

258F 37.0x15.38L173IPX4 Antenna

FEATURES 



- 3.39 dBi Peak Gain@2.4G
- 3.74 dBi Peak Gain@5.8G
- Welding RF 1.13 cable, Ipex connector, 3M sticker for easy installation.
- For smart device wireless, Zigbee, Bluetooth terminal
- Need Increase the Ground Plane Area

PRODUCTS

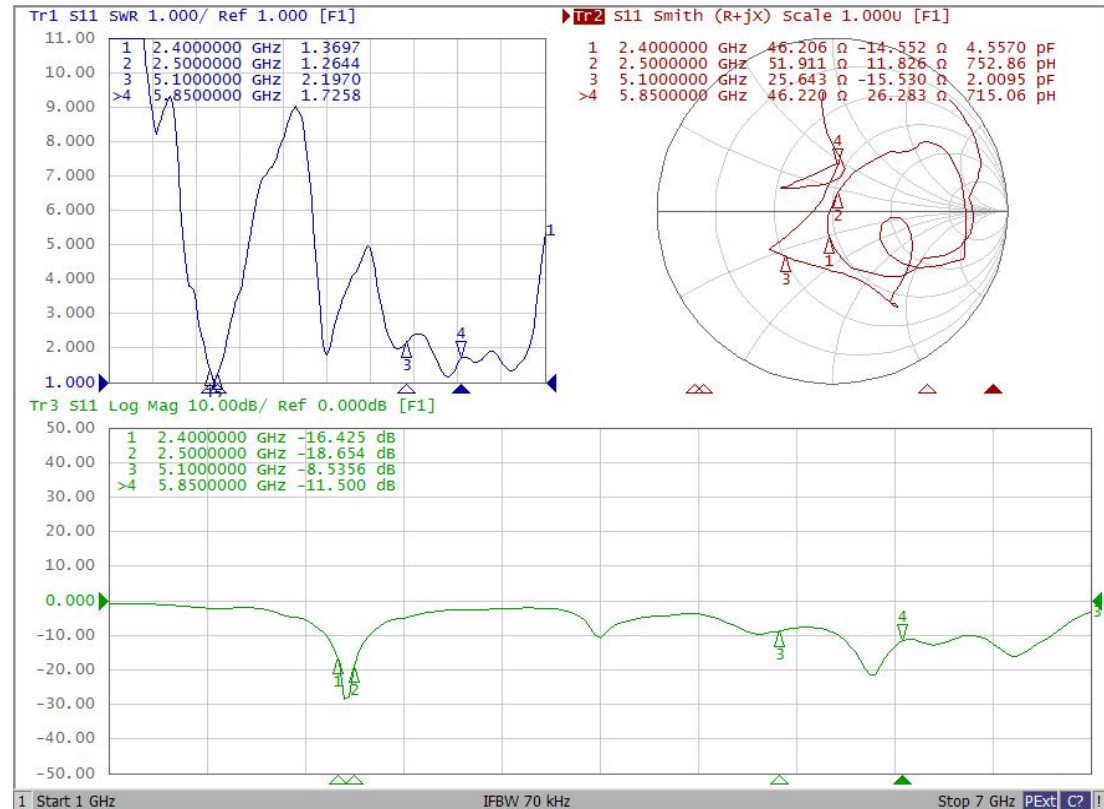
Part No.	Weight	Dimensions (L x WxH)	Cables Dimensions	Connector	Color
AIWF003		FPC:37.0*15.38*0.2 mm	Φ 1.13*173mm	IPEX 4	Black+Grey

SPECIFICATIONS

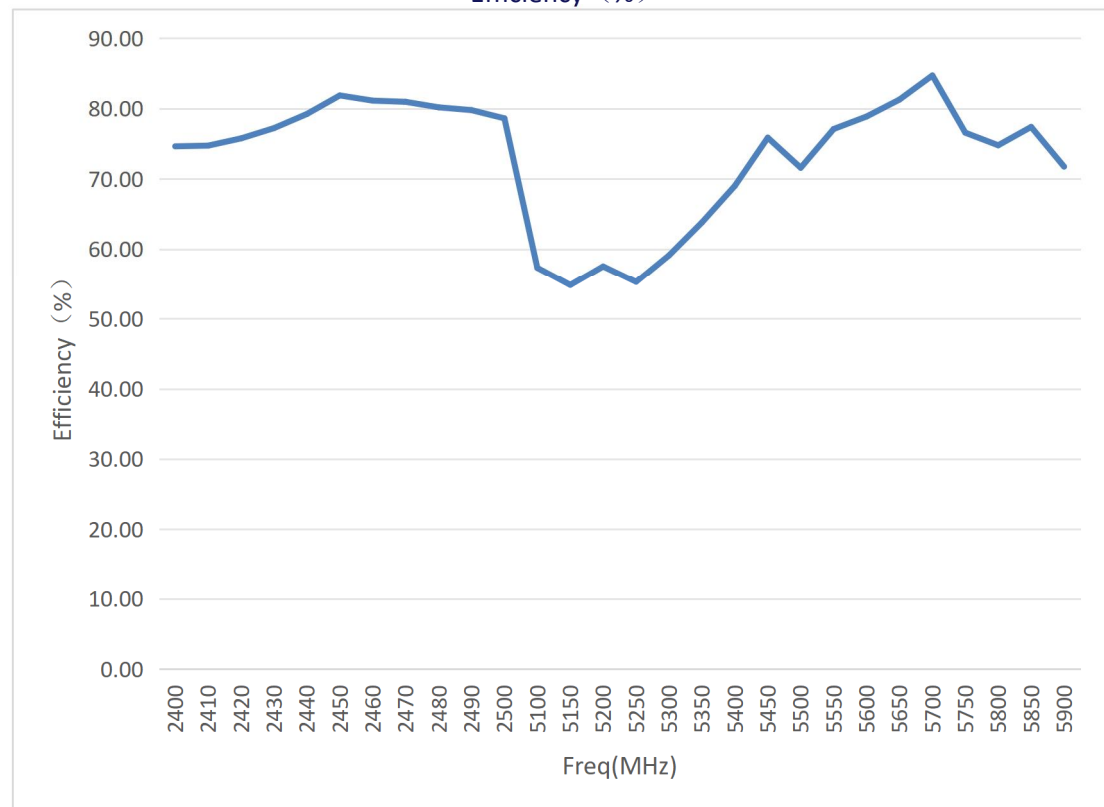
PARAMETER	SPECIFICATION	
Frequency Bands, MHz	2400-2500	5100-5900
VSWR (Max)	3.0:1	3.0:1
Peak Gain, dBi (Typ)	Up to 3.39 dBi@2.4G/Up to 3.74 dBi@5.8G	
Peak Efficiency,(%)	Up to 81.87%@2.4G/Up to 84.71%@5.8G	
Nominal Impedance	50 Ω	
Max Power (ambient temp of 25°C)	10 Watts	
Azimuth Beam Width (deg)	360°	
Polarization	Linear	
Color	Black	
Storage Temperature Range (°C)	-40° C to +85° C	
Operational Temperature Range (°C)	-40° C to +85° C	
Material Substance Compliance	REACH/Rohs Compliant	

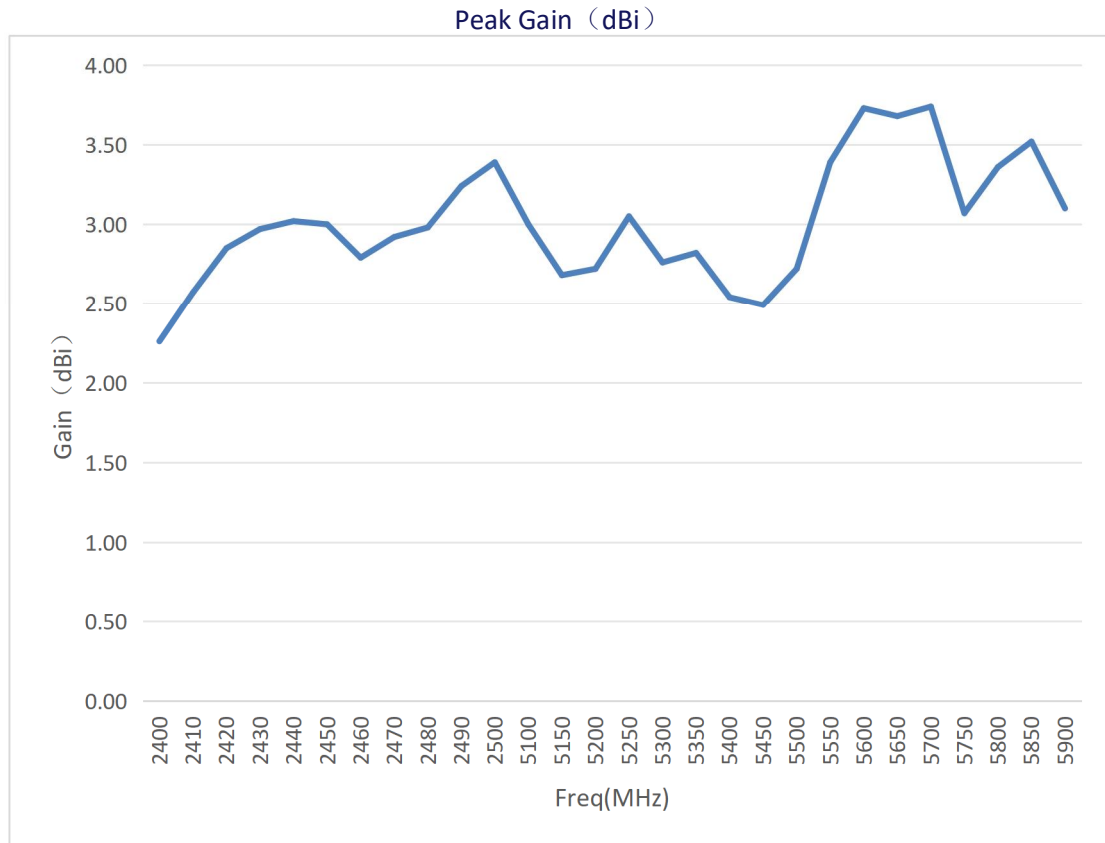
ELECTRICAL DATA

V.S.W.R



Efficiency (%)



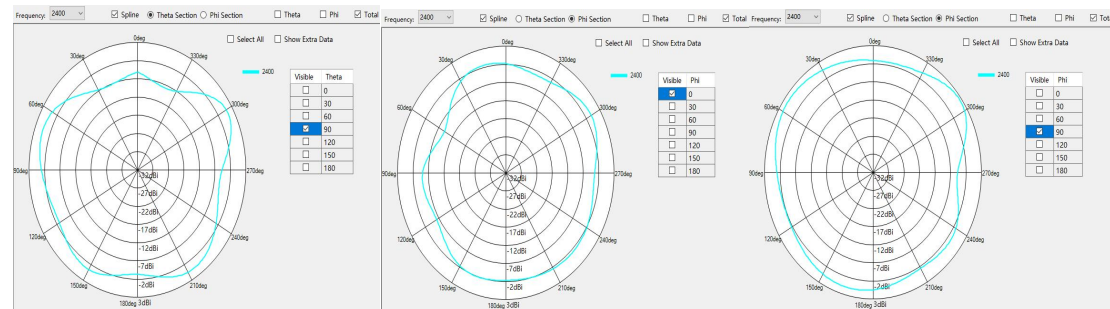


Data list

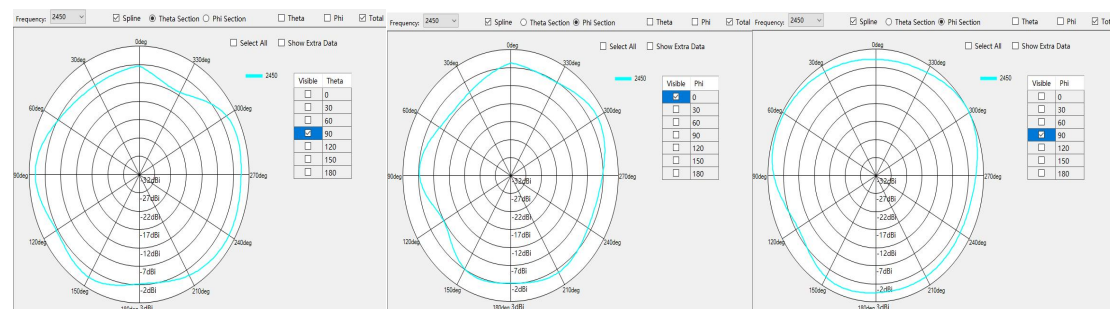
Freq(MHz)	Gain (dBi)	Efficiency (%)	Freq(MHz)	Gain (dBi)	Efficiency (%)
2400	2.26	74.63	5250	3.05	55.25
2410	2.57	74.73	5300	2.76	59.10
2420	2.85	75.76	5350	2.82	63.80
2430	2.97	77.22	5400	2.54	69.01
2440	3.02	79.23	5450	2.49	75.86
2450	3.00	81.87	5500	2.72	71.58
2460	2.79	81.13	5550	3.39	77.09
2470	2.92	80.96	5600	3.73	78.87
2480	2.98	80.18	5650	3.68	81.28
2490	3.24	79.78	5700	3.74	84.71
2500	3.39	78.61	5750	3.07	76.57
5100	3.00	57.31	5800	3.36	74.78
5150	2.68	54.80	5850	3.52	77.39
5200	2.72	57.51	5900	3.10	71.74

RADIATION PATTERNS

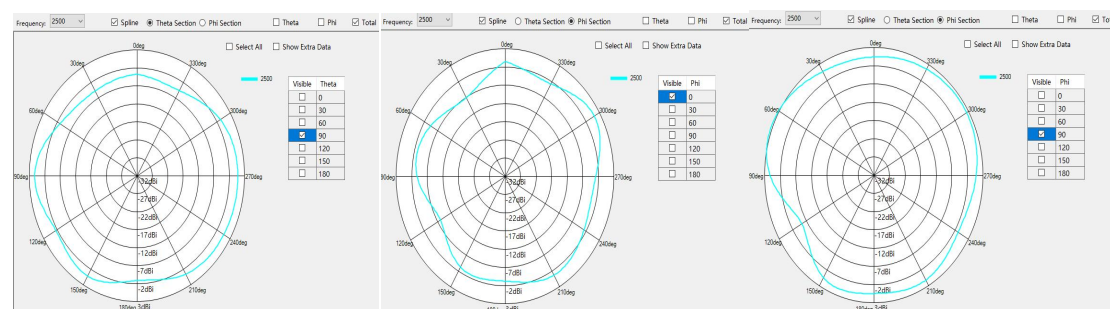
2D Radiation Pattern at 2400MHz Gain=2.26dBi



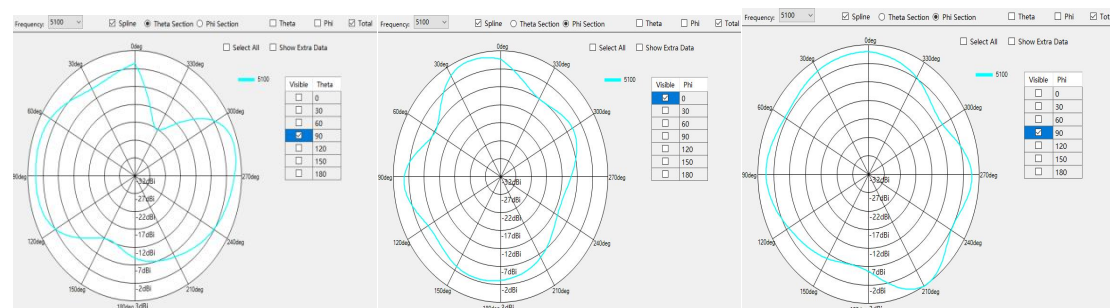
2D Radiation Pattern at 2450MHz Gain=3.0dBi



2D Radiation Pattern at 2500MHz Gain=3.39dBi



2D Radiation Pattern at 5100MHz Gain=3.0dBi

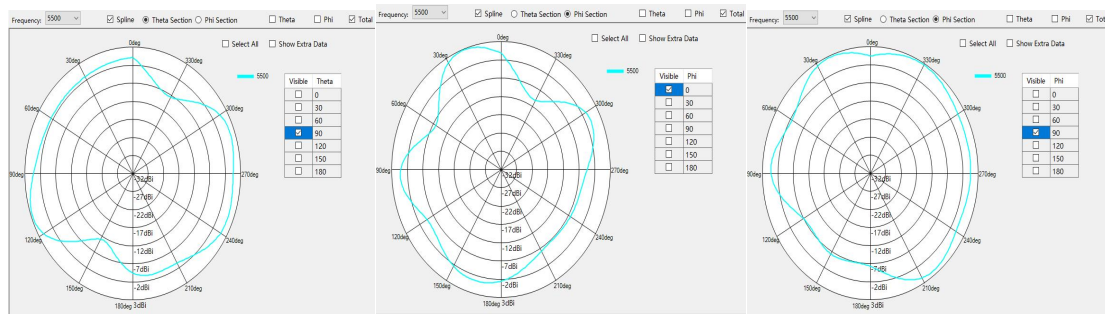


MyAntenna RF Technology Co., Ltd

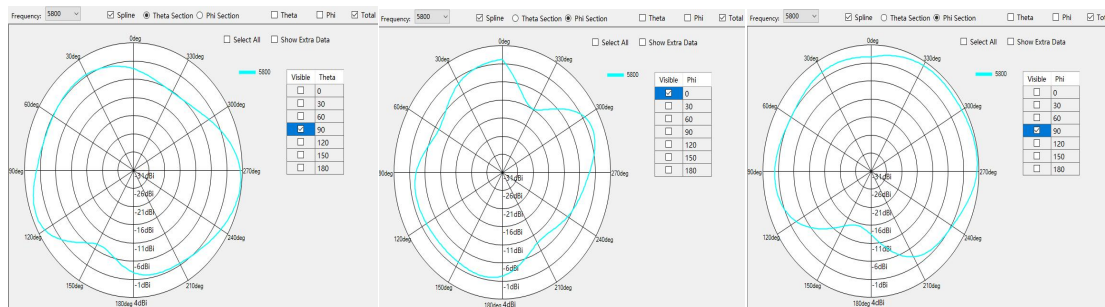
ADD: Room 410, Building A, Fenghuang Zhigu, No. 50 Tiezi Road, Gongle Community, Xixiang Street, Baoan District, Shenzhen

TEL: +86-0755-86503881 E-mail: nfc@imyantenna.com

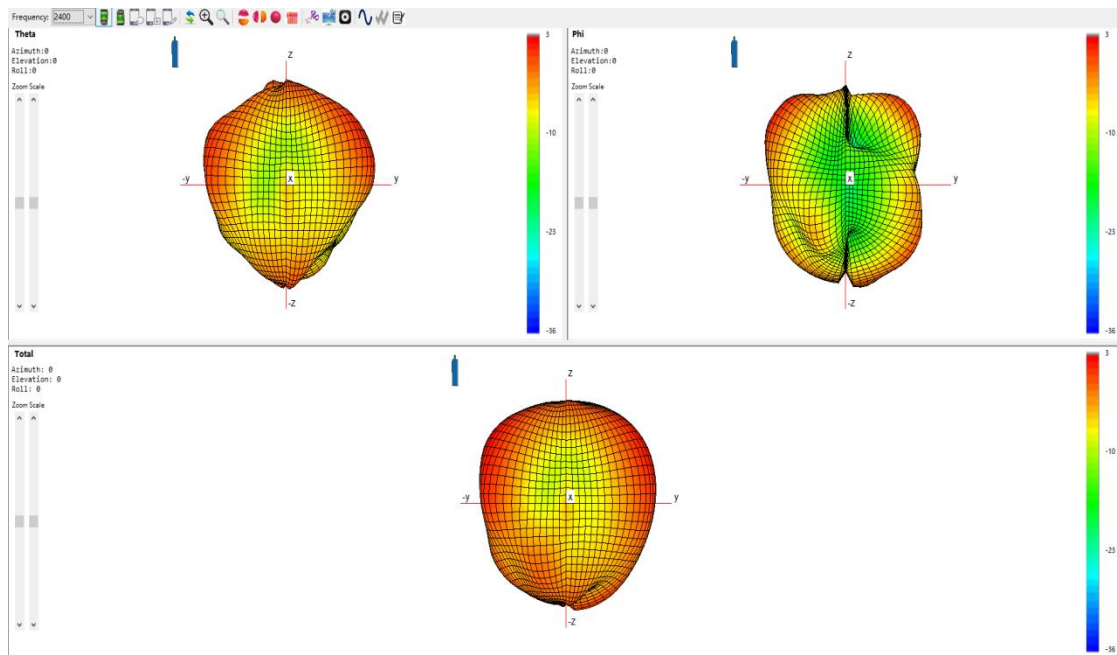
2D Radiation Pattern at 5500MHz Gain=2.72dBi



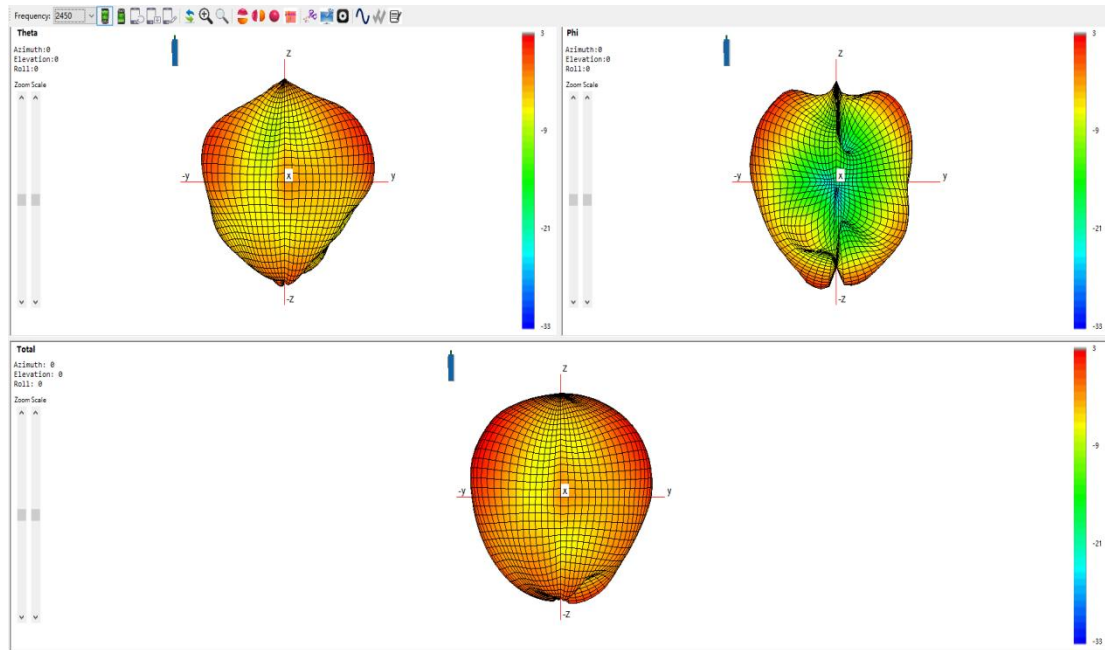
2D Radiation Pattern at 5800MHz Gain=3.36dBi



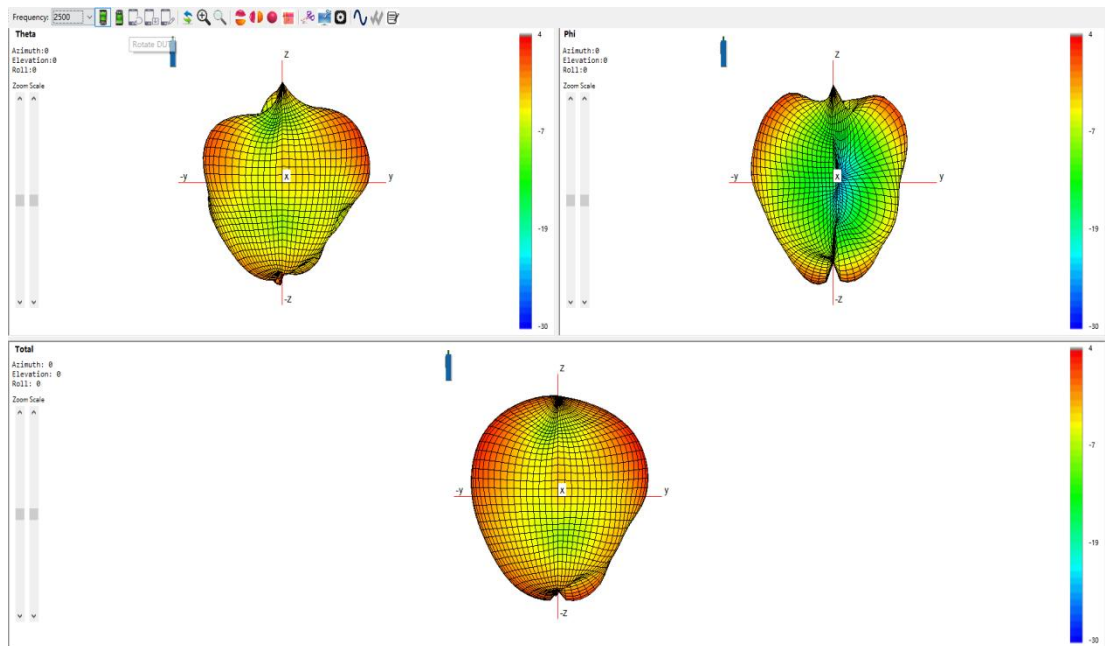
3D Radiation Pattern at 2400MHz Gain=2.26dBi



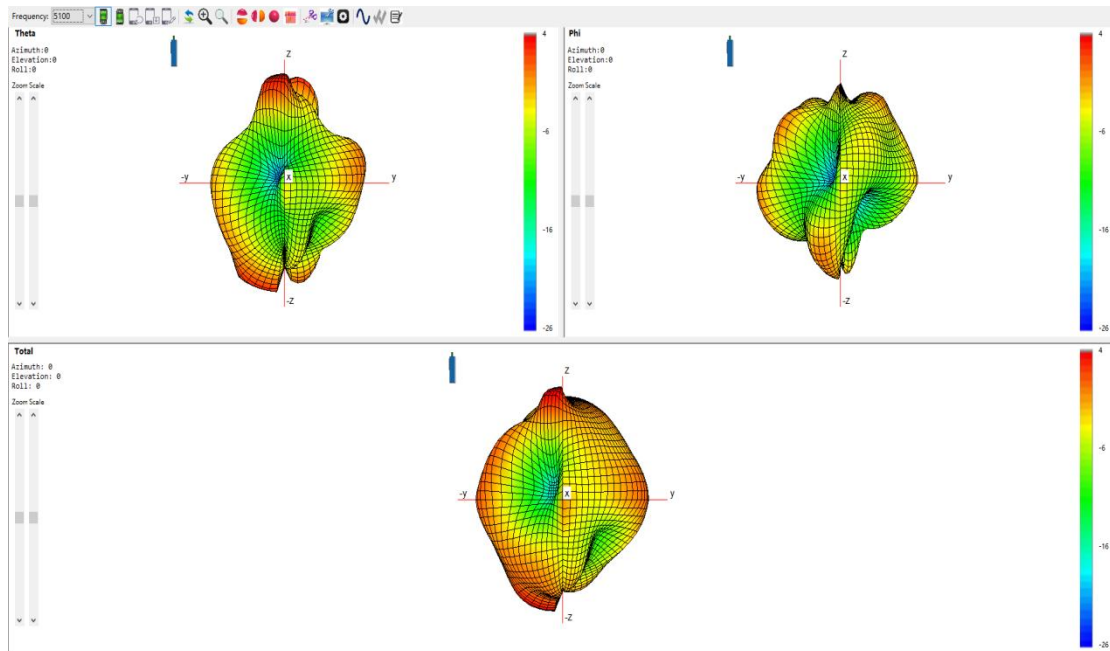
3D Radiation Pattern at 2450MHz Gain=3.0dBi



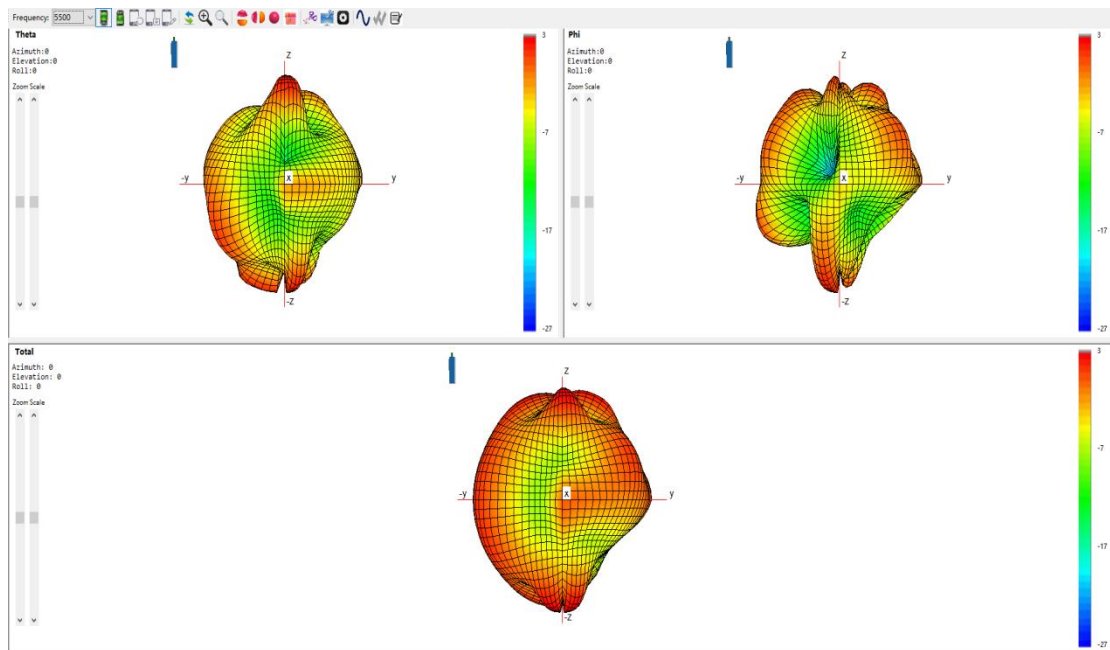
3D Radiation Pattern at 2500MHz Gain=3.39dBi



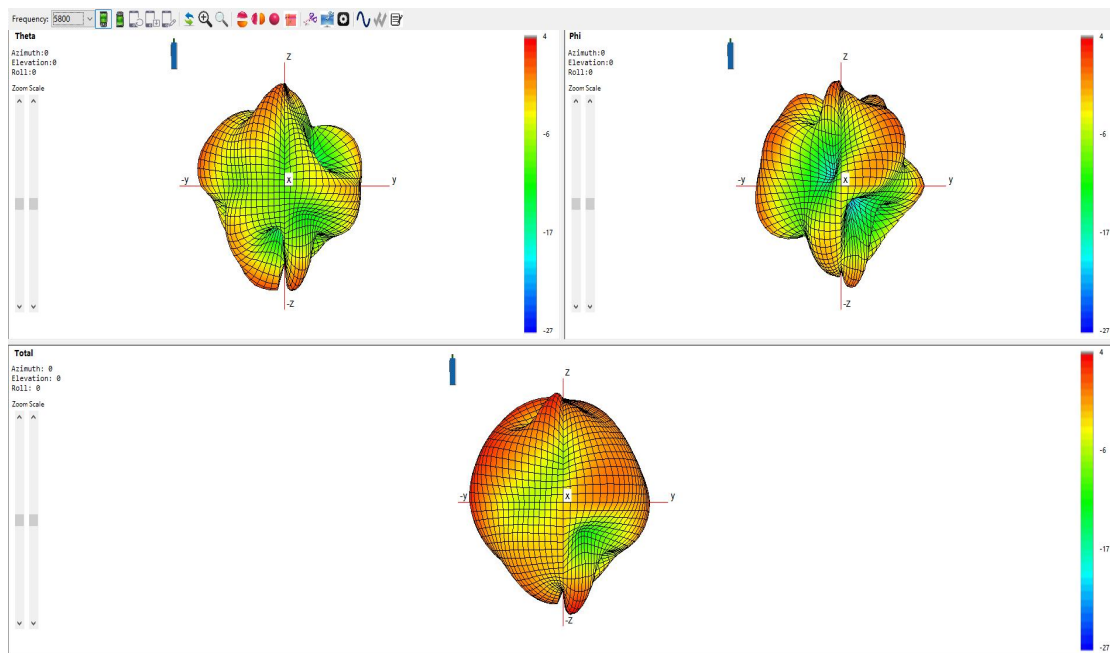
3D Radiation Pattern at 5100MHz Gain=3.0dBi



3D Radiation Pattern at 5500MHz Gain=2.72dBi



3D Radiation Pattern at 5800MHz Gain=2.18dBi



HOUSING CONFIGURATIONS

