

# 258F 42x19.9mm Antenna

## FEATURES



- Welding RG 1.13 cable, Ipex connector, 3M sticker for easy installation.
- For smart device wireless, Zigbee, Bluetooth terminal wireless receiving antenna transmitter antenna

## PRODUCTS

Part No.	Weight	Dimensions (L x WxH)	Cables Dimensions	Connector	Color
M01-0200580ROA		FPC:42.0*19.9*0.2mm	Φ 1.13*150mm	IPX1	Black
M01-0200220ROA		FPC:42.0*19.9*0.2mm	Φ 1.13*200mm	IPX1	Black

## SPECIFICATIONS

PARAMETER	SPECIFICATION
Frequency Bands, MHz	2400-2500; 5100-5800
VSWR (Max)	2.2:1
Nominal Impedance	50 Ω
Max Power (ambient temp of 25°C)	10 Watts
Azimuth Beam Width (deg)	Omnidirectional
Polarization	Linear, Omnidirectional
Color	Black+yellow
Storage Temperature Range (°C)	-40° C to +85° C
Operational Temperature Range (°C)	-40° C to +85° C
Material Substance Compliance	REACH/RoHS Compliant

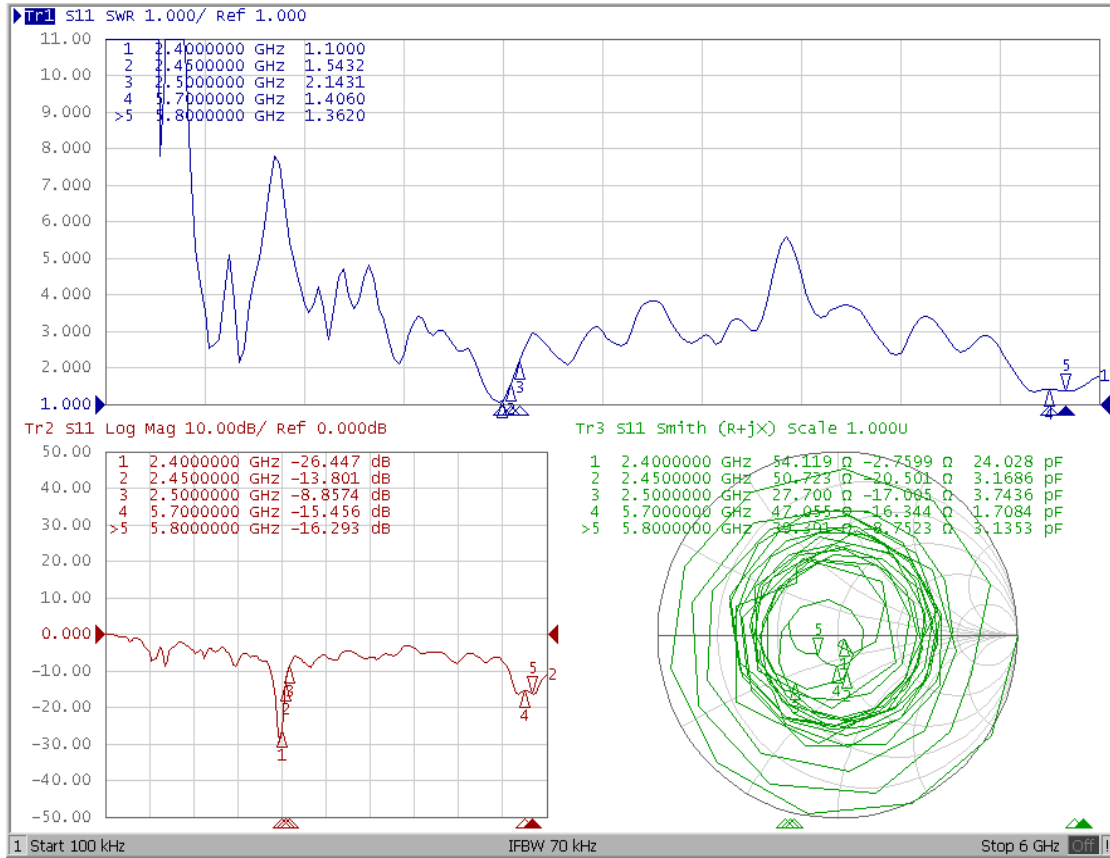
MyAntenna RF Technology Co., Ltd

ADD:No.RM 410, Country Garden Phoenix Wisdom Valley, No. 50 Tiezai Road, Baoan District, Shenzhen, P.R.China.

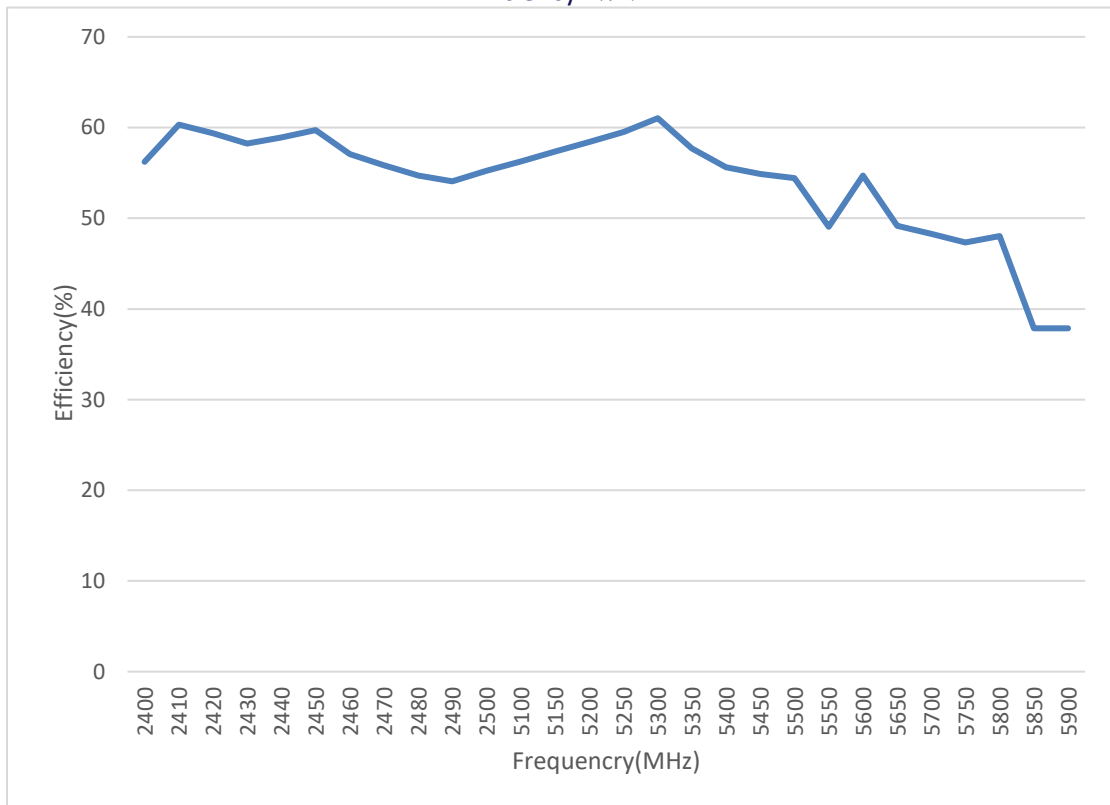
TEL: +86-0755-86503881 E-mail: [nfc@myantenna.com](mailto:nfc@myantenna.com)

ELECTRICAL DATA

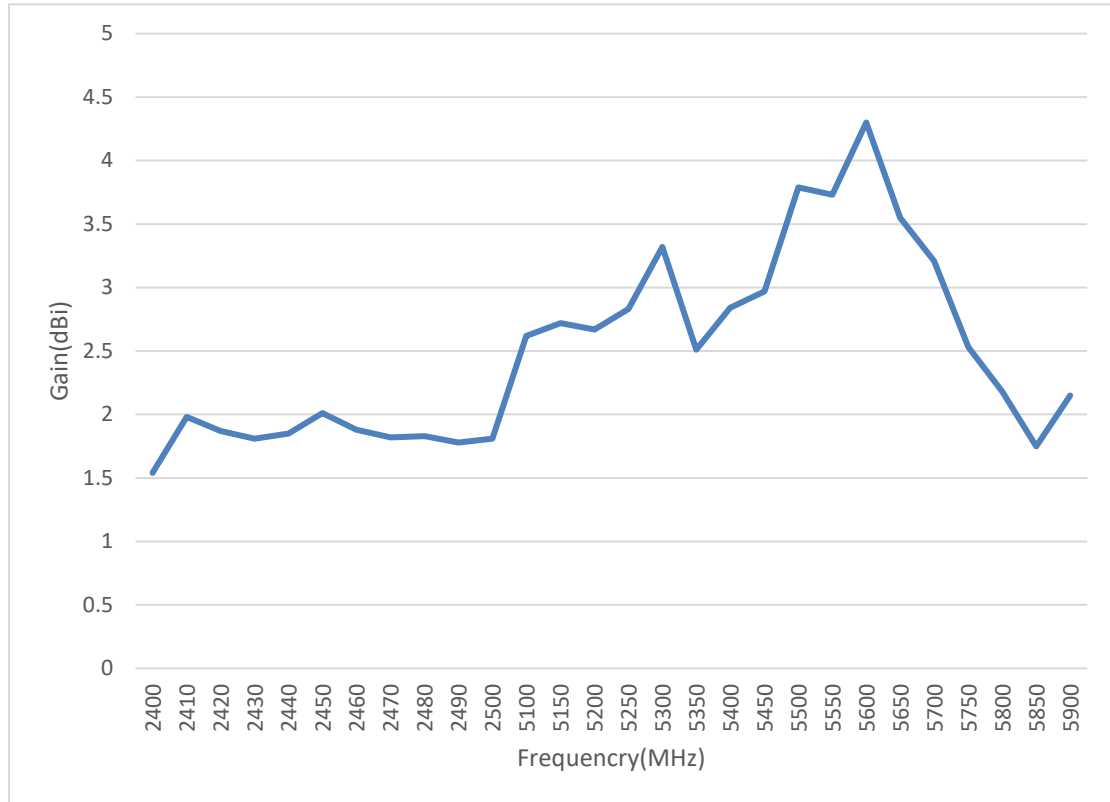
Return Loss



Efficiency (%)



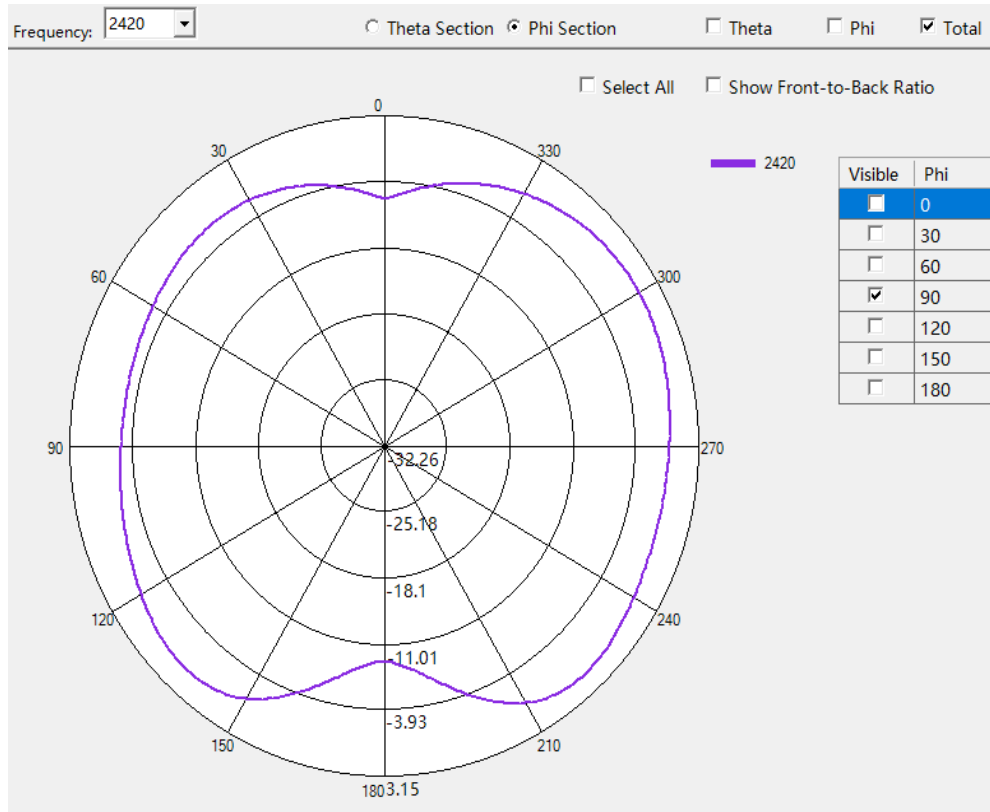
Peak Gain (dBi)



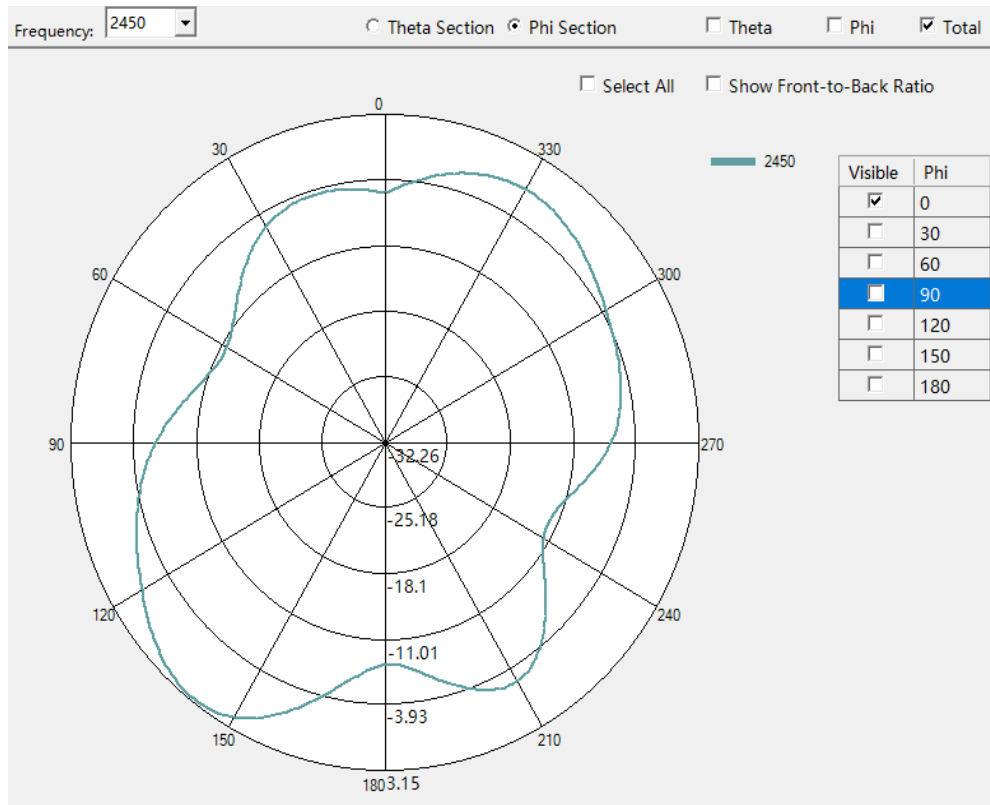
Freq(MHz)	Efficiency(%)	Gain (dBi)	Freq(MHz)	Efficiency(%)	Gain (dBi)
2400	56.23	1.54	5250	59.52	2.83
2410	60.32	1.98	5300	61.03	3.32
2420	59.37	1.87	5350	57.71	2.51
2430	58.25	1.81	5400	55.64	2.84
2440	58.91	1.85	5450	54.88	2.97
2450	59.73	2.01	5500	54.44	3.79
2460	57.06	1.88	5550	49.06	3.73
2470	55.83	1.82	5600	54.69	4.3
2480	54.72	1.83	5650	49.16	3.55
2490	54.08	1.78	5700	48.28	3.21
2500	55.24	1.81	5750	47.32	2.53
5100	56.26	2.62	5800	48.02	2.18
5150	57.37	2.72	5850	37.86	1.75
5200	58.42	2.67	5900	37.86	2.15

## RADIATION PATTERNS

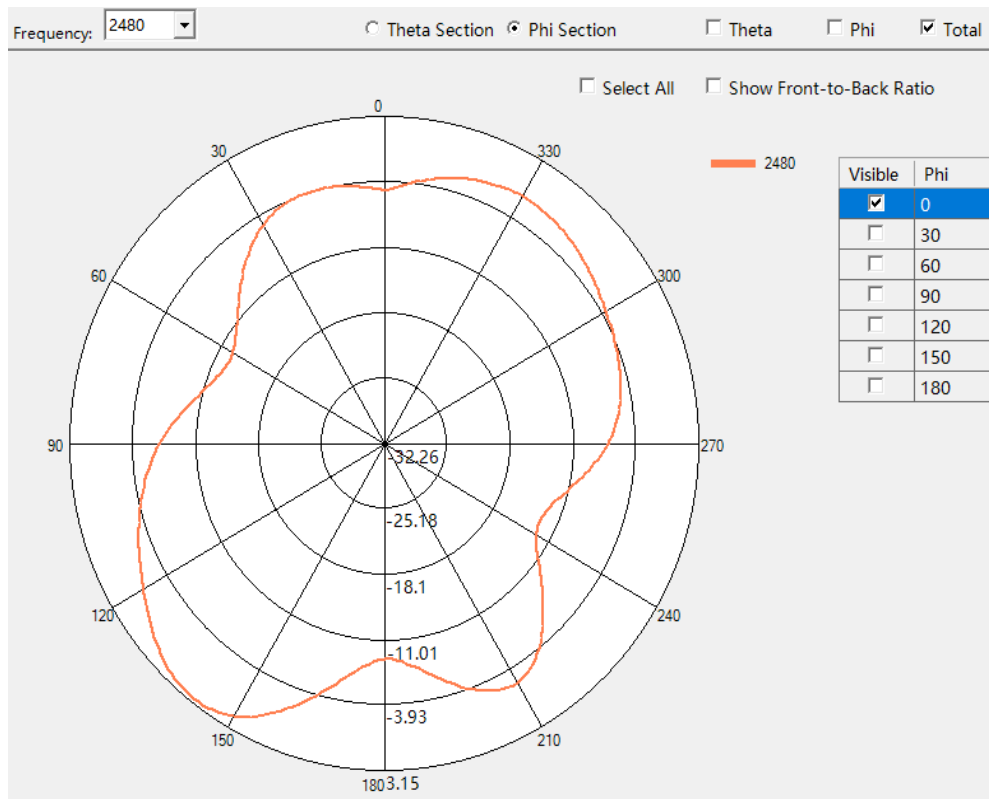
2D Radiation Pattern at 2420MHz Gain=1.87dBi



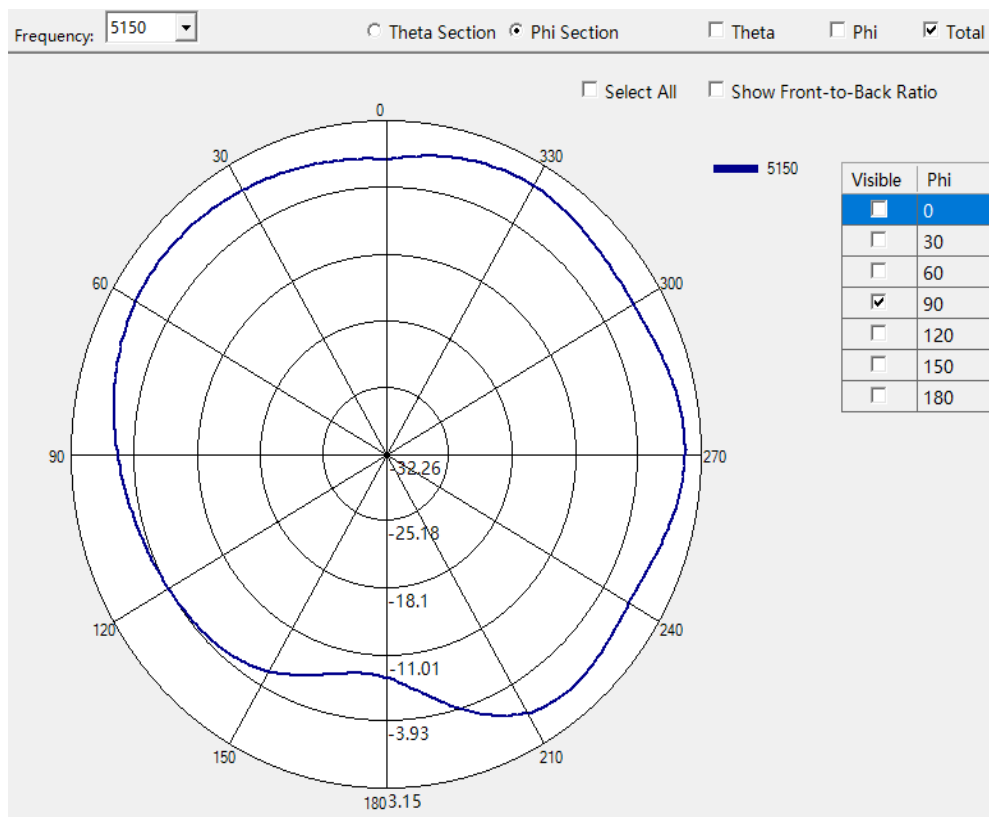
2D Radiation Pattern at 2450MHz Gain=2.01dBi



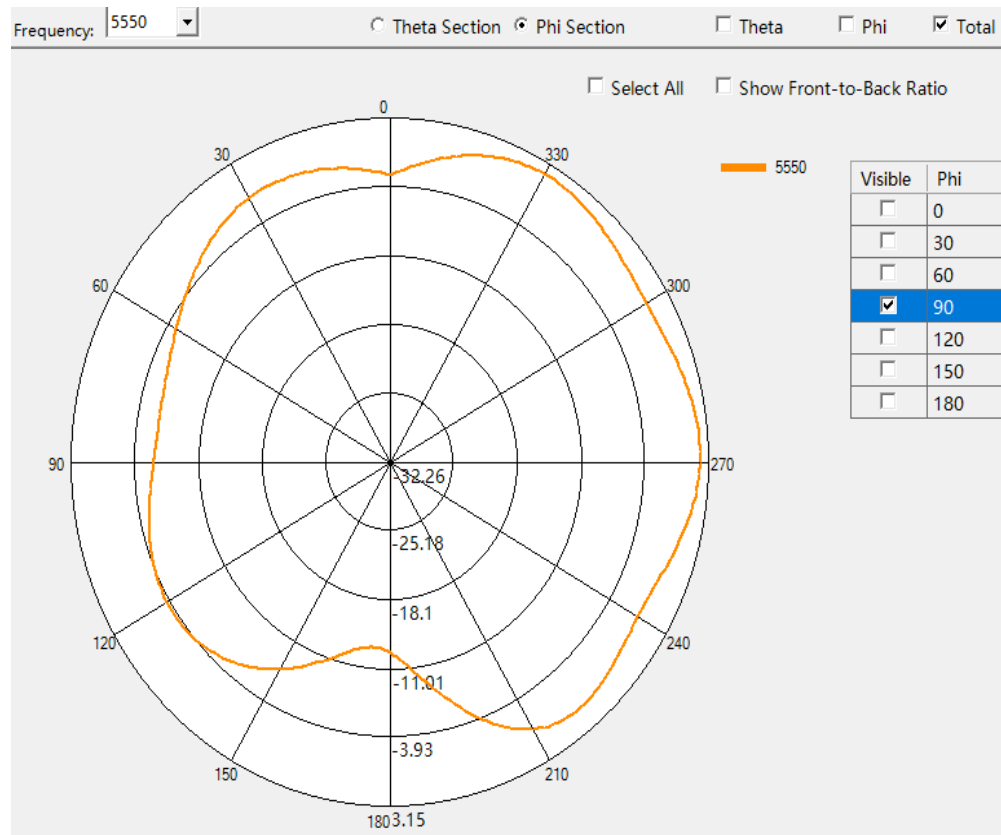
2D Radiation Pattern at 2480MHz Gain=1.83dBi



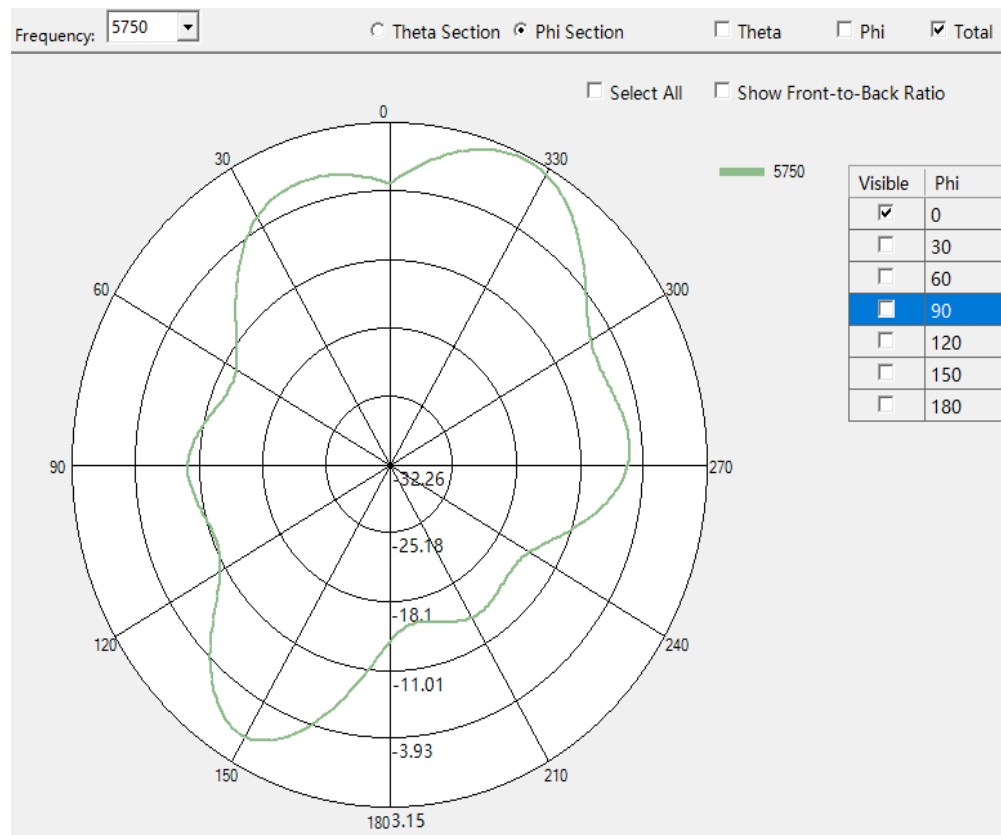
2D Radiation Pattern at 5150MHz Gain=2.72dBi



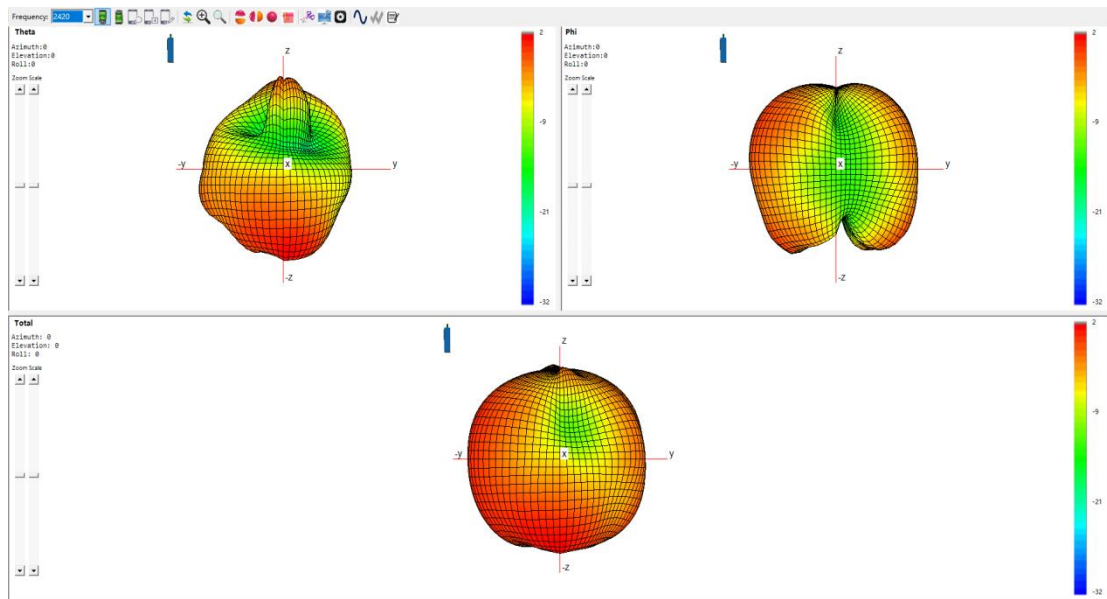
2D Radiation Pattern at 5550MHz Gain=3.73dBi



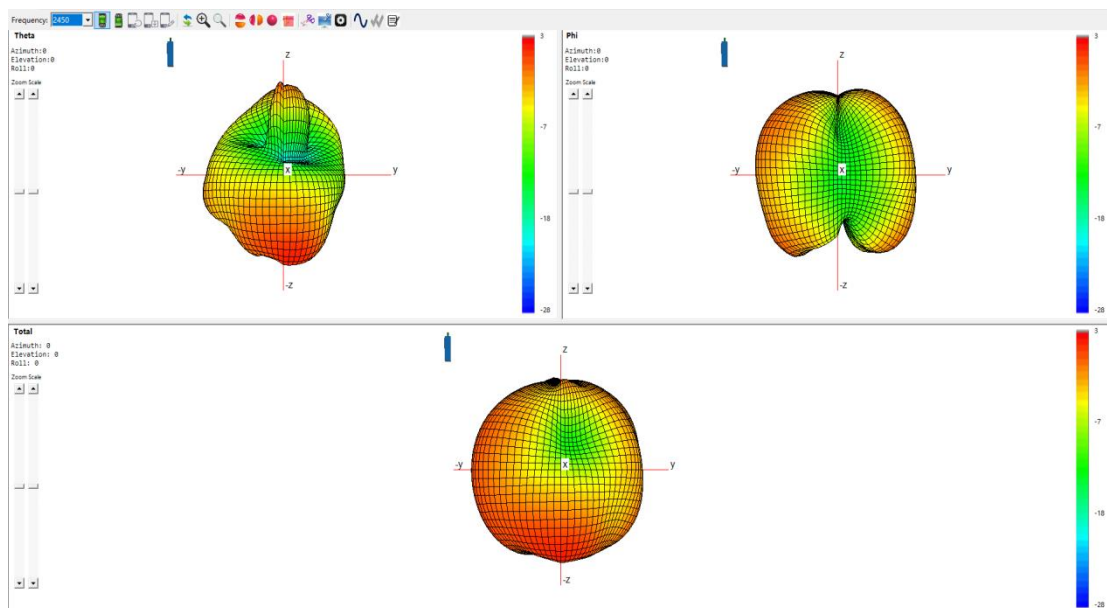
2D Radiation Pattern at 5750MHz Gain=2.53dBi



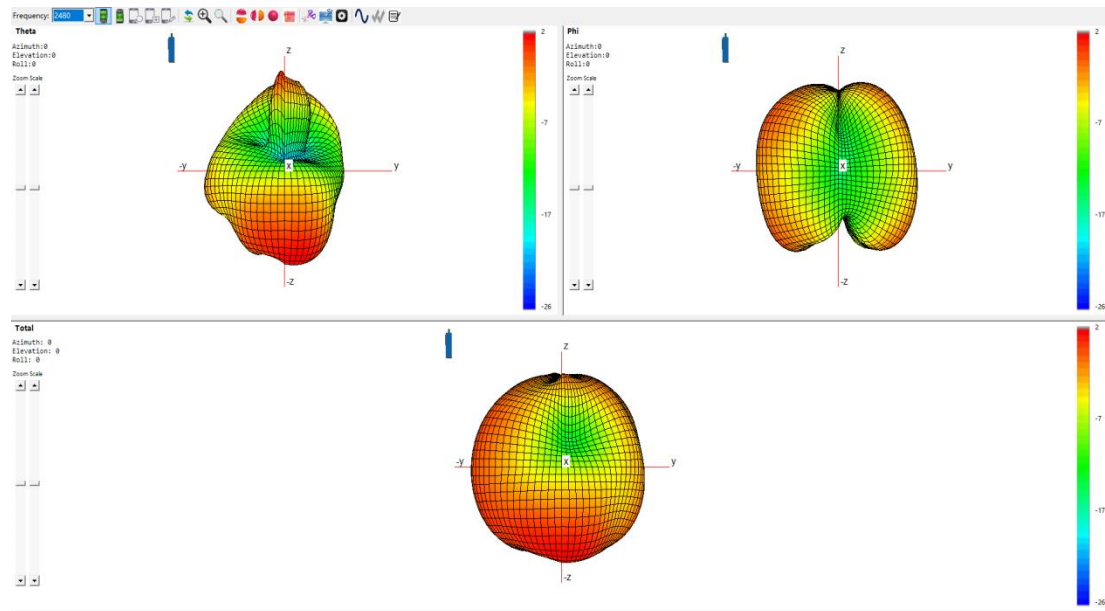
### 3D Radiation Pattern at 2420MHz Gain=1.87dBi



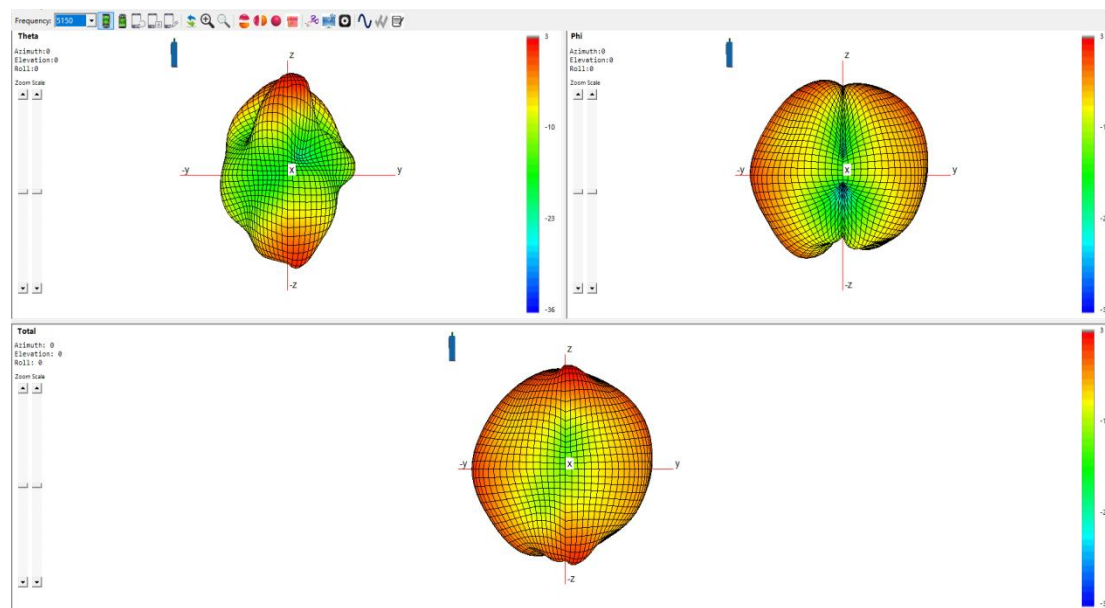
### 3D Radiation Pattern at 2450MHz Gain=2.01dBi



3D Radiation Pattern at 2480MHz Gain=1.83dBi

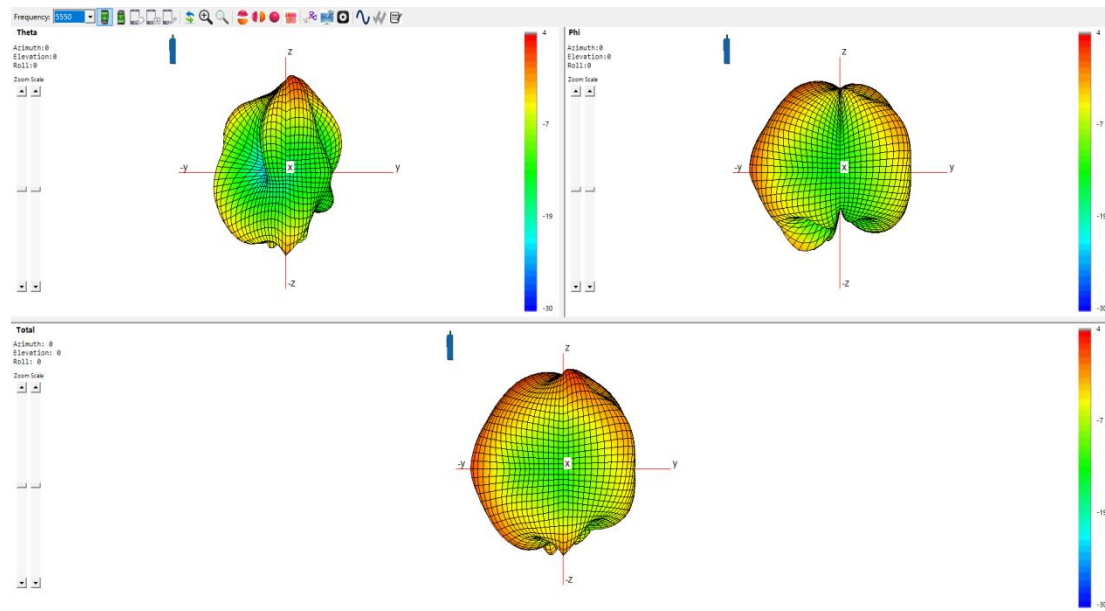


3D Radiation Pattern at 5150MHz Gain=2.72dBi

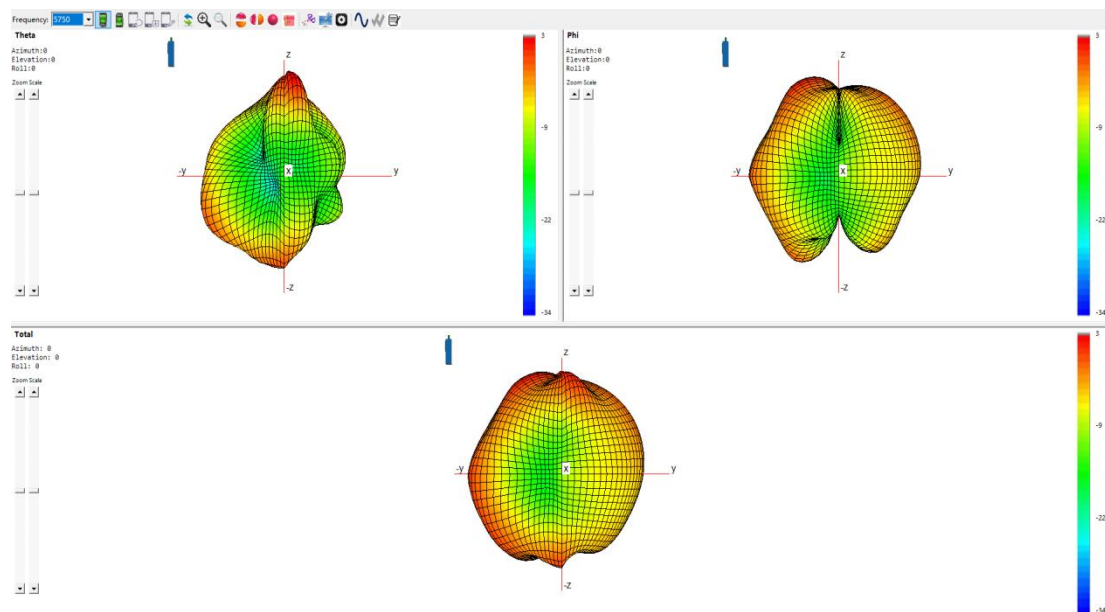




### 3D Radiation Pattern at 5550MHz Gain=3.73dBi



### 3D Radiation Pattern at 5750MHz Gain=2.53dBi



HOUSING CONFIGURATIONS

