5G+5G+5G+GPS 4-in-1 Antenna

FEATURES

- Multifunctionality: This antenna supports various communication and positioning functions, including three 5G signal antennas and one GPS signal antenna. This means that it can simultaneously meet the high-speed wireless internet connection and positioning needs on the same device.Metal and non-metallic surfaces can be shared
- Space-saving: The 4-in-1 design reduces the number of antennas on the device, thus saving space. This is cr ucial for mobile devices and wireless communication equipment, as they typically need to remain compact and lightweight.
- Simplified Design: Integrating multiple functions into a single antenna can reduce device complexity, lower design and manufacturing costs. It can also enhance device reliability and reduce the likelihood of failures.
- Improved Performance: This antenna can provide excellent performance because it is specifically designed to support 5G and GPS signals. It can enhance device communication speed and positioning accuracy.
- Wide Applicability: The 5G+5G+5G+GPS 4-in-1 antenna is suitable for various types of devices, including sm artphones, tablets, in-car communication equipment, IoT devices, and more, providing them with communi cation and positioning capabilities.
- In conclusion, the characteristics of this antenna, including its multifunctionality, space efficiency, simplified design, high performance, and broad applicability, make it an essential component in modern communicati on devices.

PRODUCTS

Part No.	Weight	Dimensions (L x W x H)	Cable	Connector	Color
M04-0103070R0A	208g	156*90.1*21.1mm	Φ2.8*2000mm	SMA MALE	Black

MyAntenna RF Technology Co., Ltd
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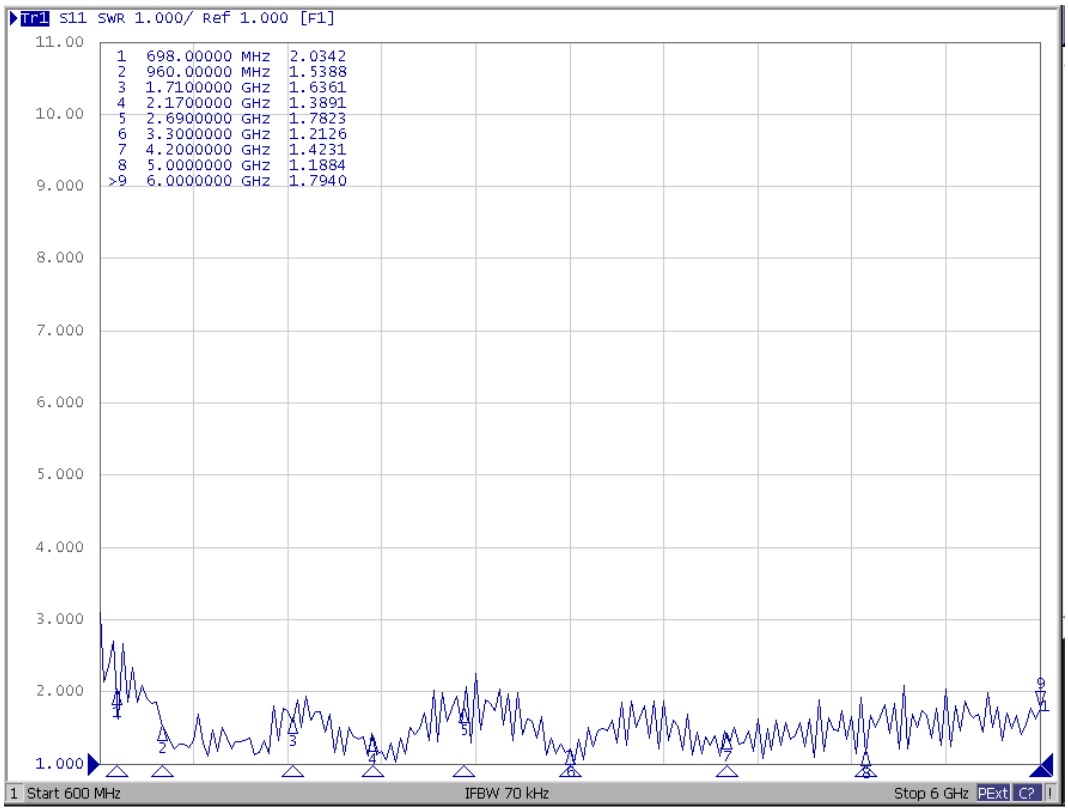
SPECIFICATIONS

PARAMETER	SPECIFICATION			
Antenna	5G-1	5G-2	5G-3	GPS
Frequency Bands, MHz	600-6000	600-6000	600-6000	1575.42
VSWR (Max)	3.0:1	3.0:1	3.0:1	
Peak Gain, dBi (Typ)	Up to 3.96	Up to 4.63	Up to 3.16	Up to 23.71
Nominal Impedance	50 Ω			
Max Power (ambient temp of 25°C)	10 Watts			
Azimuth Beam Width (deg)	Omnidirectional			
Polarization	Linear			
Radome	/			
Storage Temperature Range (°C)	-40° C to +85° C			
Operational Temperature Range (°C)	-30° C to +80° C			
Material Substance Compliance	REACH/RoHS Compliant			
HSCODE	8529109090			
USHSCODE				
UPCva				

ELECTRICAL DATA

Return Loss

5G-1



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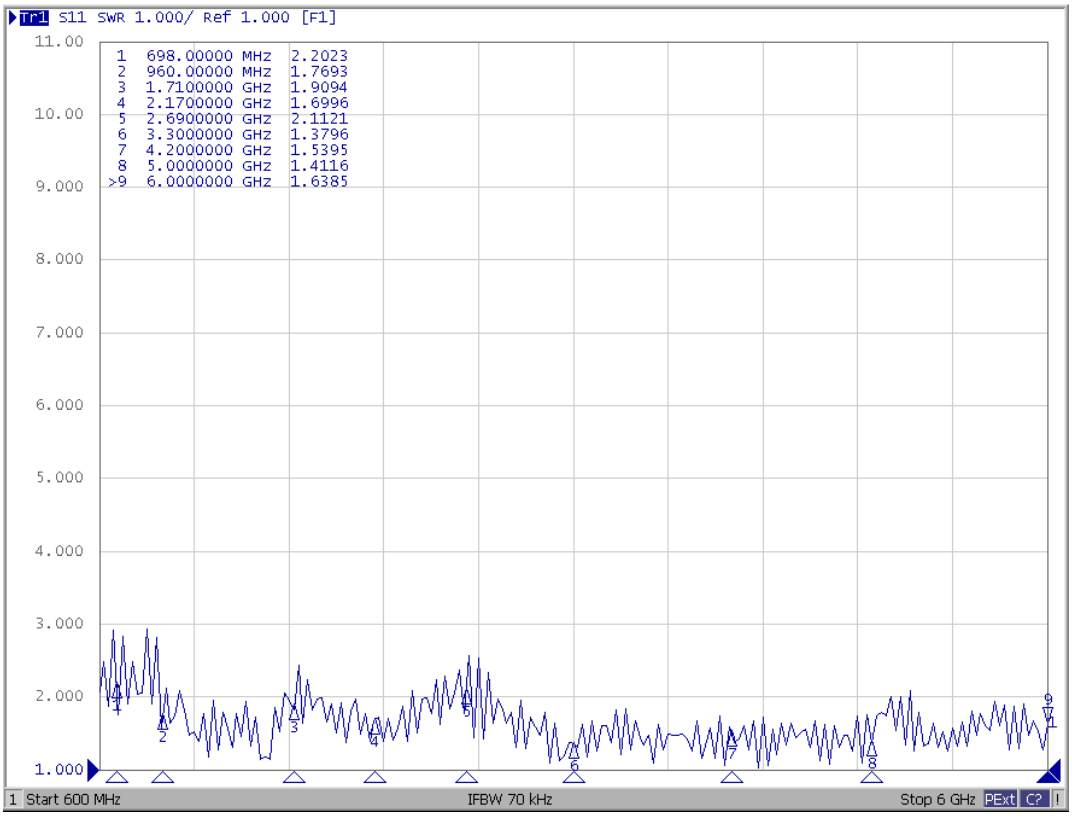
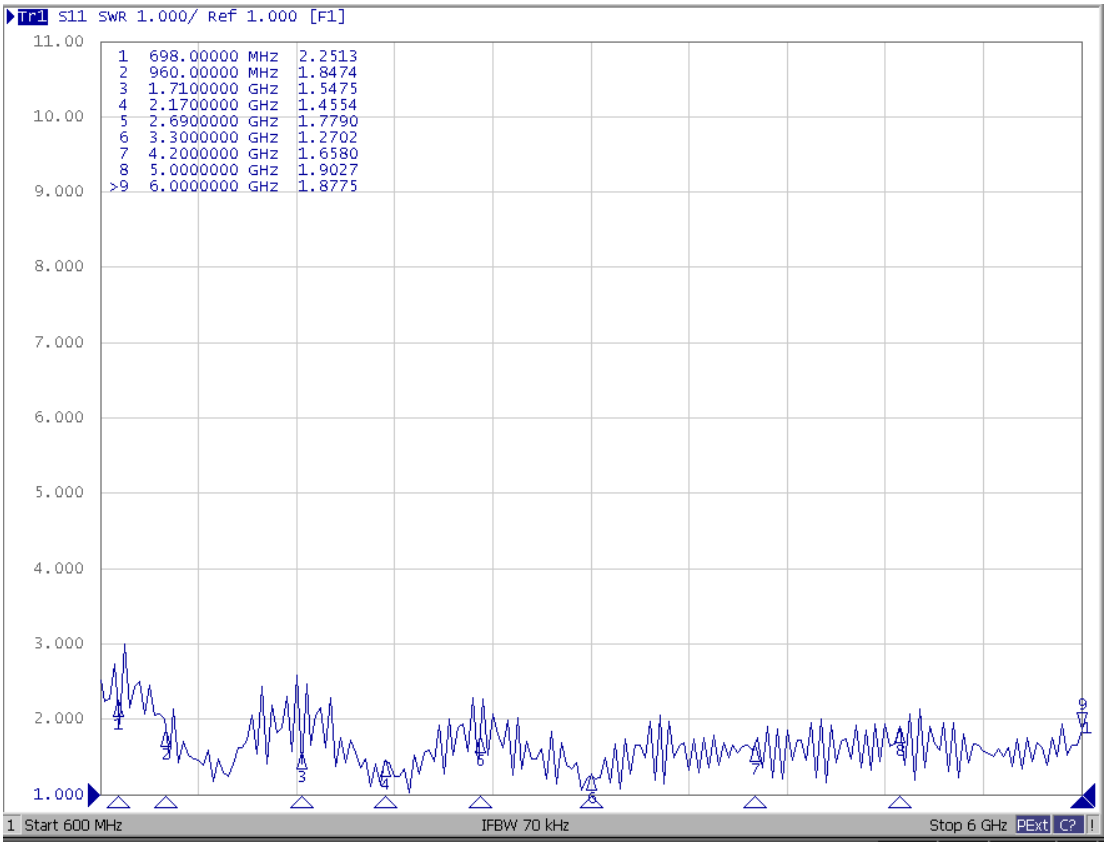
5G-2



5G-3



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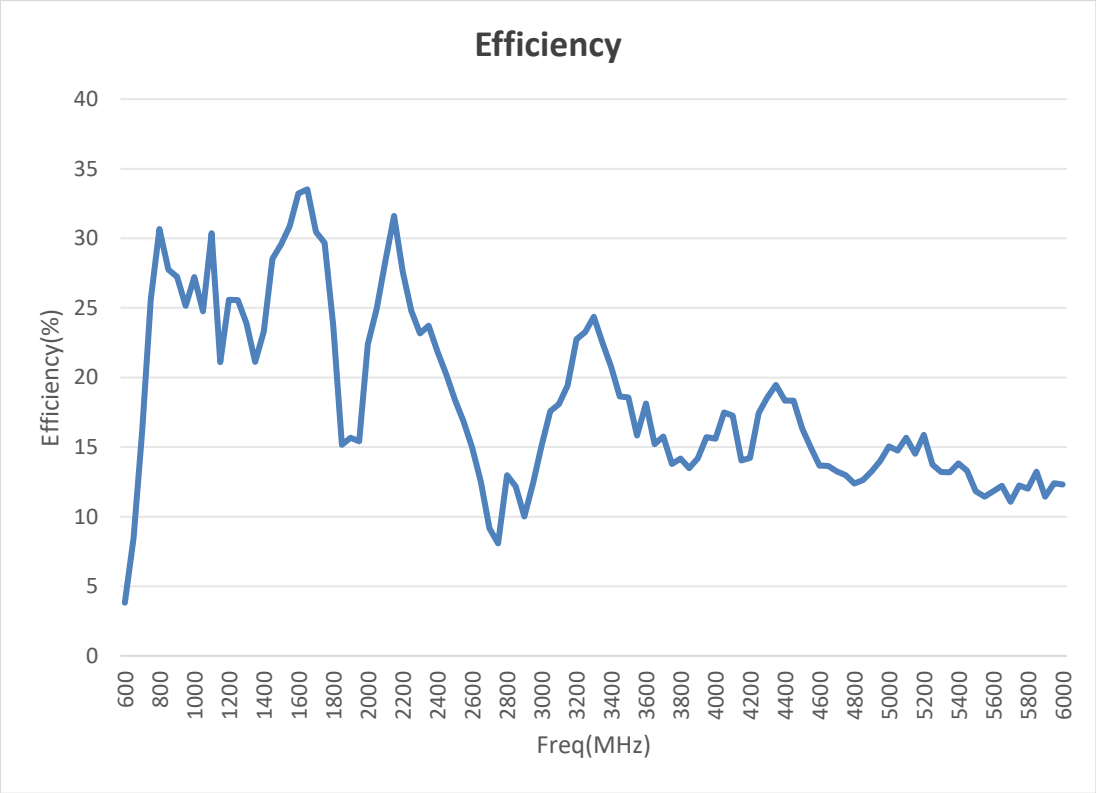
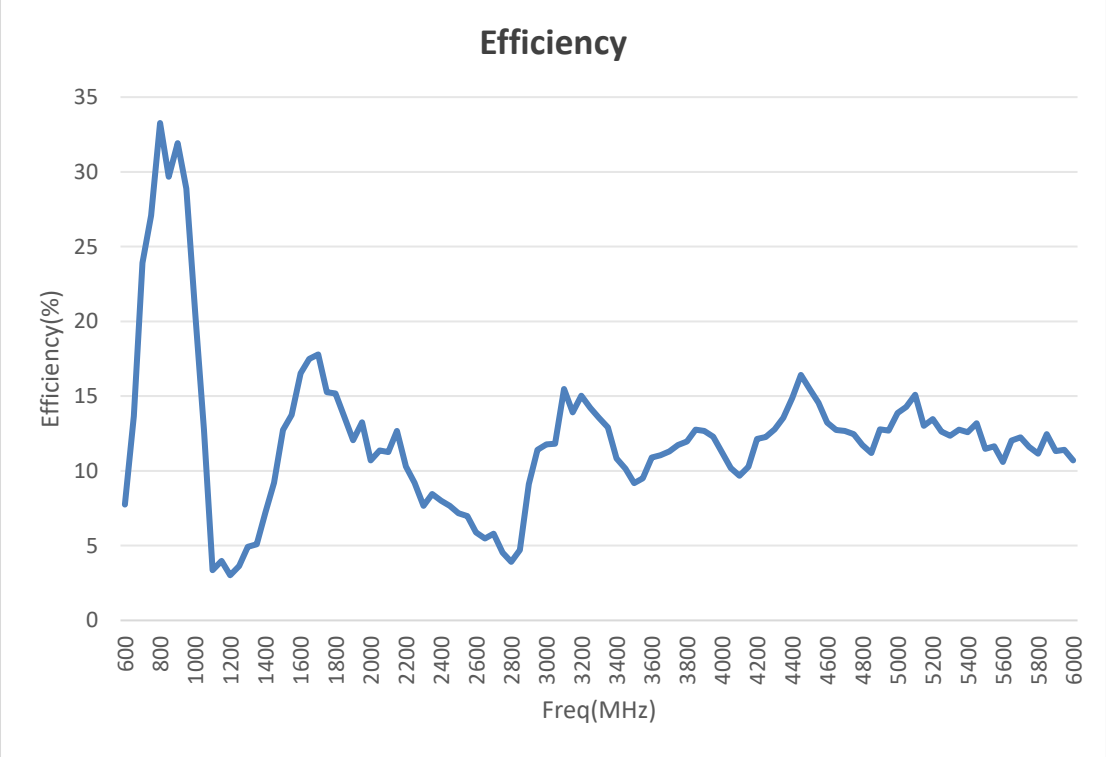
Efficiency

5G-1



5G-2



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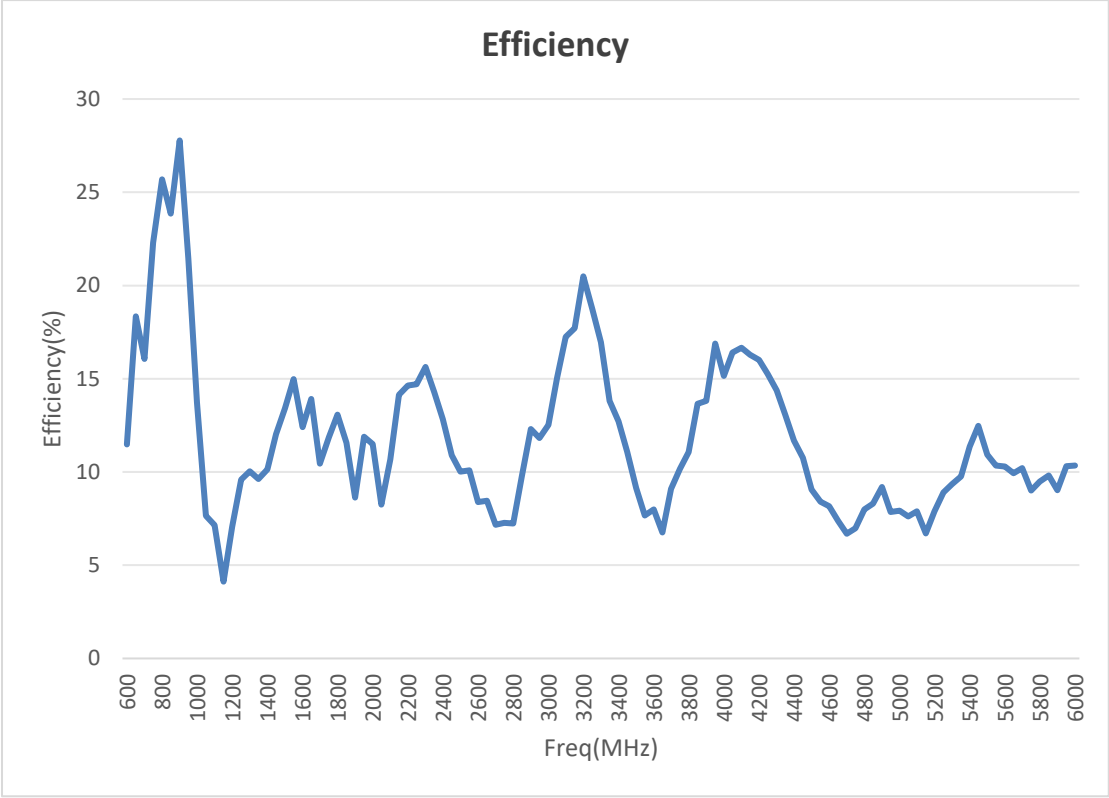
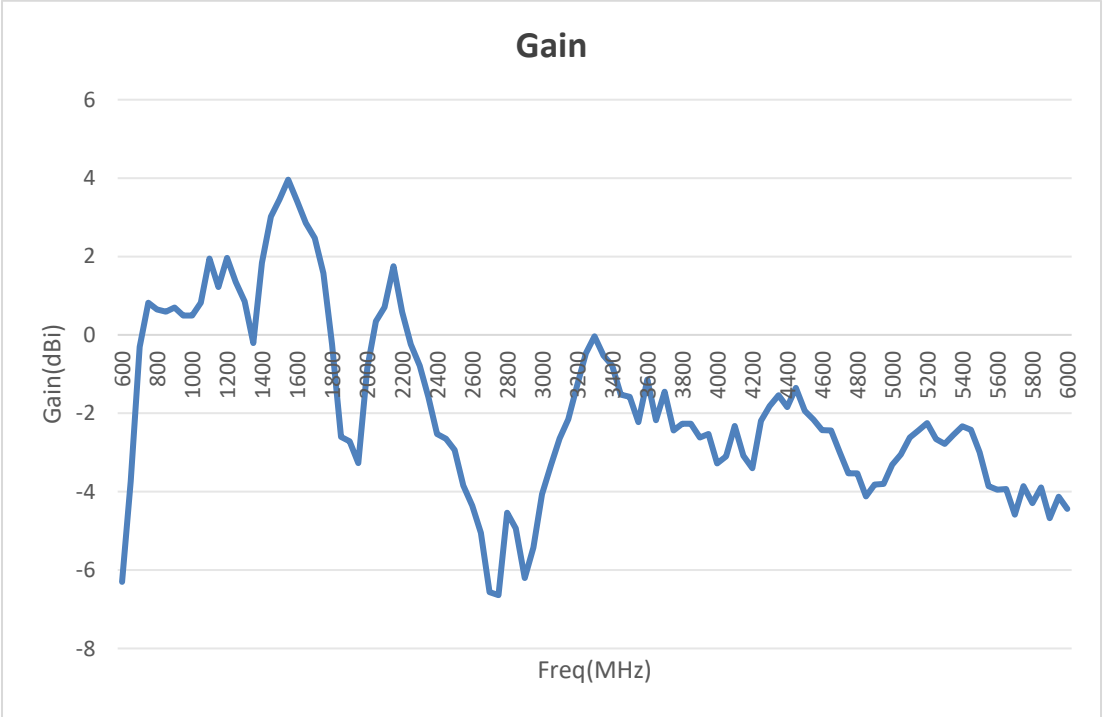
5G-3



Peak Gain

5G-1



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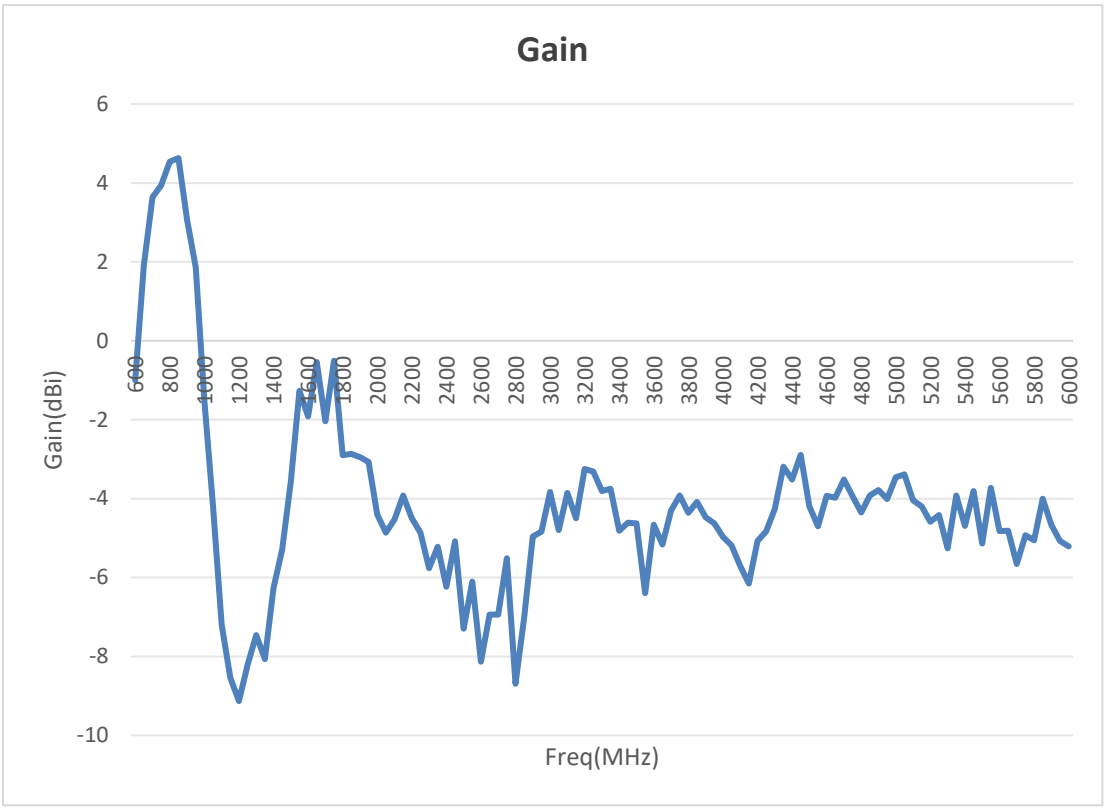
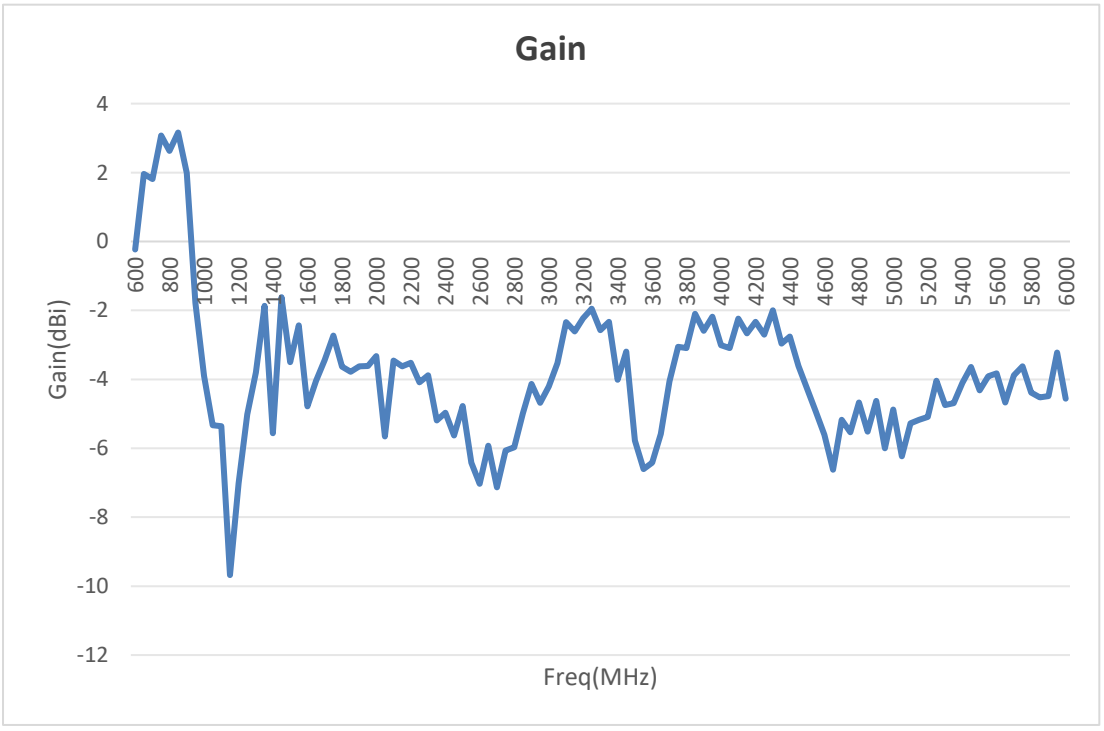
5G-2



5G-3



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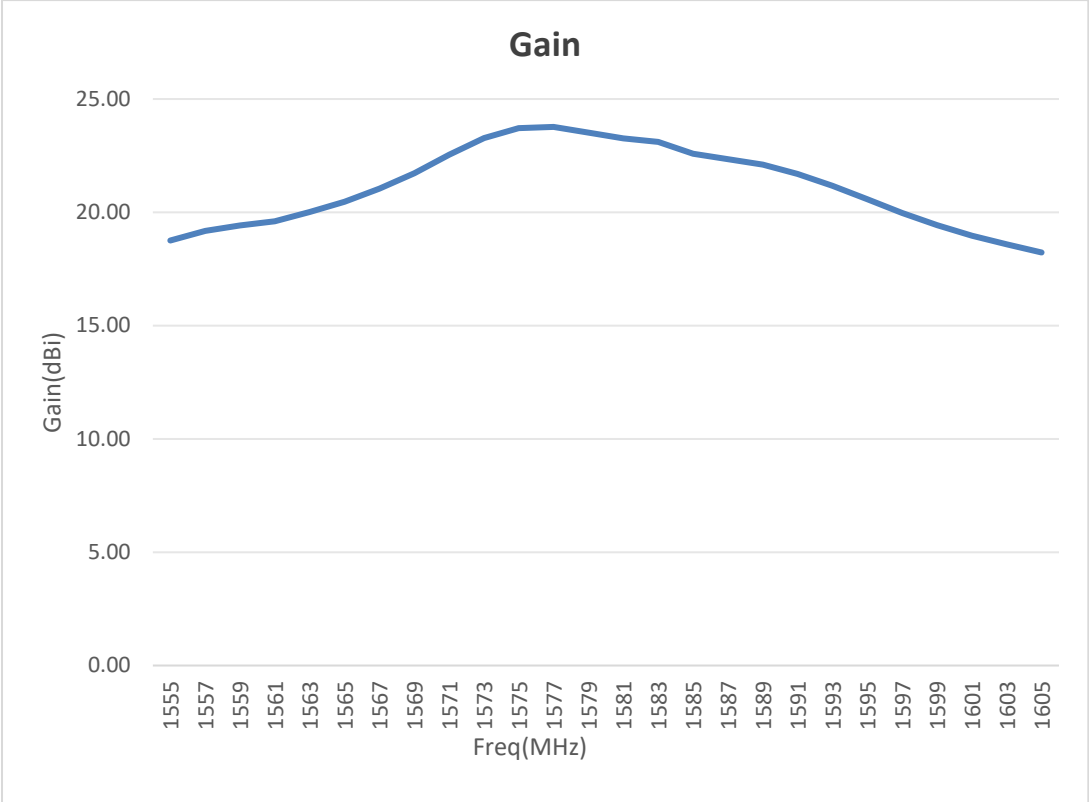
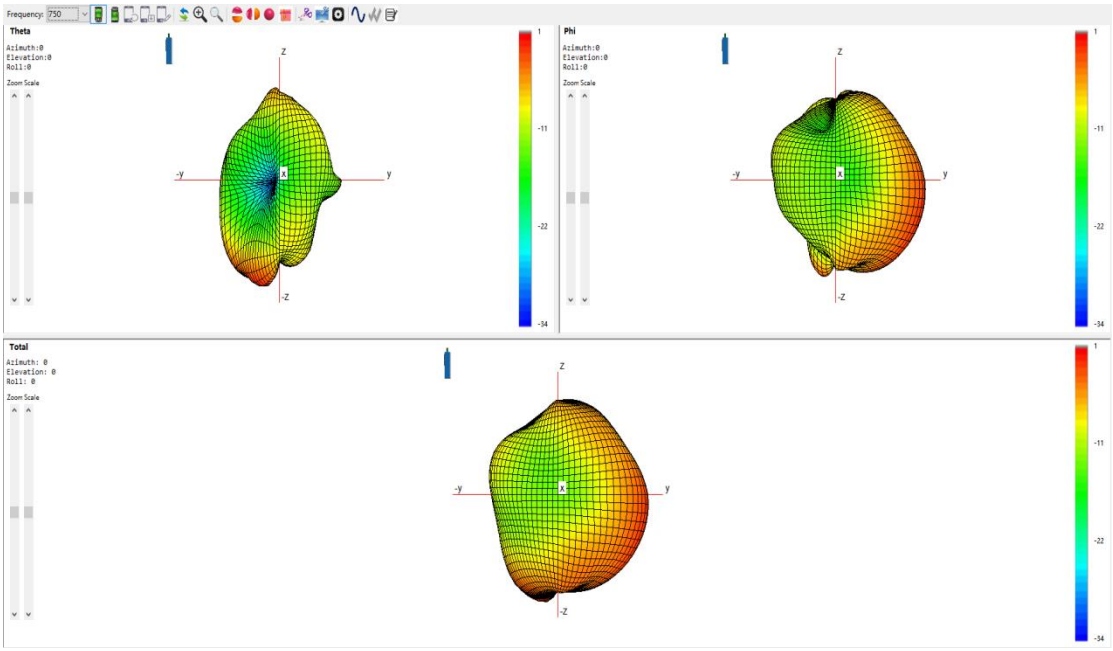
GPS



RADIATION PATTERNS

5G-1

3D Radiation Pattern at 750MHz Gain=-3.74dBi



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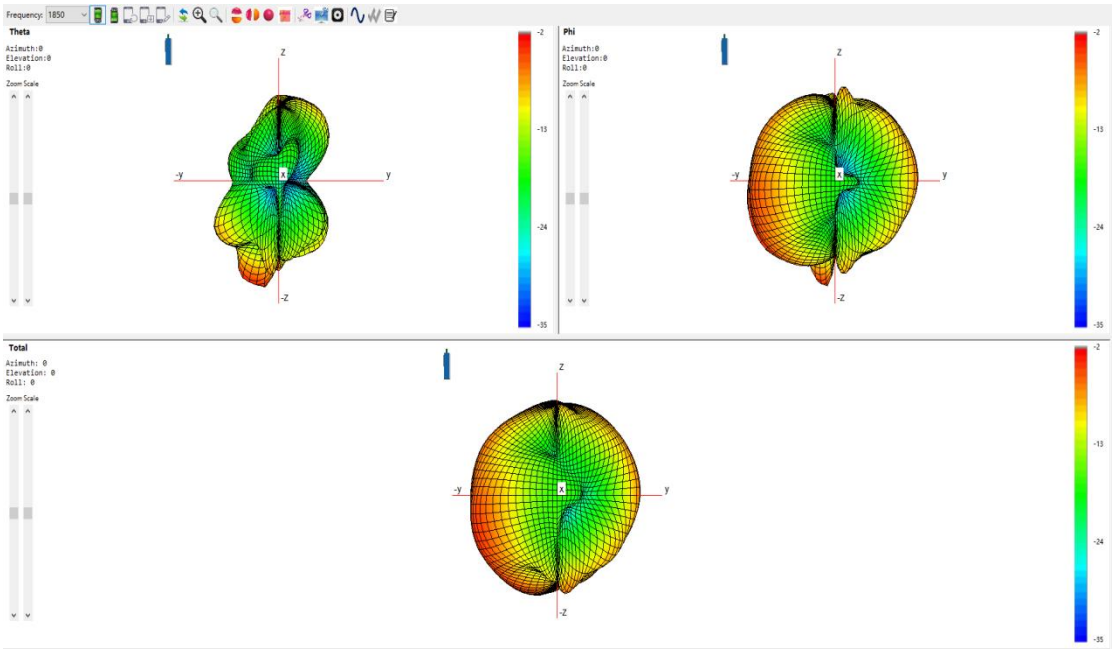
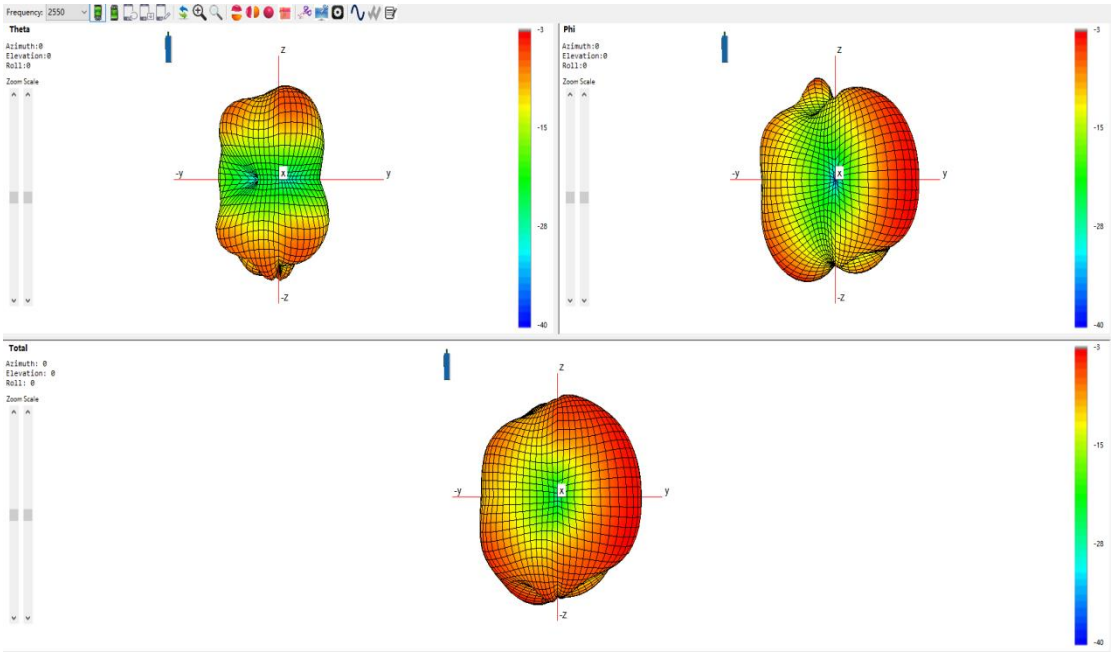
3D Radiation Pattern at 1850MHz Gain=-2.6dBi



3D Radiation Pattern at 2550MHz Gain=-3.84dBi



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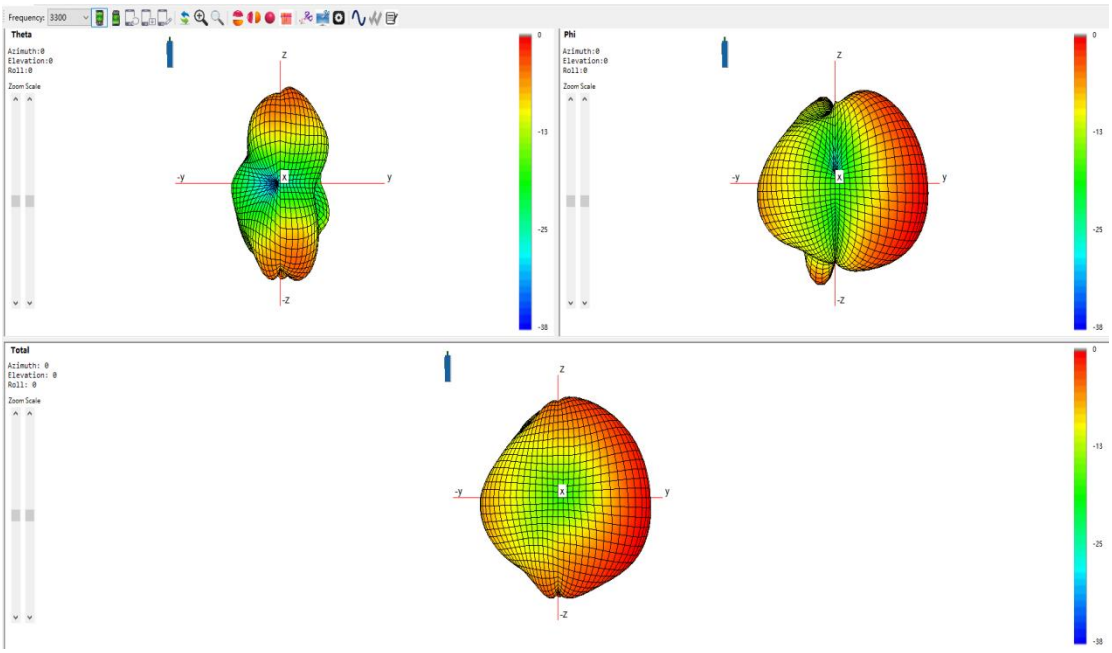
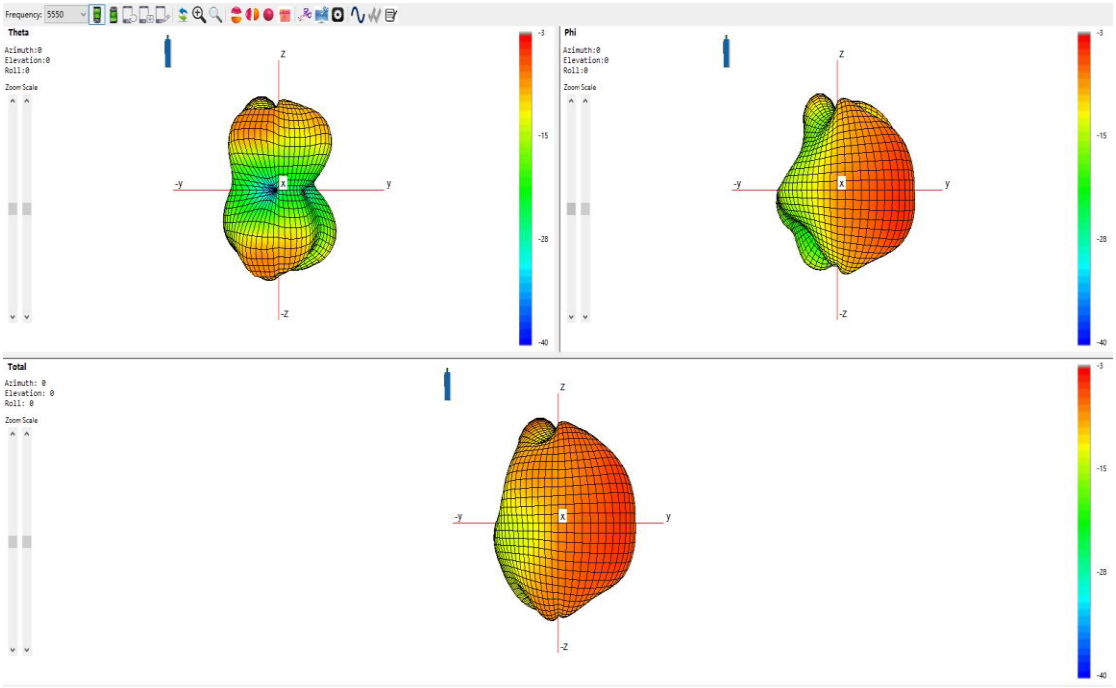
3D Radiation Pattern at 3300MHz Gain=-0.04dBi



3D Radiation Pattern at 5550MHz Gain=-3.86dBi



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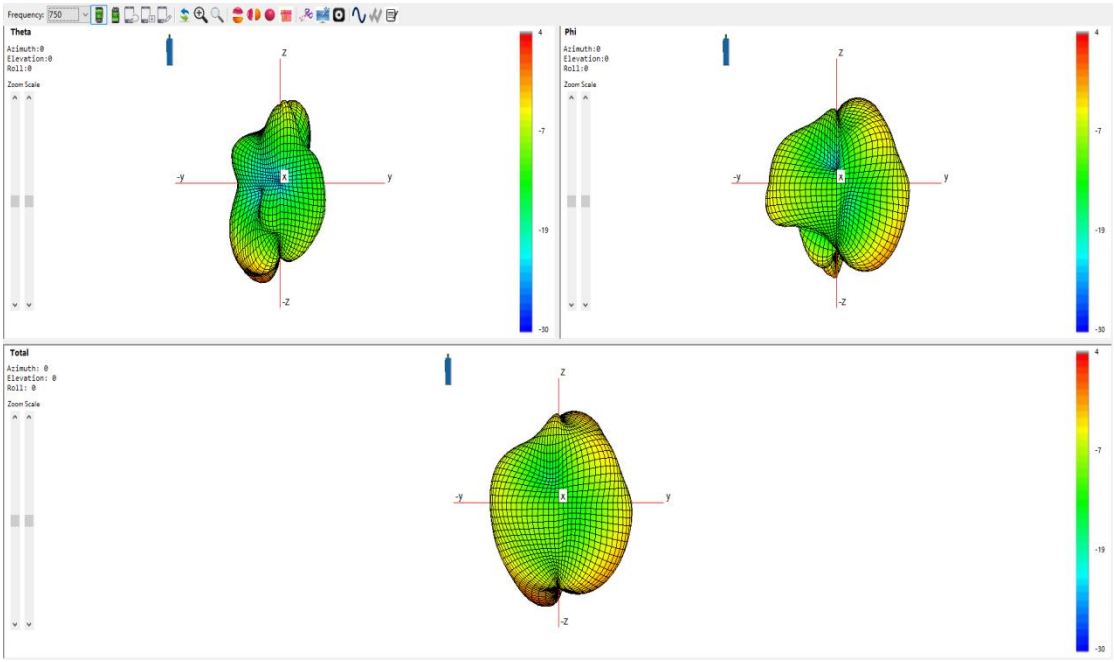
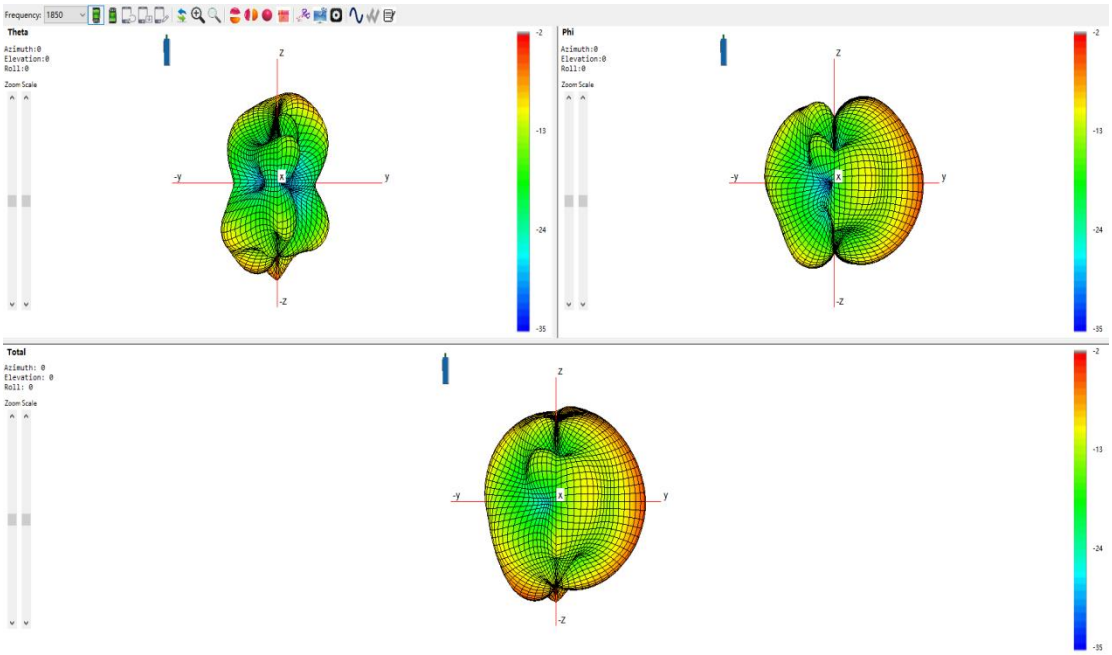
5G-2

3D Radiation Pattern at 750MHz Gain=3.94dBi



3D Radiation Pattern at 1850MHz Gain=-2.87dBi



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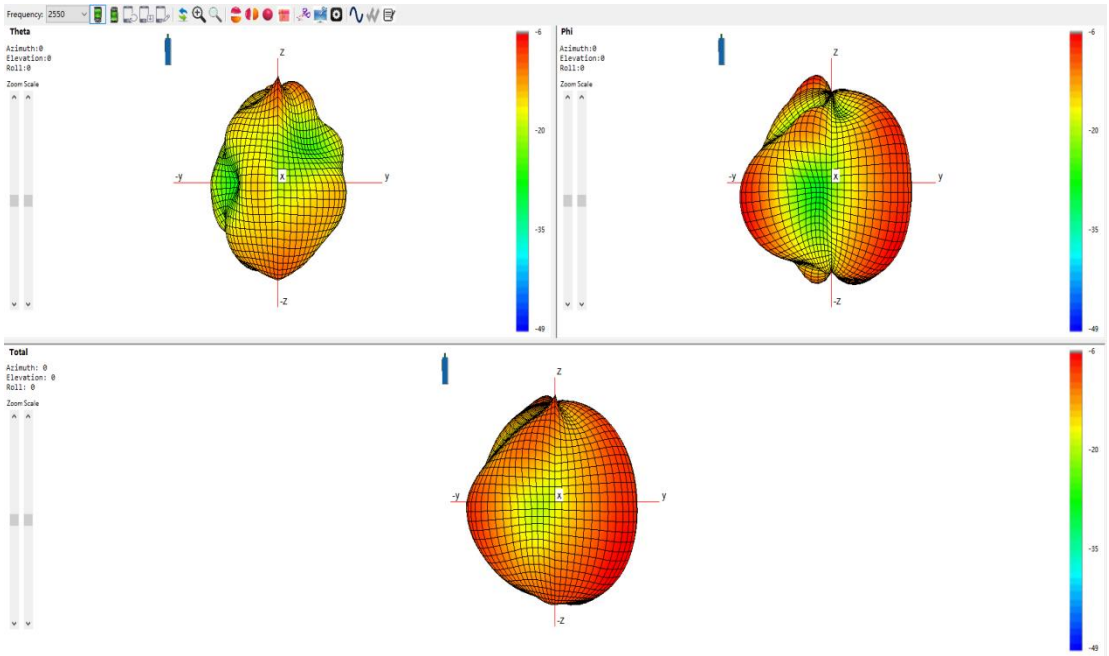
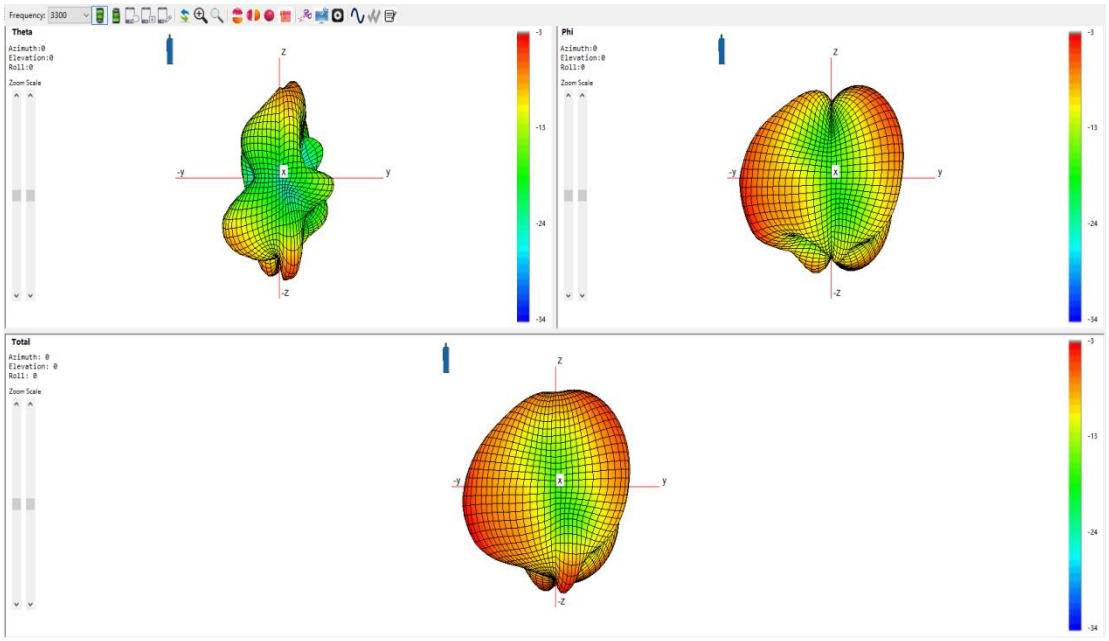
3D Radiation Pattern at 2550MHz Gain=-6.1dBi



3D Radiation Pattern at 3300MHz Gain=-3.81dBi



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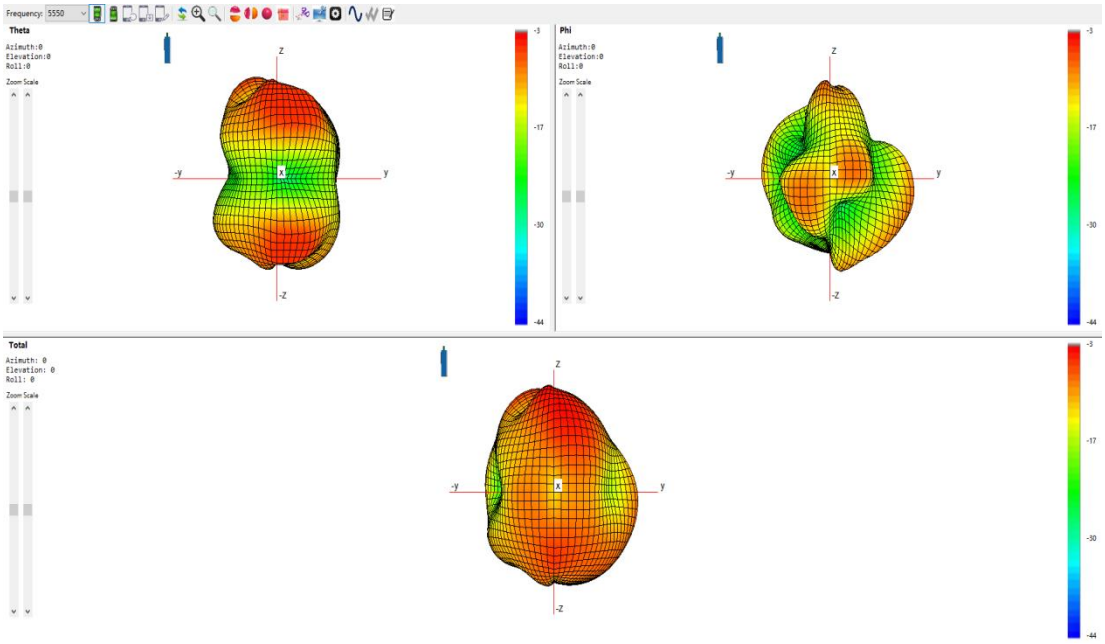
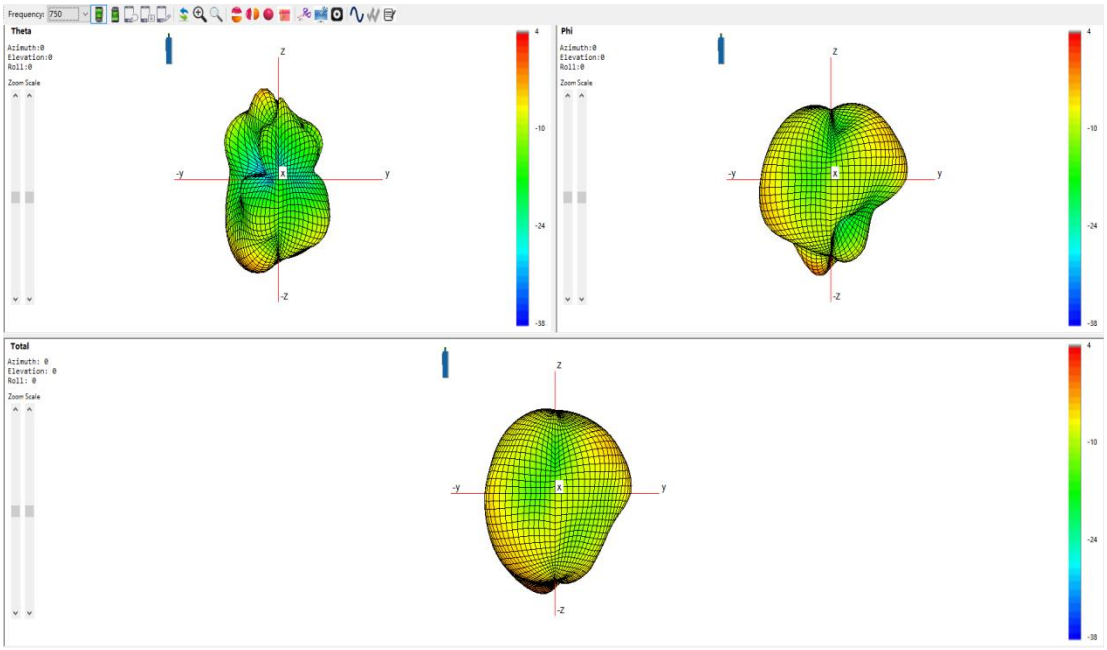
3D Radiation Pattern at 5550MHz Gain=-3.73dBi



5G-3

3D Radiation Pattern at 750MHz Gain=3.07dBi



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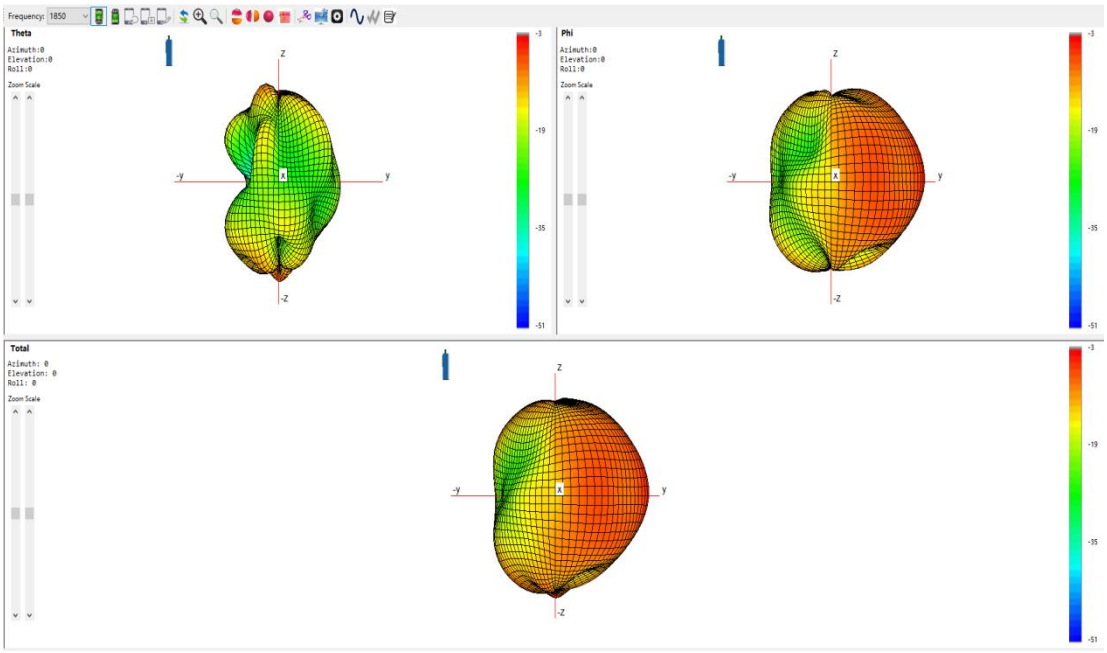
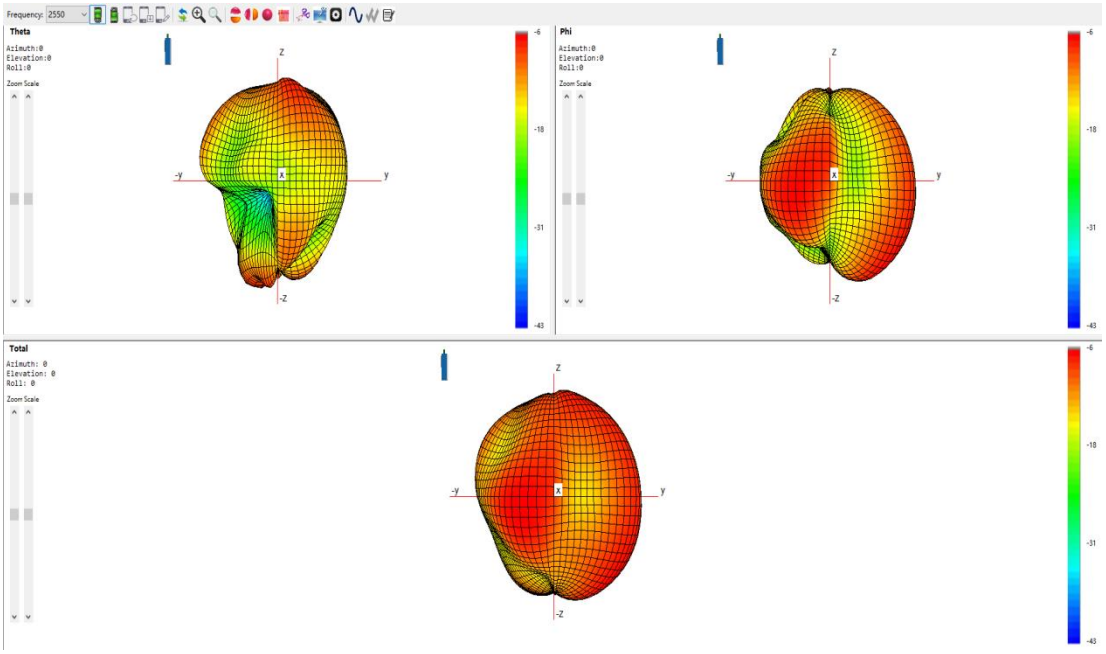
3D Radiation Pattern at 1850MHz Gain=-3.78dBi



3D Radiation Pattern at 2550MHz Gain=-6.42dBi



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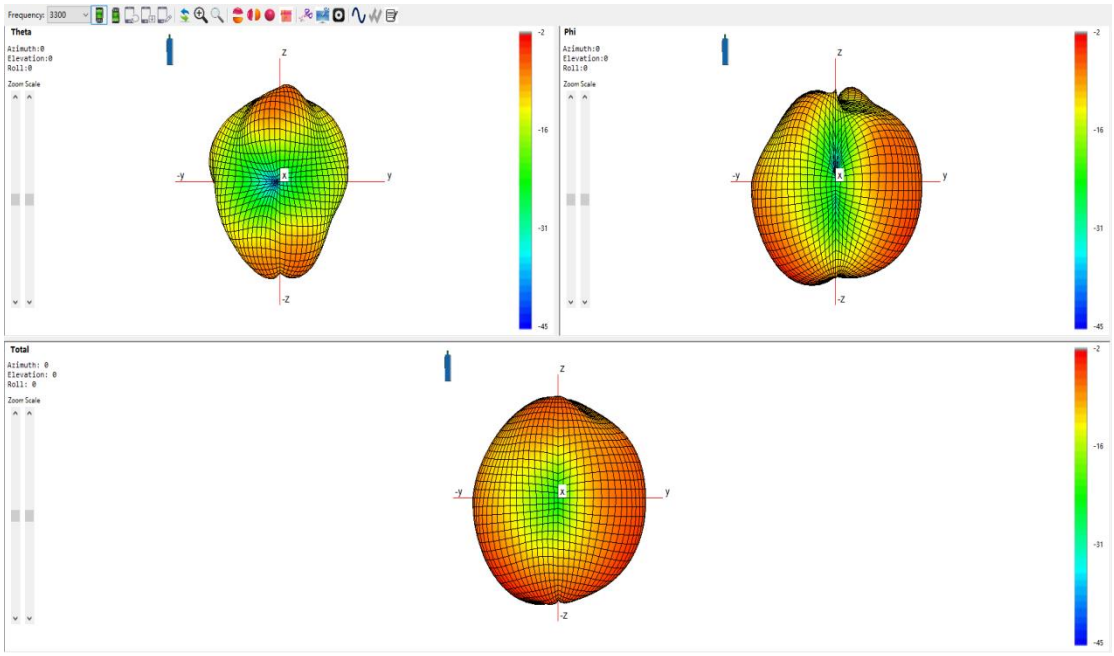
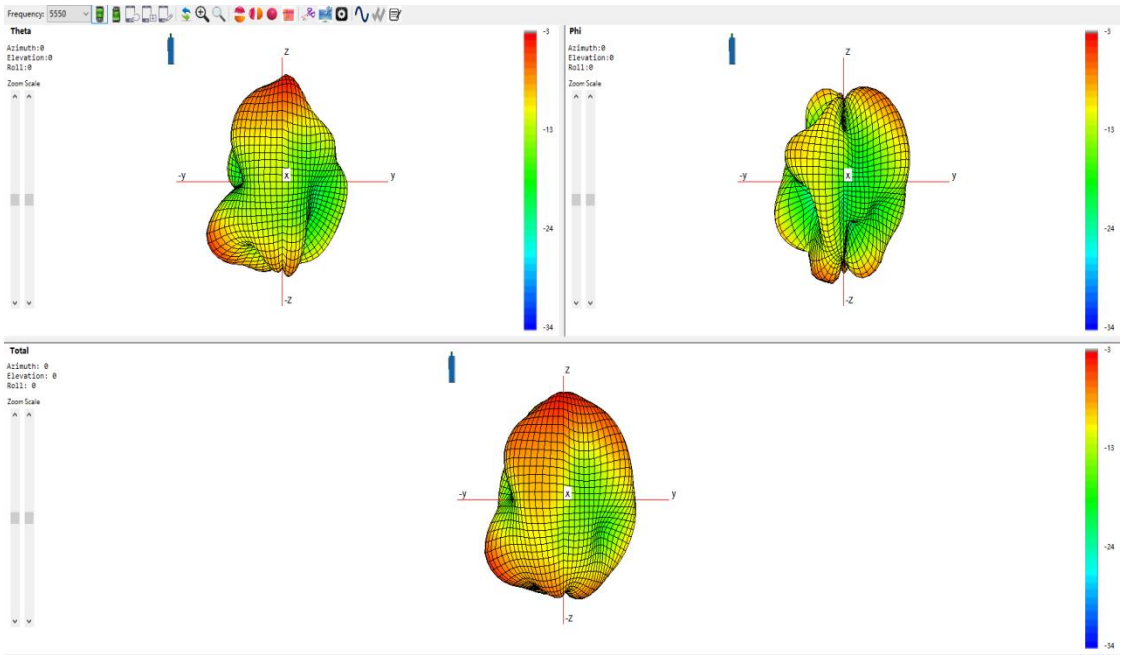
3D Radiation Pattern at 3300MHz Gain=-2.57dBi



3D Radiation Pattern at 5550MHz Gain=-3.91dBi



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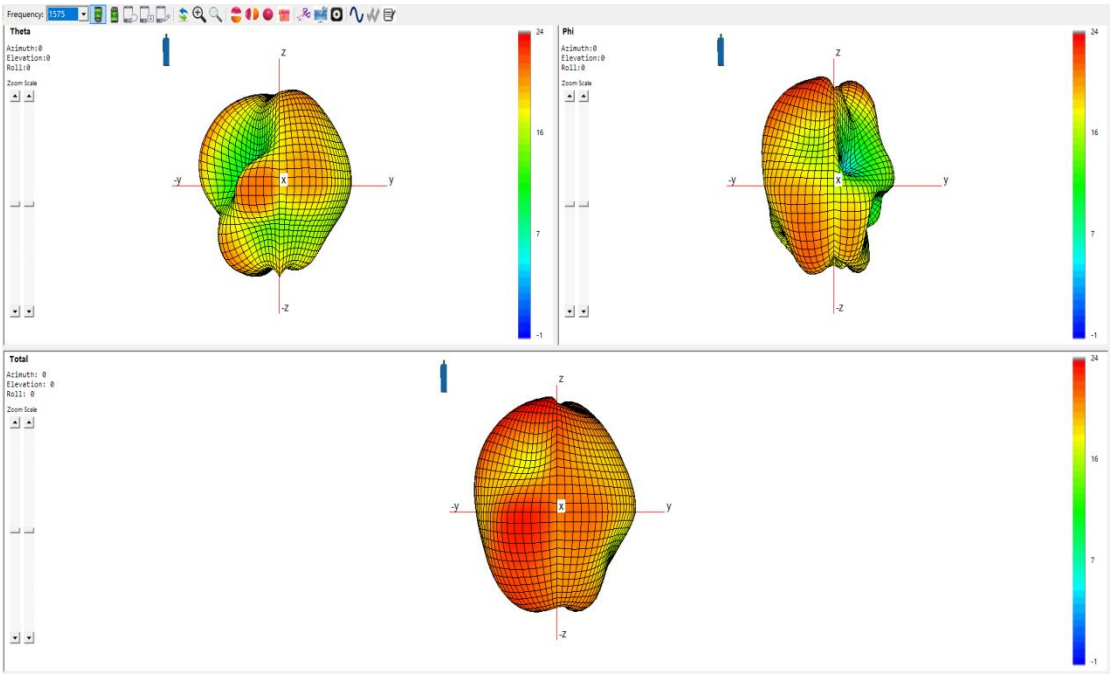
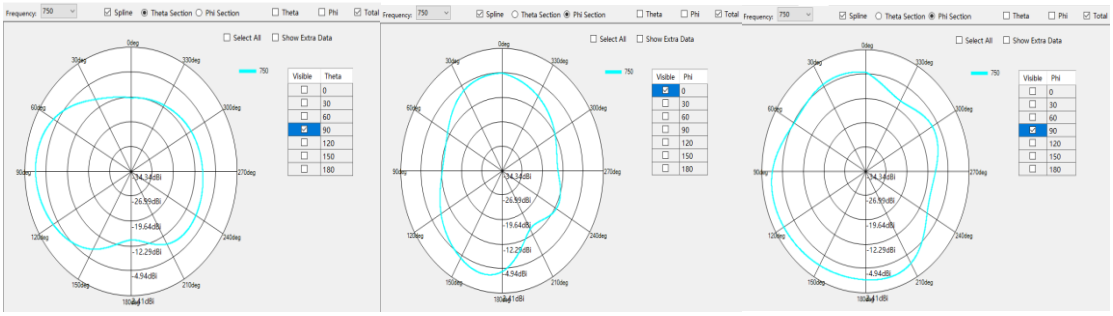
GPS

3D Radiation Pattern at 1575MHz Gain=23.71dBi

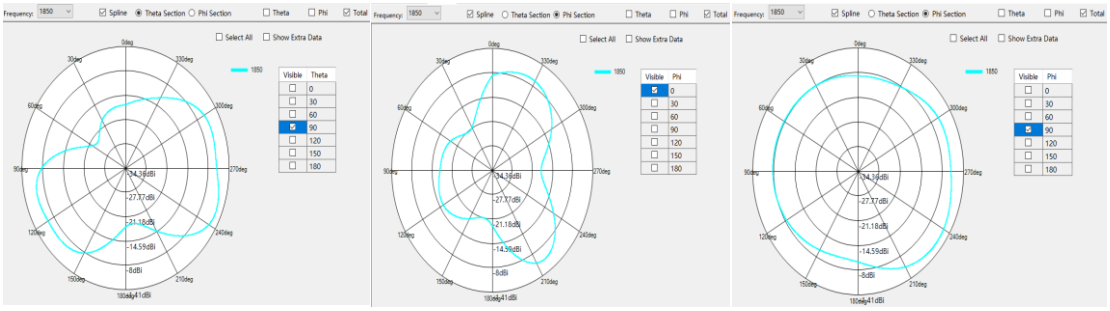


5G-1

2D Radiation Pattern at 750MHz Gain=-3.74dBi



2D Radiation Pattern at 1850MHz Gain=-2.6dBi



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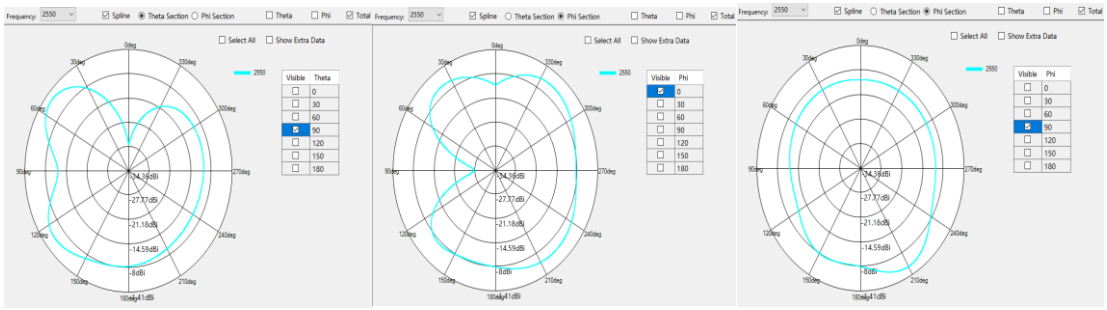
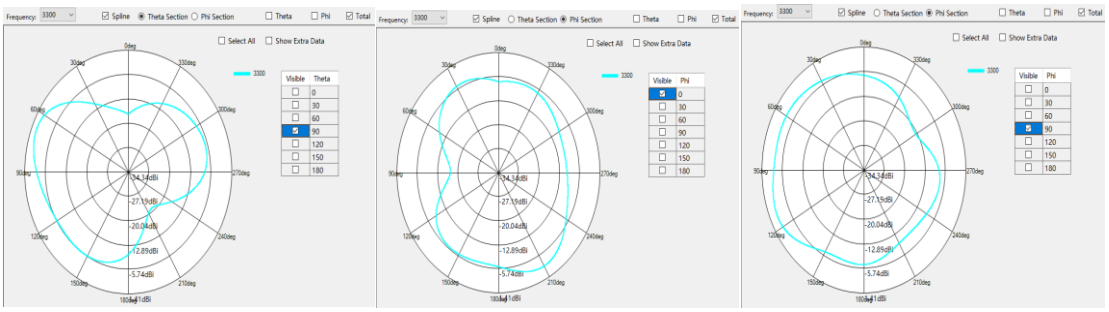
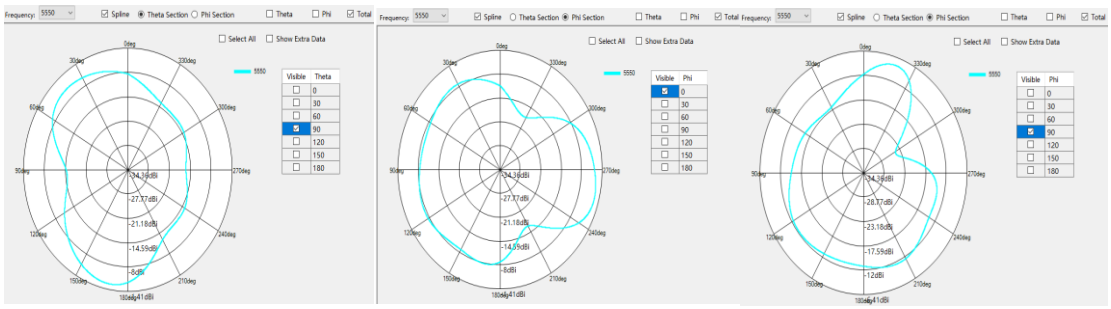
2D Radiation Pattern at 2550MHz Gain=-3.84dBi



2D Radiation Pattern at 3300MHz Gain=-0.04dBi

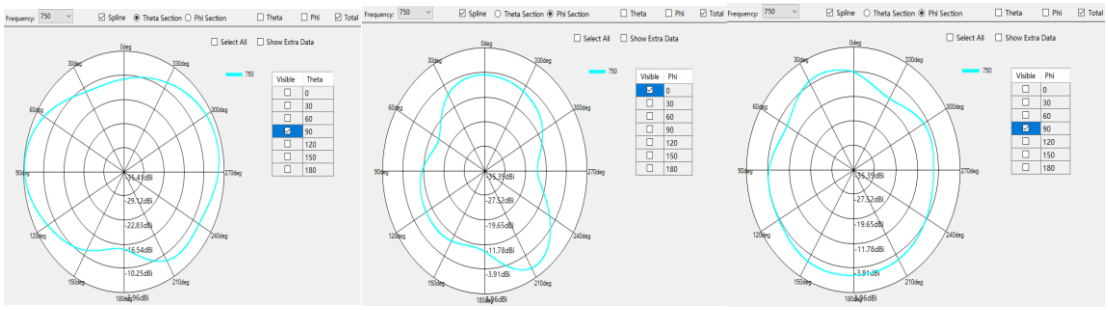


2D Radiation Pattern at 5550MHz Gain=-3.86dBi



5G-2

2D Radiation Pattern at 750MHz Gain=3.94dBi



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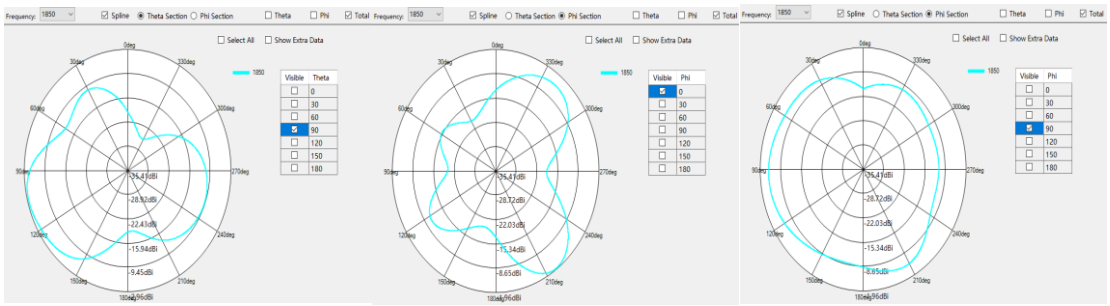
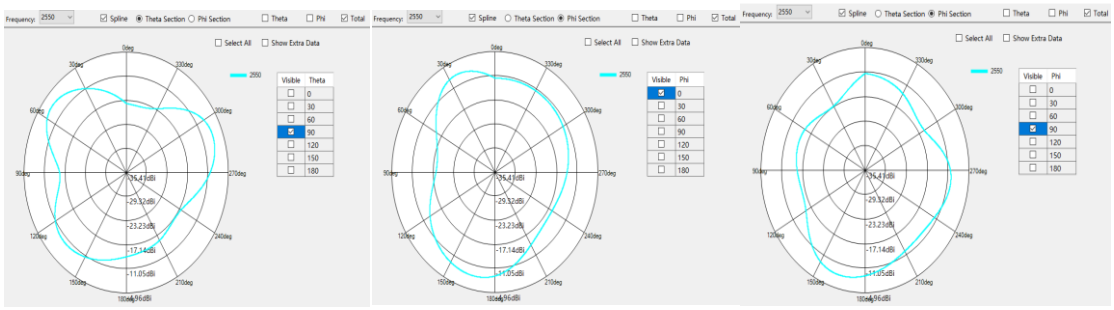
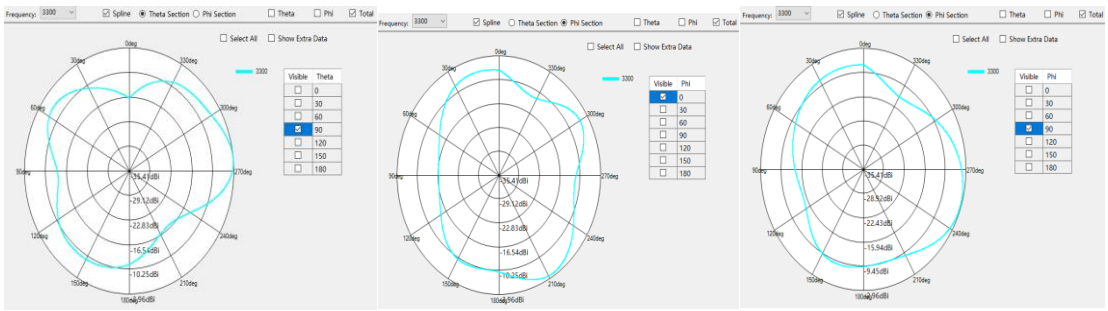
2D Radiation Pattern at 1850MHz Gain=-2.87dBi



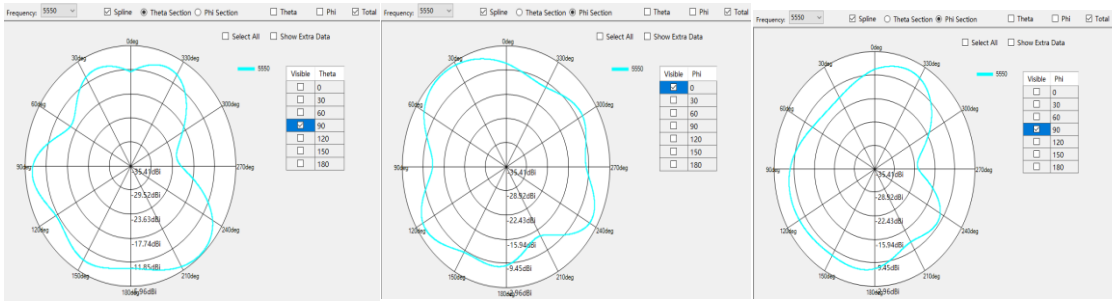
2D Radiation Pattern at 2550MHz Gain=-6.1dBi



2D Radiation Pattern at 3300MHz Gain=-3.81dBi



2D Radiation Pattern at 5550MHz Gain=-3.73dBi



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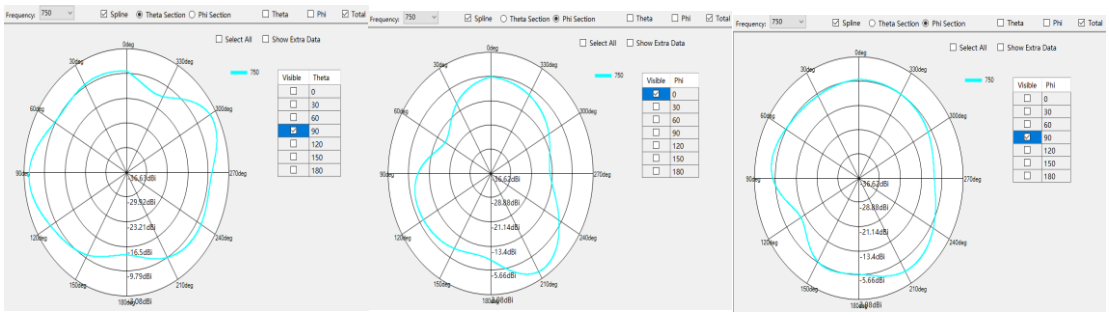
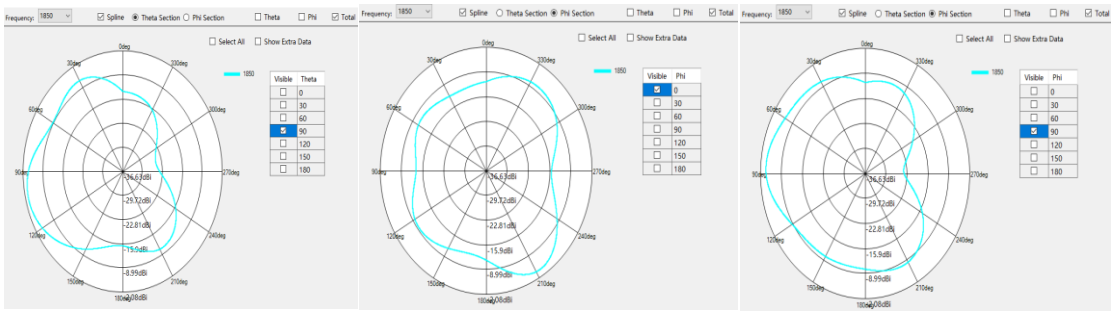
5G-3

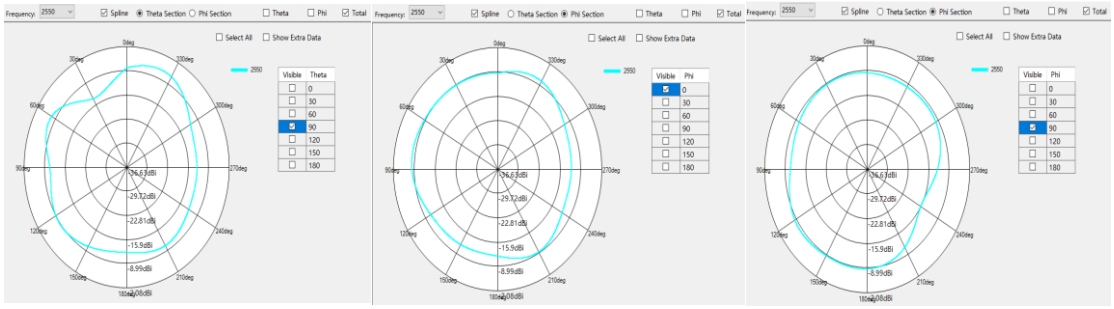
2D Radiation Pattern at 750MHz Gain=3.07dBi



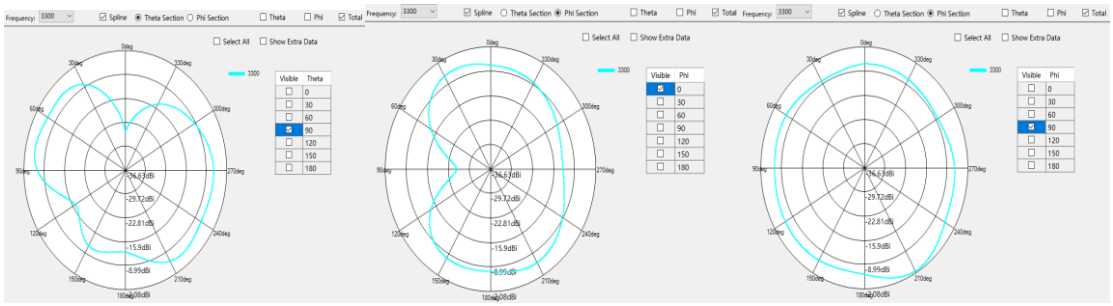
2D Radiation Pattern at 1850MHz Gain=-3.78dBi



2D Radiation Pattern at 2550MHz Gain=-6.42dBi



2D Radiation Pattern at 3300MHz Gain=-2.57dBi



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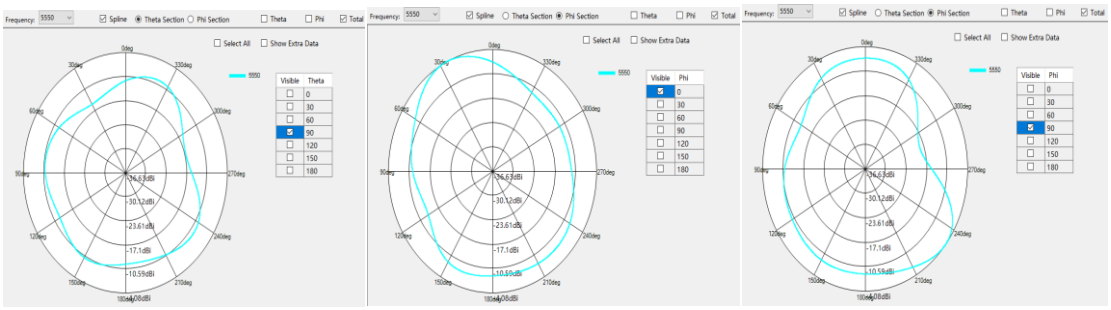
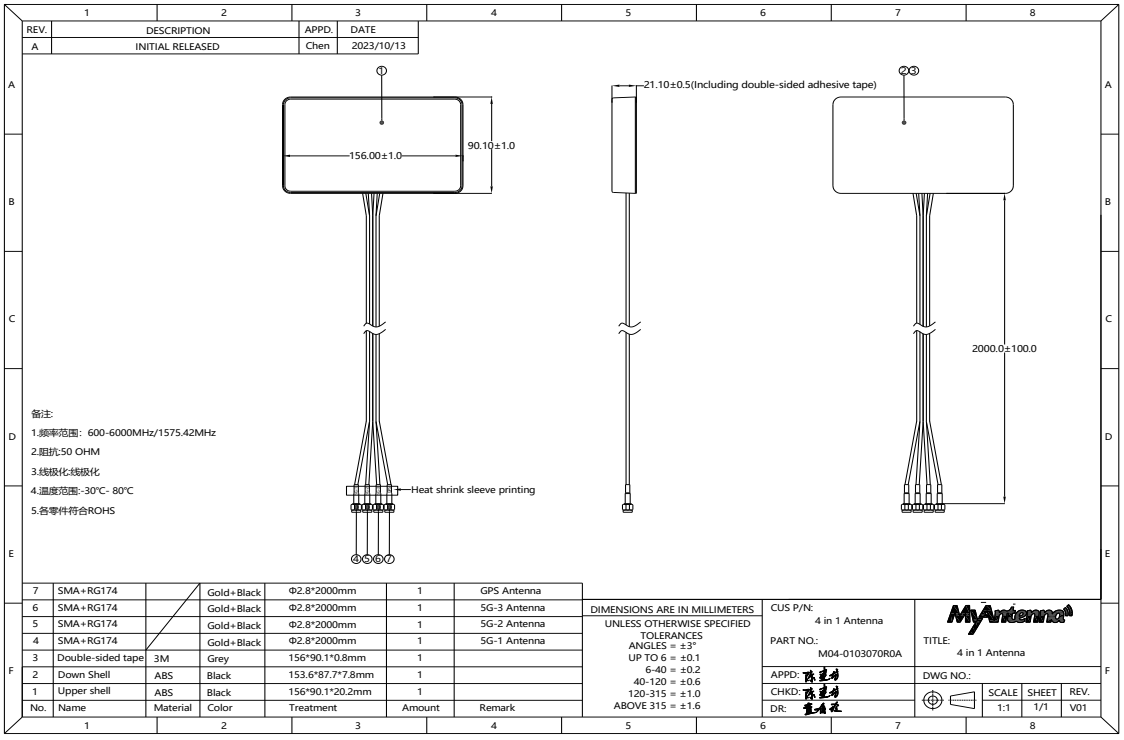
2D Radiation Pattern at 5550MHz Gain=-3.91dBi



HOUSING CONFIGURATIONS



REV.	DESCRIPTION	APPD.	DATE
A	INITIAL RELEASED	Chen	2023/10/13

No.	Name	Material	Color	Treatment	Amount	Remark
7	SMA+RG174		Gold+Black	Φ2.8*2000mm	1	GPS Antenna
6	SMA+RG174		Gold+Black	Φ2.8*2000mm	1	5G-3 Antenna
5	SMA+RG174		Gold+Black	Φ2.8*2000mm	1	5G-2 Antenna
4	SMA+RG174		Gold+Black	Φ2.8*2000mm	1	5G-1 Antenna
3	Double-sided tape	3M	Grey	156*90.1*0.8mm	1	
2	Down Shell	ABS	Black	153.6*87.7*7.8mm	1	
1	Upper shell	ABS	Black	156*90.1*20.2mm	1	

DIMENSIONS ARE IN MILLIMETERS
UNLESS OTHERWISE SPECIFIED
TOLERANCES
ANGLES = ±3°
UP TO 6 = ±0.1
6-40 = ±0.2
40-120 = ±0.6
120-315 = ±1.0
ABOVE 315 = ±1.6

CUS P/N: 4 in 1 Antenna
PART NO.: M04-0103070R0A
APPD:
CHKD:
DR:

TITLE: 4 in 1 Antenna
DWG NO.:
SCALE 1:1 | SHEET 1/1 | REV. V01

Aboosty™ is owned by Shenzhen MyAntenna RF Technology Co., Ltd. (often abbreviated as MyAntenna).

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