Antenna Datasheet

Product OC: YEMN208M1AM
Version: 1.0
Date: 2026-02-09
Status: Released

Product Name: 4G 2in1 Screw Mount Monopole External Antenna
Key Features:
Frequency Band: 4G × 2: 698–960 MHz, 1710–2690 MHz
Dimensions: Φ 81 mm × 15.5 mm
Efficiency: Up to 40% (4G FS)
RoHS Compliant
IP67

Overview

YEMN208M1AM is a 4G 2in1 screw mount monopole antenna measuring Φ 81 mm × 15.5 mm. This ultra-wide-band 4G antenna provides broad coverage from 698–960 MHz, 1710–2690 MHz whilst offering backward-compatibility to support 3G and 2G networks as well as LTE Cat-M and narrowband IoT (NB-IoT). The antenna is available with connection via 2 cable lengths from 1500 mm, terminated with SMA Male connectors. Ideal for applications where the antenna is required to be discrete, this low profile, screw mount omni-directional antenna is easy to install with maximum durability assured thanks to its IP67 rated enclosure. It is compatible with Quectel's RM520x Series modules.

YEMN208M1AM has 2 × 4G antennas. It allows high efficiency, stable signal transmission and 4G bands from 698–960 MHz and 1710–2690 MHz. In the meantime, this product also offers high isolation between antennas to avoid self-interference. All in all, this unique product is designed to provide stable and high-speed data connection to 4G applications.

- **Typical Applications Include:**

✓ Telematics
✓ Transportation
✓ remote monitoring applications.

Quectel provides comprehensive antenna design support such as simulation, testing and manufacturing for custom antenna solutions to meet your specific application needs. We have regional R & D centers to offer quick response to meet your requirements. Please contact our sales & FAEs if you have any requests.

Contents

1 Specification

Test Condition: In Free Space & On 300 mm × 300 mm Metal Plane

1.1. Electrical

Electrical Specifications		
Frequency Range	**4G**	698–960 MHz, 1710–2690 MHz
	4G DIV	698–960 MHz, 1710–2690 MHz
Radiation Pattern	**4G**	Omni-directional
	4G DIV	Omni-directional
Polarization	**4G**	Linear
	4G DIV	Linear
Impedance		50 Ω
Isolation	**FS**	≤ -9.9 dB
	MP	≤ -11.5 dB

Note:
FS: In Free Space
MP: On 300 mm × 300 mm Metal Plane

1.1.1. 4G

Band / SPEC	Band	B71	B12 /B13 /B28	B5 /B8 /B26	n74 /n75 /n76	B1 /B2 /B3	B40	Wi-Fi 2G	B38 /B41	B42 /B48 /n77	n79	Wi-Fi 5G
	Freq. (MHz)	600–700	700–810	820–960	1420–1520	1700–2170	2300–2400	2400–2500	2500–2690	3300–4200	4400–5000	5150–5850
Max VSWR	FS	-	2.5	1.7	-	1.8	1.6	1.5	1.8	-	-	-
	MP	-	3.0	2.9	-	2.9	2.5	2.4	2.5	-	-	-
Max Return Loss (dB)	FS	-	-7.4	-11.4	-	-10.7	-12.5	-13.9	-10.5	-	-	-
	MP	-	-6.0	-6.3	-	-6.2	-7.4	-7.8	-7.3	-	-	-
AVG Eff. (%)	FS	-	29.5	36.1	-	34.4	39.7	37.4	34.7	-	-	-
	MP	-	28.1	33.0	-	20.1	20.8	21.0	20.2	-	-	-
AVG.AVG Gain (dB)	FS	-	-5.3	-4.4	-	-4.6	-4.0	-4.3	-4.6	-	-	-
	MP	-	-5.5	-4.8	-	-7.0	-6.8	-6.8	-6.9	-	-	-
Max Peak Gain (dBi)	FS	-	0.6 (770)	2.2 (920)	-	0.9 (1790)	0.6 (2370)	0.5 (2400)	0.3 (2520)	-	-	-
	MP	-	0.6 (810)	1.5 (940)	-	0.6 (1870)	0.2 (2390)	0.2 (2460)	0.2 (2640)	-	-	-
VSWR	FS	≤ 2.5										
	MP	≤ 3.0										
Return Loss	FS	≤ -7.4 dB										
	MP	≤ -6.0 dB										
Peak Gain	FS	≤ 2.2 dBi										
	MP	≤ 1.5 dBi										

Note:

FS: In Free Space

MP: On 300 mm × 300 mm Metal Plane

1.1.2. 4G DIV

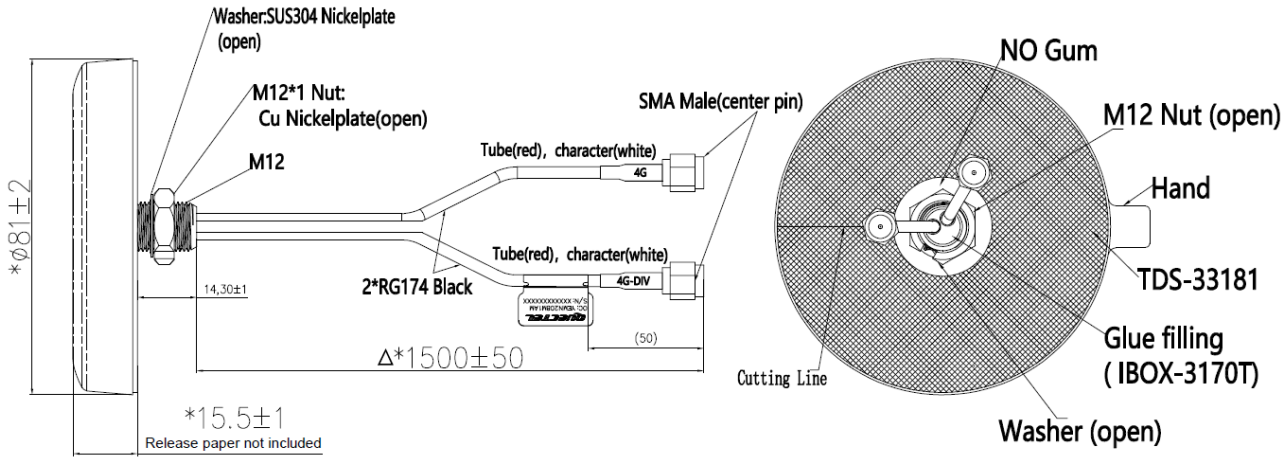
Band / SPEC	Band	B71	B12 /B13 /B28	B5 /B8 /B26	n74 /n75 /n76	B1 /B2 /B3	B40	Wi-Fi 2G	B38 /B41	B42 /B48 /n77	n79	Wi-Fi 5G
	Freq. (MHz)	600–700	700–810	820–960	1420–1520	1700–2170	2300–2400	2400–2500	2500–2690	3300–4200	4400–5000	5150–5850
Max VSWR	FS	-	2.1	2.4	-	2.1	2.1	2.3	2.5	-	-	-
	MP	-	2.8	4.0	-	3.1	2.8	2.6	2.6	-	-	-
Max Return Loss (dB)	FS	-	-9.1	-7.6	-	-9.1	-8.8	-8.3	-7.2	-	-	-
	MP	-	-6.6	-4.4	-	-5.8	-6.4	-7.1	-6.9	-	-	-
AVG Eff. (%)	FS	-	37.3	34.2	-	28.1	28.4	24.2	19.5	-	-	-
	MP	-	30.3	23.8	-	9.4	10.4	15.1	17.1	-	-	-
AVG.AVG Gain (dB)	FS	-	-4.3	-4.7	-	-5.5	-5.5	-6.2	-7.1	-	-	-
	MP	-	-5.2	-6.3	-	-10.7	-9.8	-8.2	-7.7	-	-	-
Max Peak Gain (dBi)	FS	-	0.5 (810)	1.3 (890)	-	2.6 (1760)	-0.1 (2320)	-1.1 (2400)	-1.4 (2540)	-	-	-
	MP	-	0.9 (700)	0.4 (820)	-	-1.1 (1830)	-1.6 (2400)	0.4 (2500)	0.9 (2530)	-	-	-
VSWR	FS	≤ 2.5										
	MP	≤ 4.0										
Return Loss	FS	≤ -7.2 dB										
	MP	≤ -4.4 dB										
Peak Gain	FS	≤ 2.6 dBi										
	MP	≤ 0.9 dBi										

Note:
FS: In Free Space
MP: On 300 mm × 300 mm Metal Plane

1.2. Mechanical & Environmental

Mechanical		
Antenna Dimensions		Φ 81 mm × 15.5 mm
Casing Material & Color		ABS & Black
Cable Type & Color & Length	**4G**	RG174 & Black & 1500 mm
	4G DIV	RG174 & Black & 1500 mm
Connector Type		SMA Male
Mounting Type		Screw
Weight		Typ. 93.93 g
Environmental		
Operation Temperature		-20 °C to +70 °C
Storage Temperature		-20 °C to +70 °C
Ingress Protection (IP) Rating		IP67
RoHS Compliant		Yes

2 Drawing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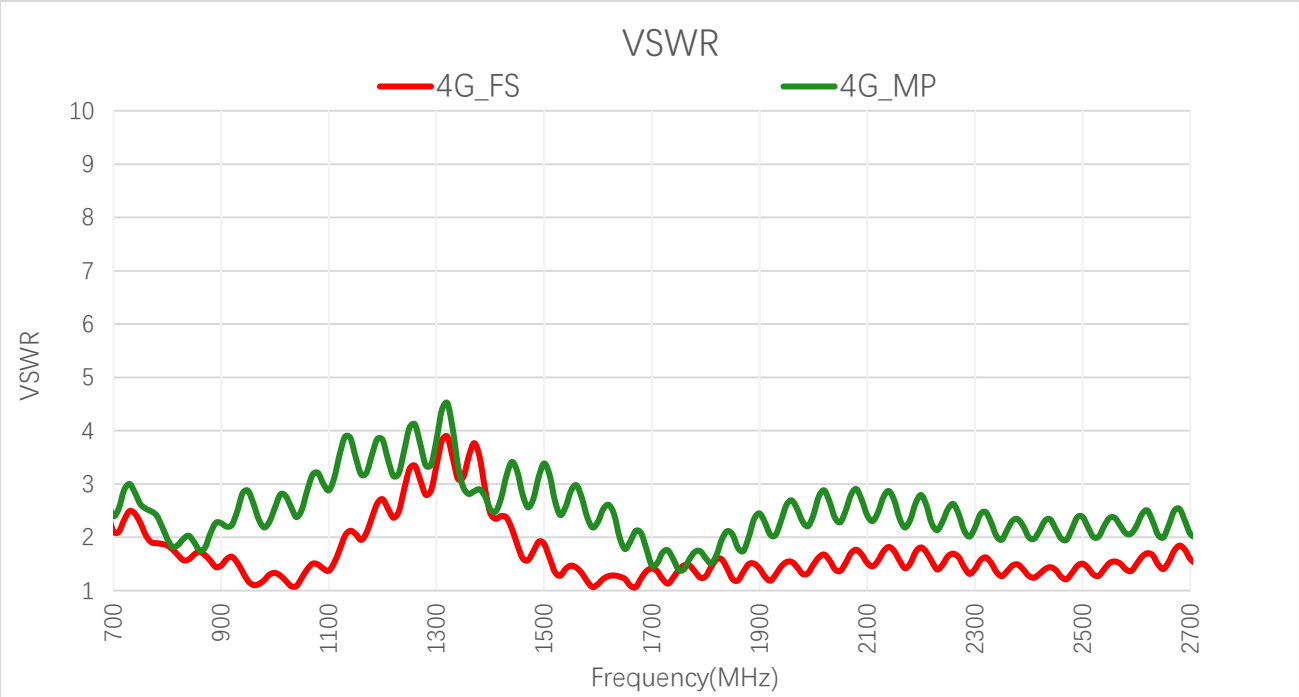
(open)
M12*1 Nut:
Cu Nickelplate(open)
M12
*ø81±2
14,30±1
2*RG174 Black
Tube(red), character(white)
4G
Tube(red), character(white)
4G-DIV
SMA Male(center pin)
Δ*1500±50
(50)
*15.5±1
Release paper not included
NO Gum
M12 Nut (open)
Hand
TDS-33181
Glue filling
(IBOX-3170T)
Washer (open)
Cutting Line

3 Detailed Performance

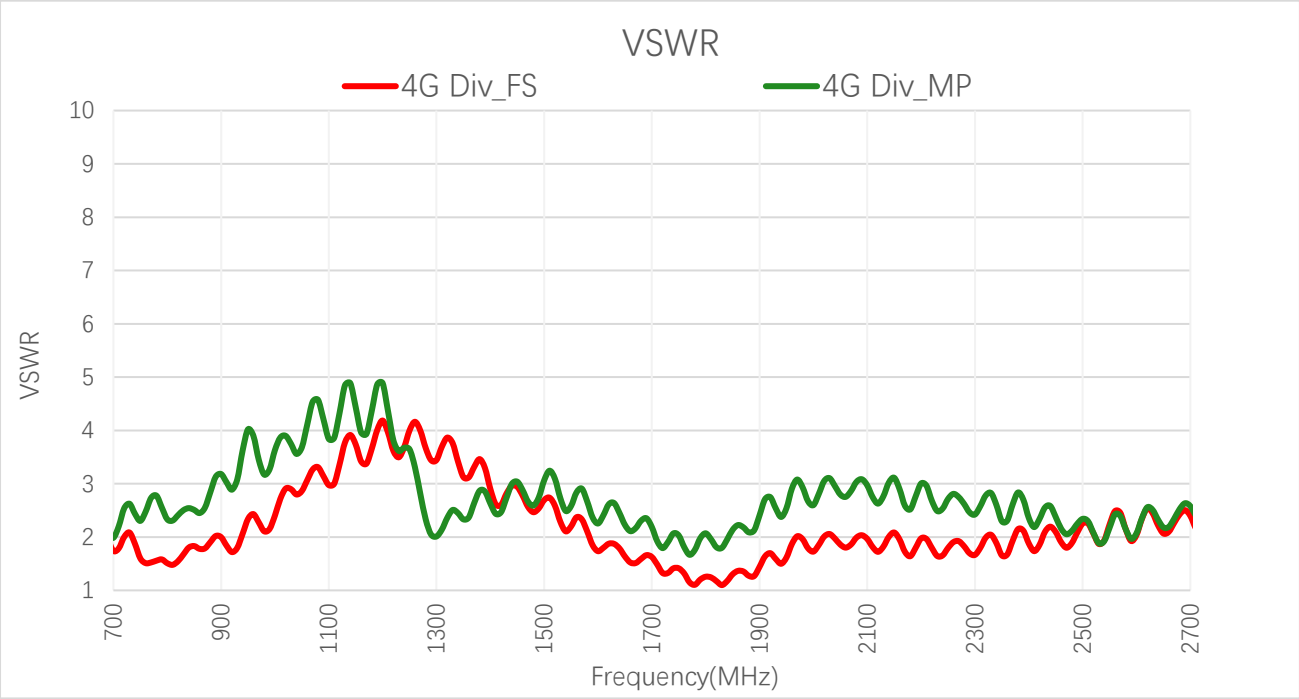
3.1. S-Parameter Test

3.1.1. VSWR



VSWR – 4G

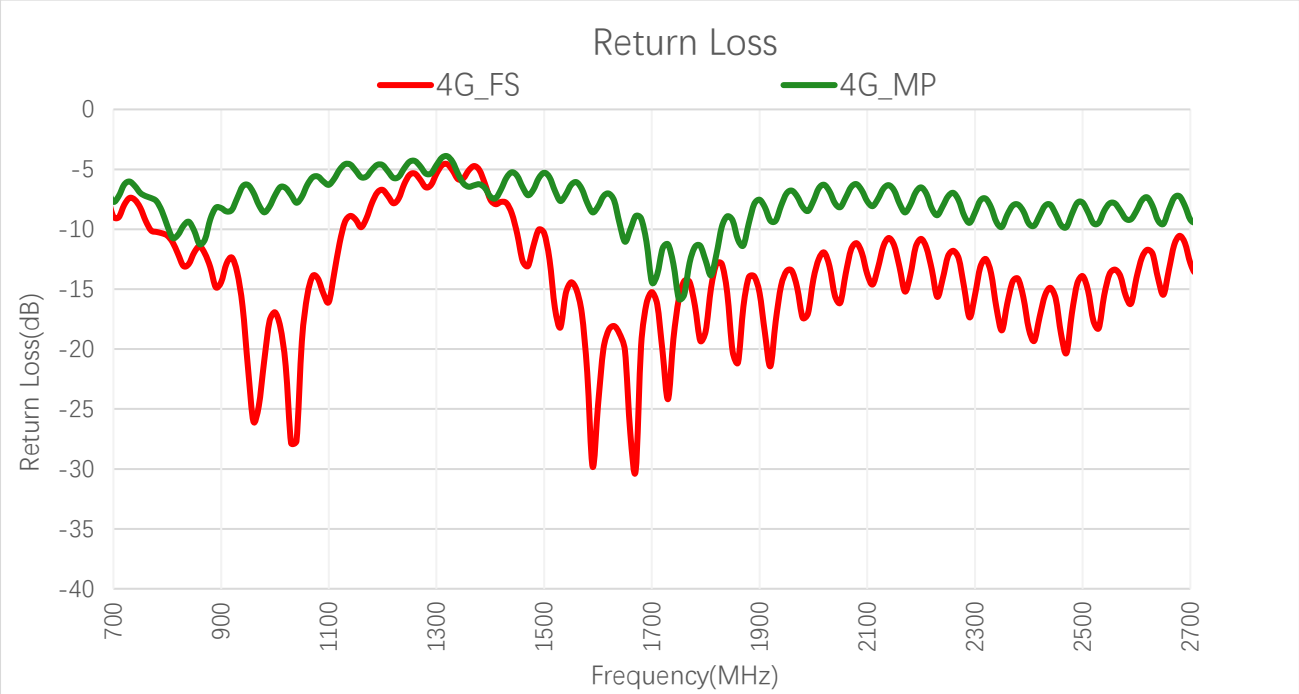
Frequency (MHz)	600	630	710	830	900	960	1440	1710	1740	1880
FS	-	-	2.1	1.6	1.5	1.1	-	1.4	1.2	1.5
MP	-	-	2.5	2.0	2.3	2.6	-	1.5	1.6	2.0
Frequency (MHz)	**1950**	**2140**	**2350**	**2450**	**2600**	**2690**	**4700**	**5000**	**5500**	**6000**
FS	1.5	1.8	1.3	1.4	1.5	1.8	-	-	-	-
MP	2.6	2.9	2.0	2.2	2.2	2.3	-	-	-	-



VSWR – 4G DIV

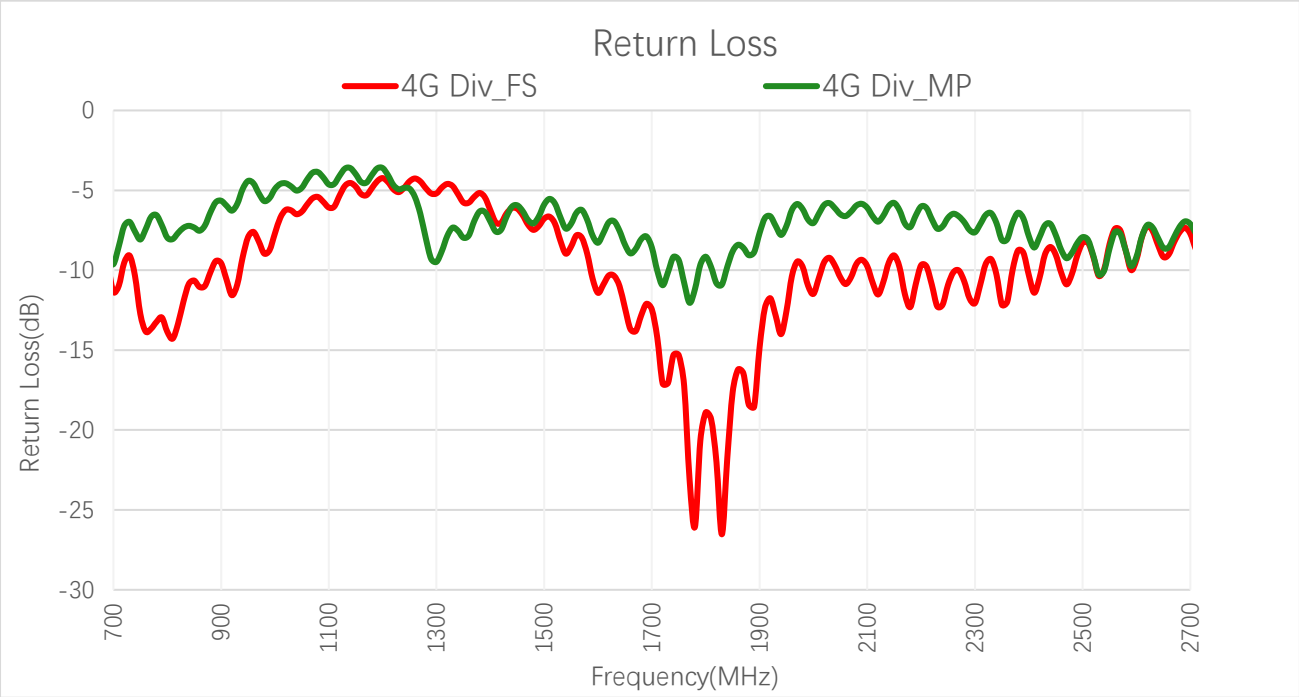
Frequency (MHz)	600	630	710	830	900	960	1440	1710	1740	1880
FS	-	-	1.8	1.7	2.0	2.4	-	1.5	1.4	1.3
MP	-	-	2.2	2.5	3.2	3.9	-	1.9	2.1	2.1
Frequency (MHz)	**1950**	**2140**	**2350**	**2450**	**2600**	**2690**	**4700**	**5000**	**5500**	**6000**
FS	1.6	2.0	1.7	2.1	2.0	2.5	-	-	-	-
MP	2.5	3.0	2.3	2.4	2.1	2.6	-	-	-	-

3.1.2. Return Loss



Return Loss (dB) – 4G

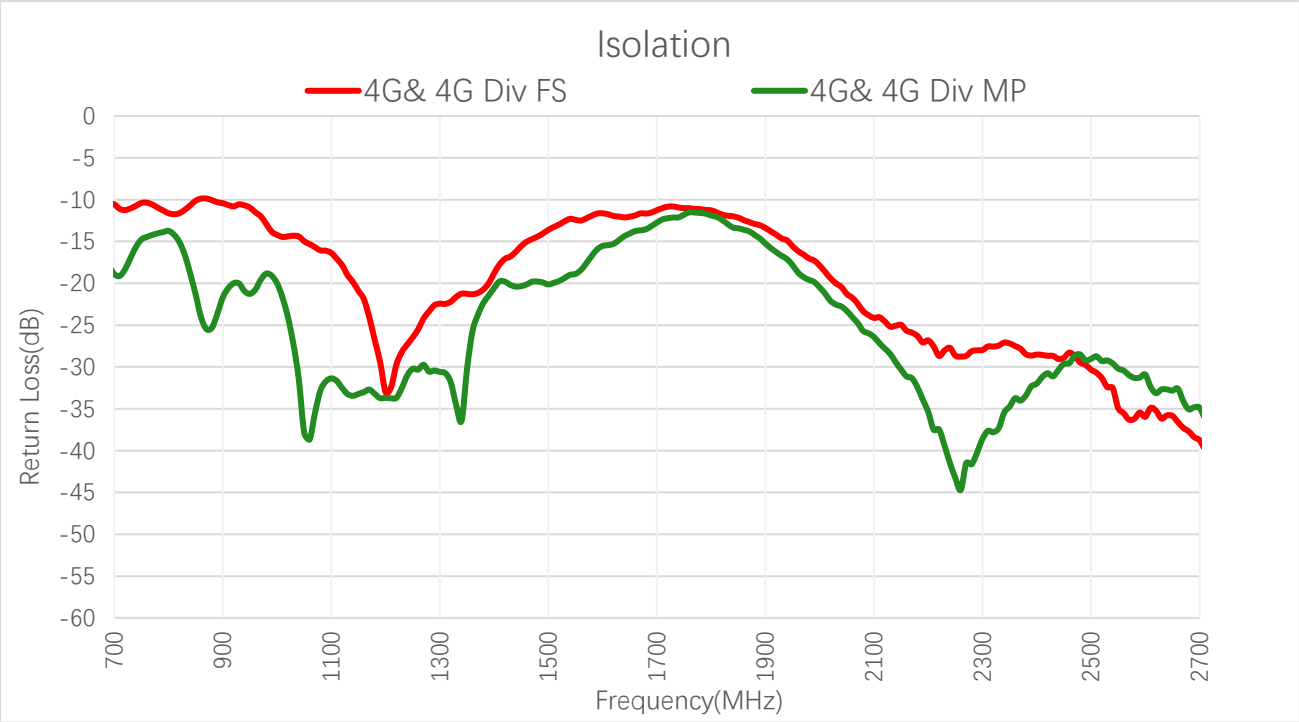
Frequency (MHz)	600	630	710	830	900	960	1440	1710	1740	1880
FS	-	-	-9.0	-13.1	-14.4	-26.0	-	-16.3	-19.2	-14.0
MP	-	-	-7.2	-9.7	-8.2	-6.9	-	-13.8	-12.9	-9.5
Frequency (MHz)	**1950**	**2140**	**2350**	**2450**	**2600**	**2690**	**4700**	**5000**	**5500**	**6000**
FS	-13.5	-10.7	-18.4	-15.8	-14.1	-11.2	-	-	-	-
MP	-7.0	-6.3	-9.8	-8.7	-8.5	-8.1	-	-	-	-



Return Loss (dB) – 4G DIV

Frequency (MHz)	600	630	710	830	900	960	1440	1710	1740	1880
FS	-	-	-11.0	-12.0	-9.6	-7.6	-	-14.2	-15.3	-18.4
MP	-	-	-8.5	-7.3	-5.7	-4.6	-	-10.0	-9.2	-9.1
Frequency (MHz)	**1950**	**2140**	**2350**	**2450**	**2600**	**2690**	**4700**	**5000**	**5500**	**6000**
FS	-12.6	-9.5	-12.2	-9.0	-9.3	-7.3	-	-	-	-
MP	-7.2	-6.0	-8.1	-7.8	-9.2	-6.9	-	-	-	-

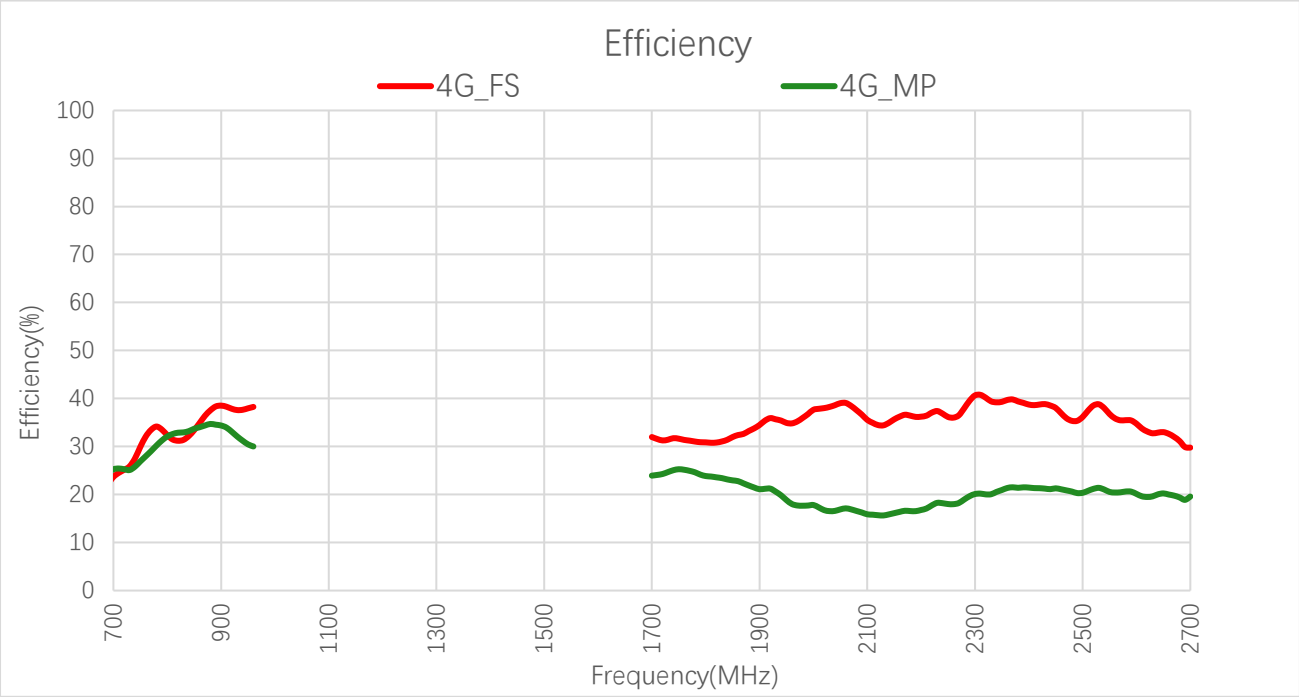
3.1.3. Isolation



Band	B71	B12/ B13/ B28	B5/ B8/ B26	n74/ n75/ n76	B1/ B2/ B3	B40	Wi-Fi 2G	B38/ B41	Wi-Fi 5G
Freq. (MHz)	**600–700**	**700–810**	**820–960**	**1420–1520**	**1700–2170**	**2300–2400**	**2400–2500**	**2500–2690**	**5150–5850**
FS	-	-10.4	-9.9	-	-10.8	-27.1	-28.3	-30.3	-
MP	-	-13.7	-15.1	-	-11.5	-32.0	-28.5	-28.7	-

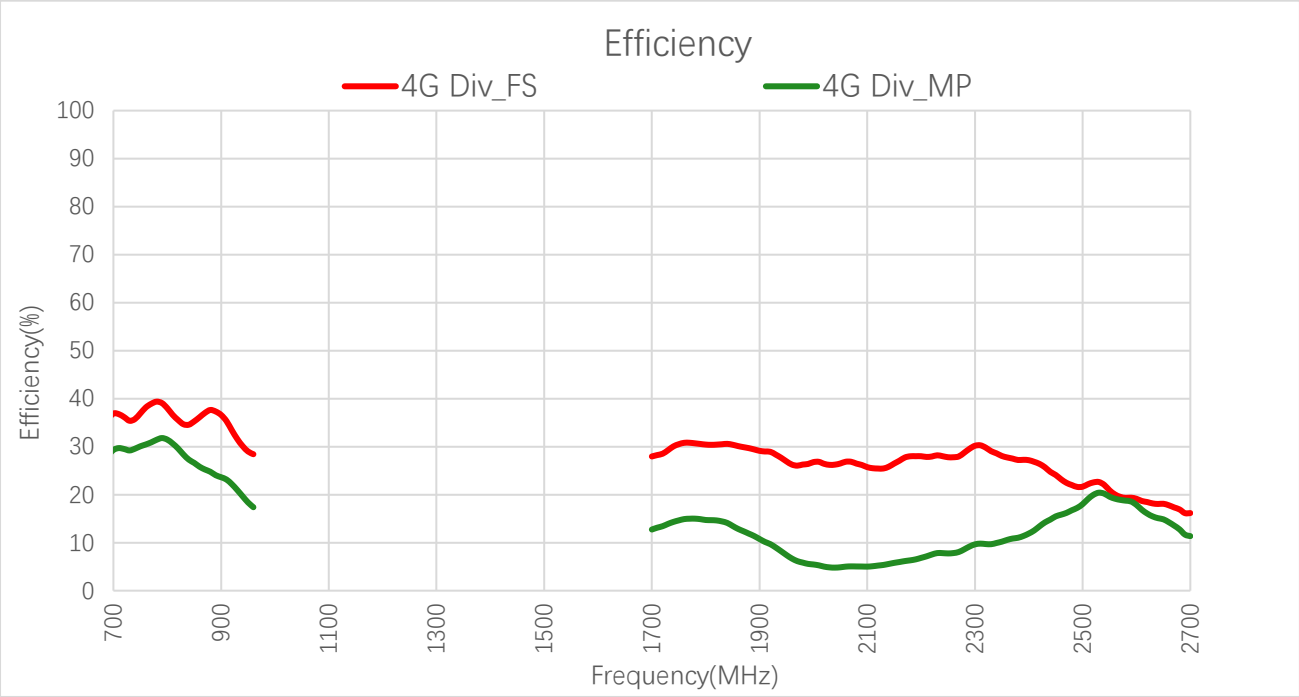
3.2. Radiation Performance Test

3.2.1. Efficiency



Efficiency (%) – 4G

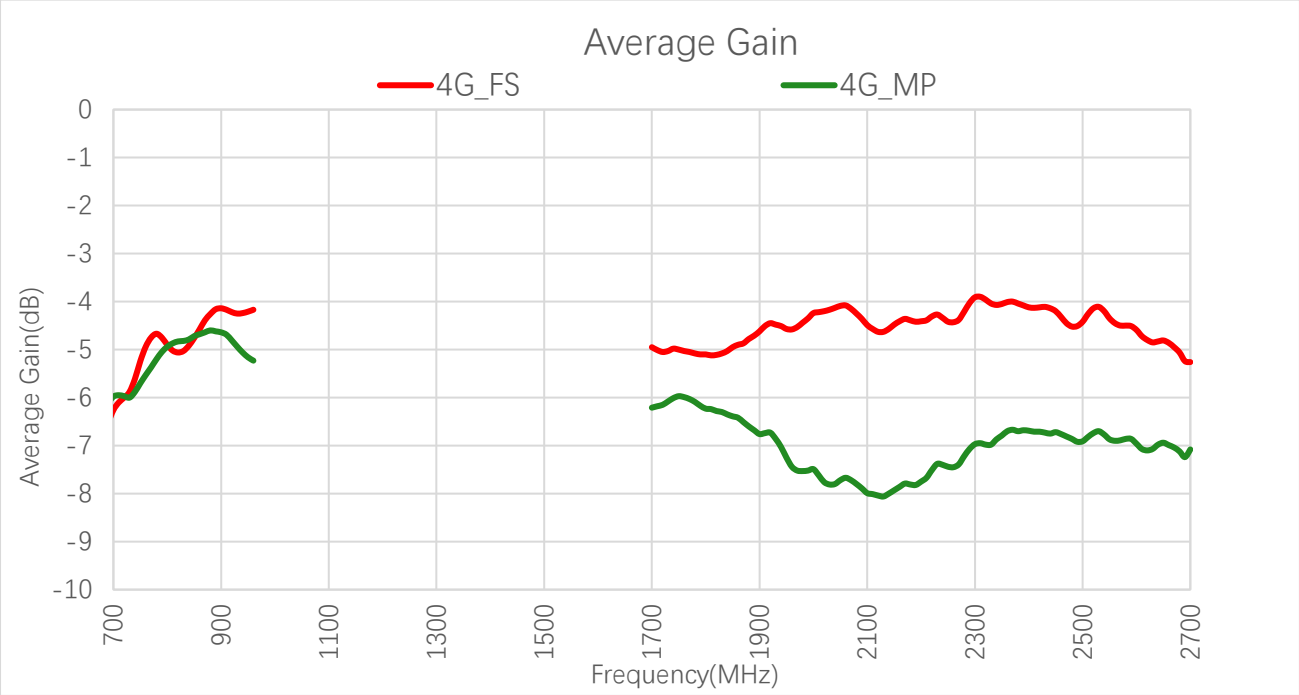
Frequency (MHz)	600	630	710	830	900	960	1440	1710	1740	1880
FS	-	-	24.5	31.4	38.5	38.3	-	31.6	31.7	33.2
MP	-	-	25.4	32.9	34.4	30.0	-	24.1	25.1	21.9
Frequency (MHz)	**1950**	**2140**	**2350**	**2450**	**2600**	**2690**	**4700**	**5000**	**5500**	**6000**
FS	34.9	34.9	39.3	38.0	34.8	29.9	-	-	-	-
MP	18.8	15.9	20.9	21.3	20.1	18.9	-	-	-	-



Efficiency (%) – 4G DIV

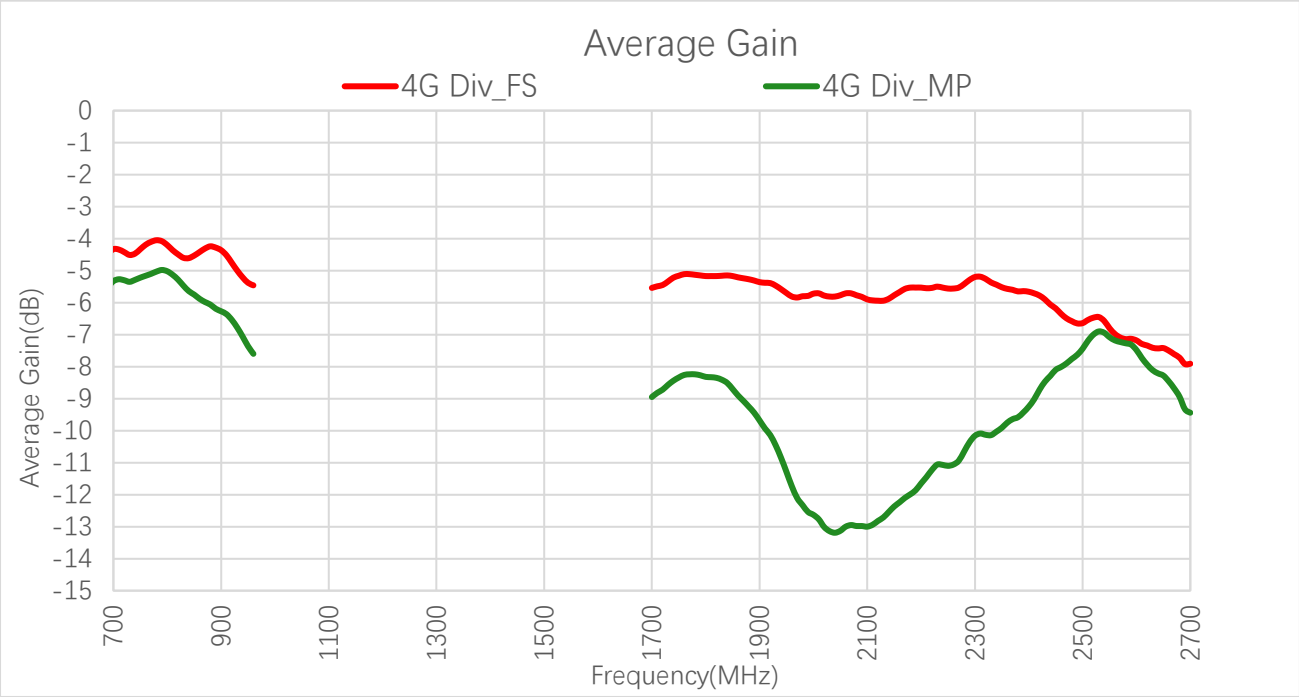
Frequency (MHz)	600	630	710	830	900	960	1440	1710	1740	1880
FS	-	-	36.8	34.7	36.6	28.4	-	28.3	30.1	29.7
MP	-	-	29.7	28.4	23.6	17.4	-	13.1	14.3	11.9
Frequency (MHz)	**1950**	**2140**	**2350**	**2450**	**2600**	**2690**	**4700**	**5000**	**5500**	**6000**
FS	26.9	25.8	28.1	24.1	19.1	16.2	-	-	-	-
MP	7.4	5.6	10.2	15.5	17.9	11.7	-	-	-	-

3.2.2. Average Gain



Average Gain (dB) – 4G

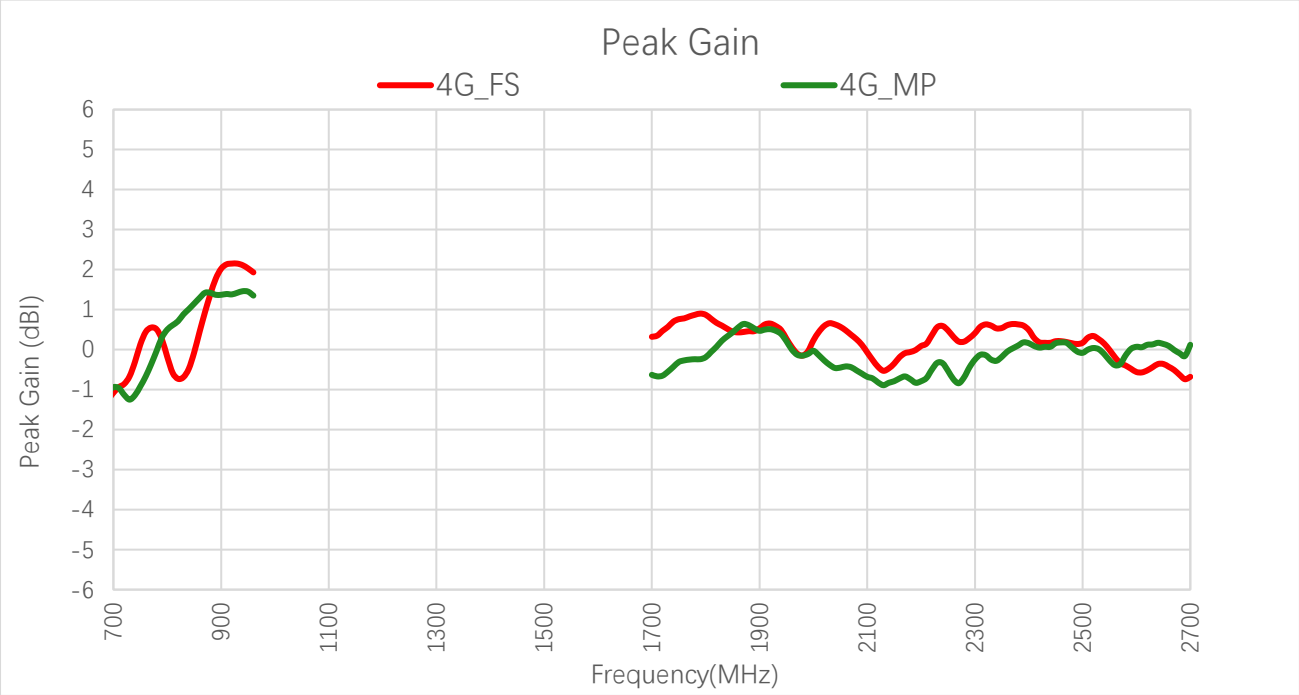
Frequency (MHz)	600	630	710	830	900	960	1440	1710	1740	1880
FS	-	-	-6.1	-5.0	-4.1	-4.2	-	-5.0	-5.0	-4.8
MP	-	-	-6.0	-4.8	-4.6	-5.2	-	-6.2	-6.0	-6.6
Frequency (MHz)	**1950**	**2140**	**2350**	**2450**	**2600**	**2690**	**4700**	**5000**	**5500**	**6000**
FS	-4.6	-4.6	-4.1	-4.2	-4.6	-5.2	-	-	-	-
MP	-7.3	-8.0	-6.8	-6.7	-7.0	-7.2	-	-	-	-



Average Gain (dB) – 4G DIV

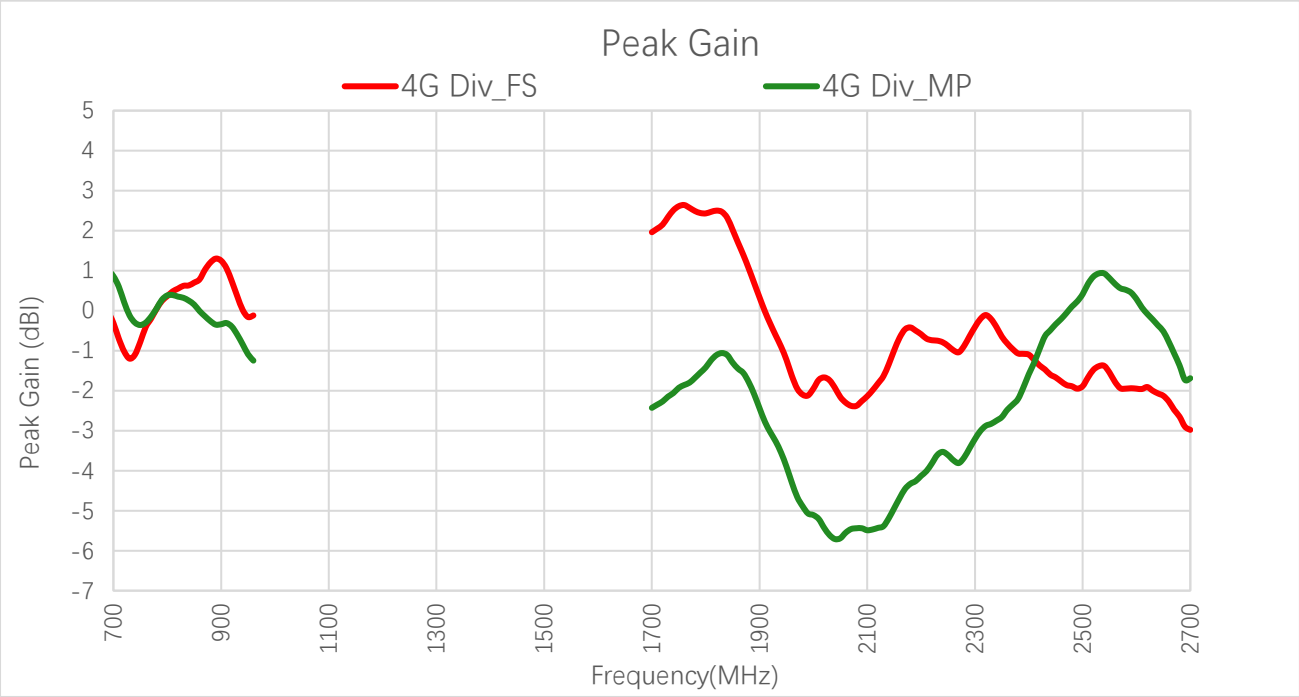
Frequency (MHz)	600	630	710	830	900	960	1440	1710	1740	1880
FS	-	-	-4.3	-4.6	-4.4	-5.5	-	-5.5	-5.2	-5.3
MP	-	-	-5.3	-5.5	-6.3	-7.6	-	-8.8	-8.4	-9.3
Frequency (MHz)	**1950**	**2140**	**2350**	**2450**	**2600**	**2690**	**4700**	**5000**	**5500**	**6000**
FS	-5.7	-5.9	-5.5	-6.2	-7.2	-7.9	-	-	-	-
MP	-11.3	-12.5	-9.9	-8.1	-7.5	-9.3	-	-	-	-

3.2.3. Peak Gain



Peak Gain (dBi) – 4G

Frequency (MHz)	600	630	710	830	900	960	1440	1710	1740	1880
FS	-	-	-0.9	-0.7	2.0	1.9	-	0.4	0.7	0.5
MP	-	-	-1.0	0.9	1.4	1.4	-	-0.7	-0.4	0.6
Frequency (MHz)	**1950**	**2140**	**2350**	**2450**	**2600**	**2690**	**4700**	**5000**	**5500**	**6000**
FS	0.3	-0.5	0.5	0.2	-0.6	-0.7	-	-	-	-
MP	0.2	-0.8	-0.2	0.2	0.1	-0.2	-	-	-	-



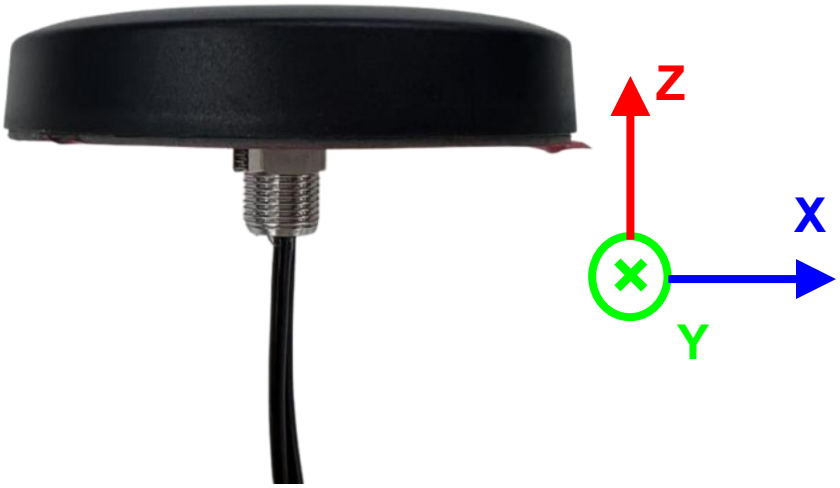
Peak Gain (dBi) – 4G DIV

Frequency (MHz)	600	630	710	830	900	960	1440	1710	1740	1880
FS	-	-	-0.7	0.6	1.3	-0.1	-	2.1	2.5	1.1
MP	-	-	0.6	0.3	-0.3	-1.3	-	-2.4	-2.1	-1.8
Frequency (MHz)	**1950**	**2140**	**2350**	**2450**	**2600**	**2690**	**4700**	**5000**	**5500**	**6000**
FS	-1.2	-1.3	-0.7	-1.7	-2.0	-2.9	-	-	-	-
MP	-3.9	-5.2	-2.7	-0.3	0.3	-1.7	-	-	-	-

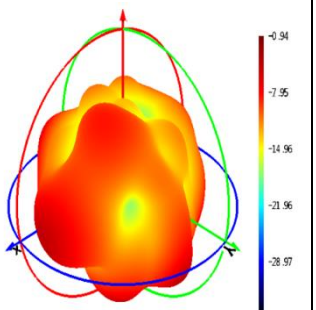
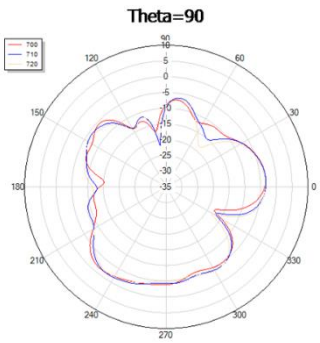
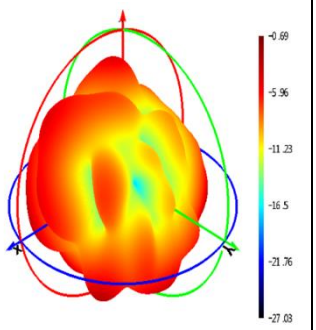
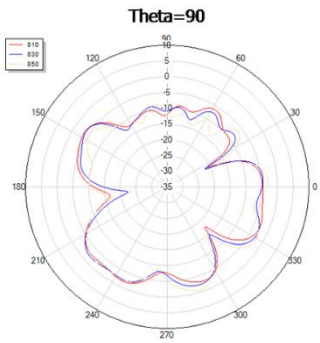
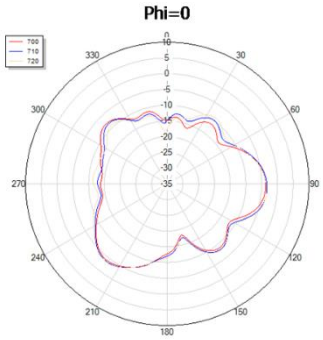
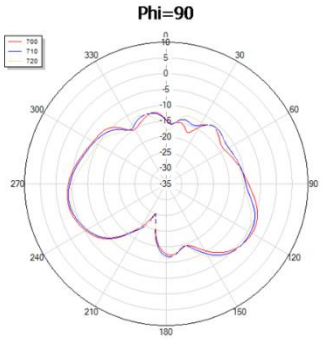
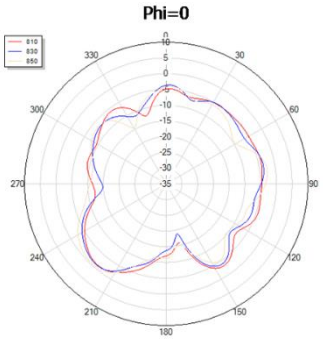
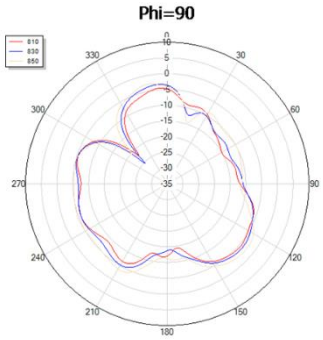
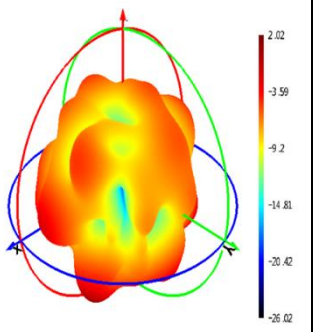
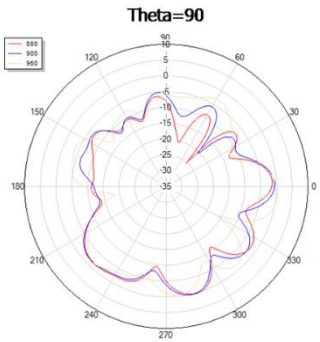
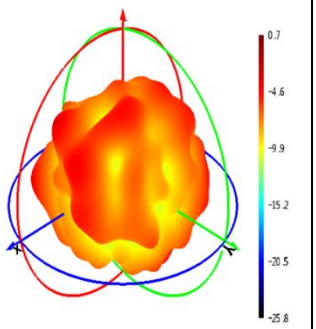
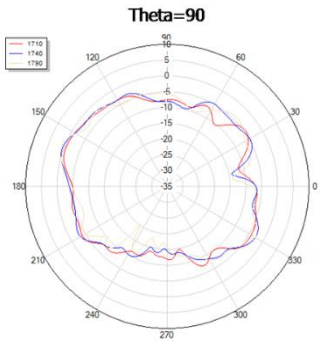
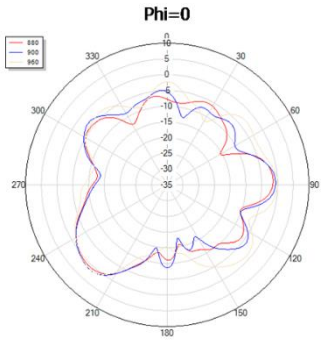
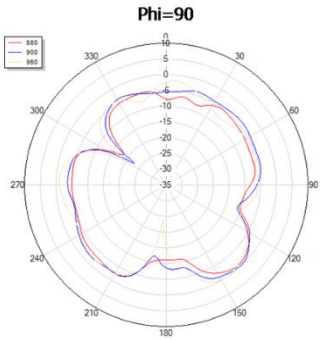
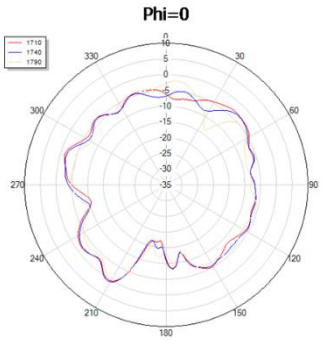
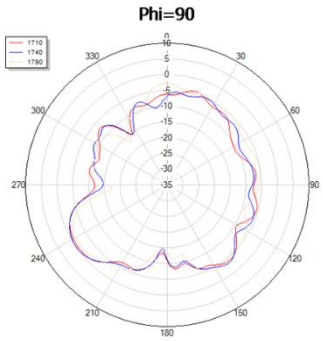
3.2.4. 3D &2D Radiation Pattern

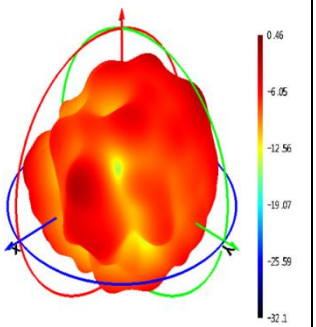
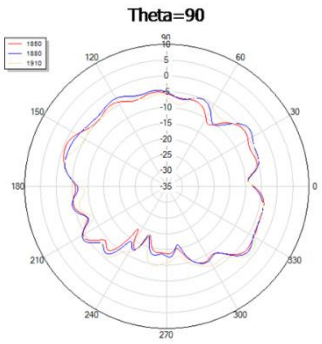
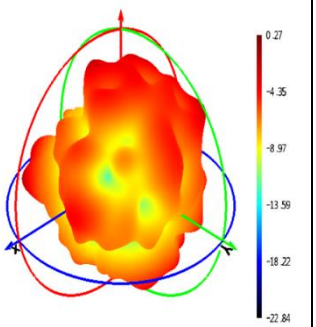
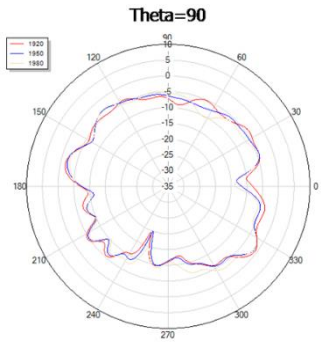
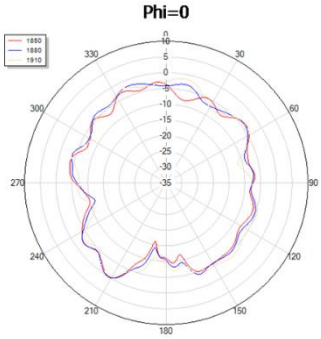
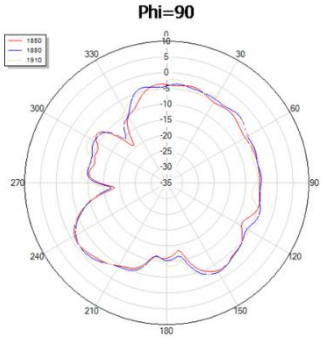
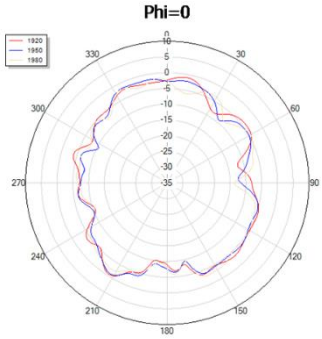
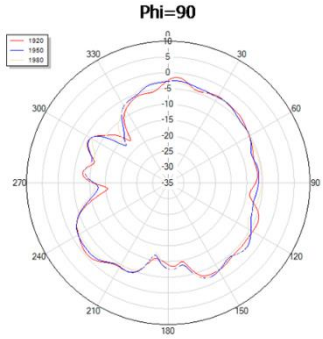
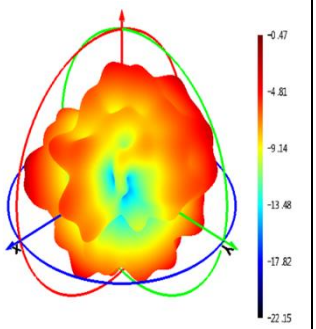
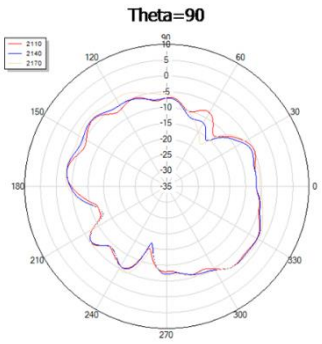
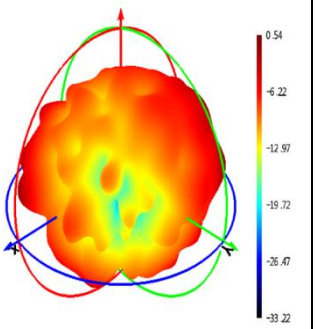
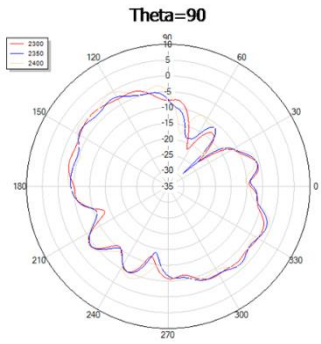
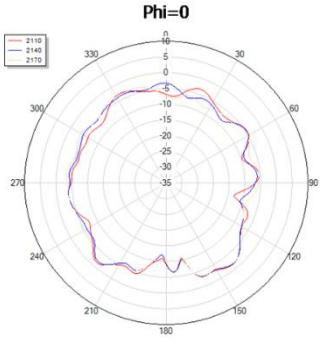
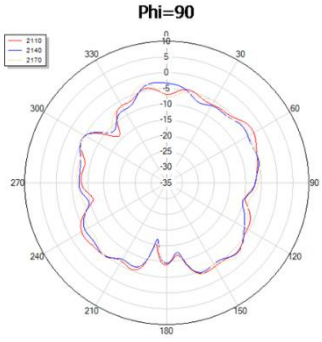
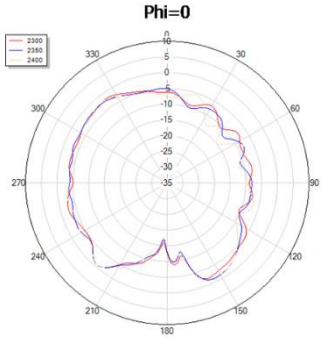
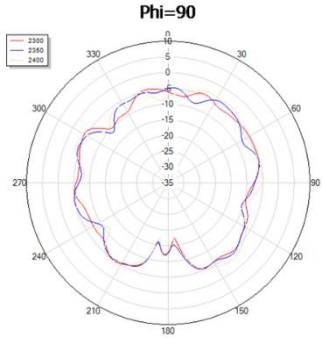
3.2.4.1 Test Status: In Free Space

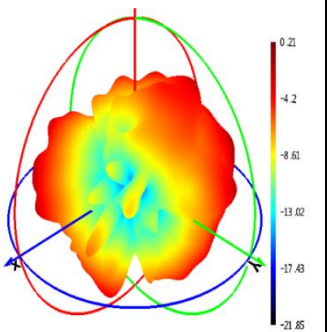
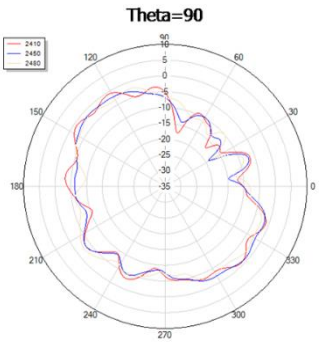
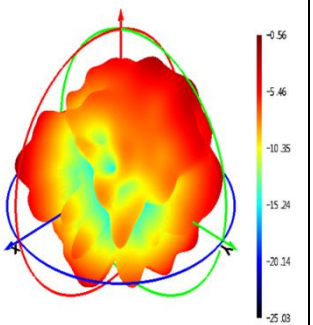
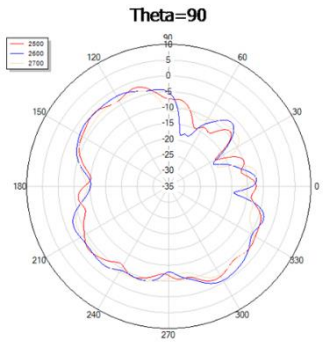
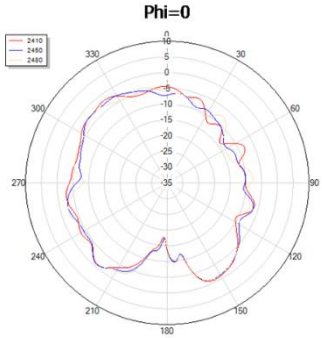
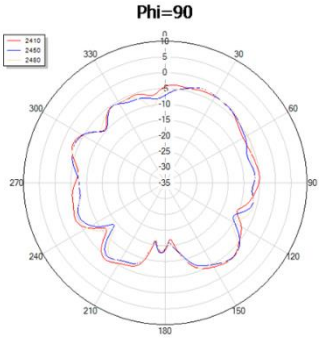
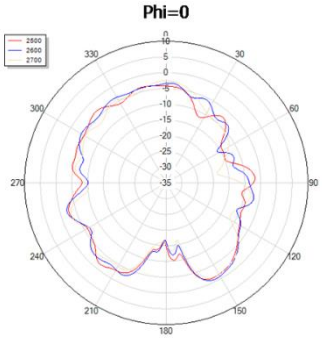
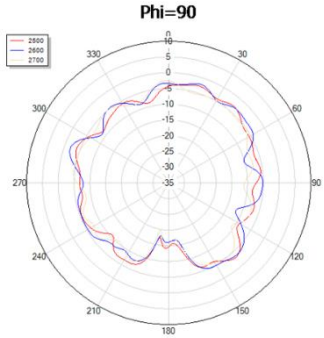
- Test Chamber: HF-S-1



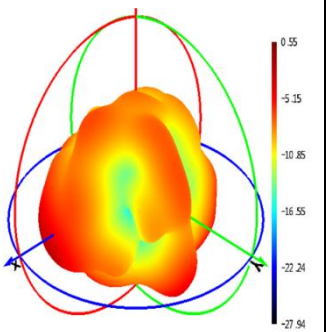
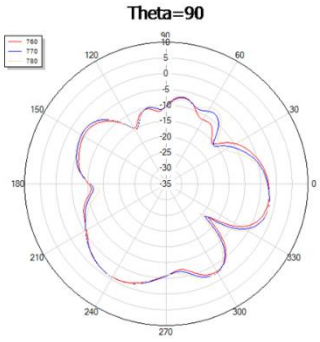
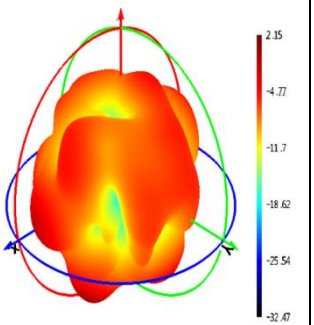
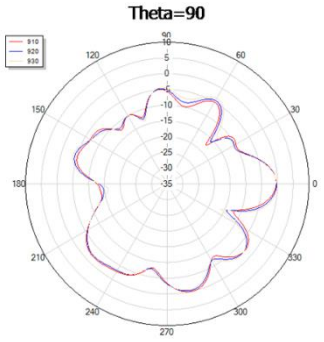
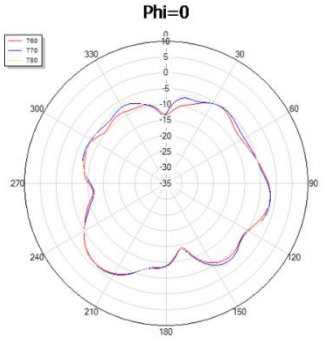
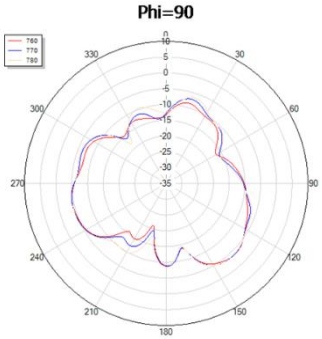
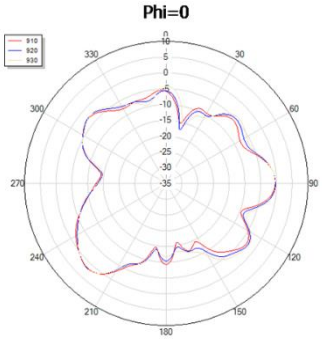
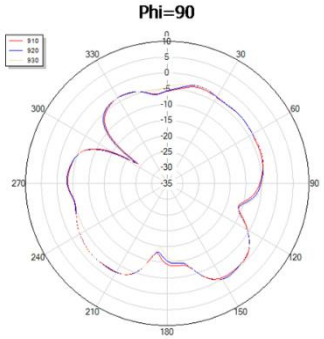
- **4G**

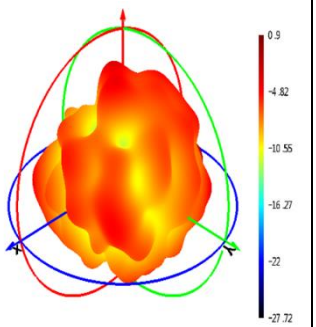
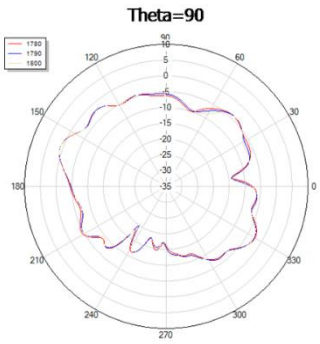
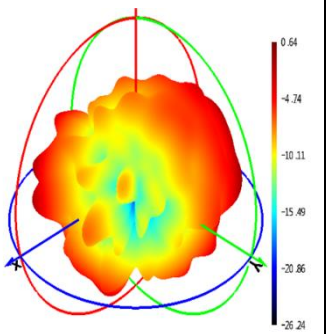
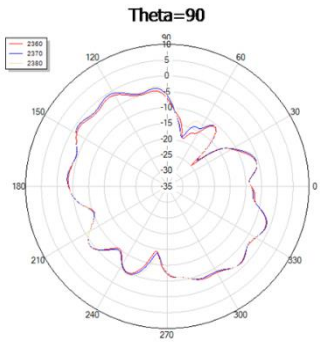
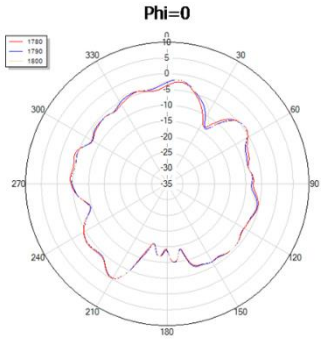
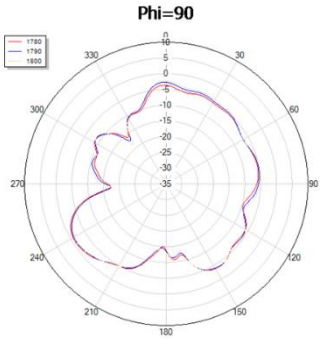
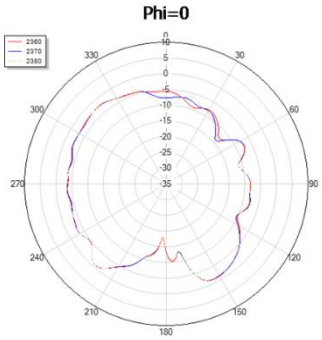
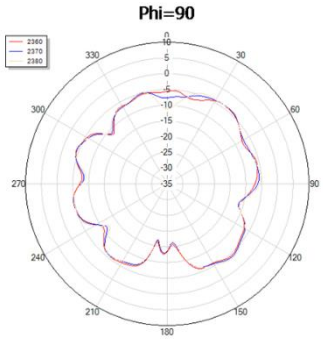
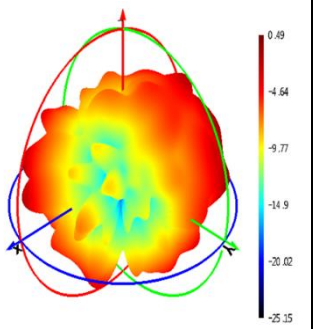
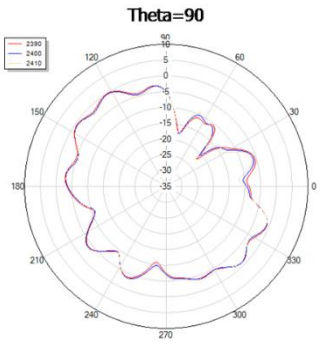
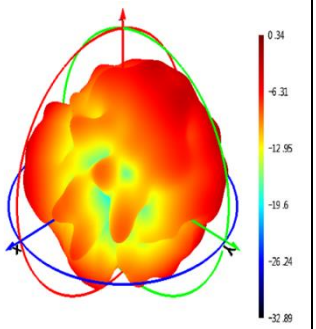
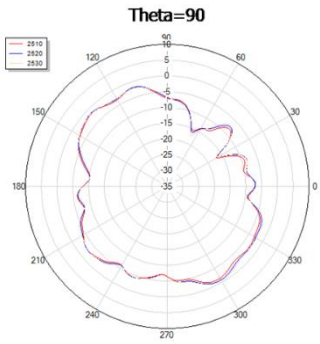
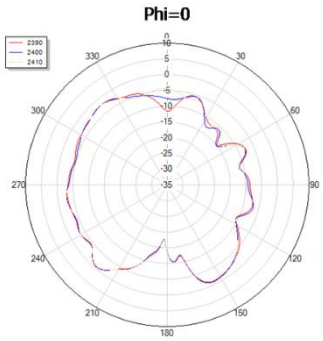
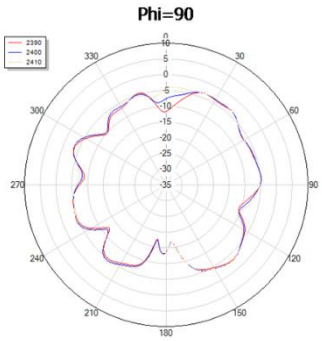
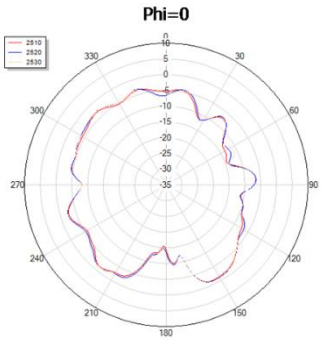
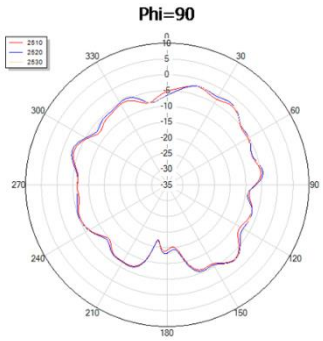
710 MHz		830 MHz	
			
			
900 MHz		1740 MHz	
			
			

1880 MHz		1950 MHz	
			
			
2140 MHz		2350 MHz	
			
			

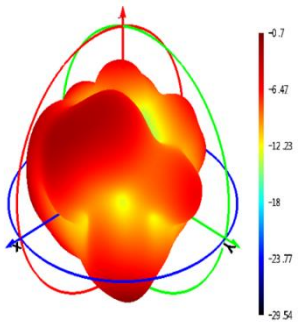
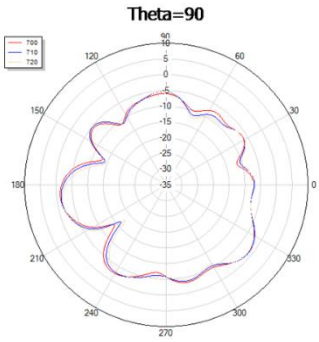
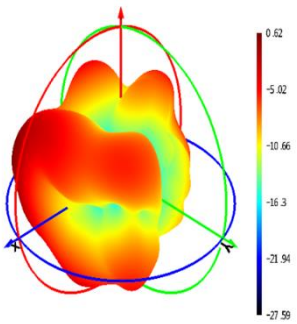
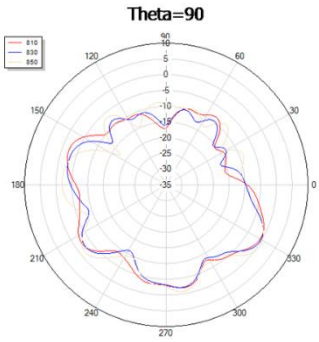
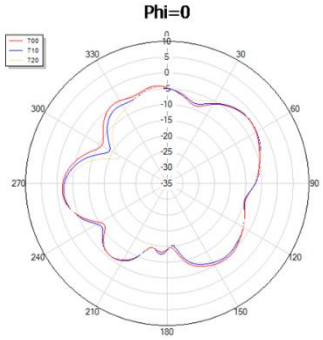
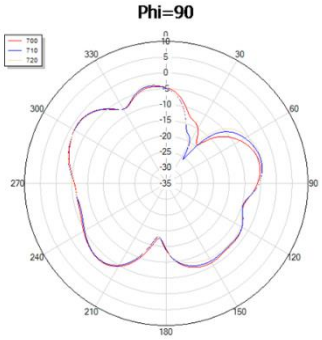
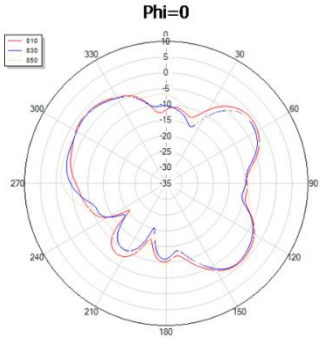
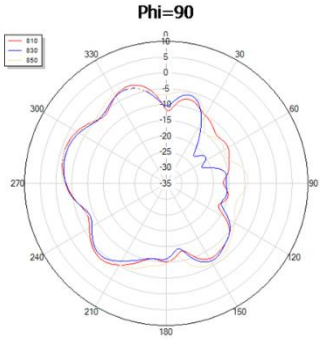
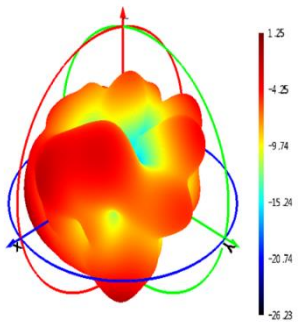
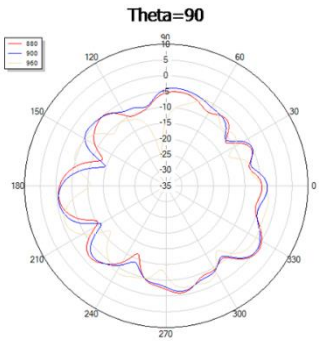
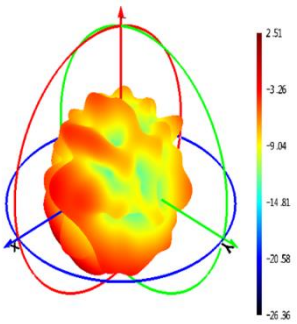
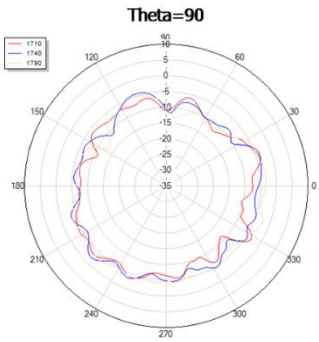
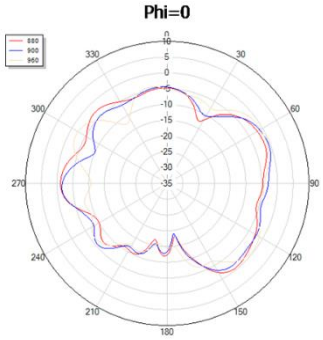
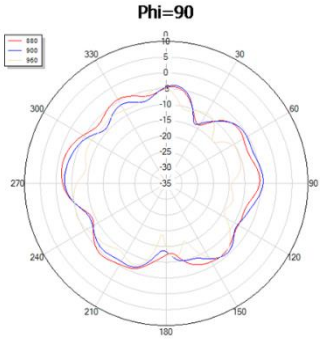
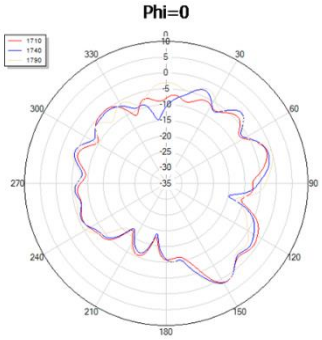
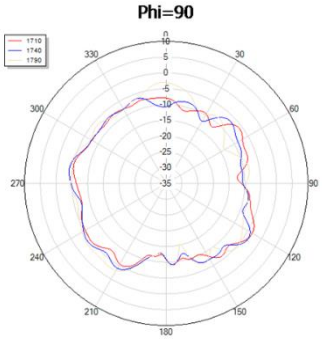
2450 MHz		2600 MHz	
			
			

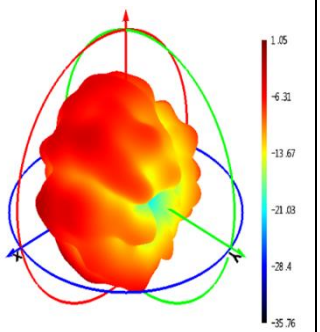
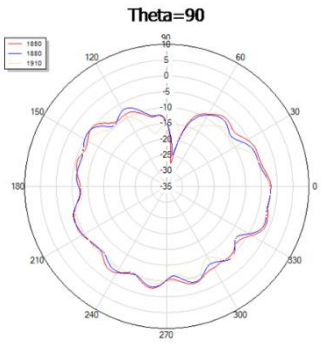
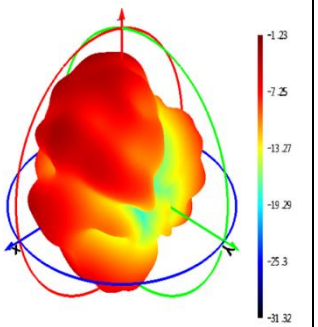
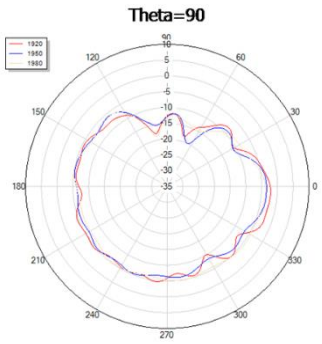
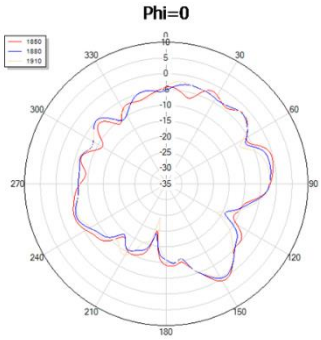
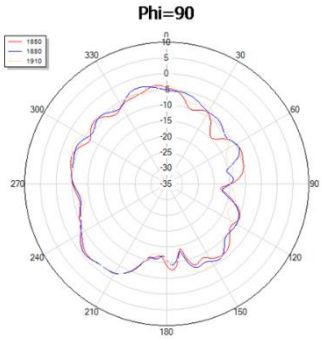
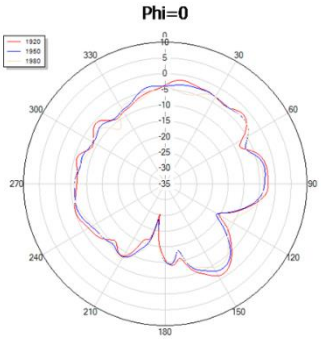
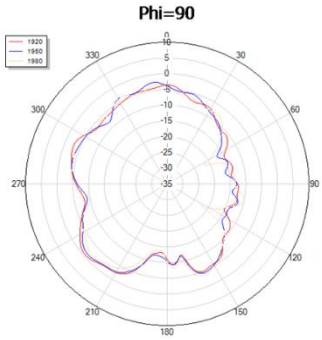
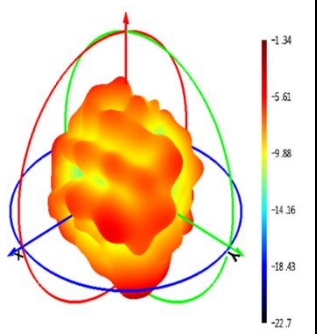
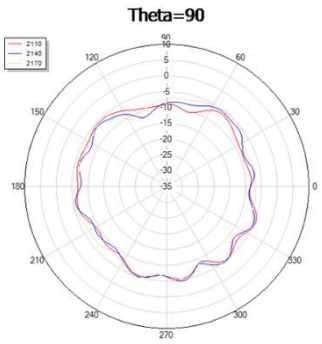
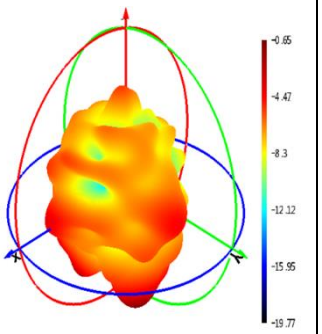
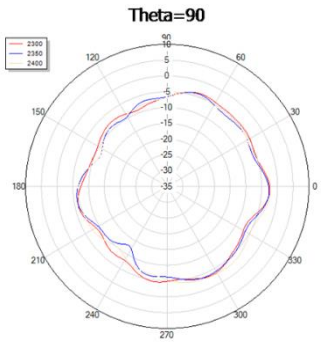
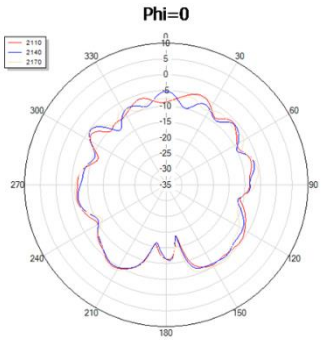
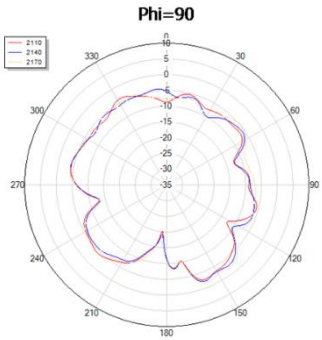
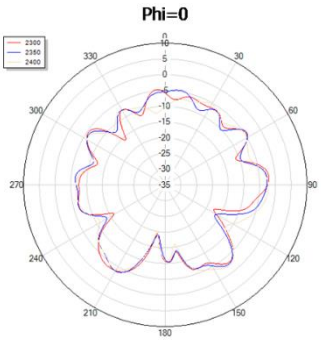
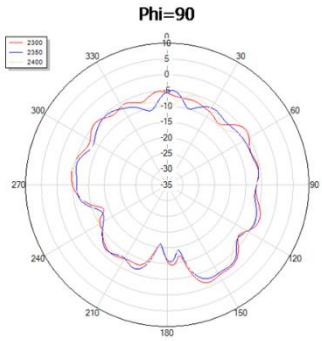
- **4G Max Peak Gain**

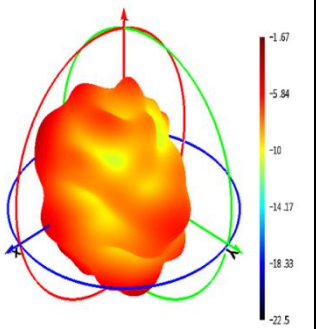
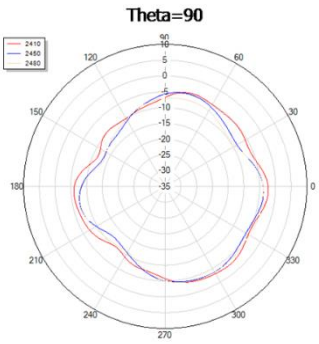
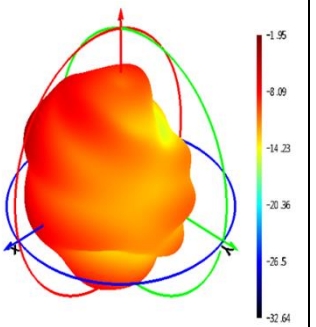
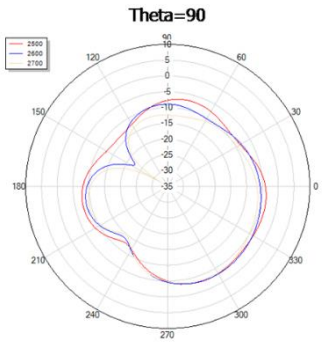
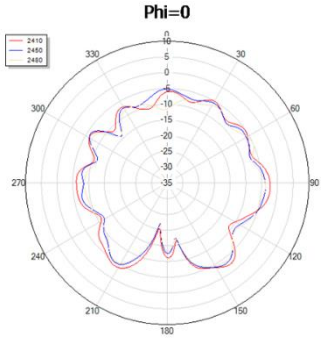
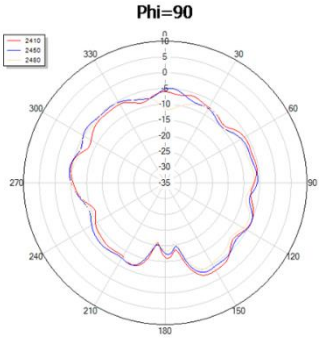
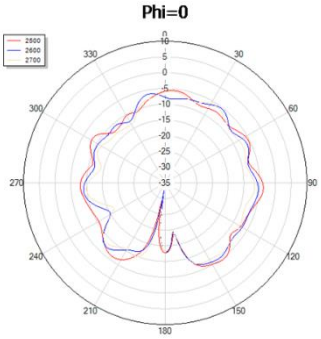
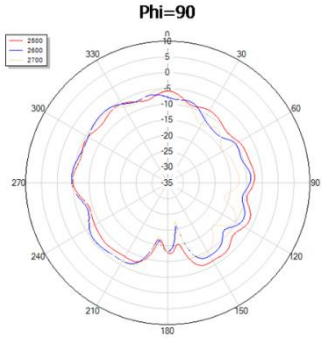
770 MHz		920 MHz	
			
			

1790 MHz		2370 MHz	
			
			
2400 MHz		**2520 MHz**	
			
			

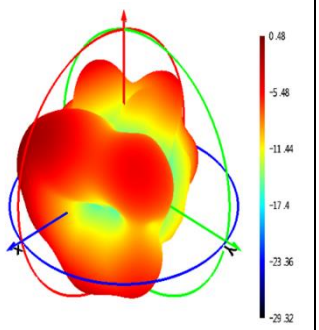
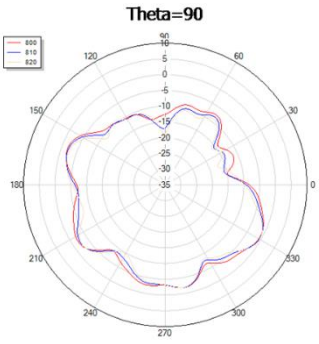
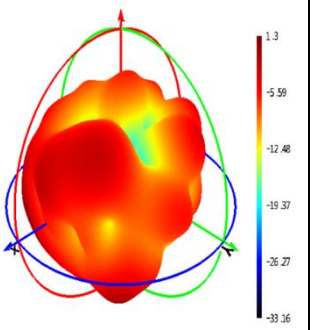
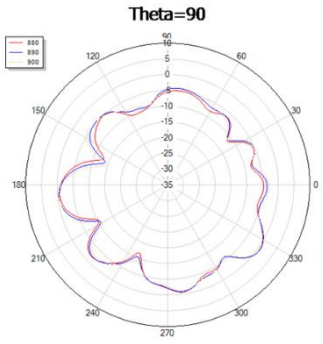
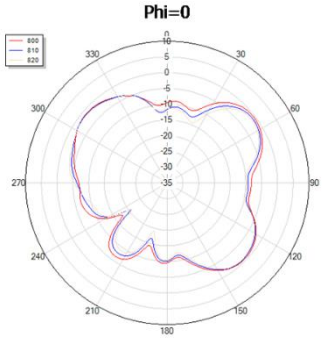
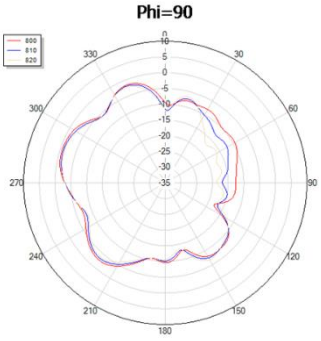
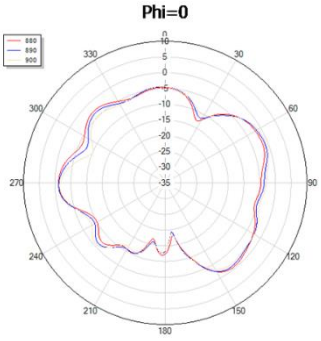
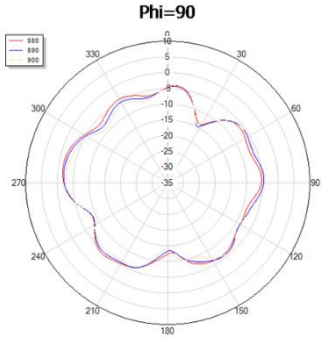
- **4G DIV**

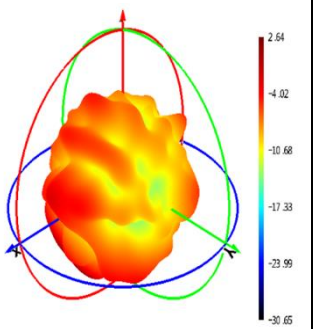
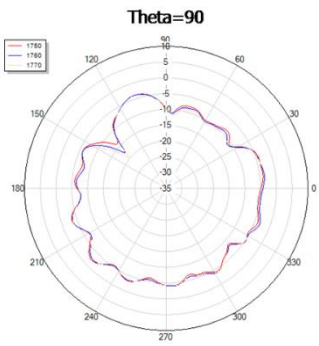
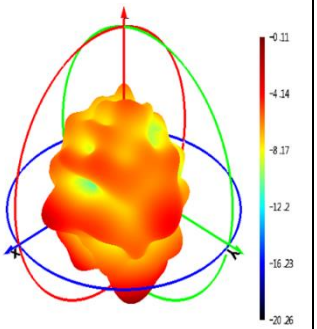
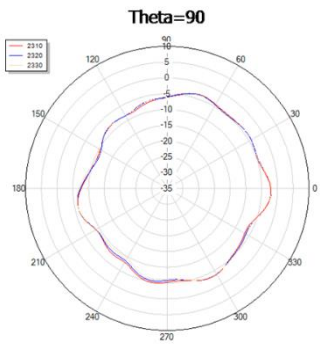
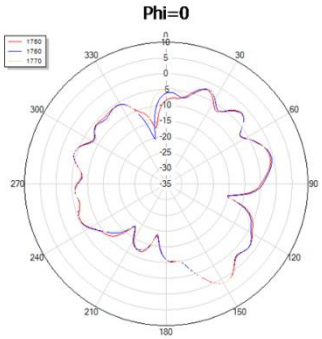
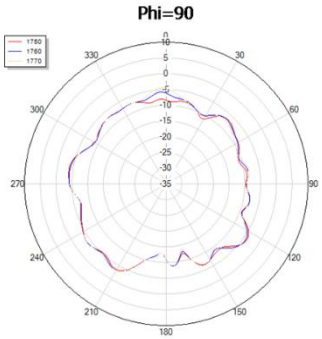
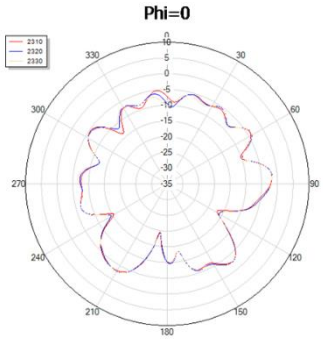
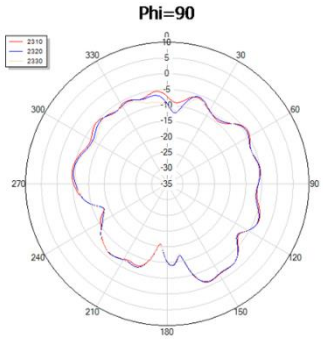
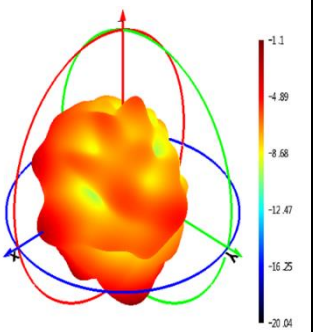
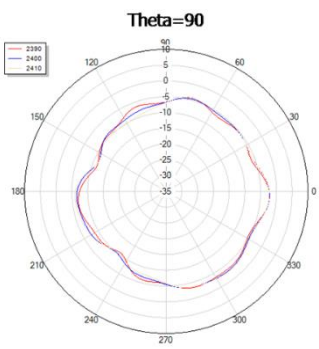
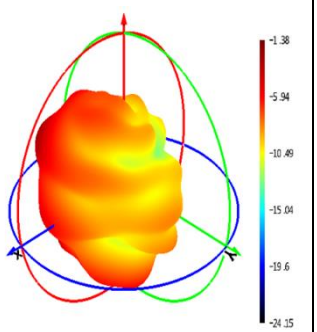
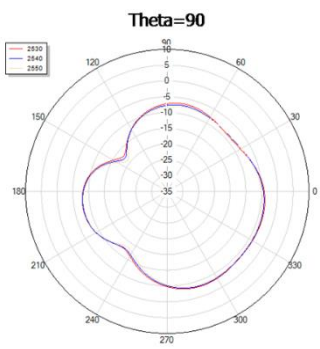
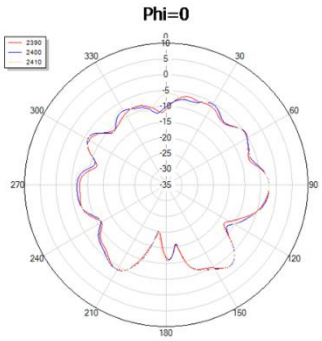
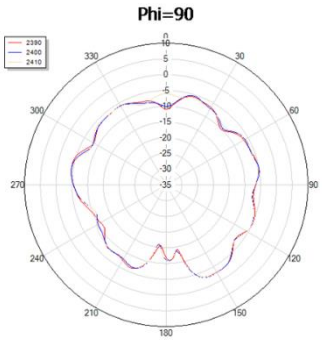
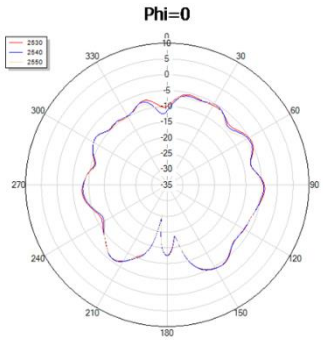
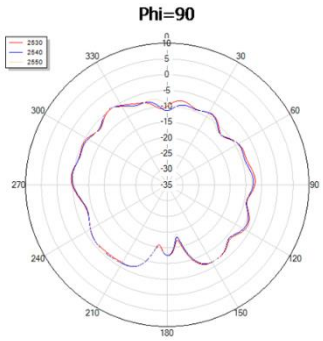
710 MHz		830 MHz	
			
			
900 MHz		1740 MHz	
			
			

1880 MHz		1950 MHz	
			
			
2140 MHz		2350 MHz	
			
			

2450 MHz		2600 MHz	
			
			

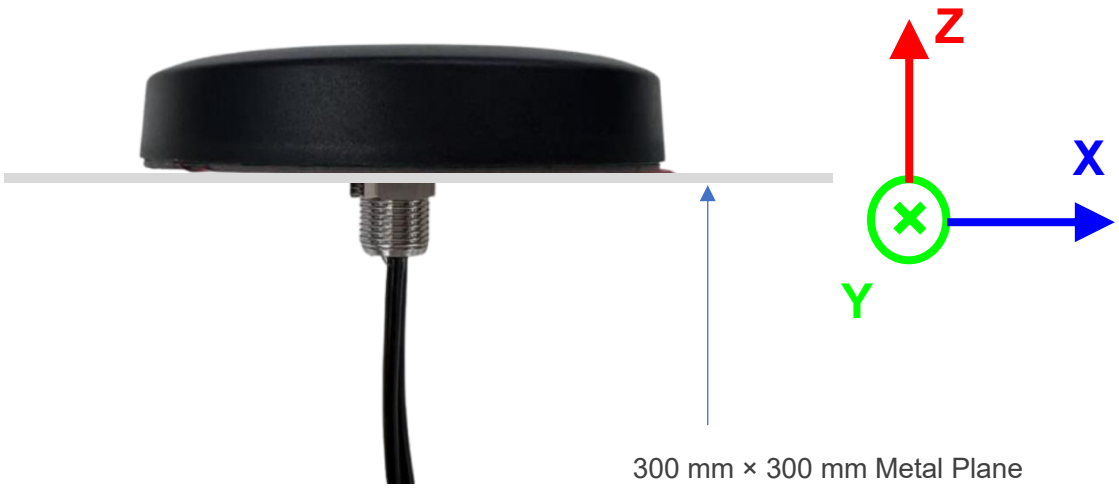
- **4G Div Max Peak Gain**

810 MHz		890 MHz	
			
			

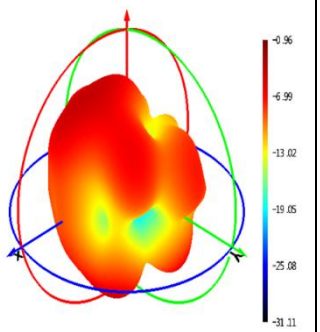
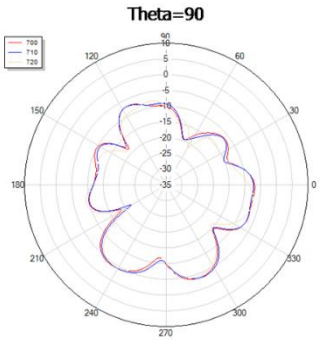
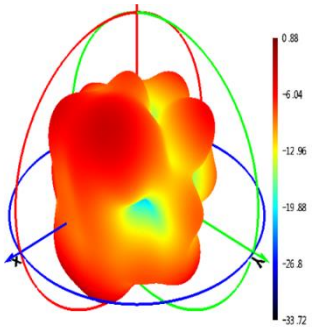
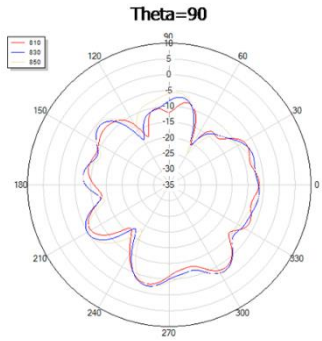
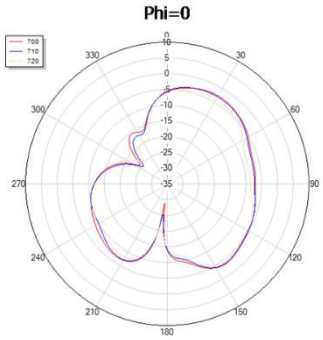
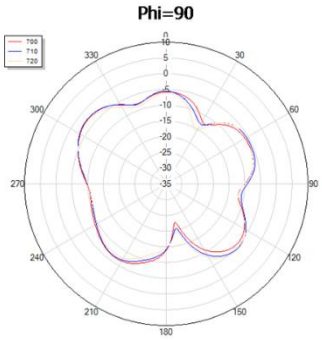
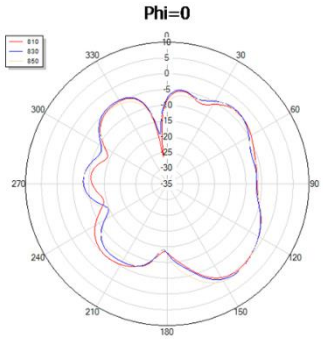
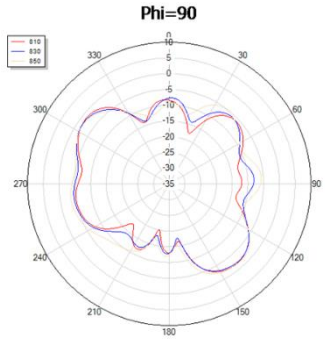
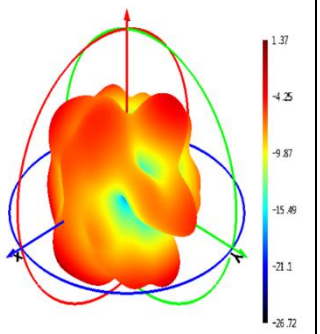
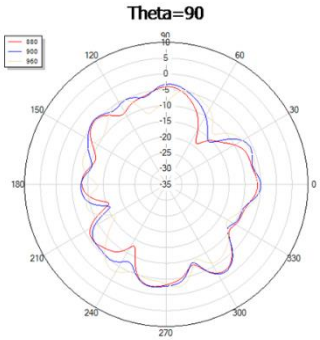
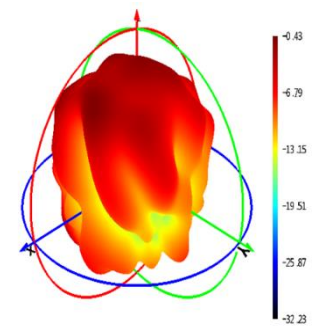
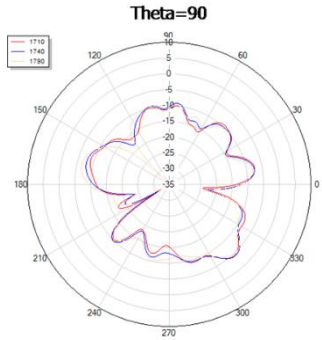
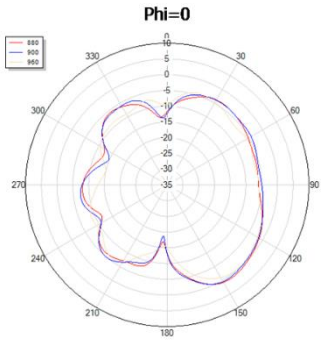
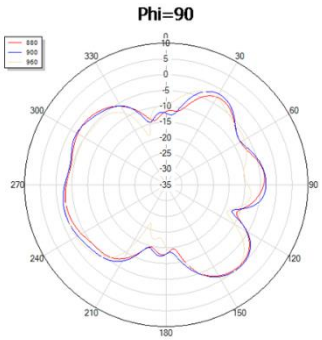
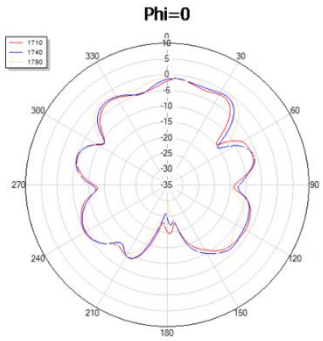
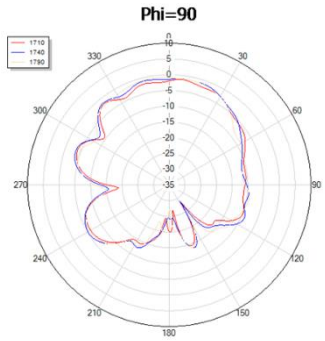
1760 MHz		2320 MHz	
			
			
2400 MHz		**2540 MHz**	
			
			

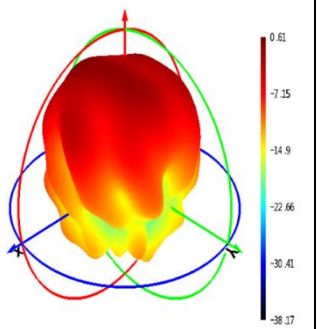
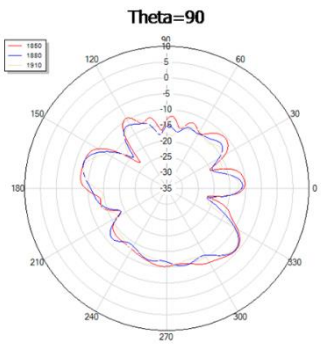
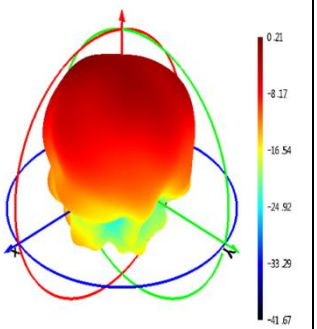
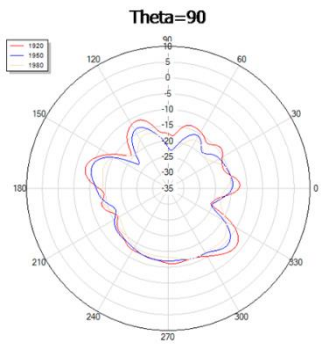
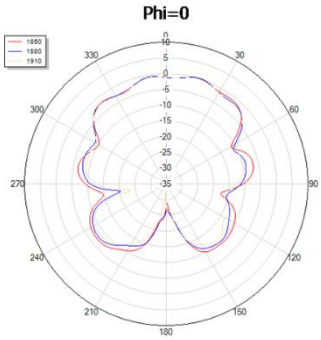
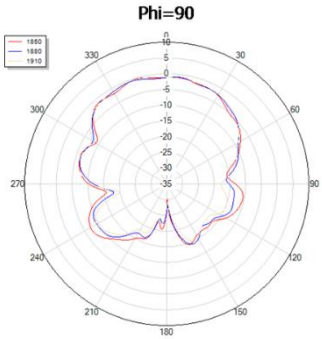
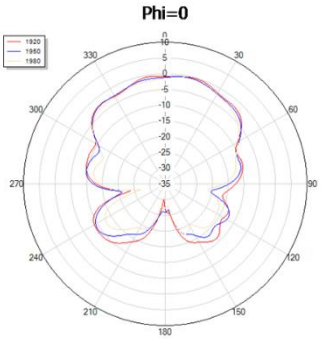
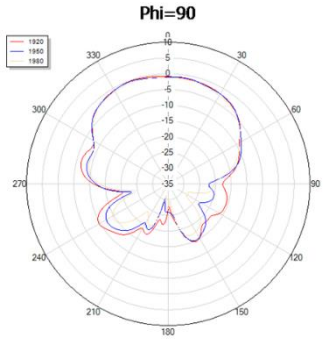
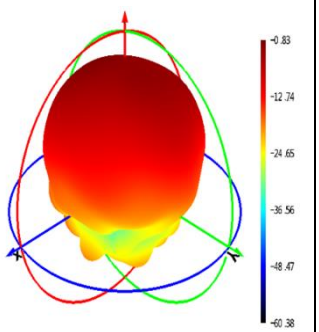
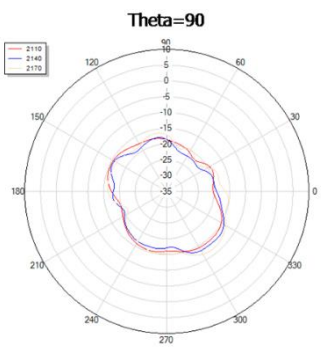
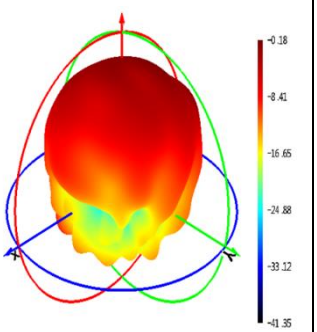
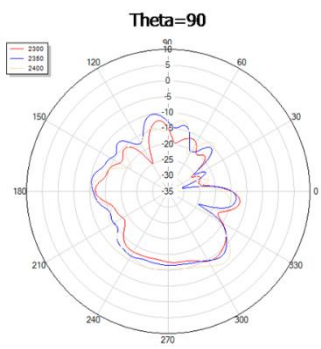
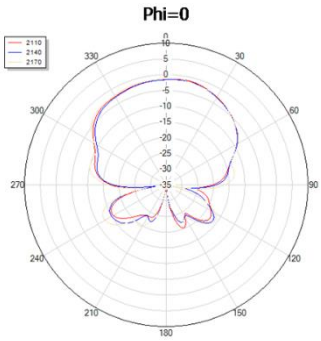
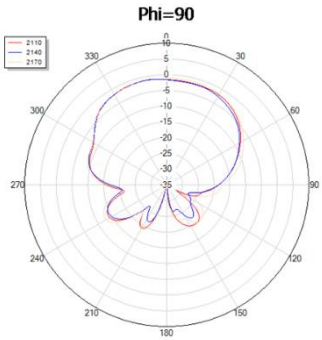
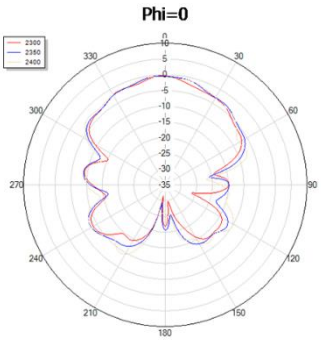
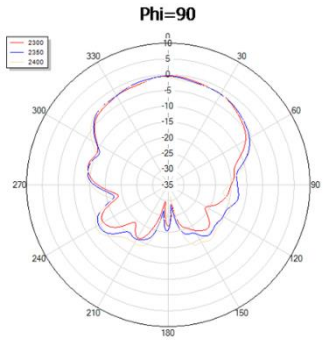
3.2.4.2 Test Status: On 300 mm × 300 mm Metal Plane

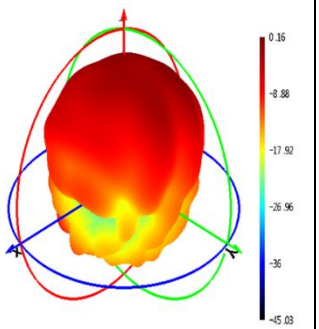
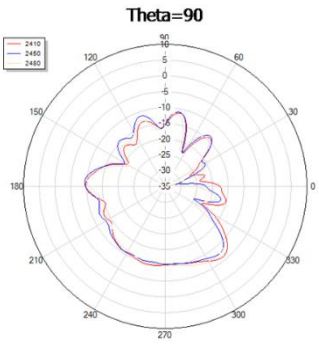
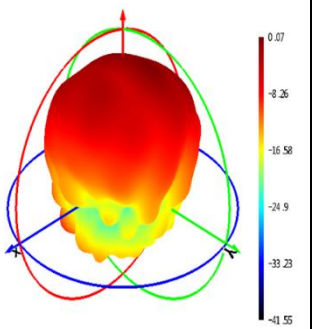
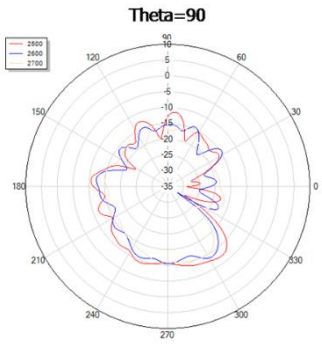
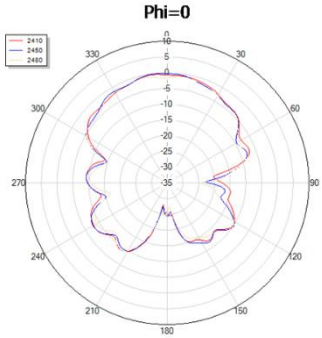
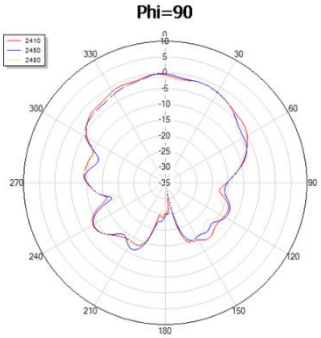
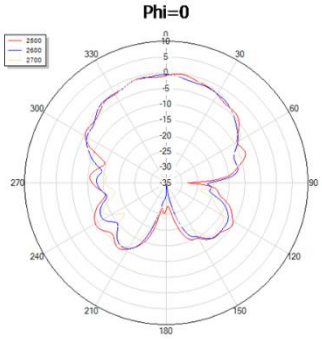
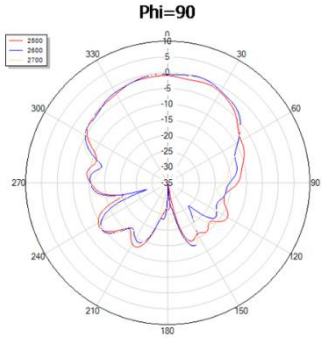
- Test Chamber: HF-S-1



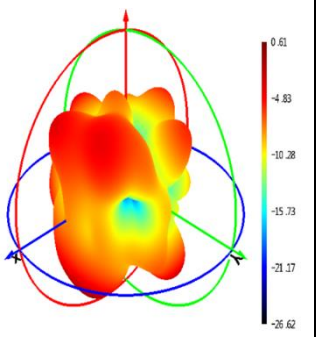
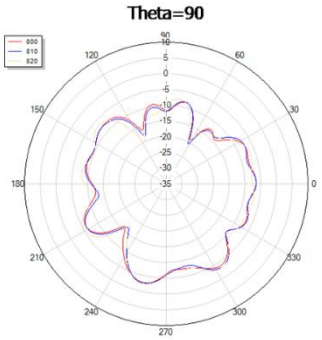
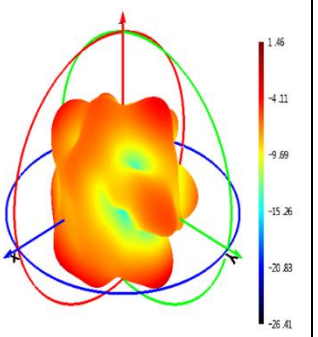
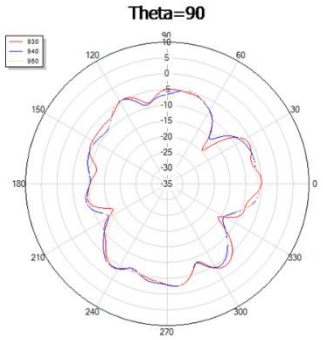
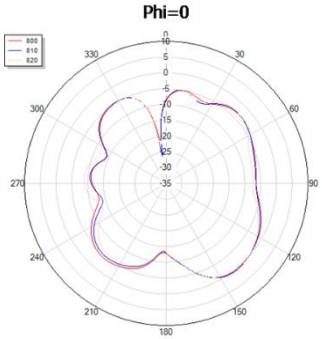
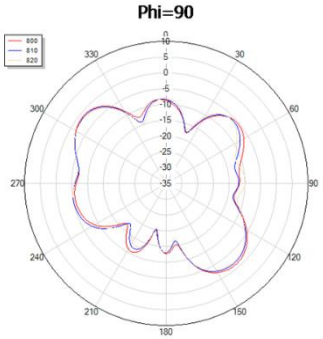
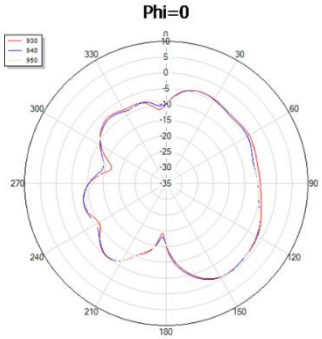
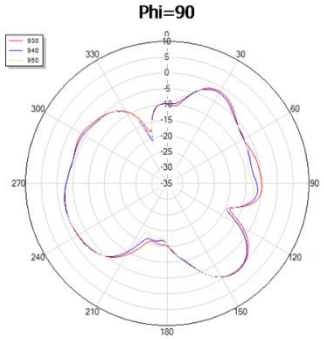
- **4G**

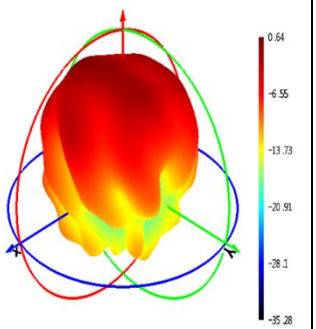
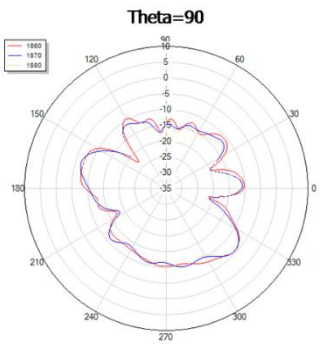
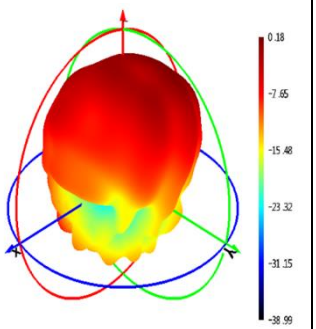
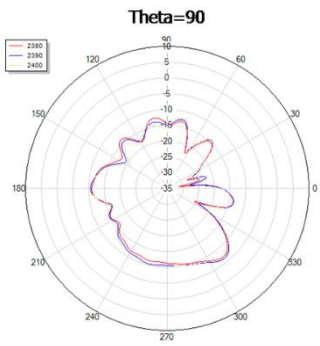
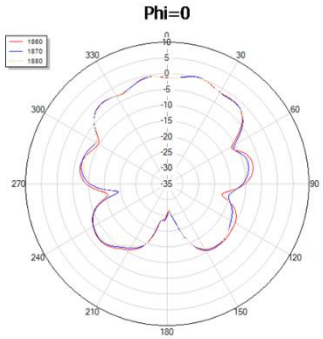
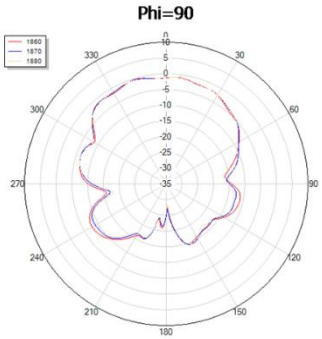
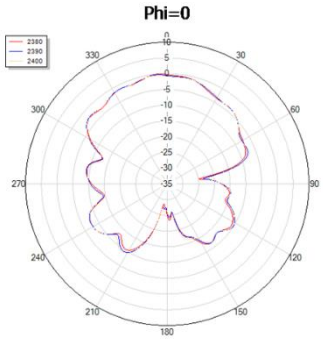
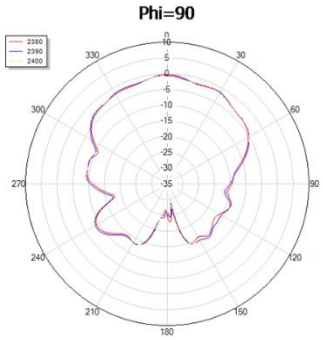
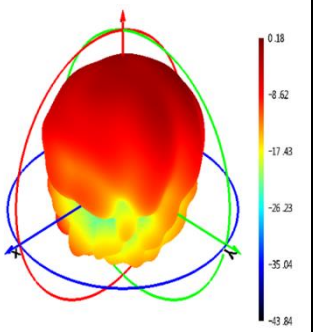
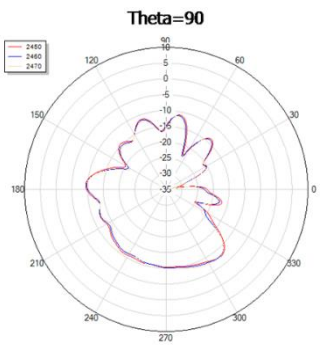
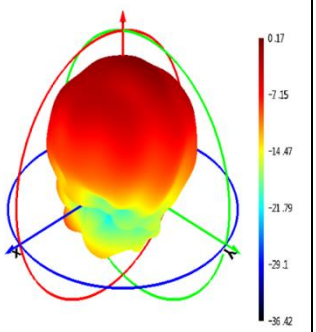
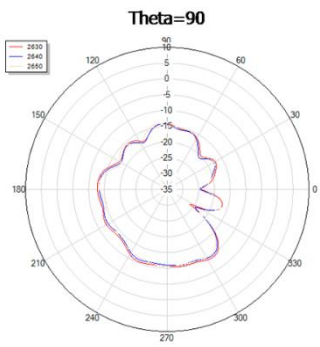
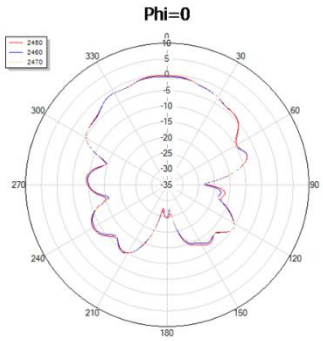
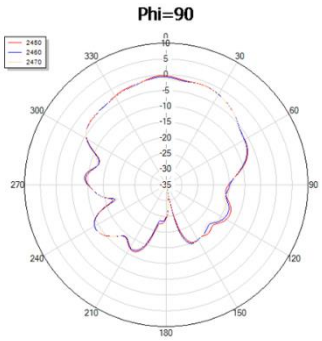
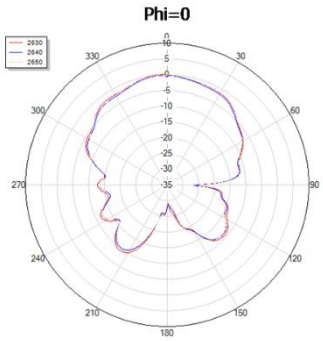
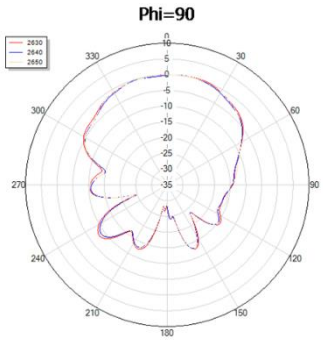
710 MHz		830 MHz	
			
			
900 MHz		1740 MHz	
			
			

1880 MHz		1950 MHz	
			
			
2140 MHz		2350 MHz	
			
			

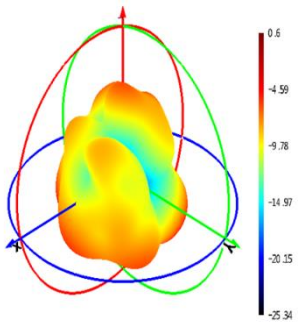
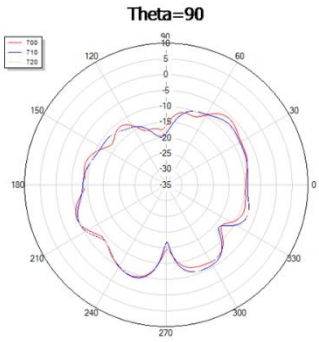
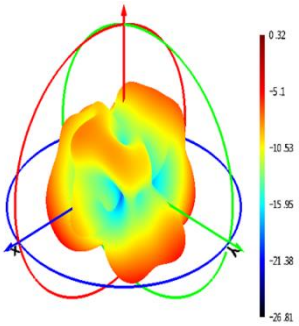
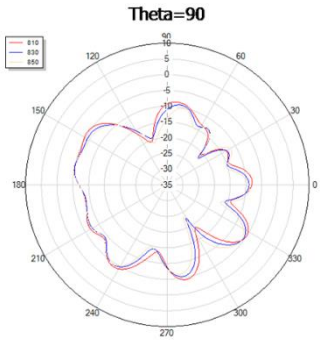
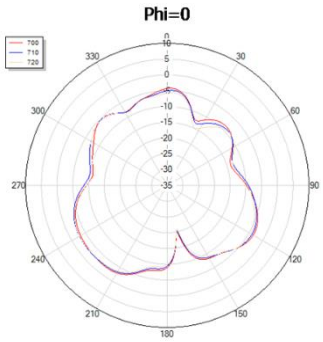
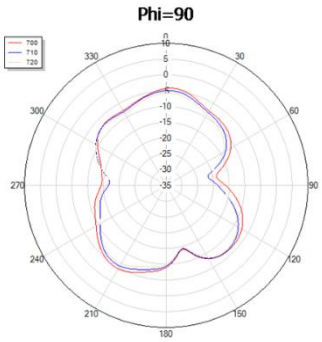
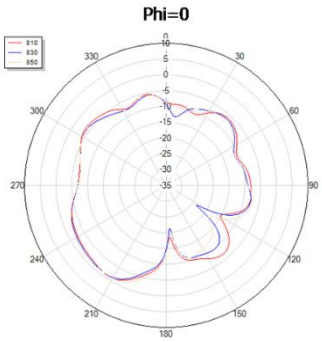
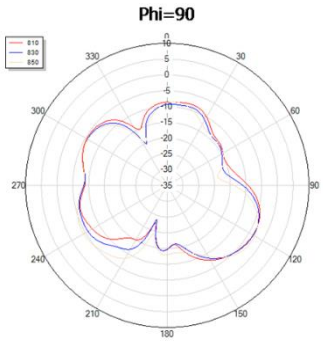
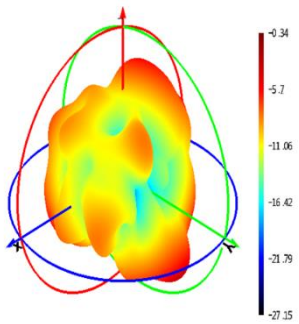
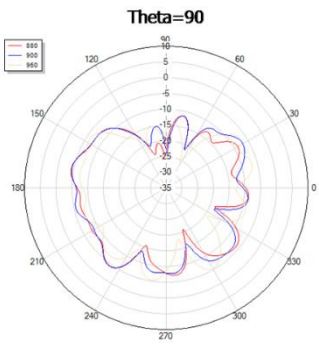
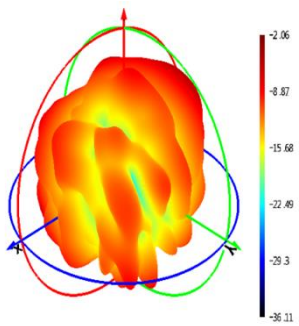
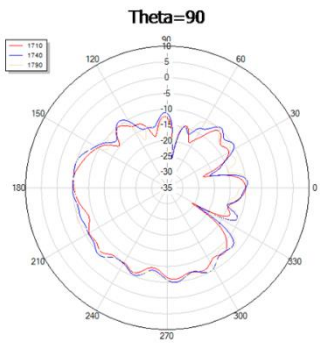
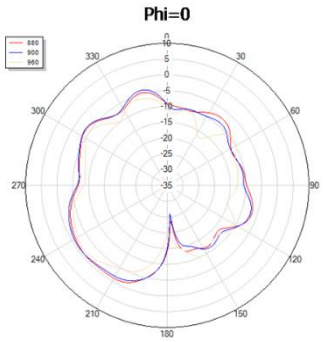
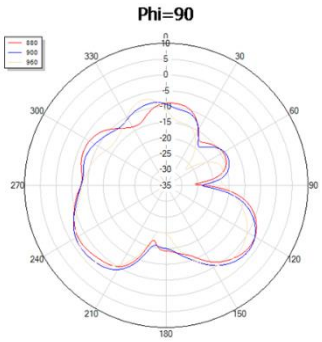
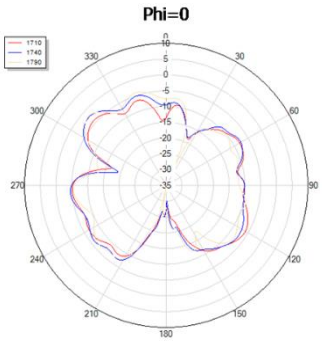
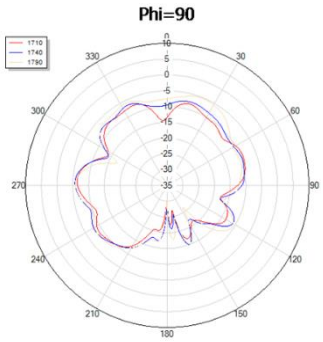
2450 MHz		2600 MHz	
			
			

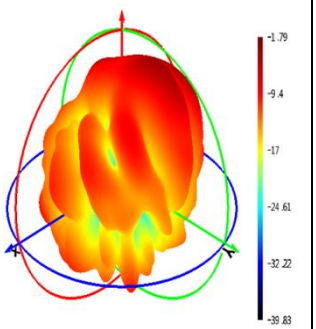
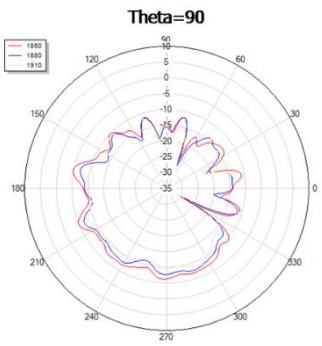
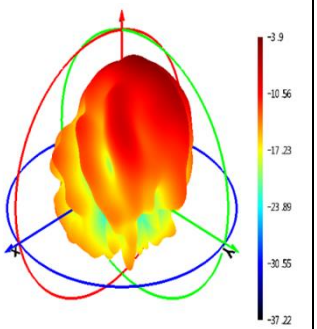
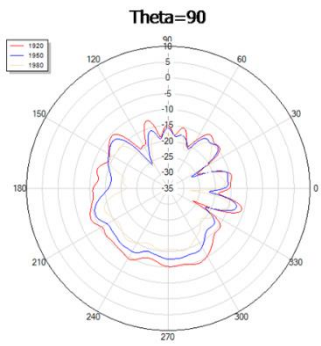
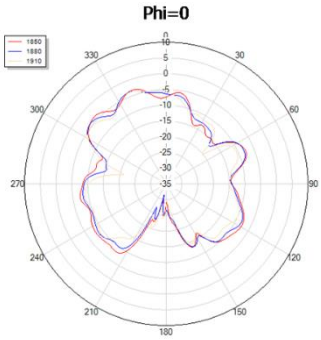
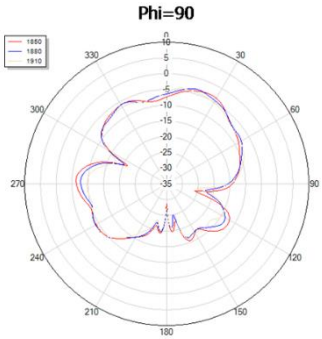
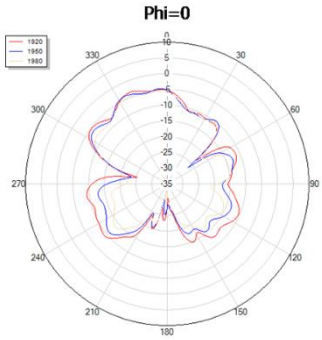
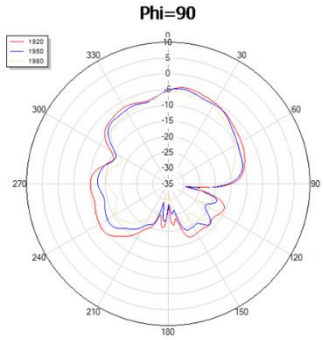
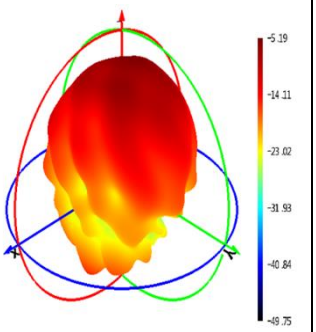
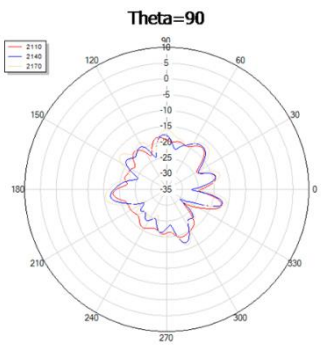
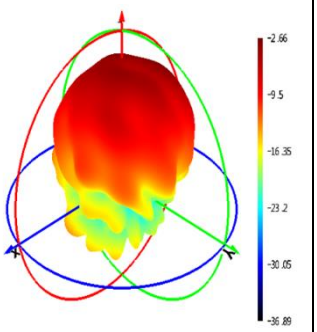
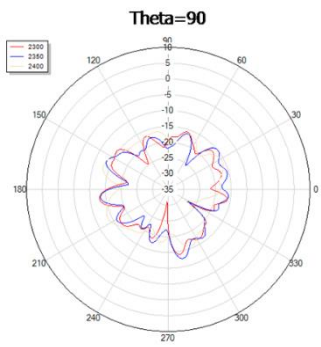
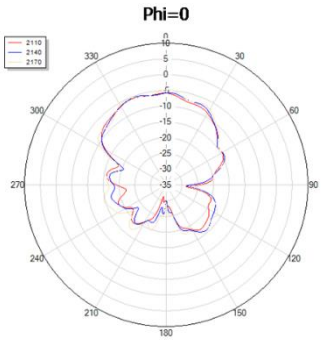
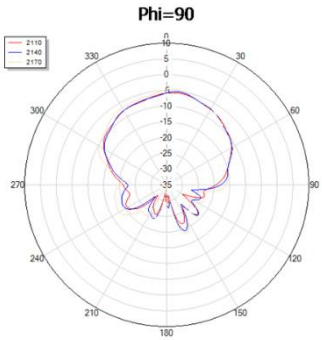
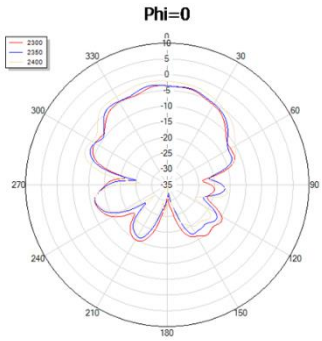
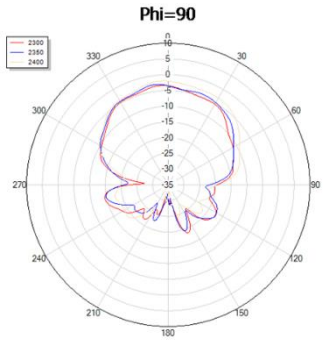
- **4G Max Peak Gain**

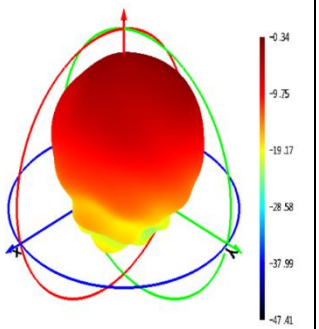
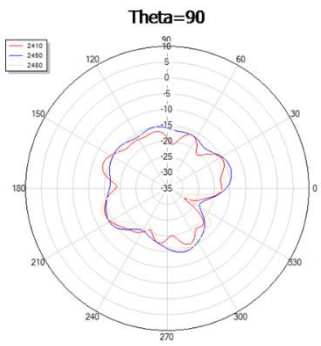
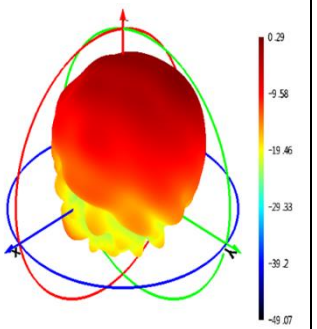
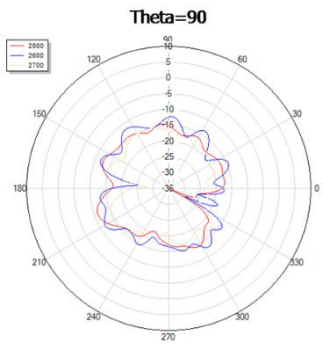
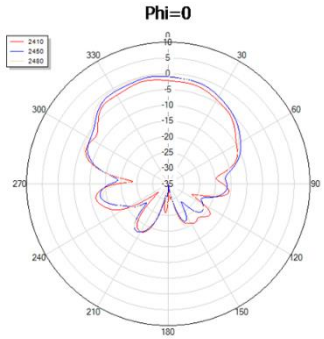
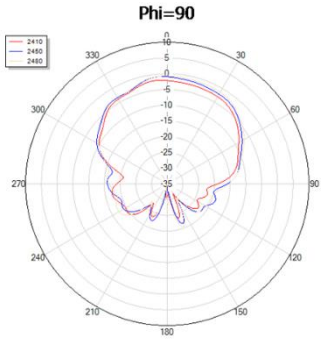
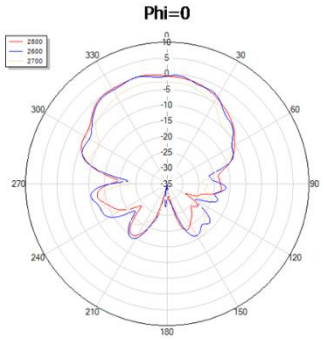
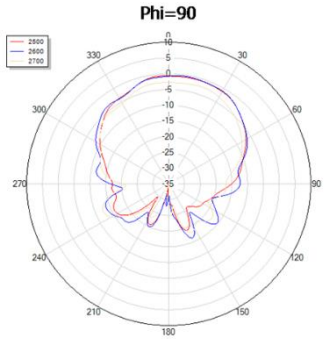
810 MHz		940 MHz	
			
			

1870 MHz		2390 MHz	
			
			
2460 MHz		2640 MHz	
			
			

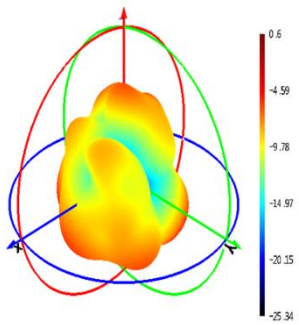
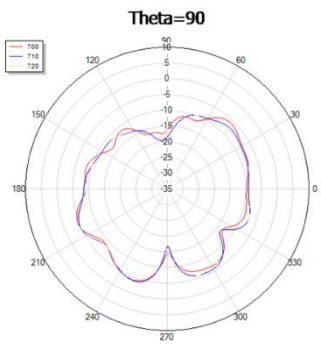
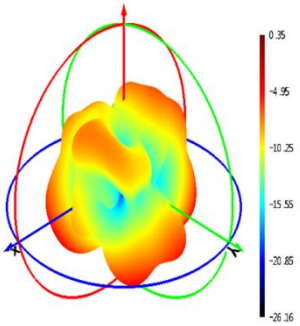
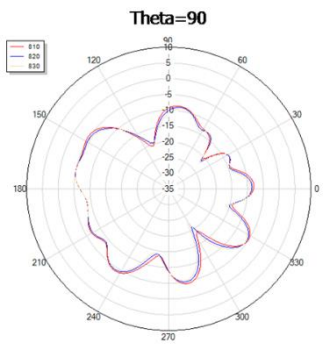
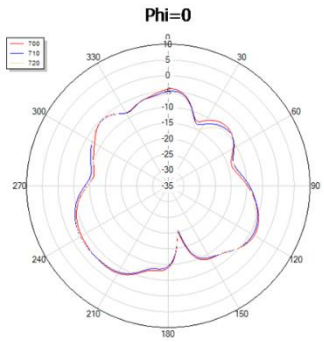
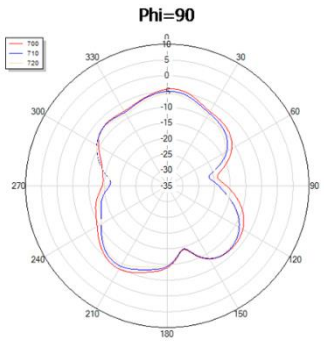
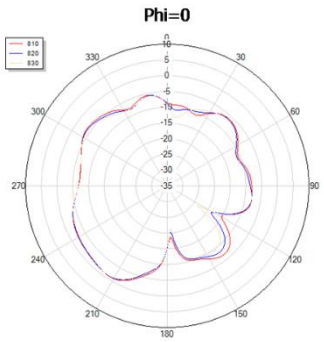
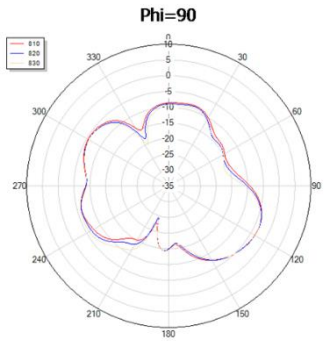
- **4G DIV**

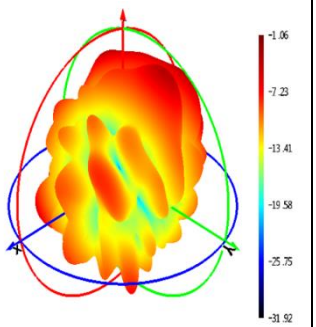
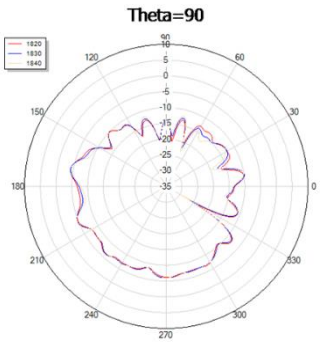
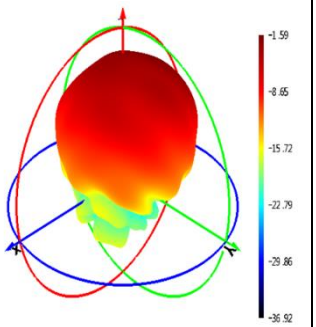
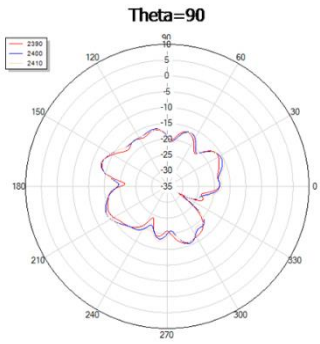
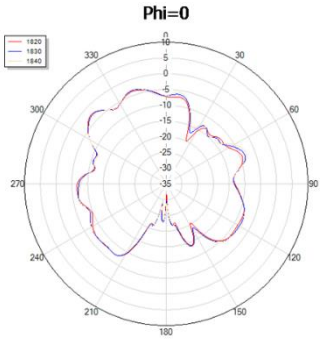
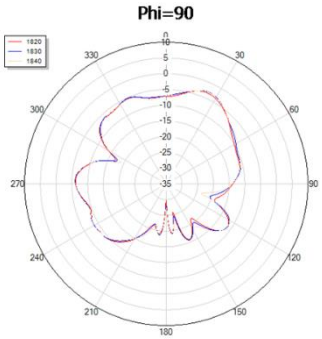
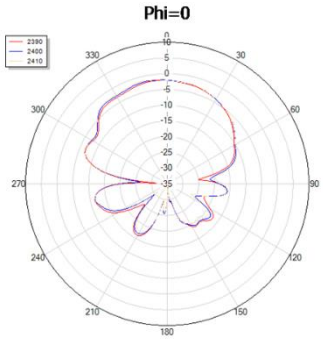
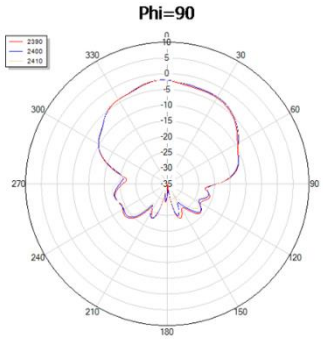
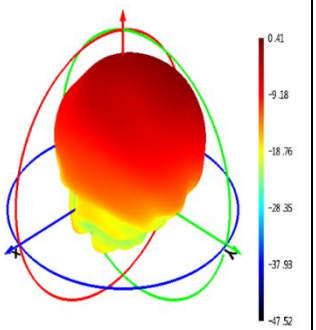
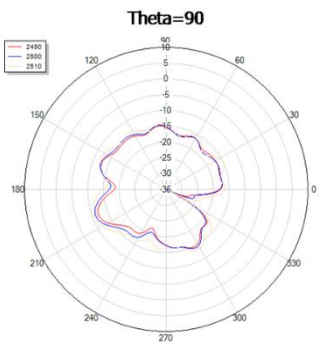
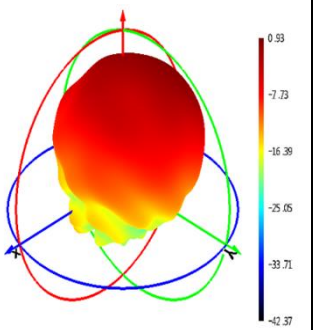
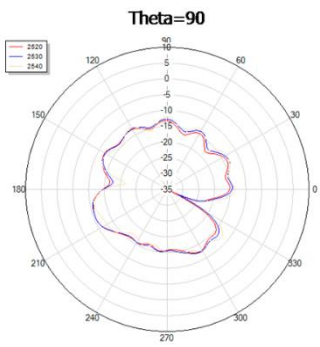
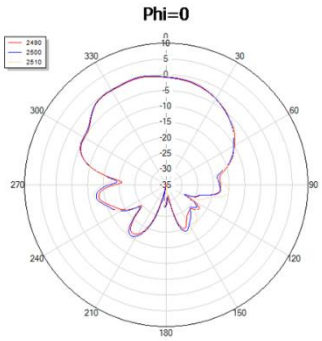
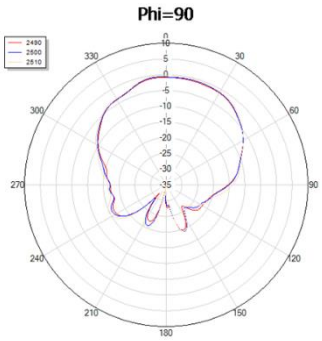
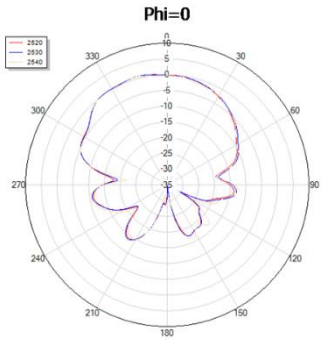
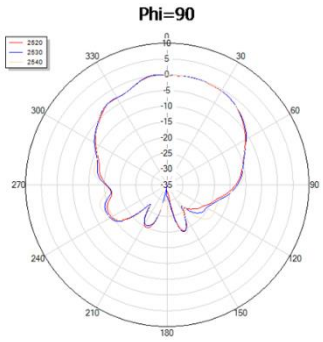
710 MHz		830 MHz	
			
			
900 MHz		1740 MHz	
			
			

1880 MHz		1950 MHz	
			
			
2140 MHz		2350 MHz	
			
			

2450 MHz		2600 MHz	
			
			

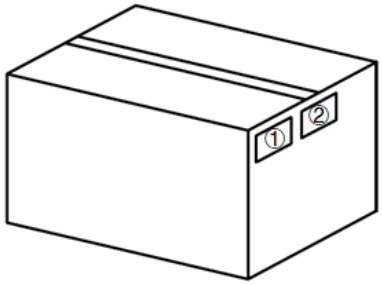
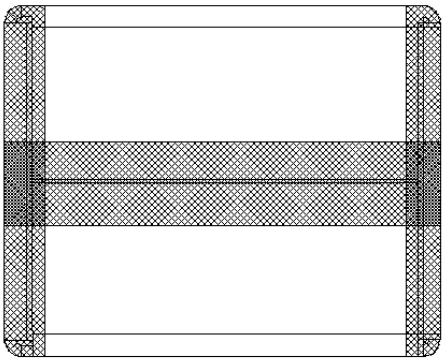
- **4G Div Max Peak Gain**

700 MHz		820 MHz	
			
			

1830 MHz		2400 MHz	
			
			
2500 MHz		**2530 MHz**	
			
			

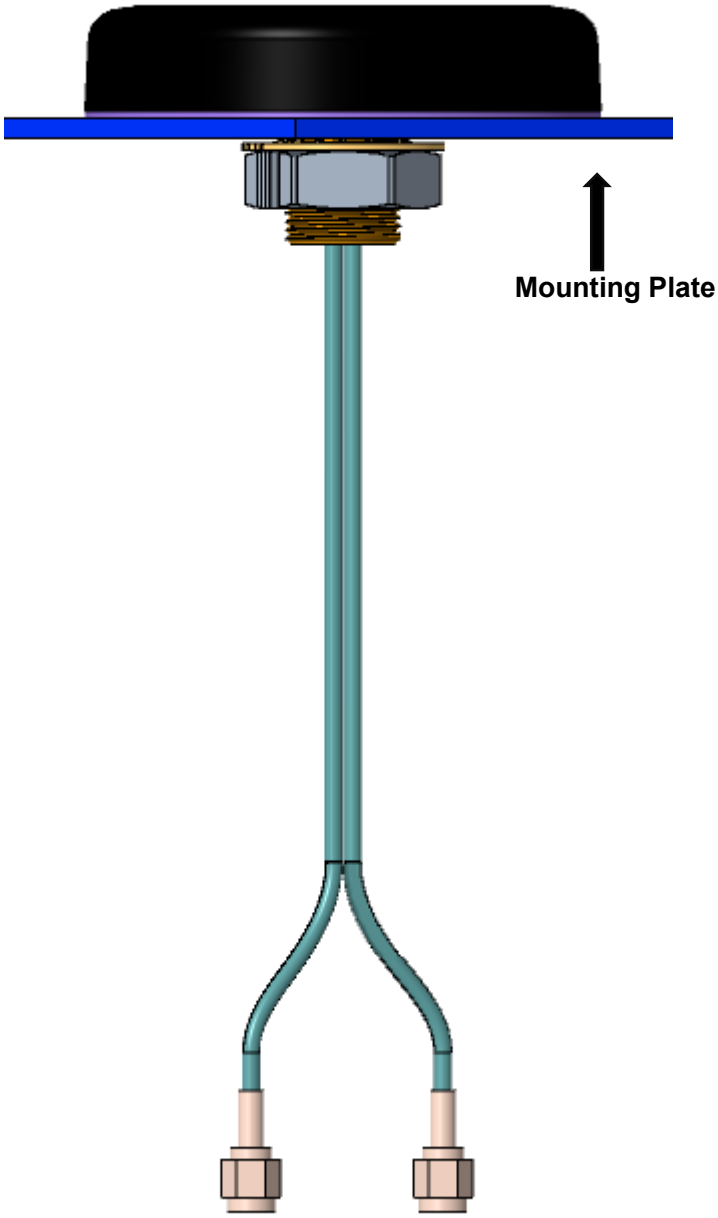
4 Packaging

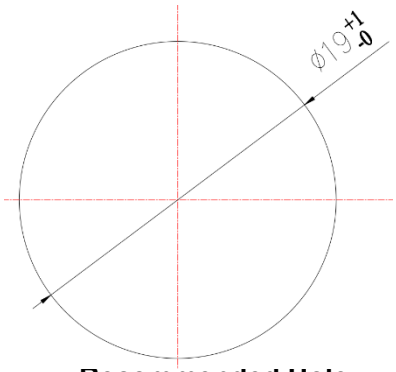
Step	Packaging Picture / 2D Picture	Description
1		1 antenna product head is wrapped with bubble bag. (1 Antenna / Bubble Bag) Whole antenna product in a small PE bag. (1 Antenna / Small PE Bag)
2		12 antenna products in a big PE bag. (12 Antennas / Big PE Bag)
3		(8 Big PE Bags / Carton Box) (96 Antennas / Carton Box) Estimated quantity Products that cannot fill the entire carton box are packed in a suitable size carton box. Carton Size: L × W × H = 470 × 310 × 310 mm

4		**Position for Attaching Labels** ① Carton Label ② Quality Label
5		**Sealing Cartons** H-shaped sealing cartons
Note	The initial packaging method described above is for reference only, and the final actual packaging method shall be subject to the actual shipping packaging.	

5 Installation

- Recommended hole dimensions as below view.
- Recommended mounting plate thickness: 2–10 mm.
- Recommended mounting plate size: ≥ Φ 85 mm.





Recommended Hole

Installation Instructions					
Tube Mark	Tube Color	Cable	Connector	Frequency (MHz)	Technology
4G	Red	ALSR100	SMA Male	700–960 MHz, 1710–2690 MHz	4G/3G/2G
4G-DIV	Red	ALSR100	SMA Male	700–960 MHz, 1710–2690 MHz	4G/3G/2G

Contact Us

At Quectel, our aim is to provide timely and comprehensive services to our customers. If you require any assistance, please contact our headquarters:

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Or our local offices. For more information, please visit:
https://www.quectel.com/contact/.

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https://www.quectel.com/tech-support/.
Or email us at: support@quectel.com.

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Revision History

Version	Date	Author	Note
-	2026-02-09	Christopher Yao/ Blake Xiang/ Riva Ren/ Rainey Liao	Creation of the document
1.0	2026-02-09	Christopher Yao/ Blake Xiang/ Riva Ren/ Rainey Liao	First official release

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