

2.4&5.8G Mini Antenna

FEATURES



- Designed for both Indoor
- Ground Plane dependent
- 4.51 dBi Peak Gain
- Small Form Factor



The MyAntenna M02-0200380R0A range of antennas are designed to decrease the lifetime cost of M2M and mobile device installations by offering a robust, effective antenna that is easy to install and lasts the lifetime of the installation without the need for maintenance.

PRODUCTS

Part No.	Weight	Dimensions (L x W x H)	Connector	Color
AEWW035	1.8g	Φ9.3x27.8mm	SMA Male	Black

SPECIFICATIONS

PARAMETER	SPECIFICATION	
Frequency Bands, MHz	2400-2500	5100-5900
VSWR (Max)	3.0:1	5.2:1
Peak Gain, dBi (Typ)	Up to 4.51	
Peak Efficiency,%	Up to 83.97	
Nominal Impedance	50 Ω	
Max Power (ambient temp of 25°C)	10 Watts	
Azimuth Beam Width (deg)	Omnidirectional	
Polarization	Linear	
Radome	TPE, Black	
Storage Temperature Range (°C)	-40° C to +85° C	
Operational Temperature Range (°C)	-40° C to +85° C	
Material Substance Compliance	RoHS Compliant	

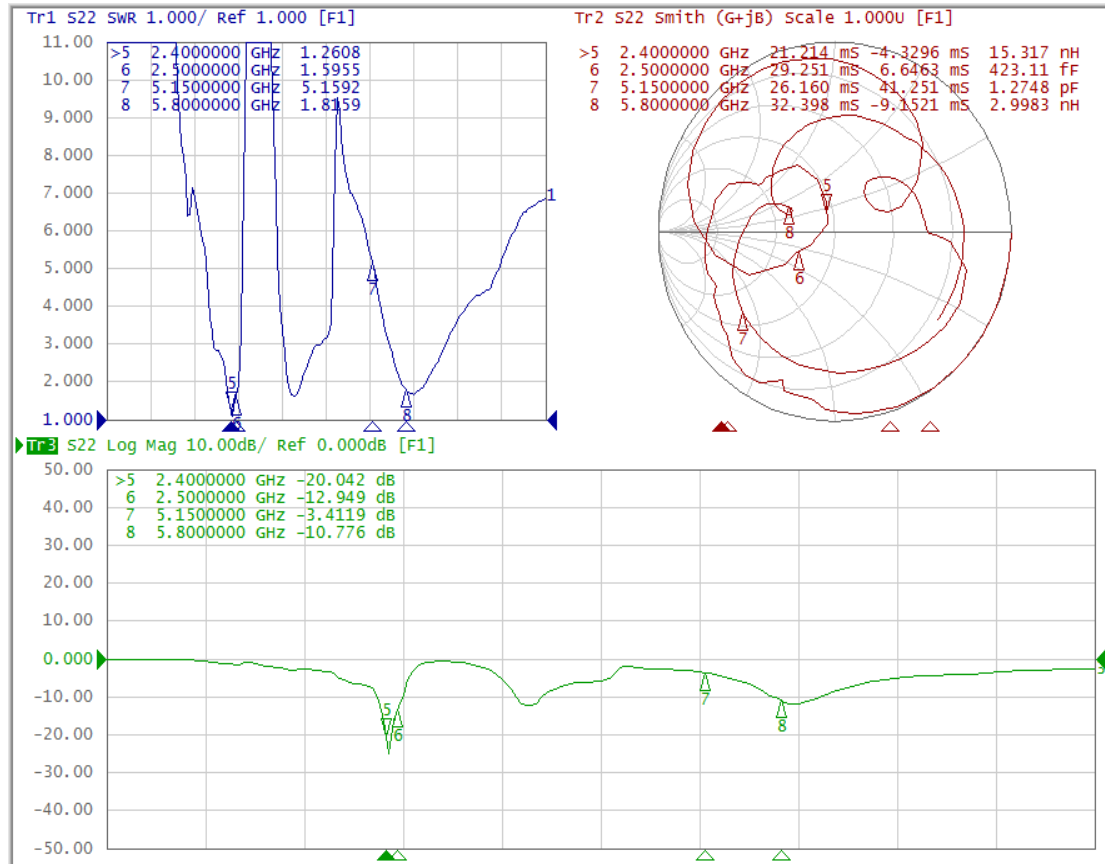
MyAntenna RF Technology Co., Ltd

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

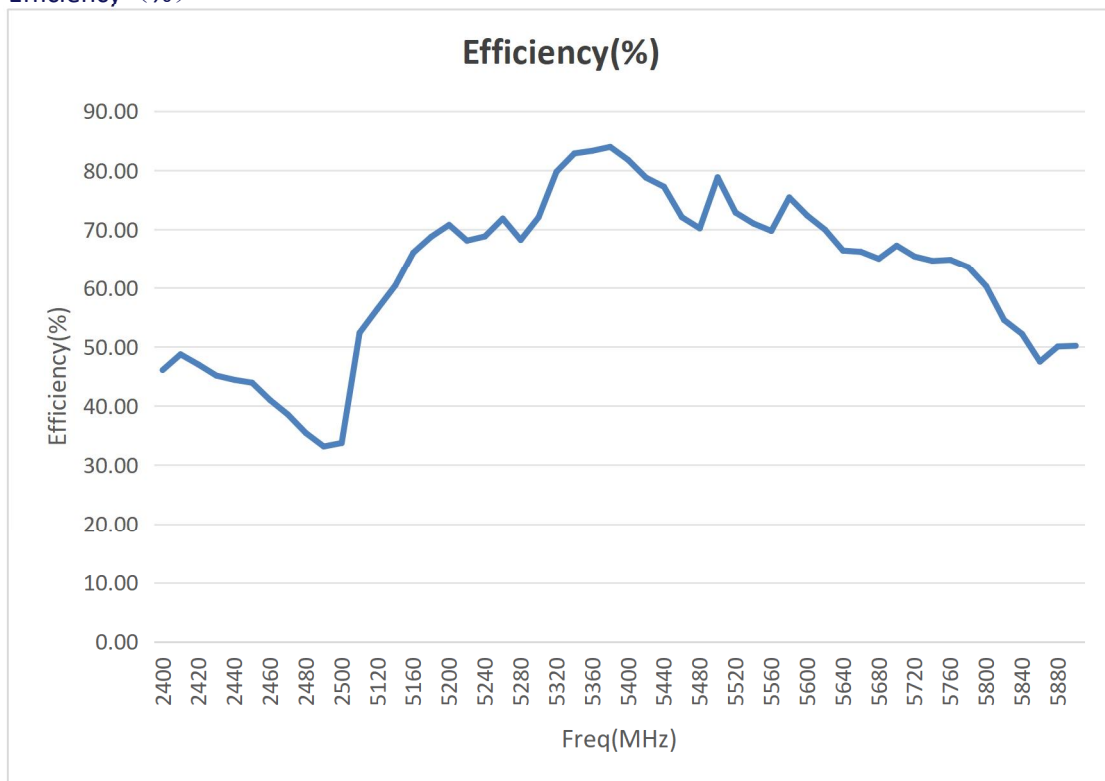
TEL: +86-0755-86503881 FAX: +86-0755-27801677 E-mail: nfc@myantenna.com

ELECTRICAL DATA

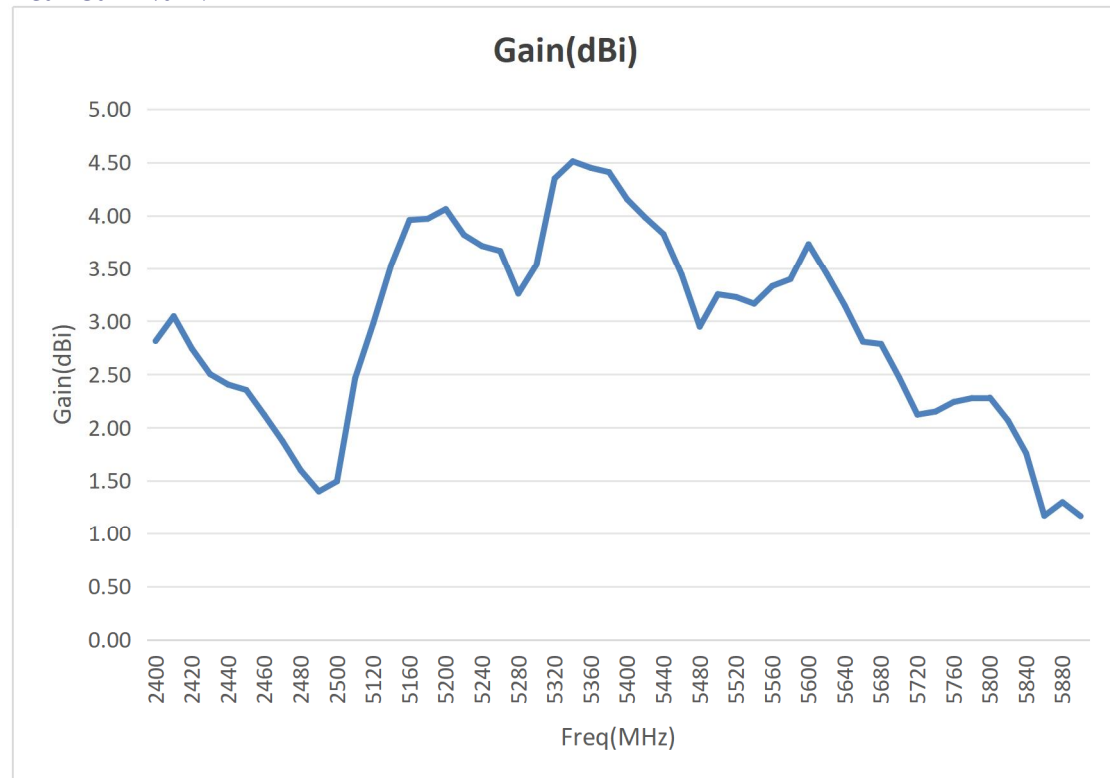
Return Loss



Efficiency (%)



Peak Gain (dBi)

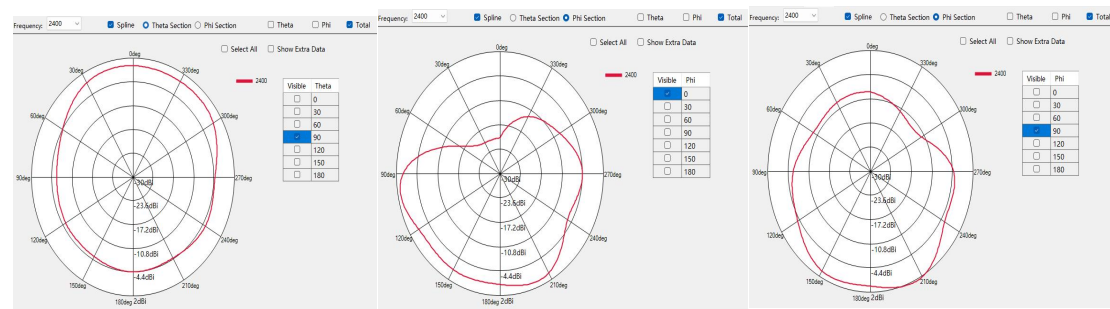


Testing Condition: Mainboard grounding

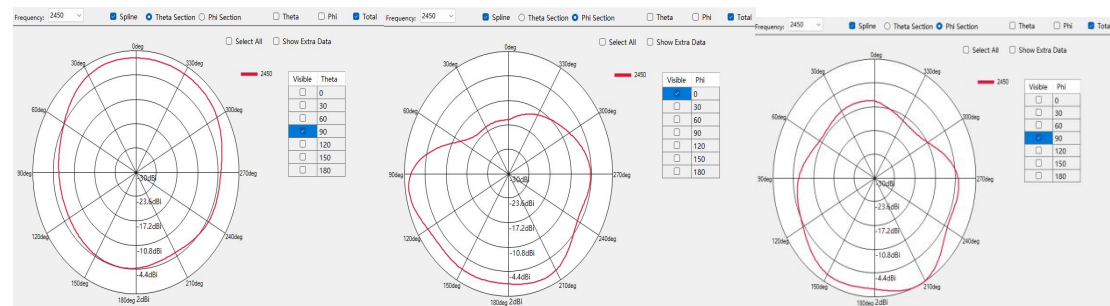
Freq(MHz)	Gain(dBi)	Efficiency(%)	Freq(MHz)	Gain(dBi)	Efficiency(%)	Freq(MHz)	Gain(dBi)	Efficiency(%)
2400	2.81	46.07	5240	3.71	68.82	5600	3.73	72.36
2410	3.05	48.73	5260	3.67	71.85	5620	3.45	69.96
2420	2.74	47.01	5280	3.26	68.22	5640	3.15	66.42
2430	2.50	45.14	5300	3.53	72.07	5660	2.81	66.21
2440	2.40	44.42	5320	4.35	79.78	5680	2.79	65.01
2450	2.35	43.93	5340	4.51	82.87	5700	2.47	67.24
2460	2.12	41.00	5360	4.45	83.31	5720	2.12	65.40
2470	1.87	38.55	5380	4.41	83.97	5740	2.15	64.66
2480	1.60	35.43	5400	4.15	81.77	5760	2.24	64.83
2490	1.40	33.15	5420	3.98	78.77	5780	2.28	63.56
2500	1.50	33.74	5440	3.83	77.24	5800	2.28	60.28
5100	2.46	52.37	5460	3.44	72.09	5820	2.07	54.53
5120	2.98	56.43	5480	2.95	70.19	5840	1.76	52.19
5140	3.54	60.41	5500	3.25	78.84	5860	1.17	47.50
5160	3.96	66.06	5520	3.23	72.86	5880	1.30	50.06
5180	3.97	68.76	5540	3.16	71.01	5900	1.17	50.18
5200	4.06	70.78	5560	3.33	69.76			
5220	3.82	68.10	5580	3.40	75.42			

RADIATION PATTERNS

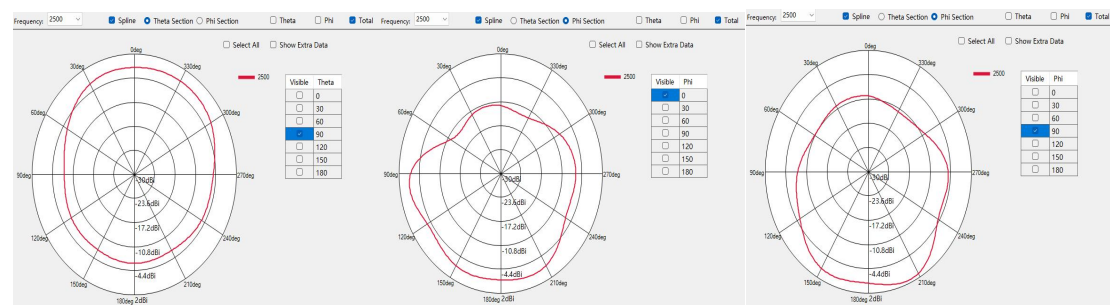
2D Radiation Pattern at 2400MHz



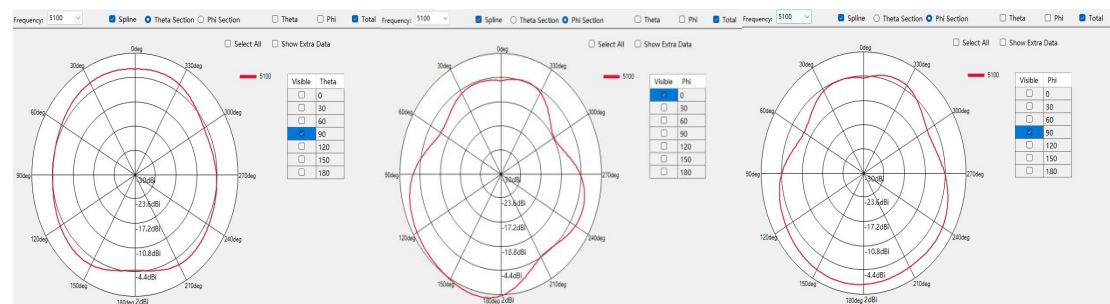
2D Radiation Pattern at 2450MHz



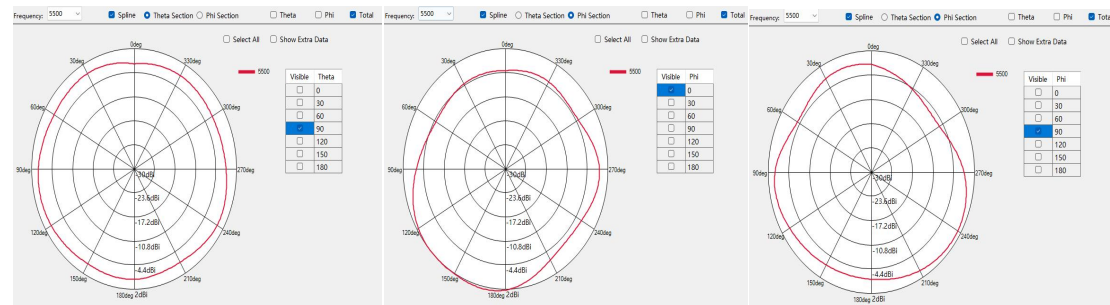
2D Radiation Pattern at 2500MHz



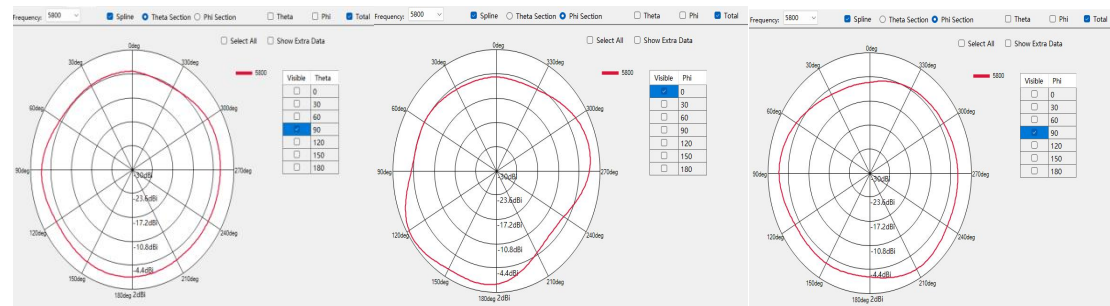
2D Radiation Pattern at 5100MHz



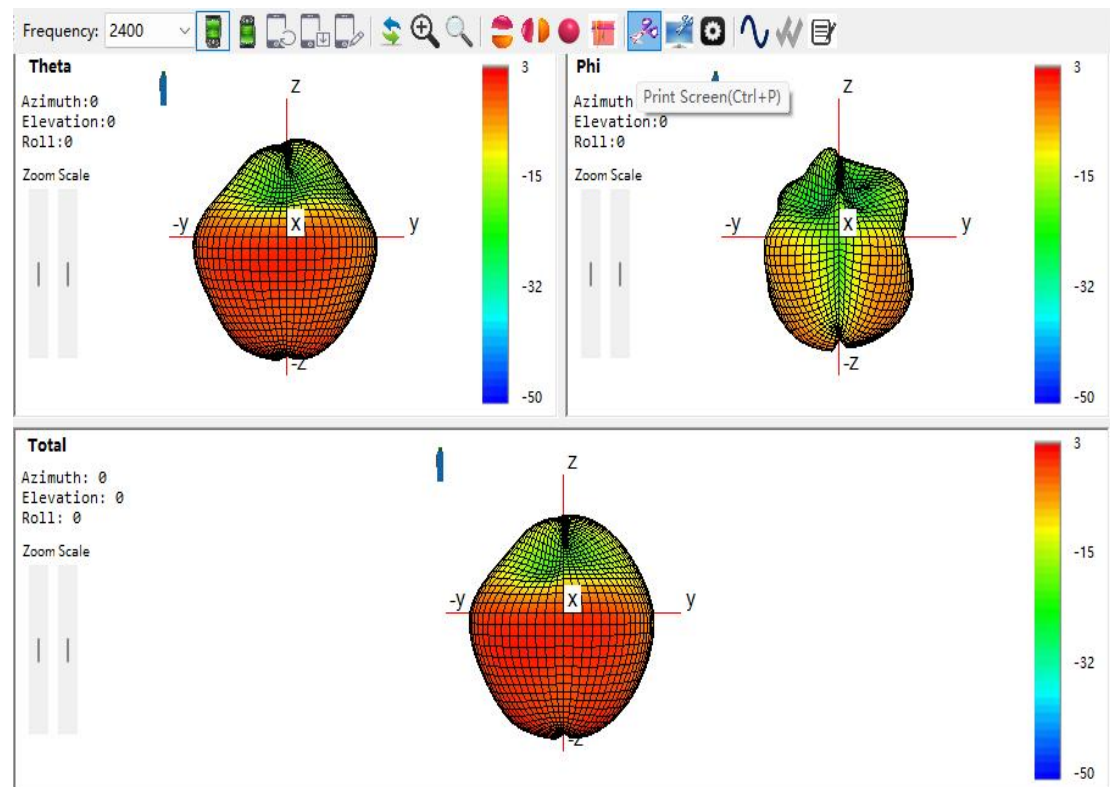
2D Radiation Pattern at 5500MHz



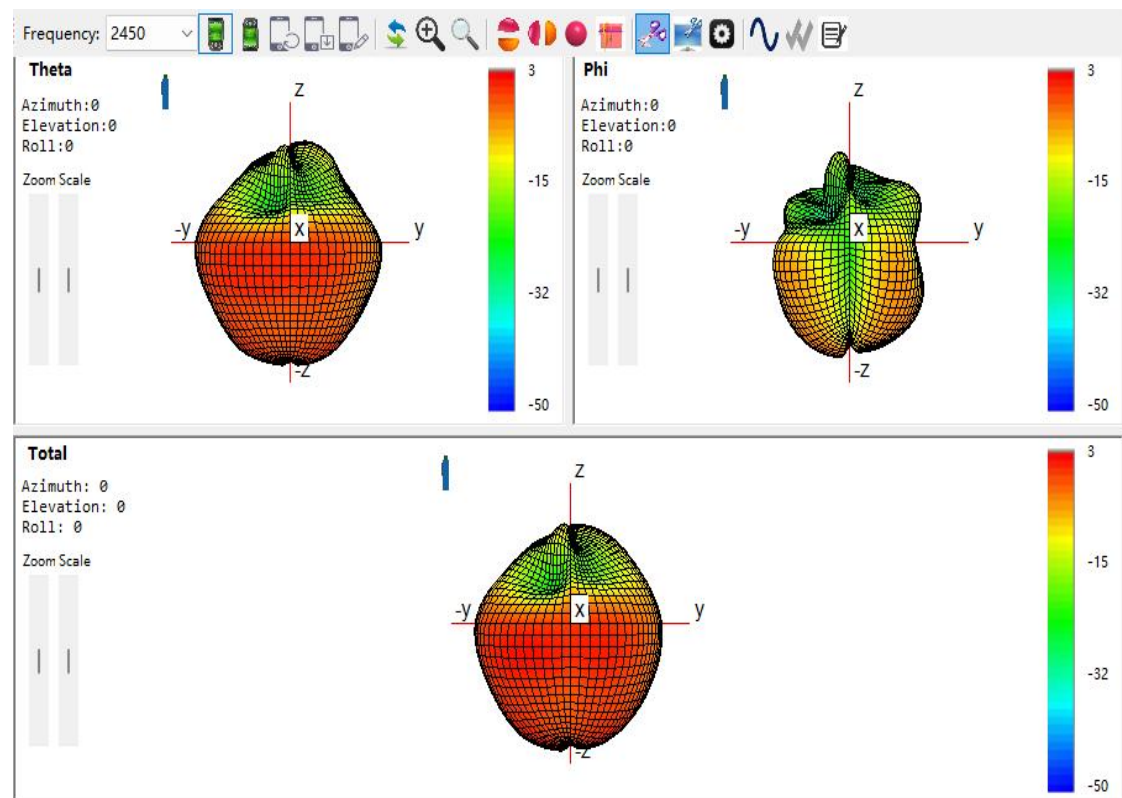
2D Radiation Pattern at 5800MHz



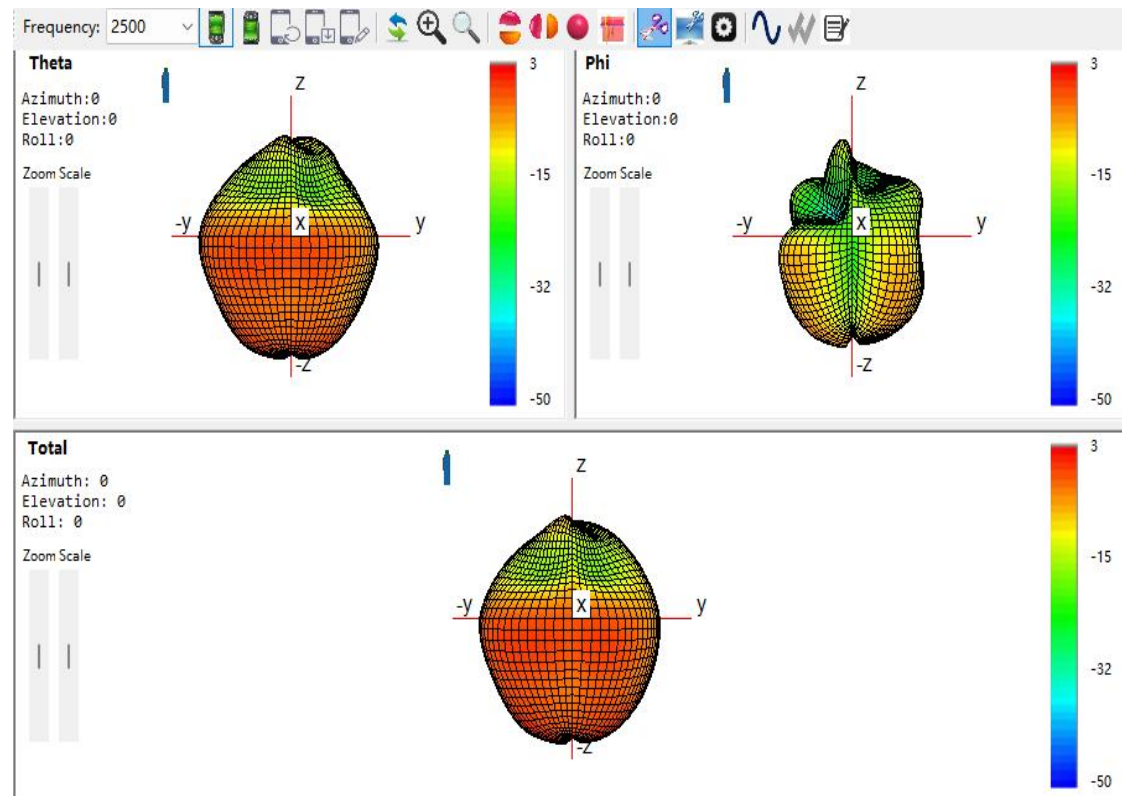
3D Radiation Pattern at 2400MHz



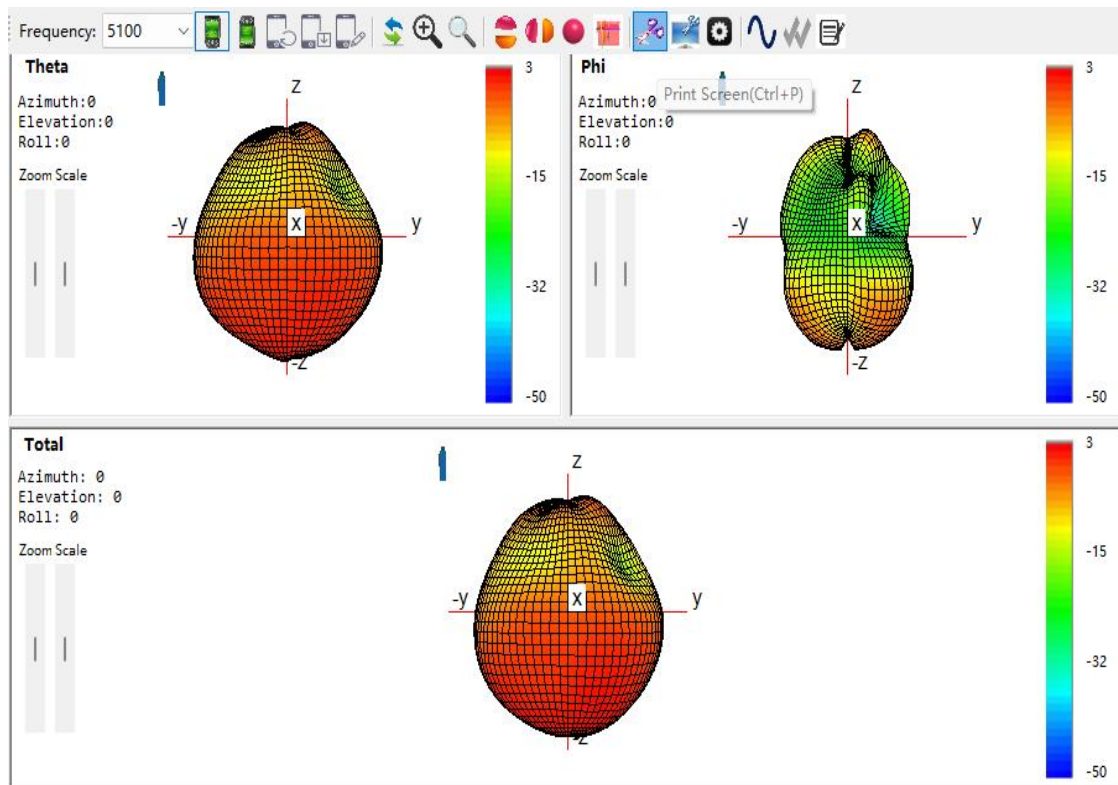
3D Radiation Pattern at 2450MHz



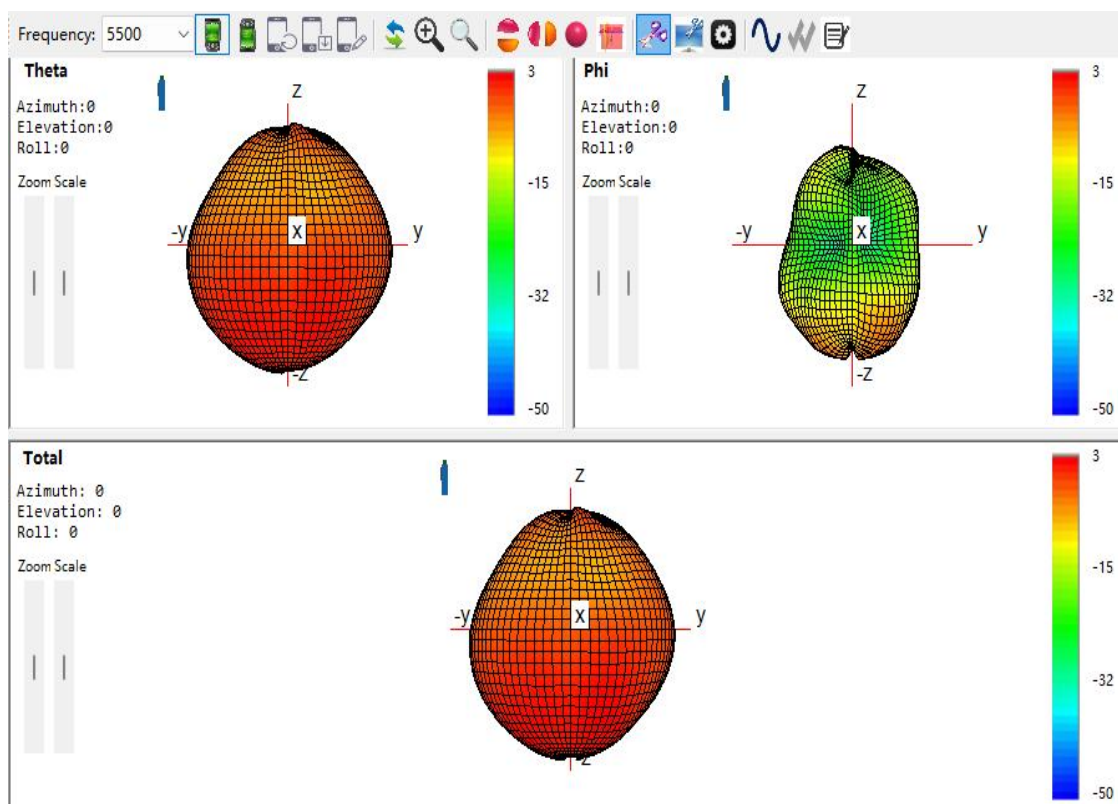
3D Radiation Pattern at 2500MHz



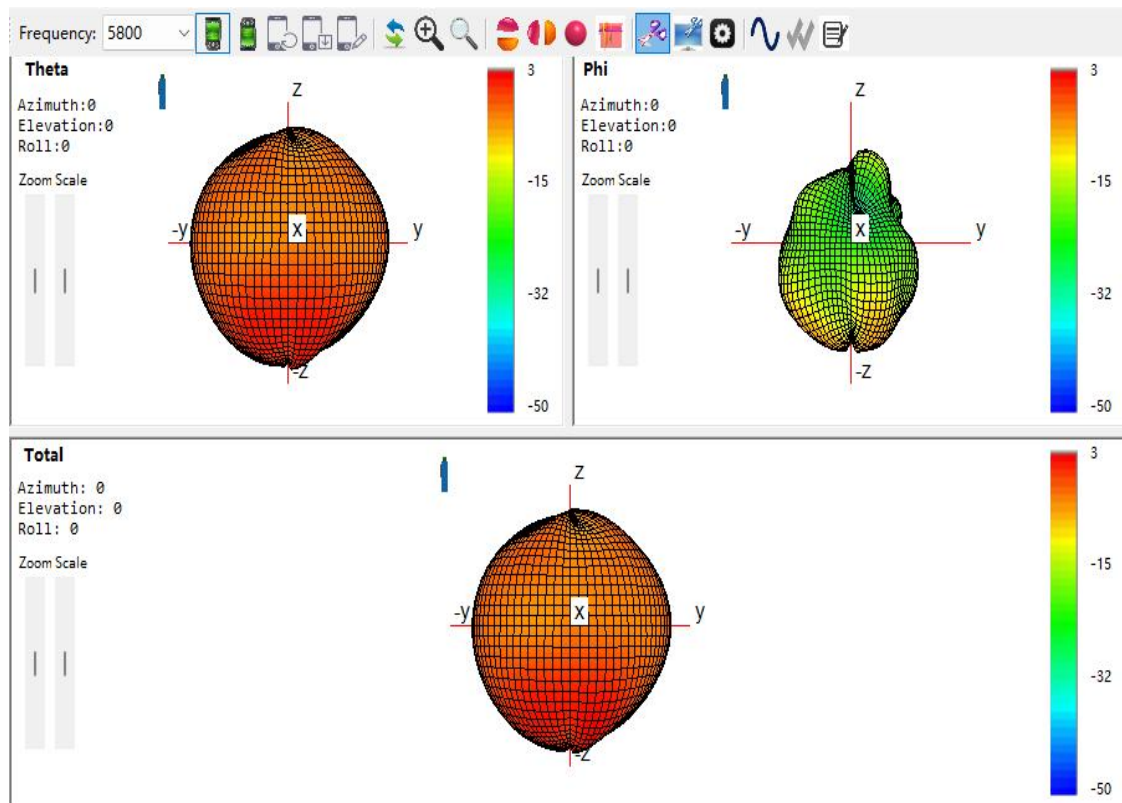
3D Radiation Pattern at 5100MHz



3D Radiation Pattern at 5500MHz



3D Radiation Pattern at 5800MHz



HOUSING CONFIGURATIONS

