

2.4&5.8G 37x10 L120 CM1 Antenna

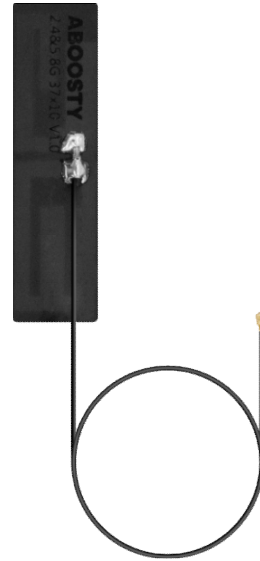
FEATURES & BENEFITS



- Welding RG 1.13 cable, Ipex connector, 3M sticker for easy installation.
- Mounting to: non-conductive surface
- Installation type: adhesive

APPLICATIONS

- IoT Devices
- Smart Cities
- Smart Agriculture
- Consumer Tracking
- Smart Metering
- Smart Agriculture



ORDER INFORMATION

Product Name	2.4&5.8G 37x10 L120 CM1 Antenna
Part Number	AIWF034
Dimensions	37.0 x 10.0mm
Weight	0.6 g
Color	Black
Mounting	adhesive
Antenna Cable	Default IPEX 1 RF 1.13 black coaxial cable (Ø 1.13 x 120 mm) , customizable.

REFERENCE GUIDE

Technical Features (MHz)	2400-2500	5100-5900
Max VSWR	2.0:1	
Max Efficiency	65.51%	
Peak Gain	3.34dBi	
Radiation Pattern	Omnidirectional	
Polarization	Linear	
Input Impedance	50 Ω	
Operating Temperature	-40°C to +85°C	
Storage Temperature	-40°C to +85°C	
Relative Humidity	10 to 70%	
Material Substance Compliance	ROHS And REACH Compliant	
Dimensions (L x W x H)	37.0 x 10.0mm	
All test data were obtained from testing conducted on 1.4mm thick polycarbonate (PC) plastic material; with an 120-mm-long RF 1.13 cable.Application data might vary.		

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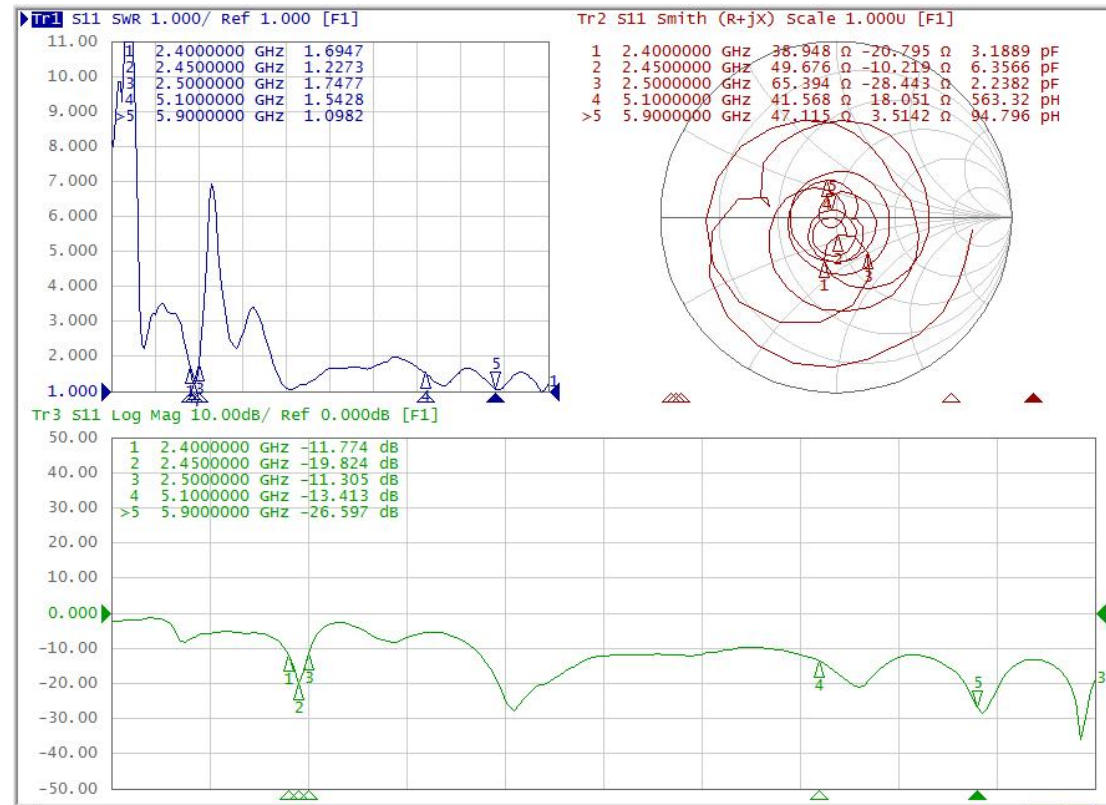
TEL: +86-0755-86503881 FAX: +86-0755-27801677 E-mail: nfc@myantenna.com

ELECTRICAL PERFORMANCE

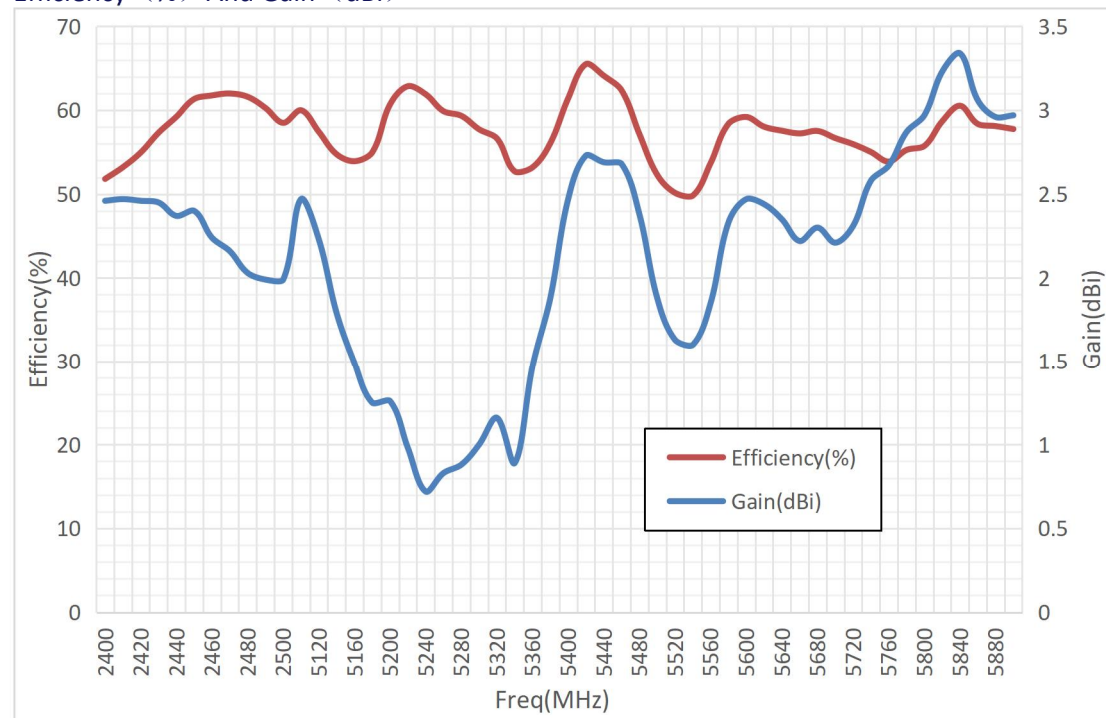
Note

All data displayed in the "ELECTRICAL PERFORMANCE" section were measured using a 120mm-long RF 1.13 cable mounted on 1.4mm thick polycarbonate (PC) plastic material.

Return Loss

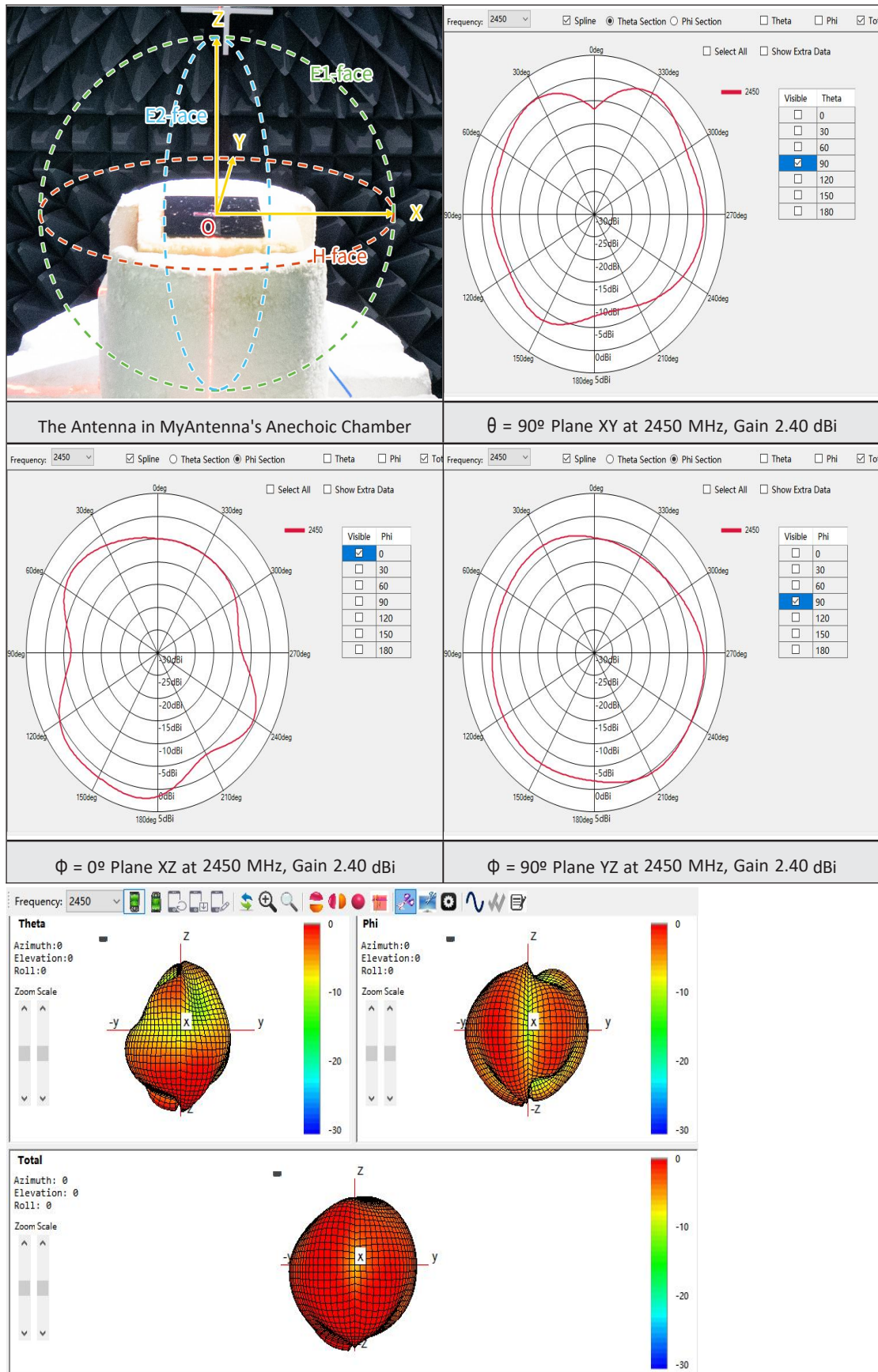


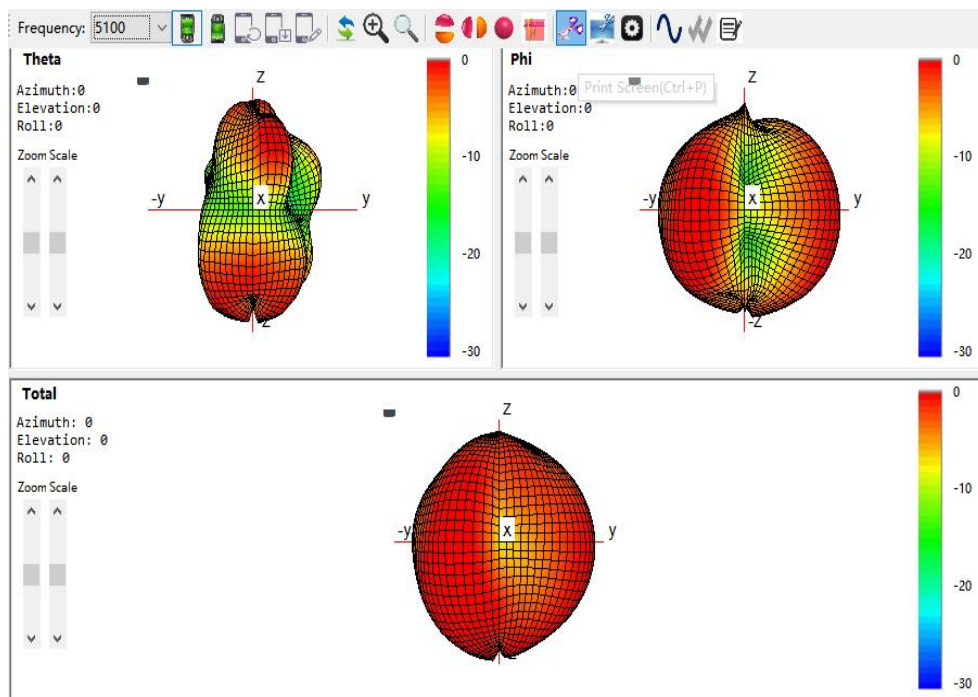
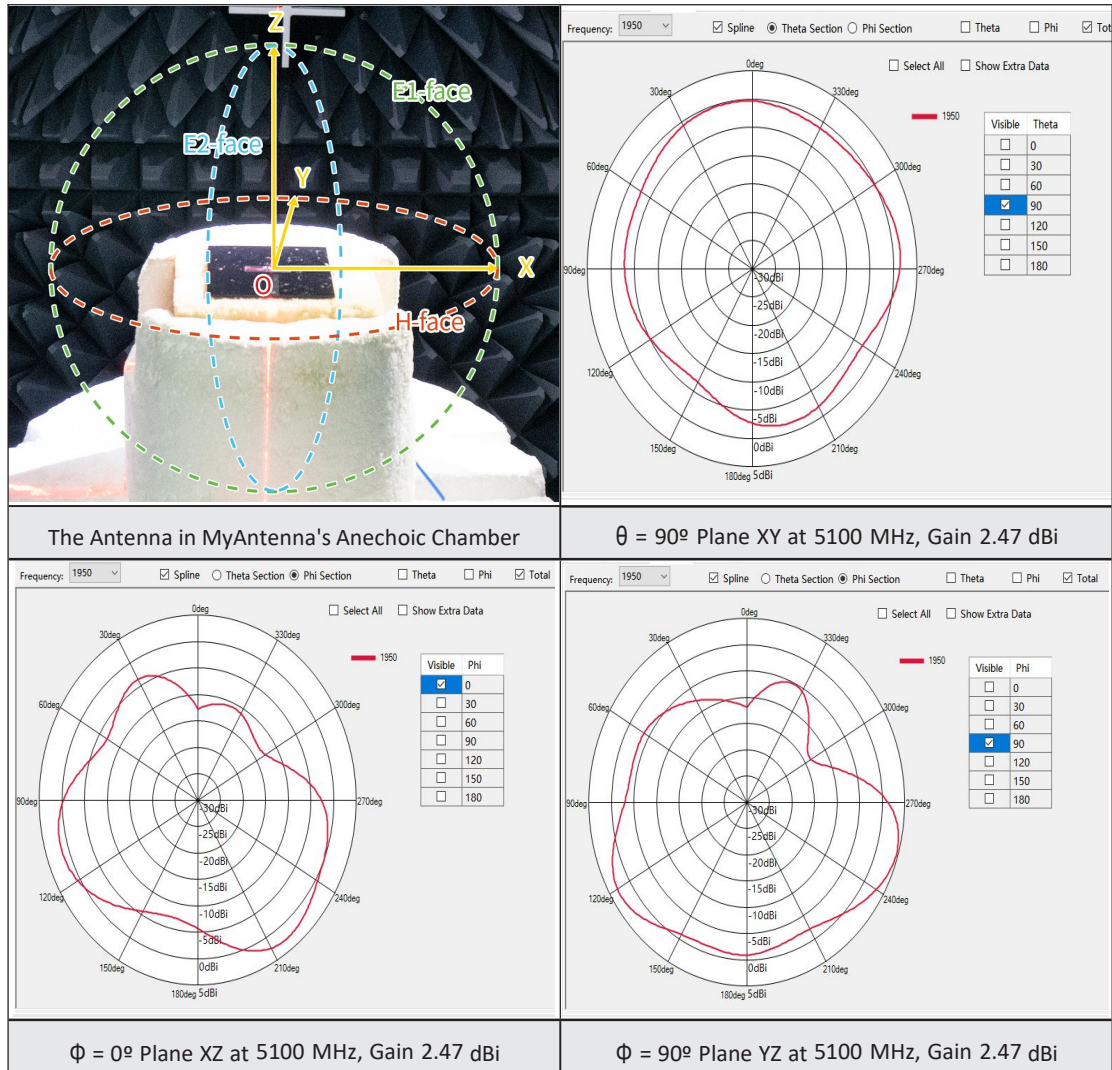
Efficiency (%) And Gain (dBi)

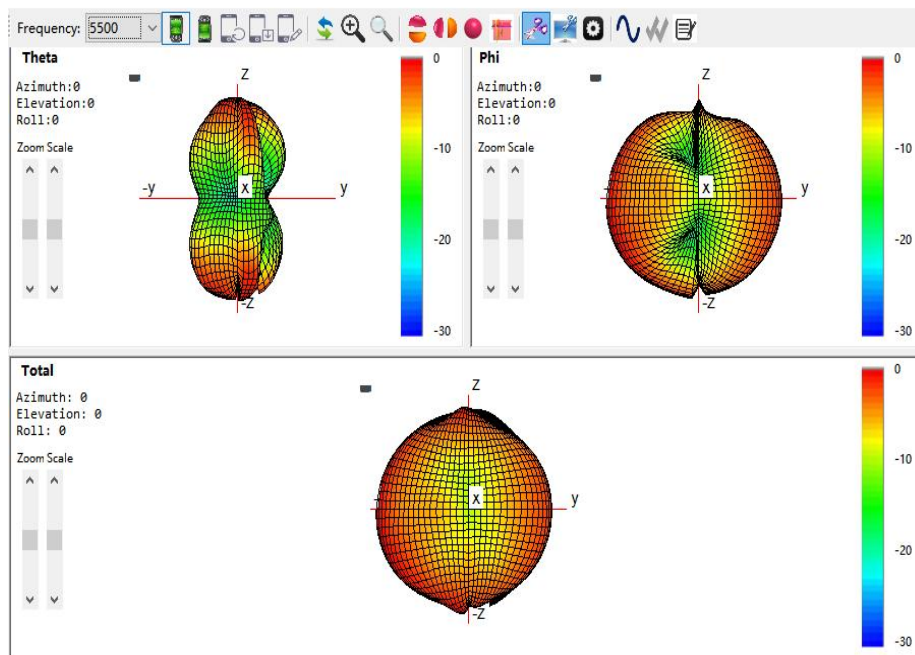
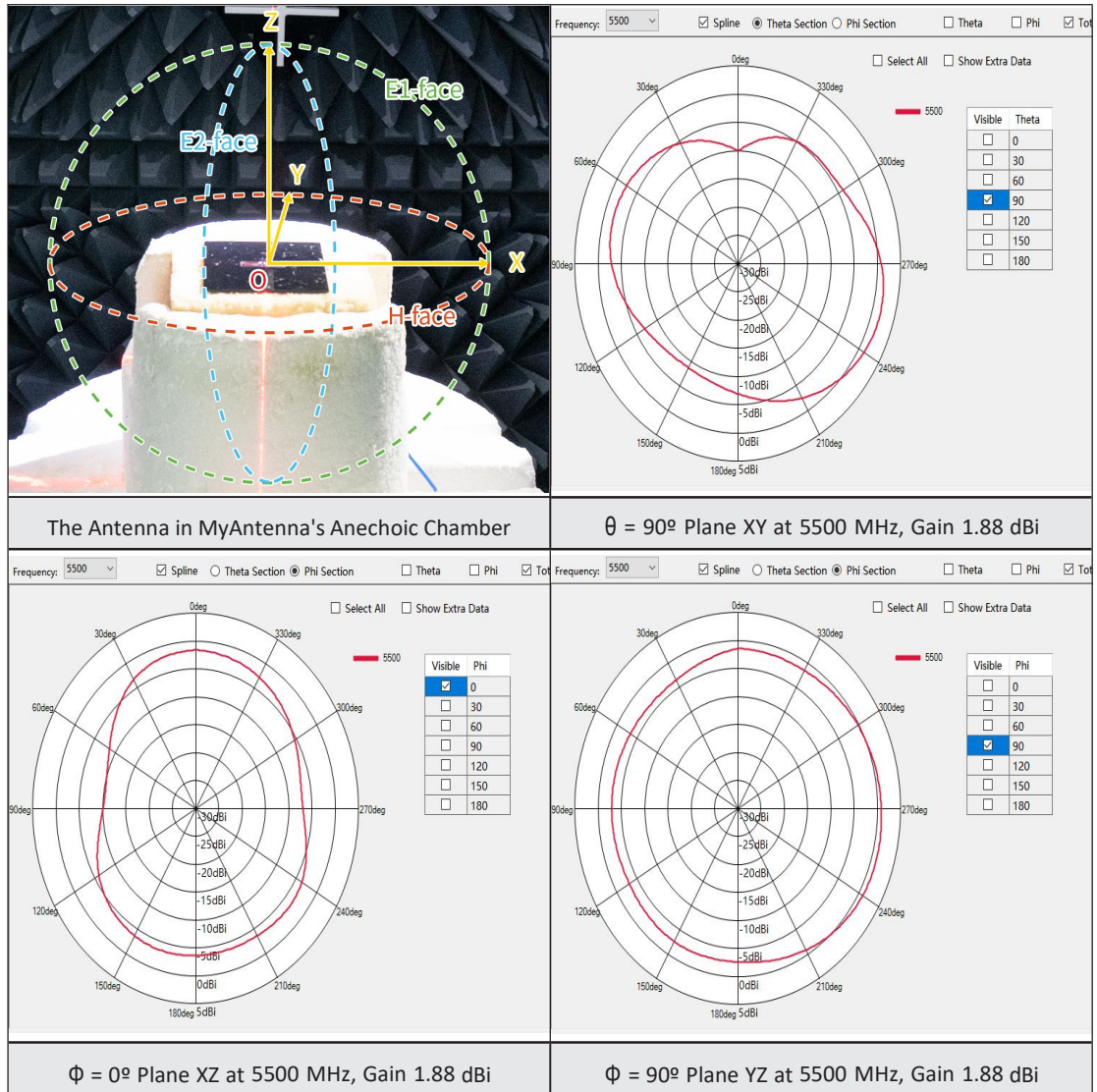


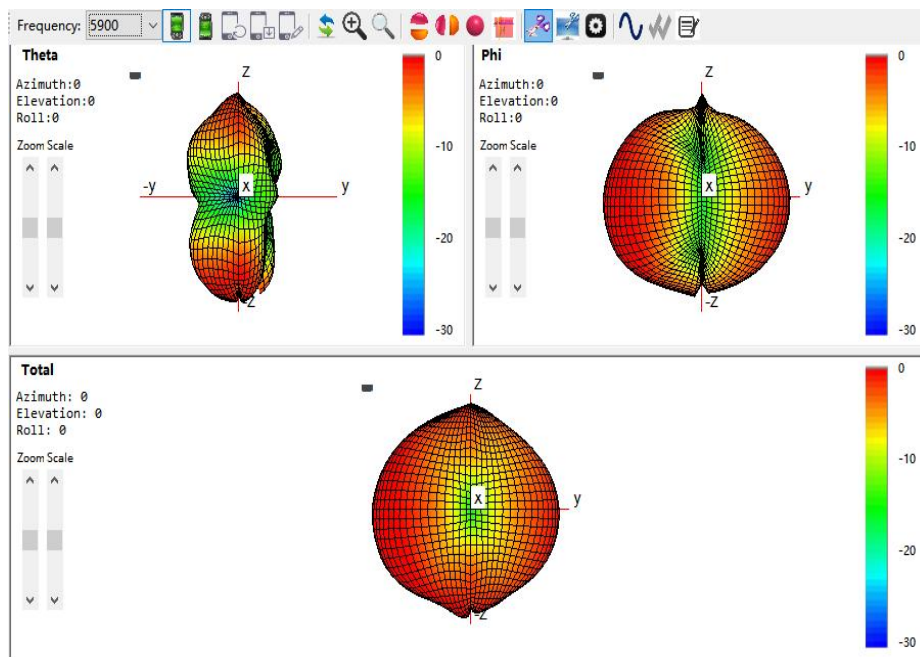
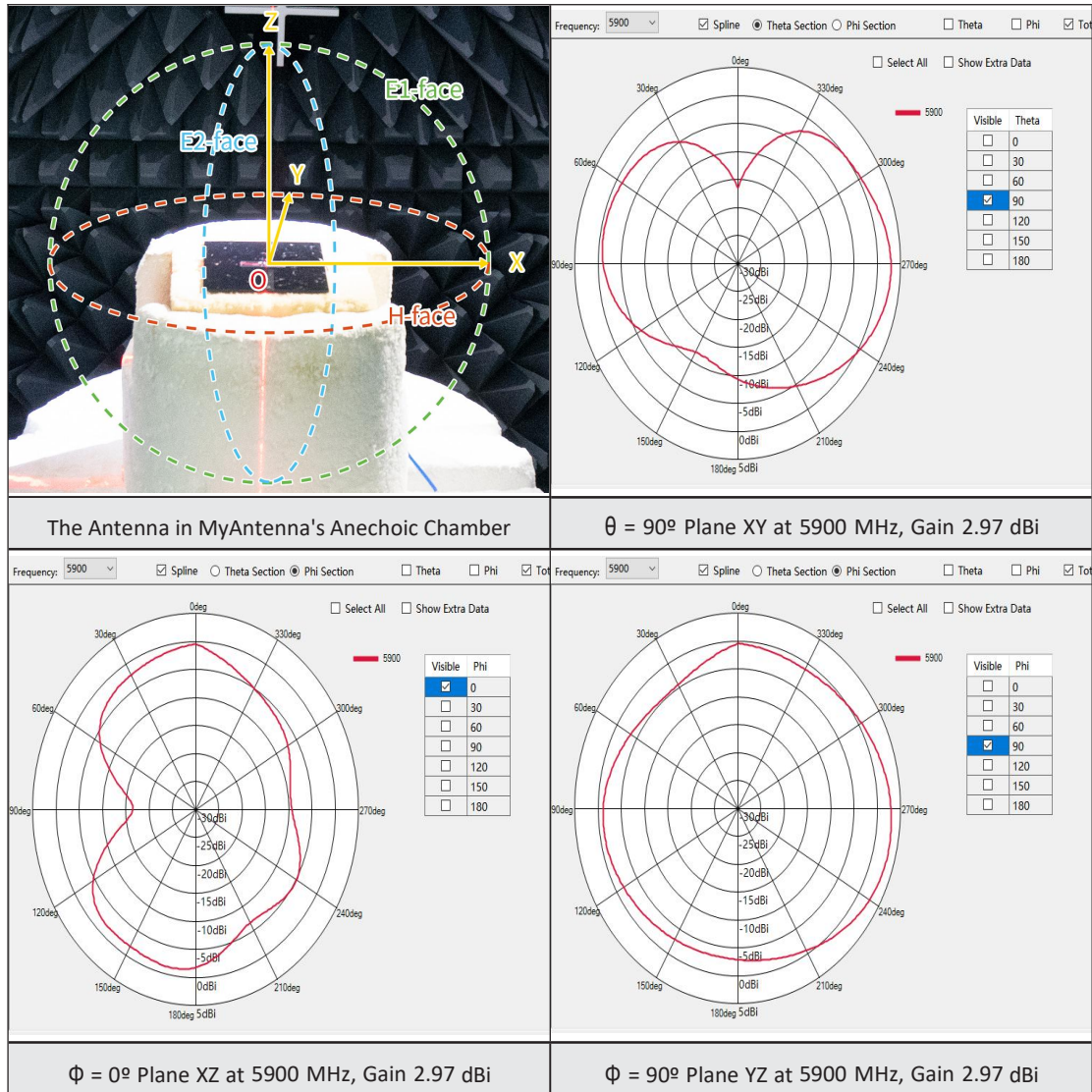
Freq(MHz)	Gain(dBi)	Efficiency(%)	Freq(MHz)	Gain(dBi)	Efficiency(%)
2400	2.46	51.81	5400	2.47	61.42
2410	2.47	53.21	5420	2.73	65.51
2420	2.46	54.96	5440	2.69	64.12
2430	2.45	57.32	5460	2.68	62.38
2440	2.37	59.22	5480	2.38	57.17
2450	2.40	61.34	5500	1.88	52.30
2460	2.24	61.77	5520	1.63	50.15
2470	2.16	62.00	5540	1.60	49.82
2480	2.03	61.61	5560	1.85	53.70
2490	1.99	60.28	5580	2.33	58.38
2500	1.99	58.50	5600	2.47	59.20
5100	2.47	60.00	5620	2.44	58.04
5120	2.23	57.43	5640	2.35	57.56
5140	1.79	54.75	5660	2.22	57.24
5160	1.49	53.92	5680	2.30	57.53
5180	1.25	54.98	5700	2.21	56.68
5200	1.26	60.70	5720	2.31	55.96
5220	0.98	62.87	5740	2.58	55.02
5240	0.72	61.91	5760	2.67	53.88
5260	0.83	59.89	5780	2.87	55.26
5280	0.88	59.34	5800	2.97	55.74
5300	1.00	57.73	5820	3.23	58.67
5320	1.16	56.64	5840	3.34	60.54
5340	0.89	52.71	5860	3.06	58.37
5360	1.47	53.19	5880	2.96	58.11
5380	1.88	56.08	5900	2.97	57.76

RADIATION PATTERNS









HOUSING CONFIGURATIONS

