

258F 37.3x21.8L90IPEX4 Antenna

FEATURES



- 2.29 dBi Peak Gain@2.4G
- 4.50 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
AIWF010		FPC:37.3*21.8*0.2 mm	Φ 1.13*90mm	IPEX4	Black

SPECIFICATIONS

PARAMETER	SPECIFICATION	
Frequency Bands, MHz	2400-2500	5100-5900
VSWR (Max)	4.0:1	3.0:1
Peak Gain, dBi (Typ)	Up to 2.29 dBi@2.4G/Up to 4.50 dBi@5.8G	
Peak Efficiency,(%)	Up to 54.06%@2.4G/Up to 75.97%@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	

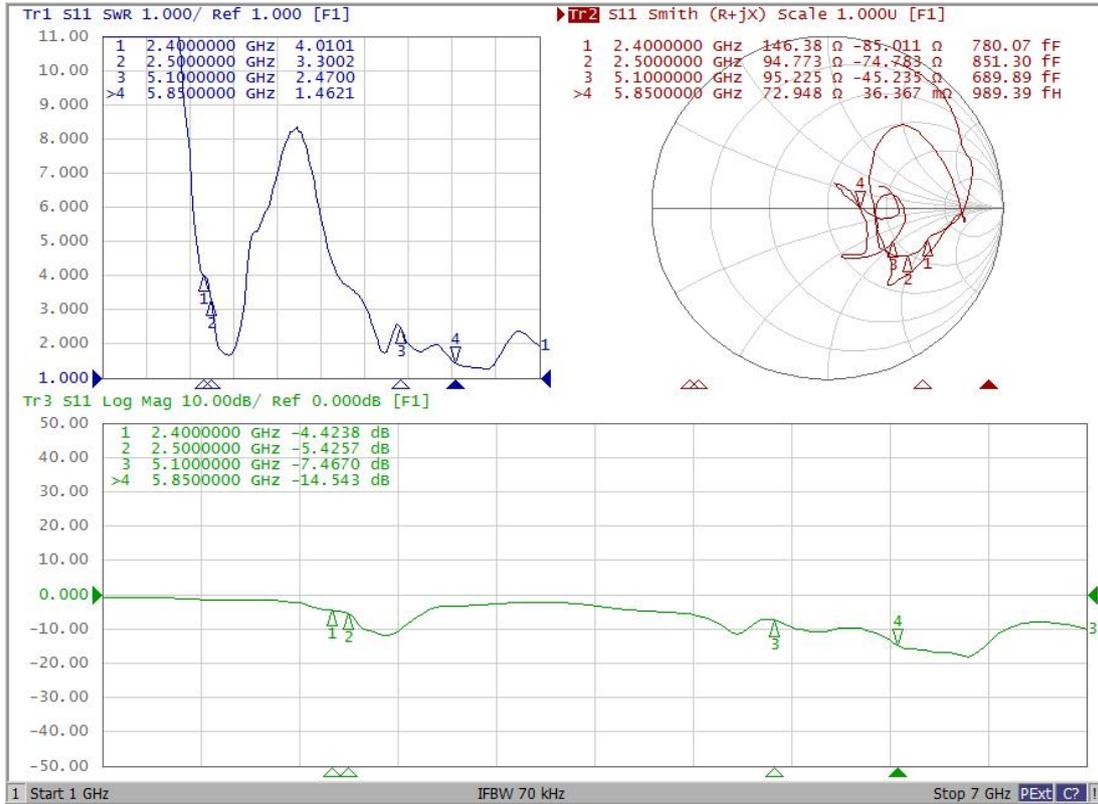
MyAntenna RF Technology Co., Ltd

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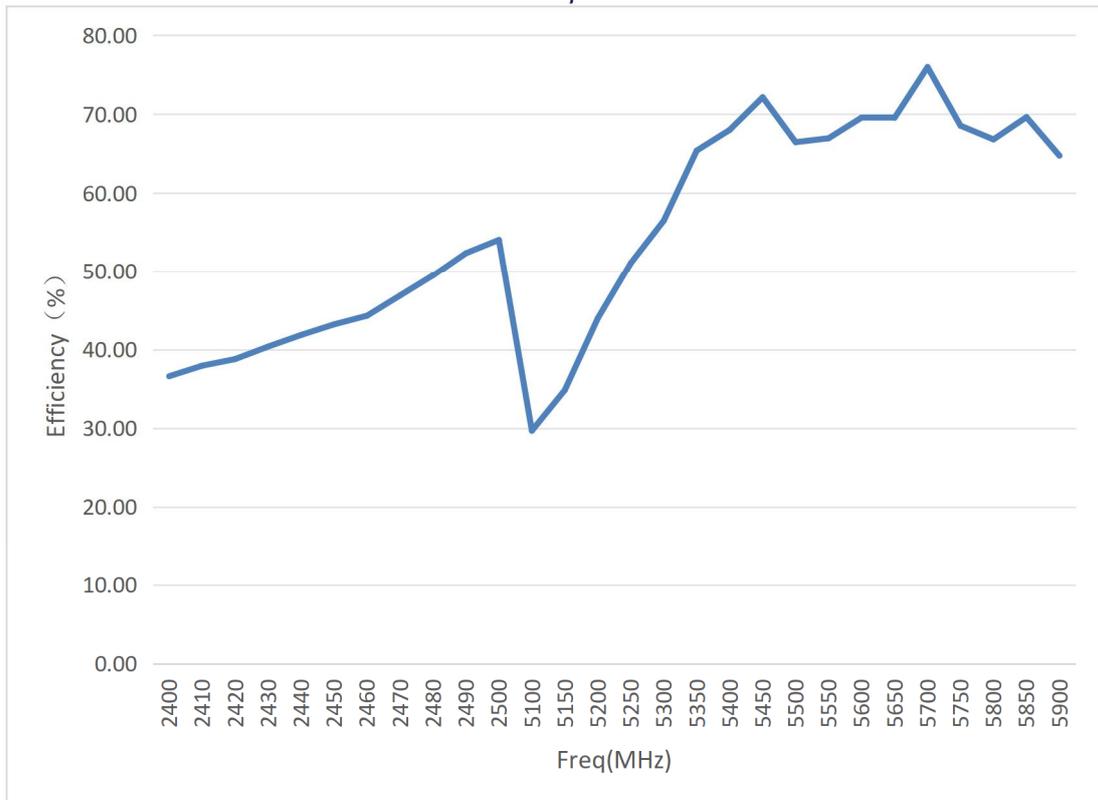
TEL: +86-0755-86503881 E-mail: nfc@imyantenna.com

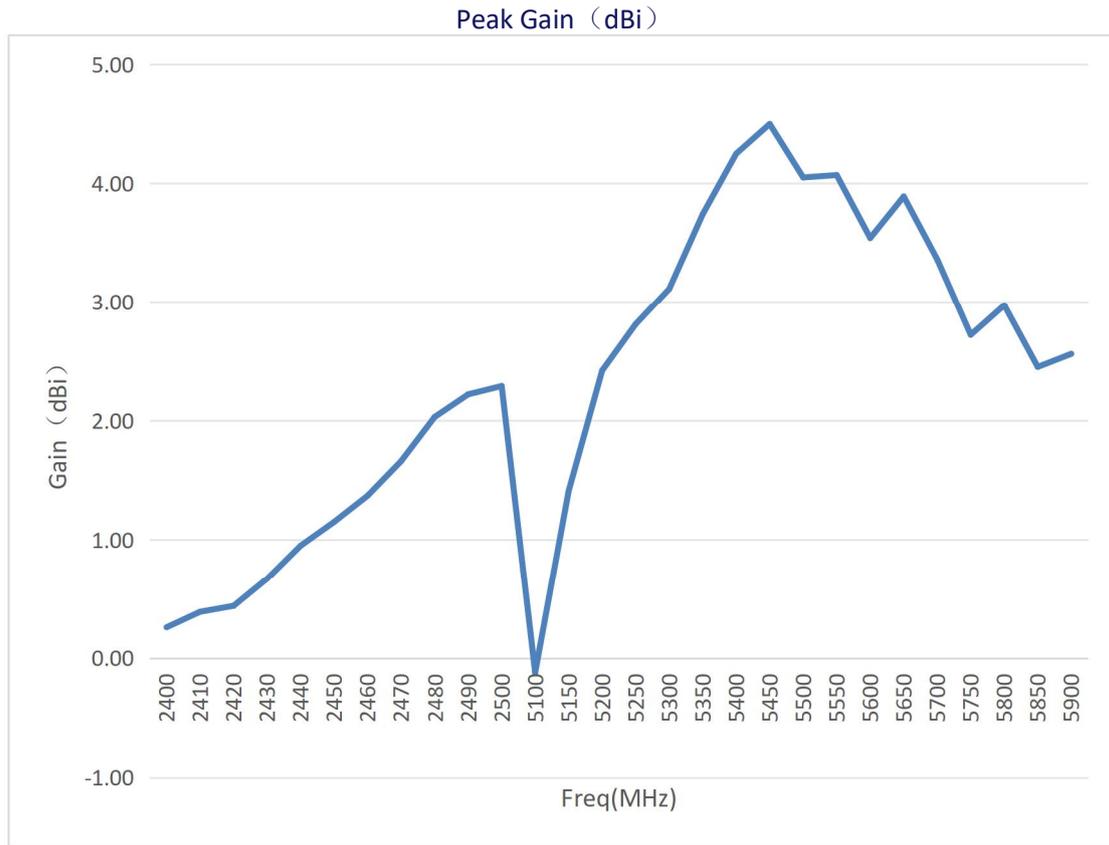
ELECTRICAL DATA

V.S.W.R



Efficiency (%)



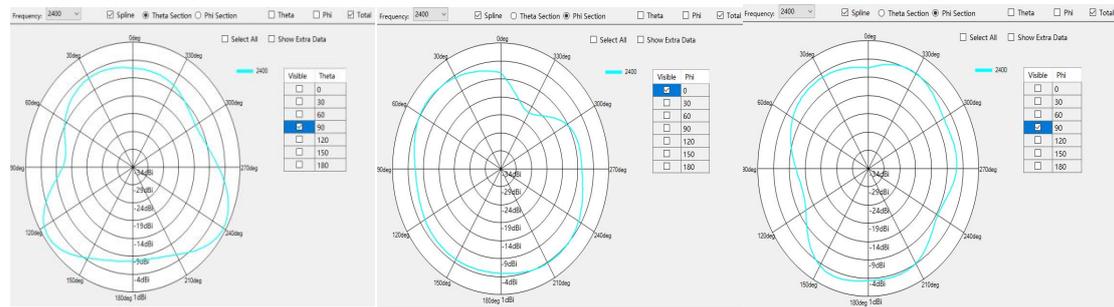


Data list

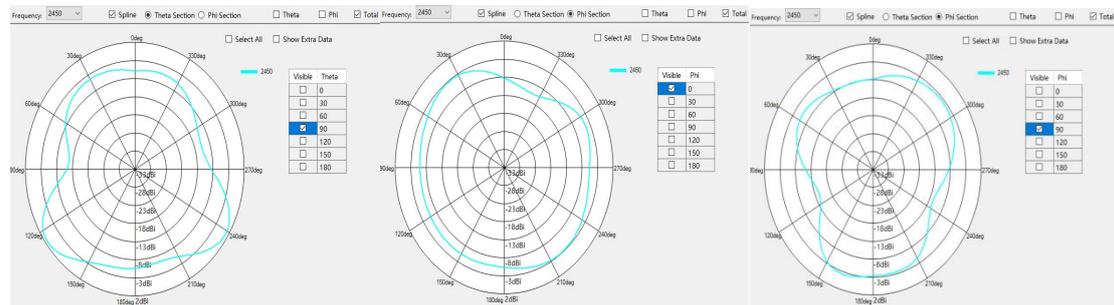
Freq(MHz)	Gain (dBi)	Efficiency (%)	Freq(MHz)	Gain (dBi)	Efficiency (%)
2400	0.26	36.62	5250	2.81	51.10
2410	0.39	37.96	5300	3.11	56.50
2420	0.44	38.80	5350	3.74	65.39
2430	0.67	40.39	5400	4.25	68.01
2440	0.95	41.87	5450	4.50	72.15
2450	1.15	43.22	5500	4.05	66.45
2460	1.37	44.32	5550	4.07	66.95
2470	1.66	46.90	5600	3.54	69.57
2480	2.03	49.48	5650	3.89	69.54
2490	2.22	52.36	5700	3.36	75.97
2500	2.29	54.06	5750	2.72	68.54
5100	-0.12	29.69	5800	2.97	66.80
5150	1.41	34.87	5850	2.45	69.63
5200	2.42	44.00	5900	2.56	64.74

RADIATION PATTERNS

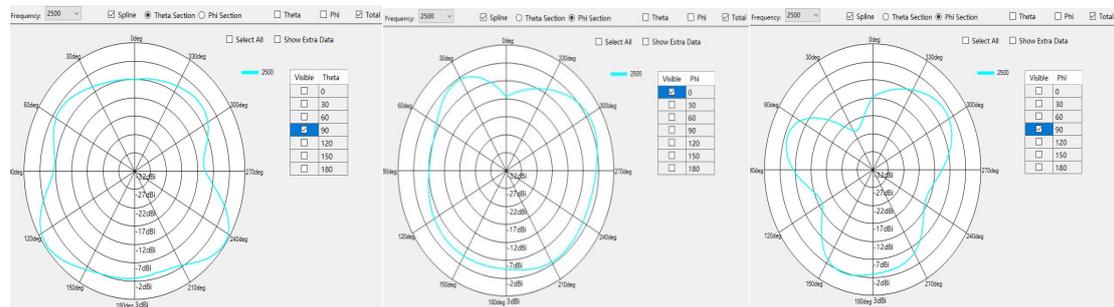
2D Radiation Pattern at 2400MHz Gain=0.26dBi



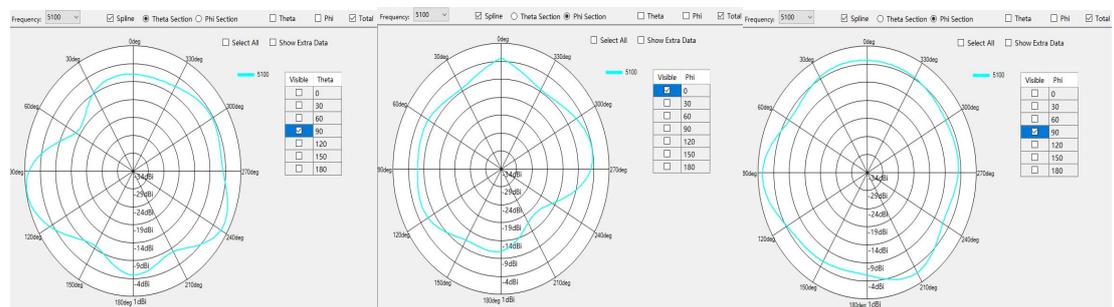
2D Radiation Pattern at 2450MHz Gain=1.15dBi



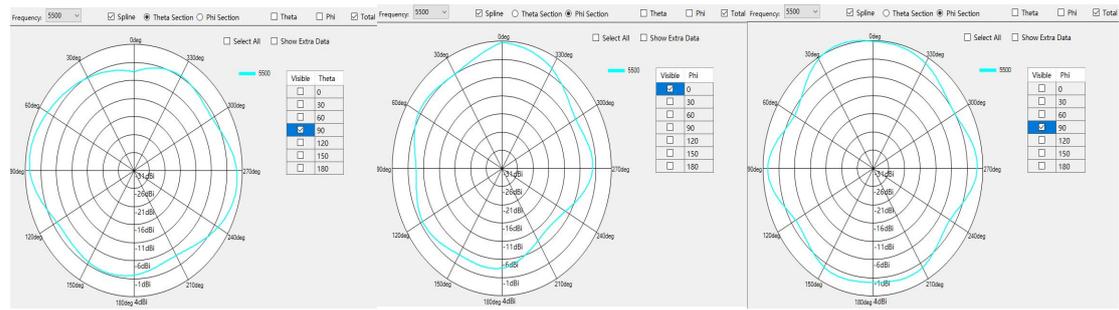
2D Radiation Pattern at 2500MHz Gain=2.29dBi



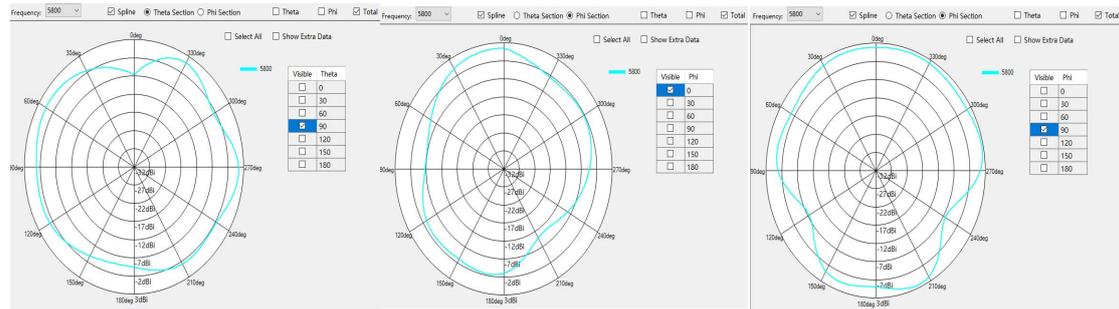
2D Radiation Pattern at 5100MHz Gain=-0.12dBi



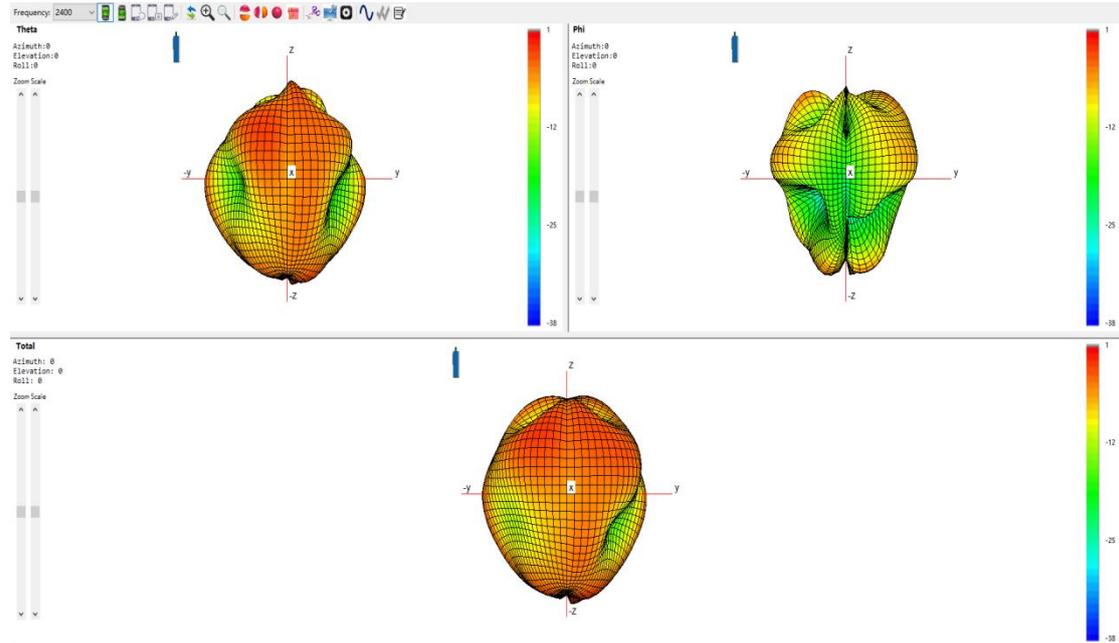
2D Radiation Pattern at 5500MHz Gain=4.05dBi



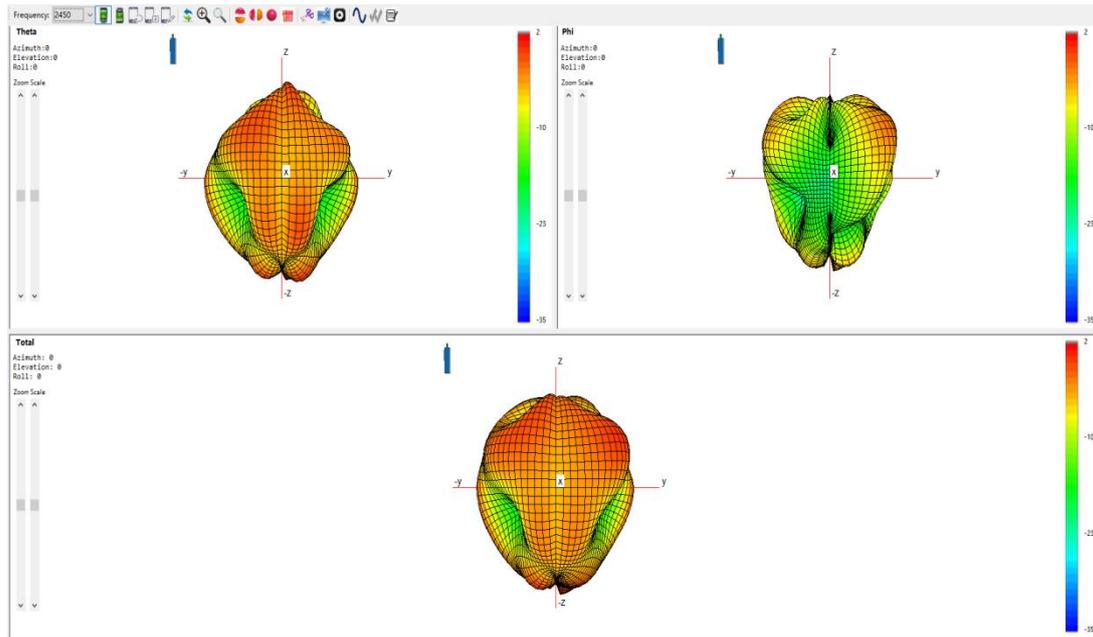
2D Radiation Pattern at 5800MHz Gain=2.97dBi



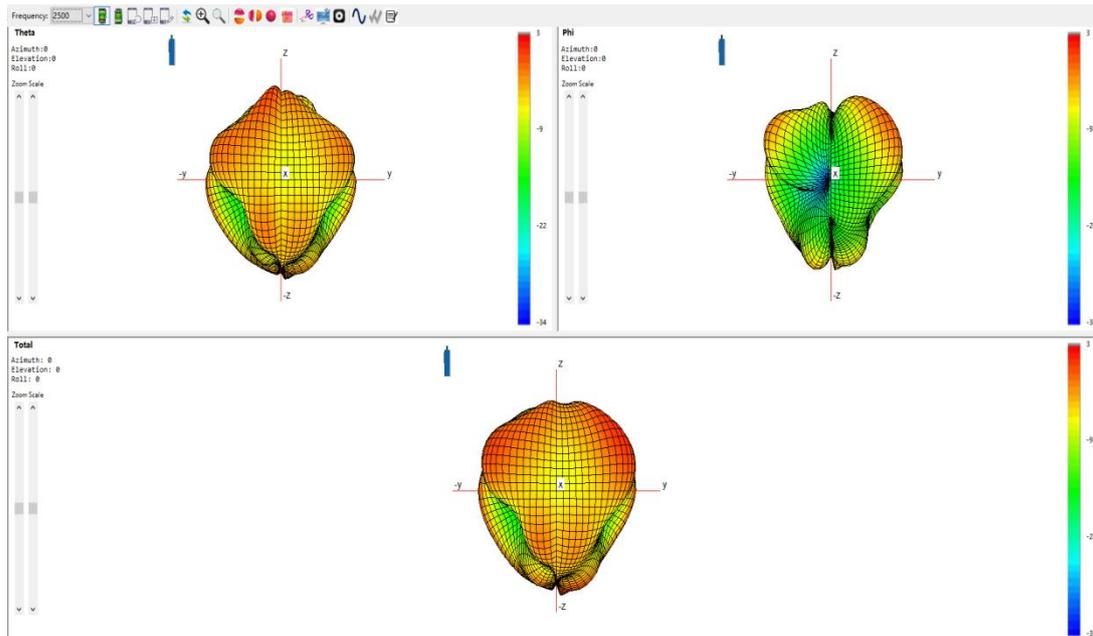
3D Radiation Pattern at 2400MHz Gain=0.26dBi



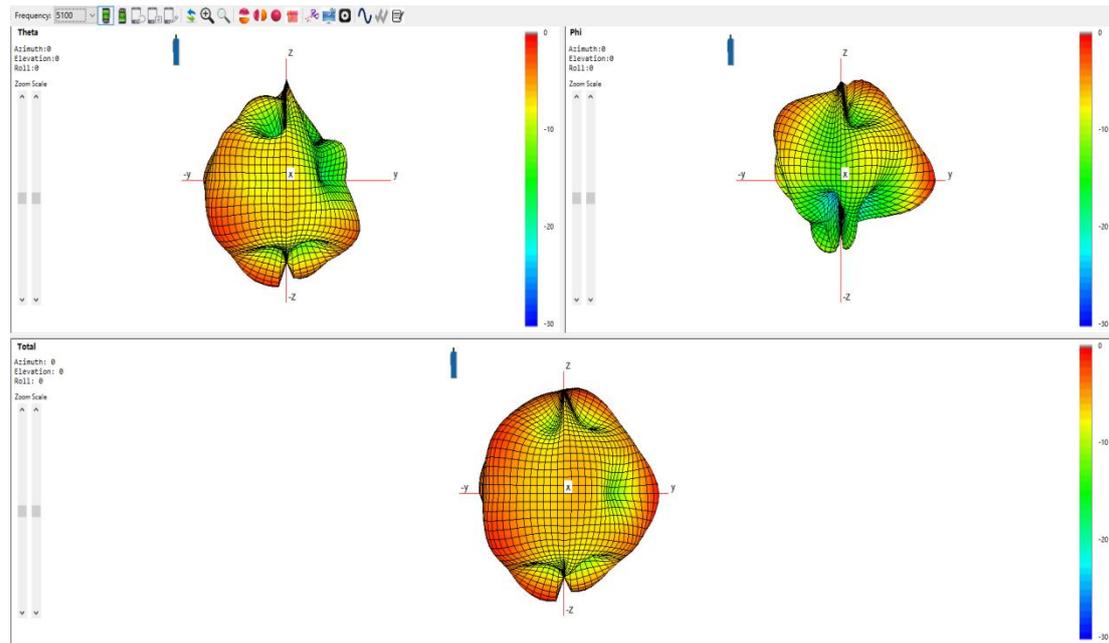
3D Radiation Pattern at 2450MHz Gain=1.15dBi



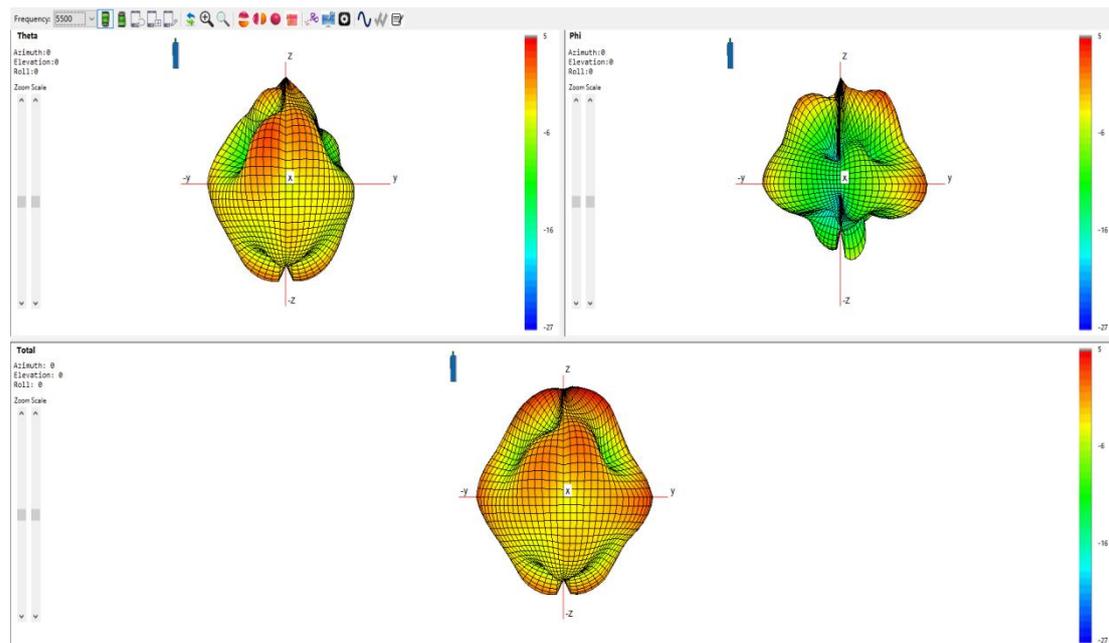
3D Radiation Pattern at 2500MHz Gain=2.29dBi



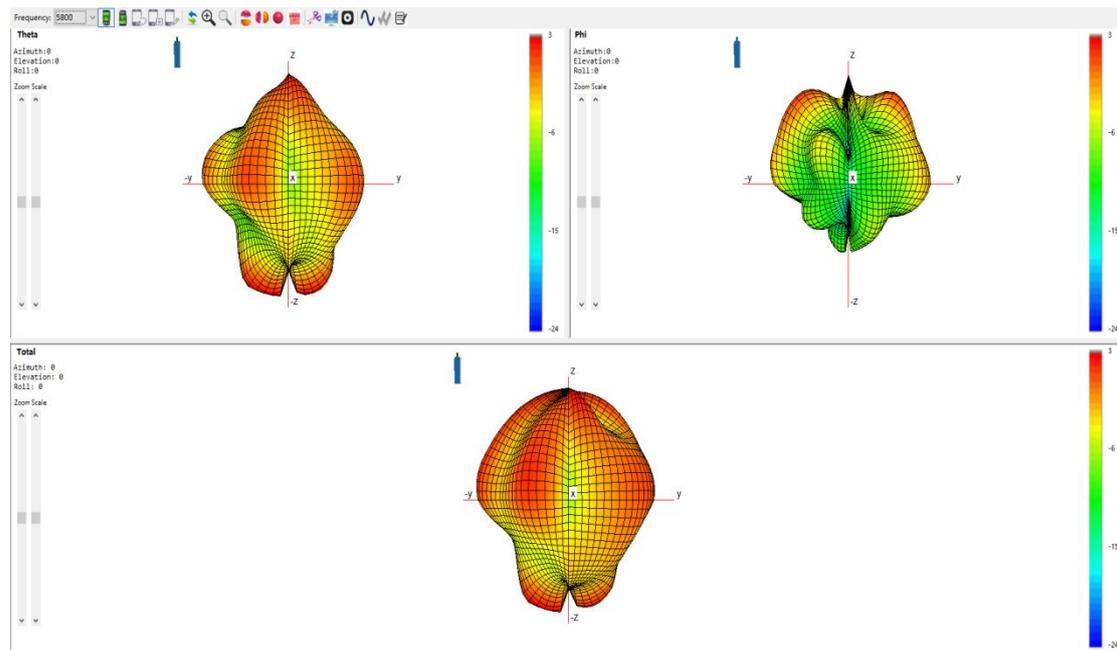
3D Radiation Pattern at 5100MHz Gain=-0.12dBi



3D Radiation Pattern at 5500MHz Gain=4.05dBi



3D Radiation Pattern at 5800MHz Gain=2.97dBi



HOUSING CONFIGURATIONS

