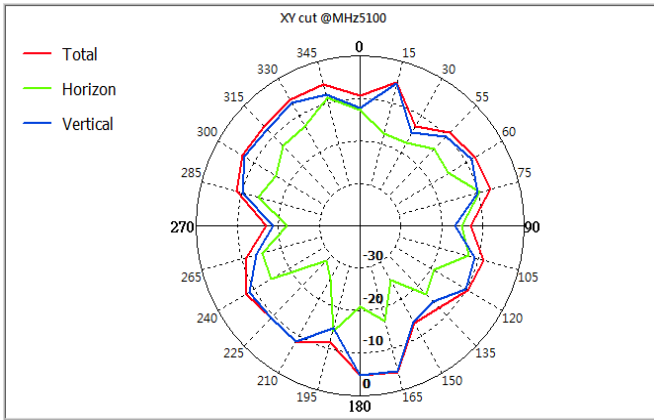


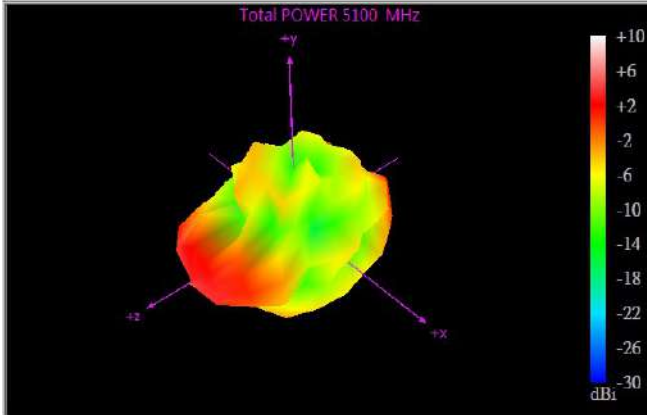
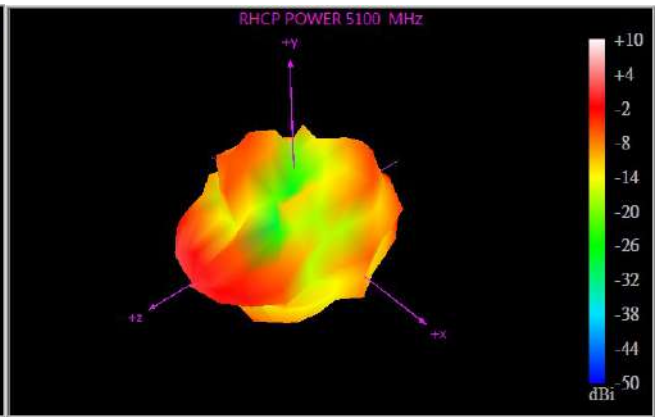
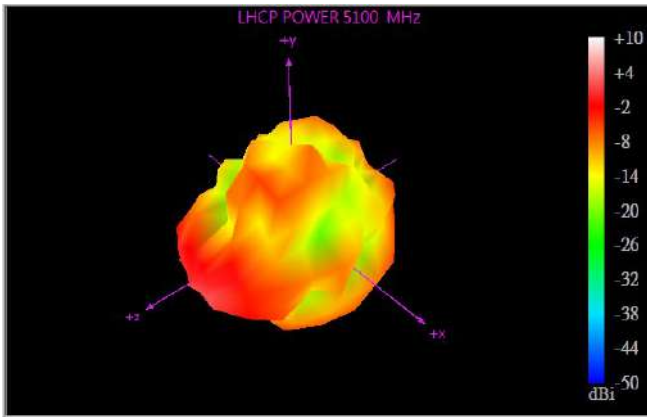
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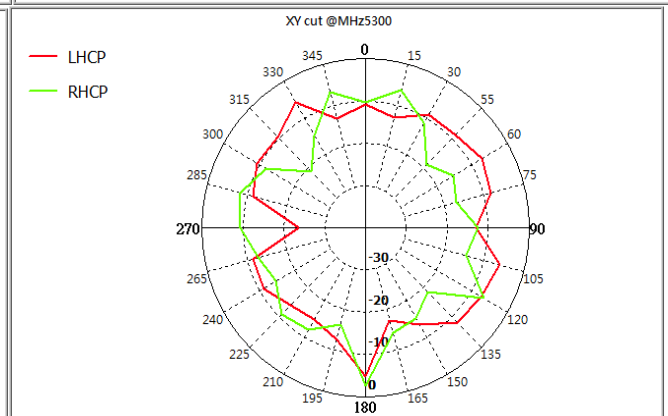
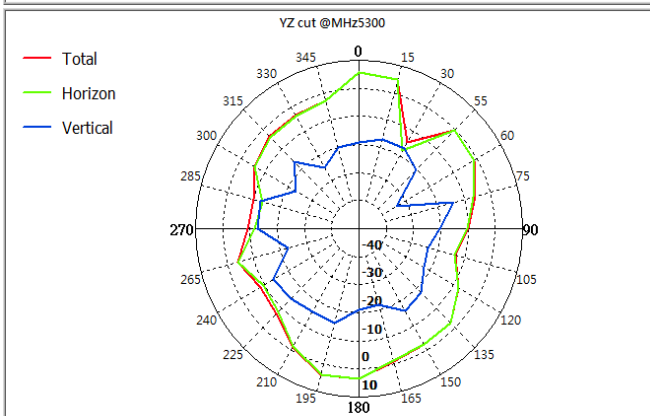
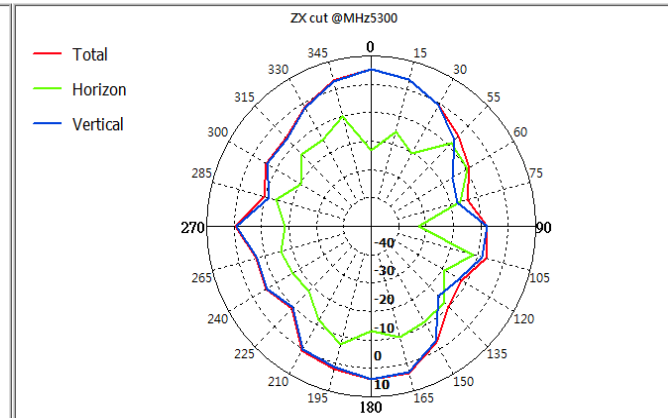
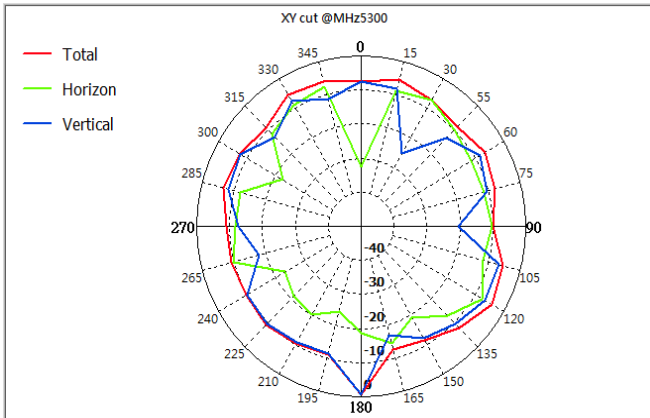


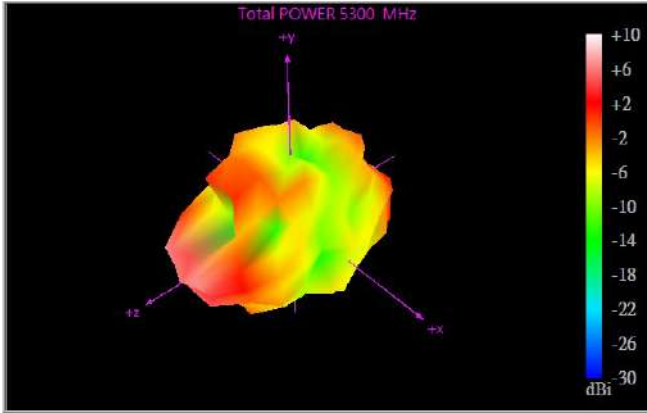
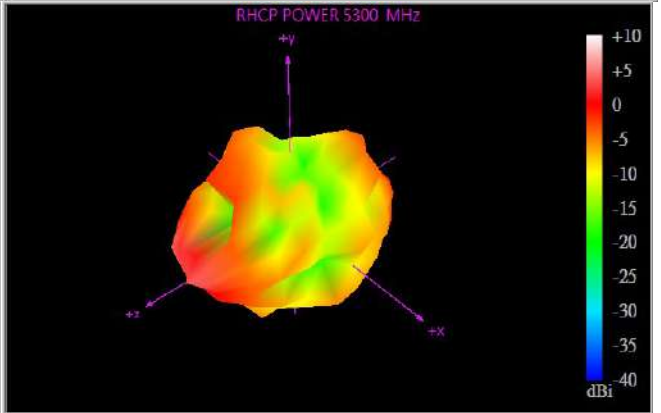
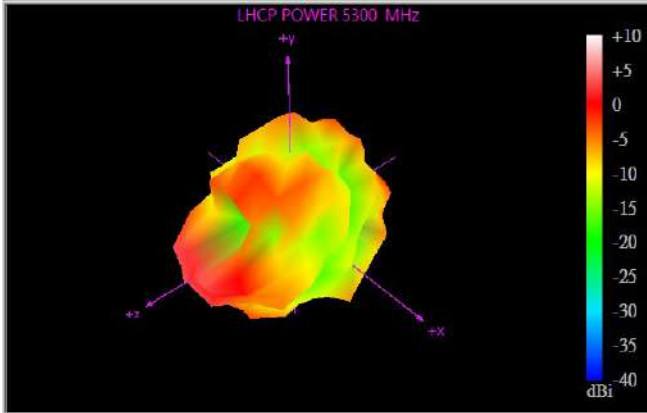
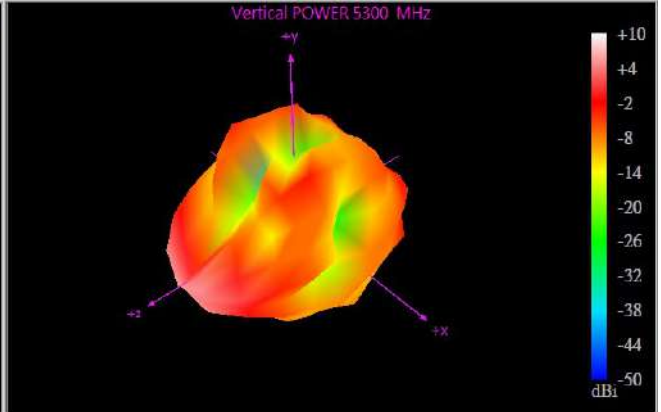
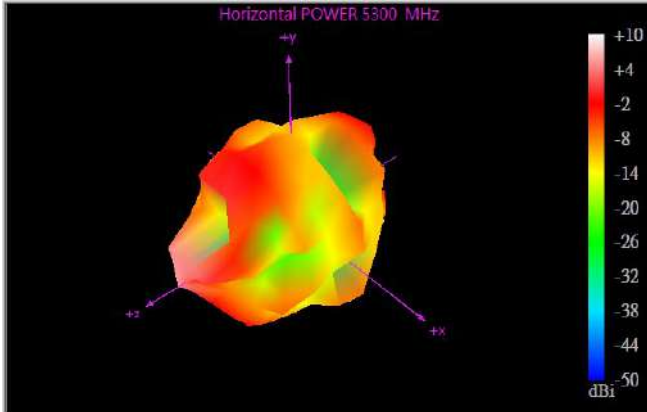
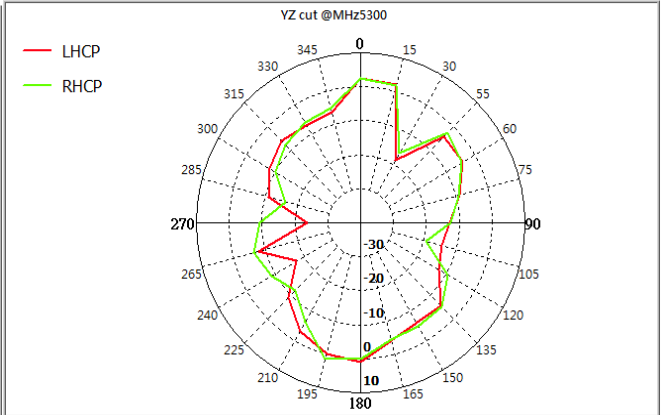
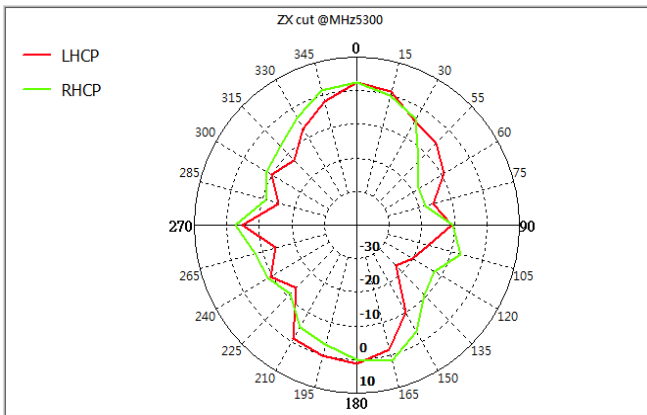
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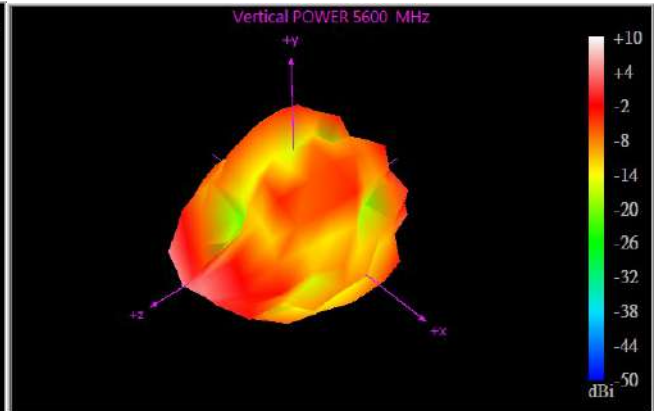
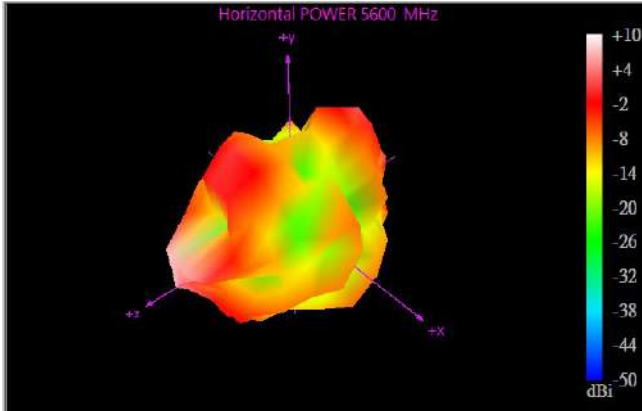
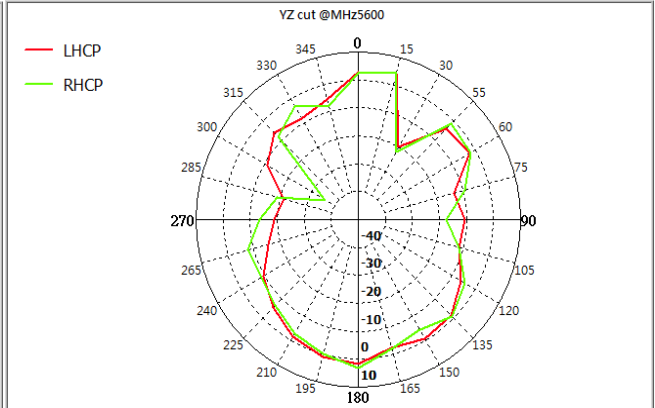
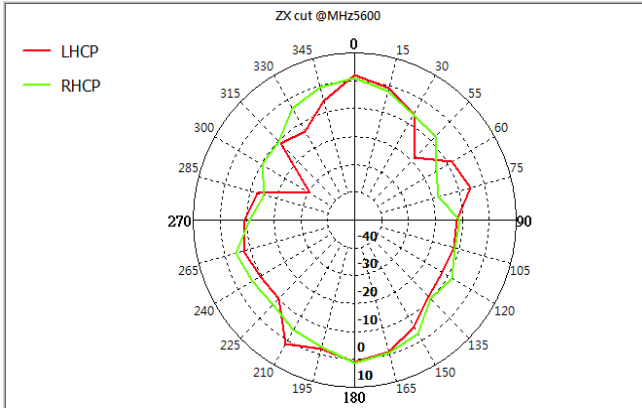
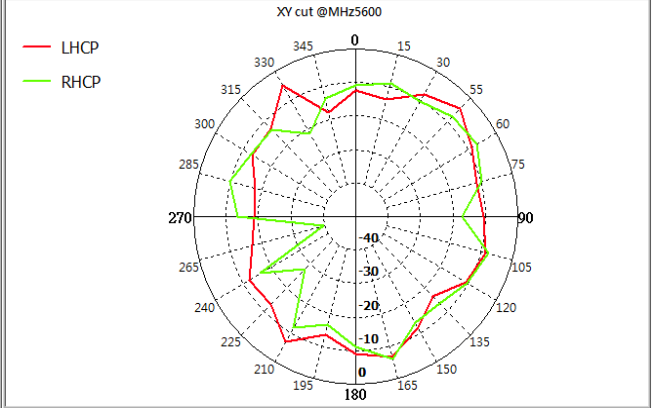
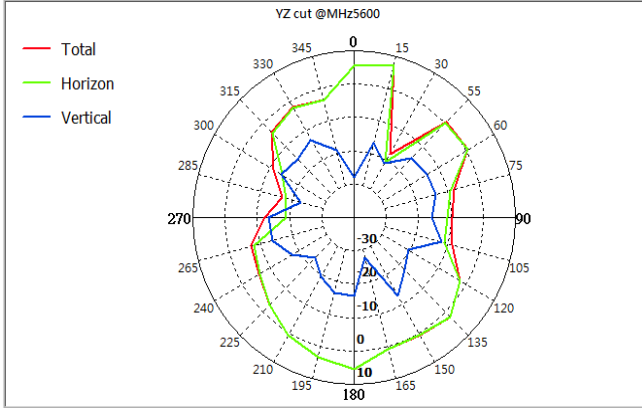
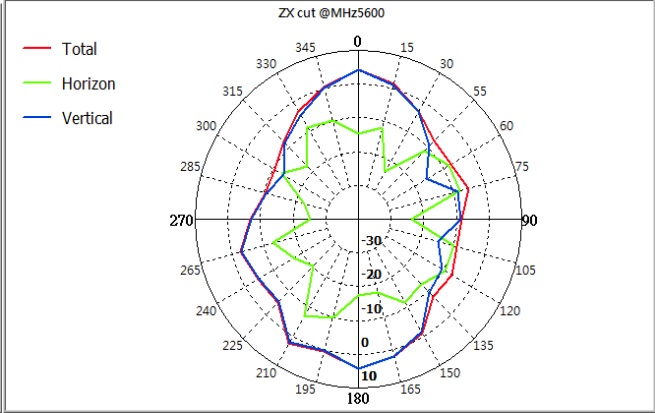
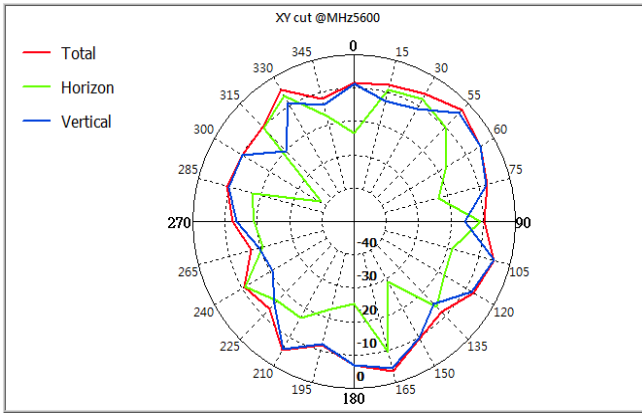


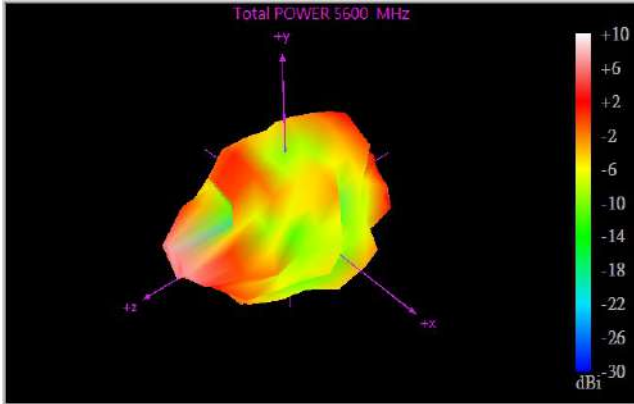
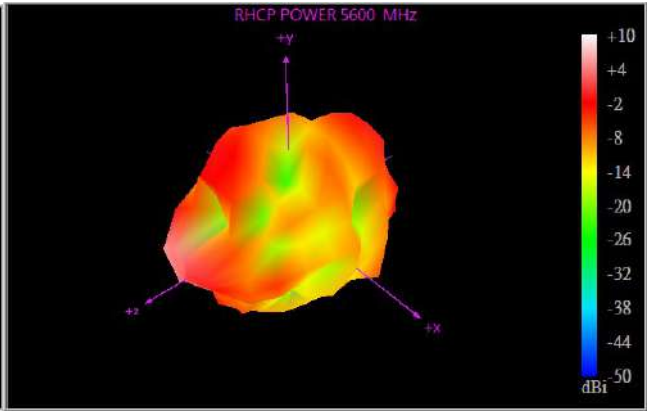
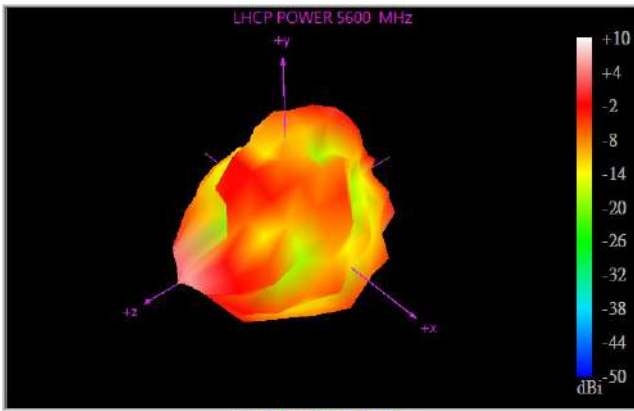
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5800Mhz:

