

# Antenna Datasheet

**Product OC:** YEMA301J1AM

**Version:** 1.0

**Date:** 2025-08-04

**Status:** Released

**Product Name:** 4G & GNSS 3in1 Adhesive Mount Combo External  
Antenna

**Key Features:**

Frequency Band: 4G × 2: 698–960 MHz, 1710–2690 MHz

GNSS: 1559–1606 MHz

Dimensions:  $\Phi$  82 mm × 18.2 mm

Efficiency: Up to 73.2 % (4G DIV-FS)

Up to 45.3 % (GNSS-FS)

GNSS LNA Gain: 16 ±3 dB

RoHS Compliant

IP67

# Overview

YEMA301J1AM is a 4G & GNSS 3in1 combo antenna measuring  $\Phi$  82 mm  $\times$  18.2 mm. This ultra-wide-band 4G & GNSS antenna provides broad coverage from 1559–1606 MHz, 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). Ideal for applications where the antenna is required to be discrete, the antenna is available adhesive mount omni-directional antenna. It is easy to install with maximum durability assured and suitable for use in harsh outdoor environments thanks to its IP67 rated enclosure. It is compatible with Quectel's RM520x Series modules.

YEMA301J1AM has 2  $\times$  4G LMH antennas and 1  $\times$  GNSS L1 antenna. It allows high efficiency, stable signal transmission and reception for active GNSS from 1559–1606 MHz, and 4G bands from 698–960 MHz, 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 & GNSS applications.

Typical applications include:

- Public safety
- HD Video Streaming
- Utilities and Smart Cities
- Fleet Management
- Automotive vehicle tracking

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.

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# 1 Specification

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

## 1.1. Electrical

Electrical Specifications			
Frequency Range	4G	698–960 MHz, 1710–2690 MHz	
	4G DIV	698–960 MHz, 1710–2690 MHz	
	GNSS	1559–1606 MHz	
Radiation Pattern	4G	Omni-directional	
	4G DIV	Omni-directional	
	GNSS	Directional	
Polarization	4G	Linear	
	4G DIV	Linear	
	GNSS	RHCP	
Impedance		50 Ω	
Isolation	4G-4G DIV	FS	≤ -10.1 dB
		MP	≤ -10.3 dB
	4G-GNSS	FS	≤ -38.1 dB
		MP	≤ -40.1 dB
	4G DIV-GNSS	FS	≤ -37.2 dB
		MP	≤ -38.9 dB

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

## 1.1.1. 4G

Electrical – Detail									
SPEC	Band	Band	B71	B12 /B13 /B28	B5 /B8 /B26	B1 /B2 /B3	B40	Wi-Fi 2G	B38 /B41
	Freq. (MHz)	600– 700	700– 810	820– 960	1700– 2170	2300– 2400	2400– 2500	2500– 2690	
Max. VSWR	FS	-	3.1	1.4	3.3	1.7	1.6	2.8	
	MP	-	4.5	2.8	3.9	2.9	3.4	3.3	
Max. Return Loss (dB)	FS	-	-5.8	-15.6	-5.5	-11.7	-12.4	-6.4	
	MP	-	-3.9	-6.4	-4.6	-6.4	-5.3	-5.5	
AVG Eff. (%)	FS	-	41.8	45.3	62.6	57.4	59.1	63.3	
	MP	-	28.2	37.1	41.3	46.2	39.0	48.2	
AVG AVG Gain (dB)	FS	-	-3.8	-3.4	-2.1	-2.4	-2.3	-2.0	
	MP	-	-5.5	-4.3	-3.9	-3.4	-4.1	-3.2	
Max. Peak Gain (dBi)	FS	-	-1.0 (700)	0.7 (930)	3.3 (1890)	2.7 (2300)	2.0 (2450)	2.9 (2660)	
	MP	-	-1.9 (810)	-0.5 (900)	5.8 (1830)	4.6 (2310)	4.8 (2500)	7.0 (2660)	
VSWR	FS	≤ 3.3							
	MP	≤ 4.5							
Return Loss	FS	≤ -5.5 dB							
	MP	≤ -3.9 dB							
Peak Gain	FS	≤ 3.3 dBi							
	MP	≤ 7.0 dBi							

## 1.1.2. 4G DIV

Electrical – Detail									
SPEC	Band	Band	B71	B12 /B13 /B28	B5 /B8 /B26	B1 /B2 /B3	B40	Wi-Fi 2G	B38 /B41
	Freq. (MHz)	600– 700	700– 810	820– 960	1700– 2170	2300– 2400	2400– 2500	2500– 2690	
Max. VSWR	FS	-	7.5	7.7	4.9	2.1	2.0	2.9	
	MP	-	10.7	6.9	3.2	4.5	3.5	3.4	
Max. Return Loss (dB)	FS	-	-2.3	-2.3	-3.6	-9.1	-9.5	-6.3	
	MP	-	-1.6	-2.5	-5.7	-3.9	-5.1	-5.3	
AVG Eff. (%)	FS	-	30.2	37.5	57.5	55.3	60.4	59.5	
	MP	-	24.9	40.0	53.5	29.5	36.8	42.6	
AVG AVG Gain (dB)	FS	-	-5.2	-4.3	-2.6	-2.6	-2.2	-2.3	
	MP	-	-6.1	-4.2	-2.8	-5.3	-4.4	-3.8	
Max. Peak Gain (dBi)	FS	-	-1.3 (730)	-0.4 (920)	2.3 (2170)	1.7 (2390)	2.5 (2500)	4.2 (2550)	
	MP	-	-2.3 (740)	0.1 (910)	4.3 (2000)	2.8 (2400)	3.3 (2440)	4.9 (2590)	
VSWR	FS	≤ 7.7							
	MP	≤ 10.7							
Return Loss	FS	≤ -2.3 dB							
	MP	≤ -1.6 dB							
Peak Gain	FS	≤ 4.2 dBi							
	MP	≤ 4.9 dBi							

### 1.1.3. GNSS

Frequency (MHz)	Band	GPS L5	GALILEO	GPS L2	GLONASS	BDS B3	BDS B1I	GPS L1	GLONASS
		E5a	E5b	QZSS L2C	G2			E1	G1
		BDS B2a- B2I	BDS B2b					BDS B1C	
		QZSS L5						QZSS L1	
		IRNSS L5							
		1176	1207	1227	1248	1268	1561	1575	1602
VSWR	MP	-	-	-	-	-	1.7	1.7	1.3
	FS	-	-	-	-	-	1.4	1.3	1.0
Return Loss (dB)	MP	-	-	-	-	-	-12.1	-11.9	-16.8
	FS	-	-	-	-	-	-15.6	-17.6	-37.1
Efficiency (%)	MP	-	-	-	-	-	46.6	50.7	65.5
	FS	-	-	-	-	-	41.3	45.3	44.3
AVG Gain (dB)	MP	-	-	-	-	-	-3.3	-3.0	-1.8
	FS	-	-	-	-	-	-3.8	-3.4	-3.5
Peak Gain (dBi)	MP	-	-	-	-	-	2.3	2.7	4.4
	FS	-	-	-	-	-	0.1	2.5	1.6

#### LNA Electrical

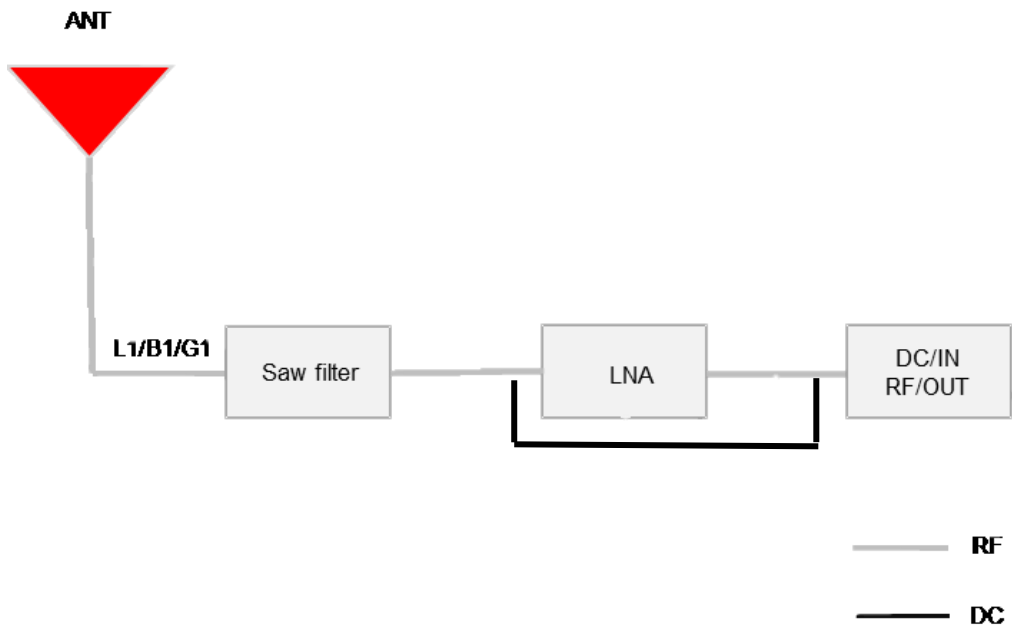
LNA Gain	16 ±3 dB
Noise Figure	≤ 2.5 dB
Output VSWR	< 2.0
Filter Out-of-Band Attenuation	≥ 45 dB f0 ±100 MHz f0 (1568 MHz)
Working Voltage	2.7–3.3 V
Working Current	4.3 ±1.5 mA @ 3 V
Impedance	50 Ω

## 1.2. Mechanical & Environmental

Mechanical		
Antenna Dimensions	Φ 82 mm × 18.2 mm	
Antenna Material & Color	ABS + PC & Black	
Cable Type & Color & Length	<b>4G</b>	ALSR302 & Black & 300 mm
	<b>4G DIV</b>	ALSR302 & Black & 300 mm
	<b>GNSS</b>	RG174 & Black & 300 mm
Connector Type	SMA Male	
Mounting Type	Adhesive	
Weight	Typ. 80 g	
Environmental		
Operation Temperature	-40 °C to +85 °C	
Storage Temperature	-40 °C to +85 °C	
Ingress Protection (IP) Rating	IP67	
RoHS Compliant	Yes	



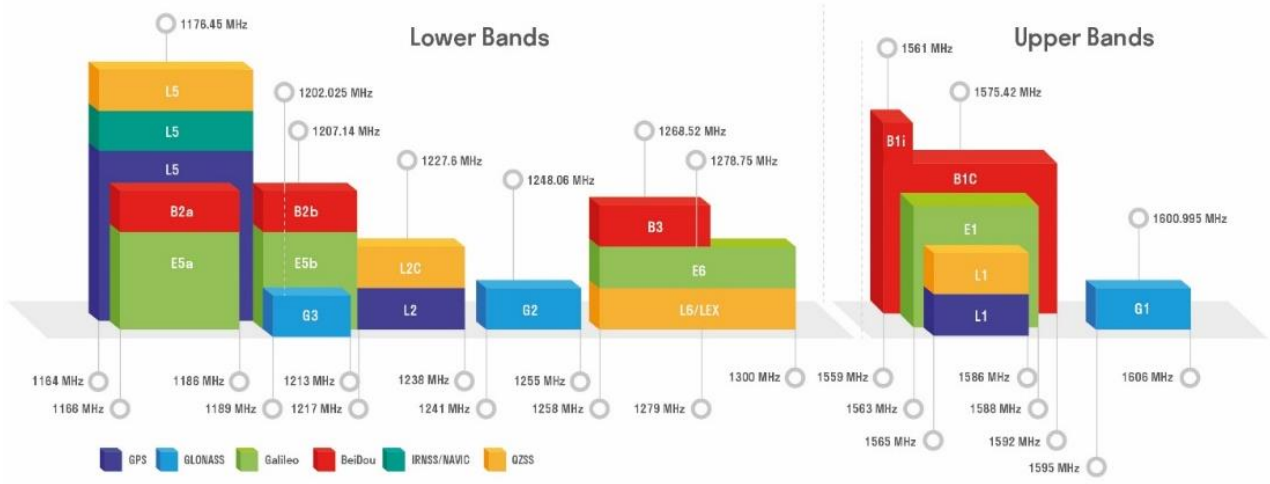
### 1.3. Block Diagram (Active Antenna)



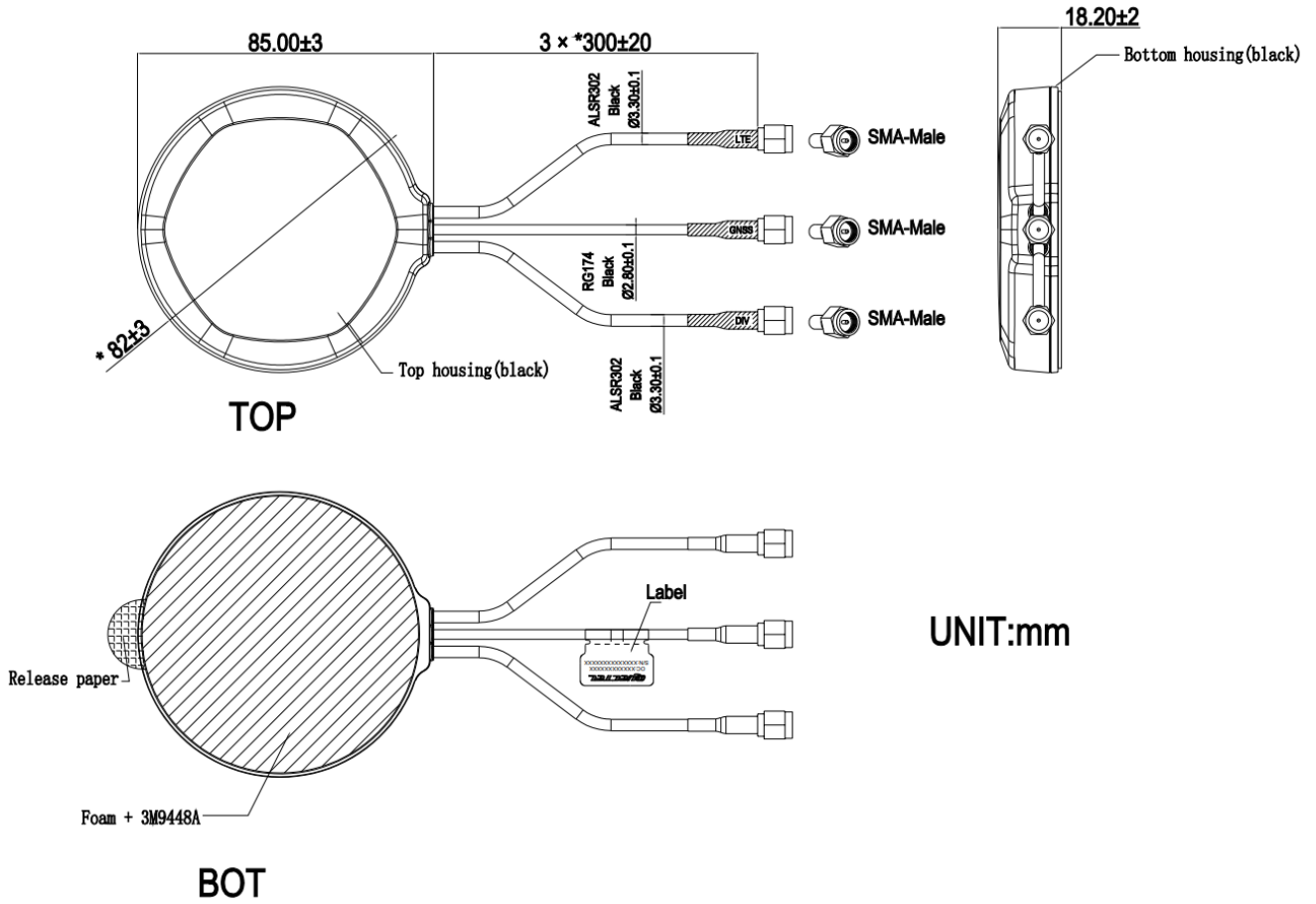
## 1.4. Supported GNSS Frequency Bands

GNSS Frequency Bands (MHz)					
<b>GPS</b>	<b>L1</b> Centre 1575.42 (1565–1586)	<b>L2</b> Centre 1227.6 (1217–1238)	<b>L5</b> Centre 1176.45 (1164–1189)		
	√	√	√		
<b>GLONASS</b>	<b>G1-L10C-L10F</b> Centre 1601 (1595–1606)	<b>G2-L20C-L20F</b> Centre 1248.06 (1241–1255)	<b>G3-L30C</b> Centre 1202.025 (1189–1213)		
	√	√	√		
<b>GALILEO</b>	<b>E1</b> Centre 1575.42 (1563–1588)	<b>E5a</b> Centre 1176.45 (1166–1187)	<b>E5b</b> Centre 1207.14 (1197–1218)	<b>E6</b> Centre 1278.75 (1258–1300)	
	√	√	√	√	
<b>BDS</b>	<b>B1I</b> Centre 1561.098 (1559–1564)	<b>B1C (BDS-3)</b> Centre 1575.42 (1559–1592)	<b>B2a</b> Centre 1176.45 (1166–1187)	<b>B2b-B2I</b> Centre 1207.14 (1197–1217)	<b>B3</b> Centre 1268.52 (1258–1279)
	√	√	-	-	-
<b>QZSS</b>	<b>L1</b> Centre 1575.42 (1573–1578)	<b>L2C</b> Centre 1227.6 (1226–1229)	<b>L5</b> Centre 1176.45 (1166–1187)	<b>L6</b> Centre 1278.75 (1257–1300)	
	√	-	-	-	
<b>IRNSS</b>	<b>L5</b> Centre 1176.45 (1164–1189)				
	-				

### GNSS Bands and Constellations



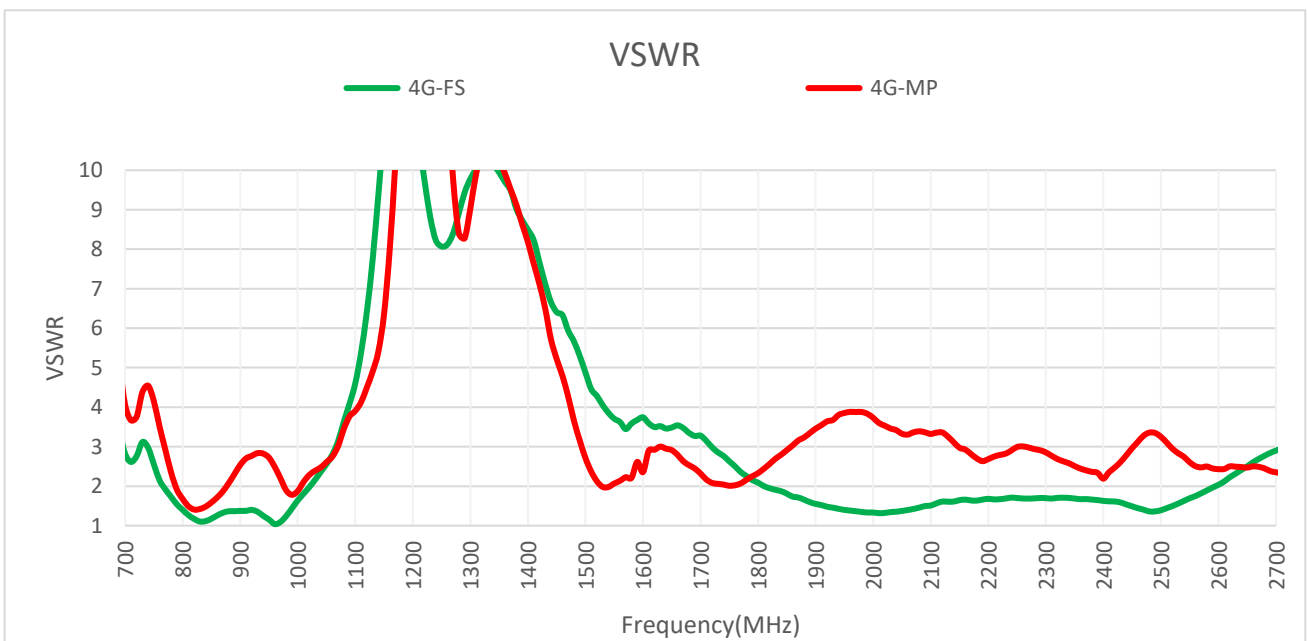
# 2 Drawing



# 3 Detailed Performance

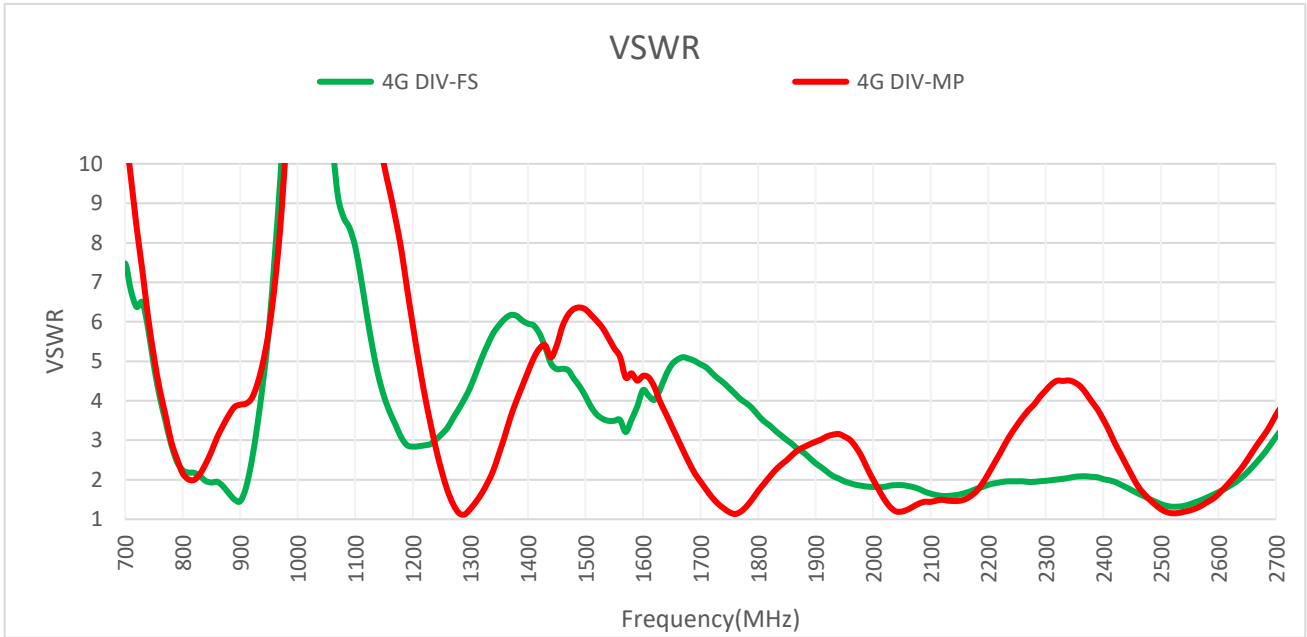
## 3.1. S-Parameter Test

### 3.1.1. VSWR



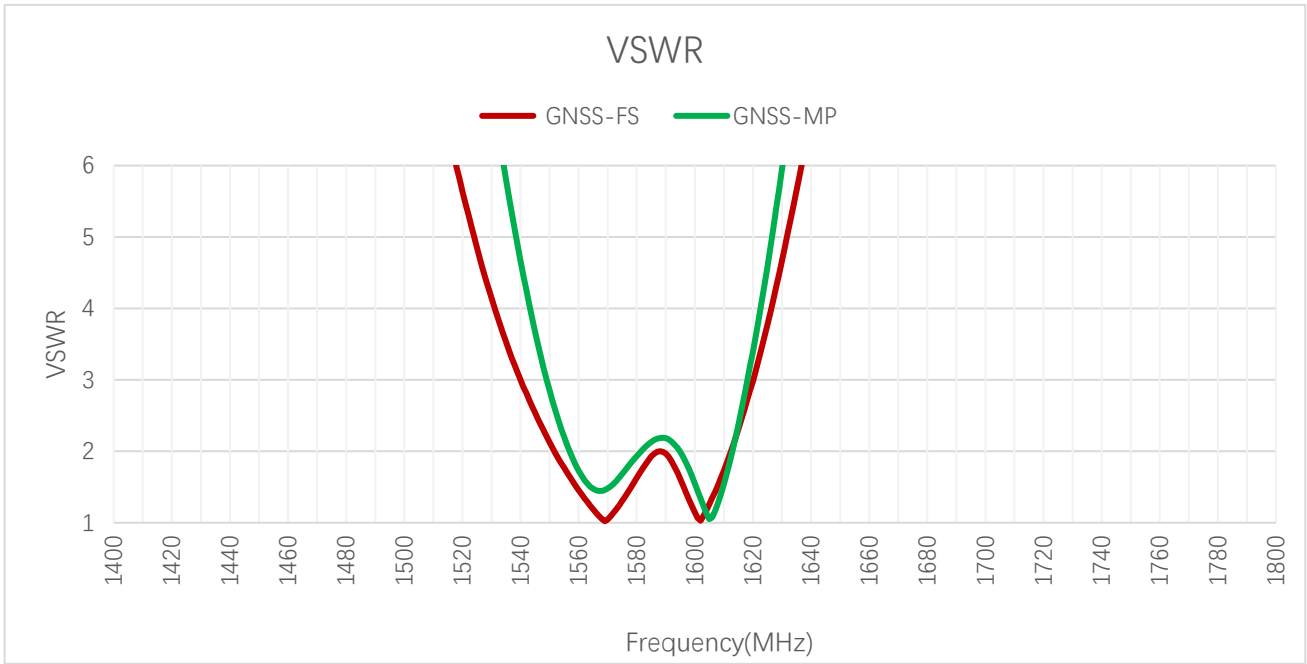
**VSWR – 4G**

Frequency (MHz)		600	630	710	830	900	960	1440	1710	1740	1880
VSWR	FS	-	-	2.6	1.1	1.4	1.0	-	3.1	2.8	1.7
	MP	-	-	3.7	1.4	2.5	2.5	-	2.2	2.0	3.2
Frequency (MHz)		1950	2140	2350	2450	2600	2690	4700	5000	5500	6000
VSWR	FS	1.4	1.6	1.7	1.5	2.0	2.8	-	-	-	-
	MP	3.9	3.1	2.5	3.0	2.4	2.4	-	-	-	-



**VSWR – 4G DIV**

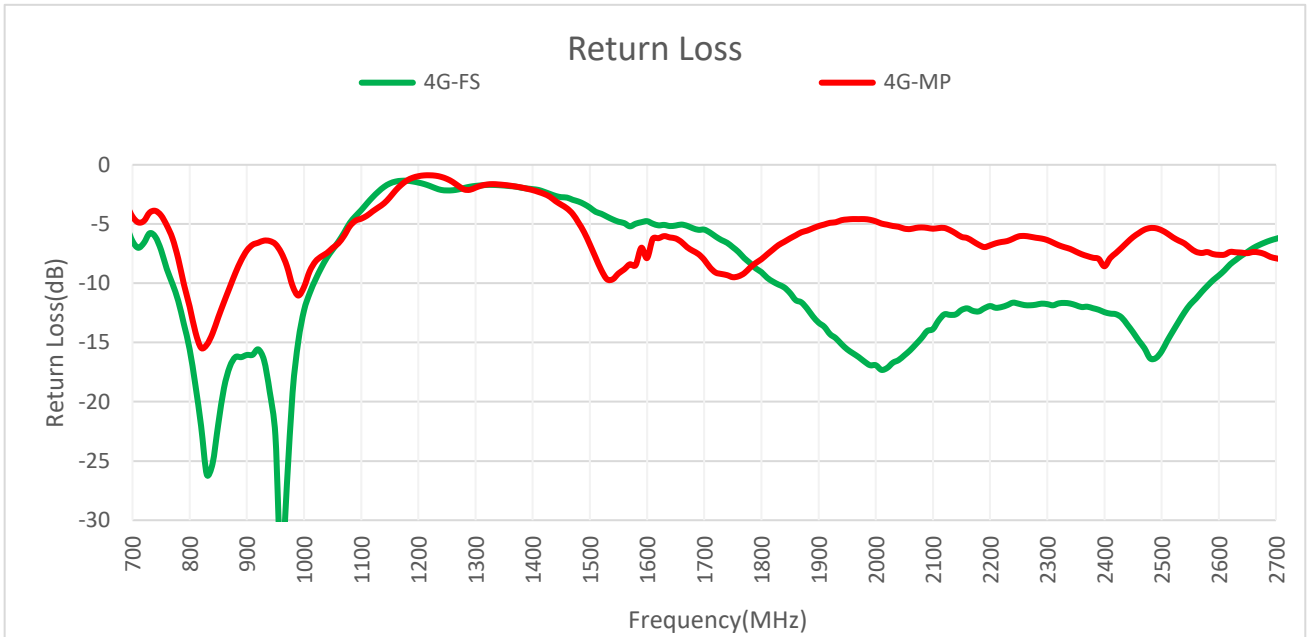
Frequency (MHz)		600	630	710	830	900	960	1440	1710	1740	1880
VSWR	FS	-	-	6.8	2.1	1.5	7.7	-	4.8	4.5	2.7
	MP	-	-	9.7	2.1	3.9	6.9	-	1.7	1.3	2.8
Frequency (MHz)		1950	2140	2350	2450	2600	2690	4700	5000	5500	6000
VSWR	FS	2.0	1.6	2.1	1.7	1.7	2.9	-	-	-	-
	MP	3.1	1.5	4.5	2.1	1.6	3.4	-	-	-	-



**VSWR – GNSS**

Frequency (MHz)		1176	1207	1227	1248	1268	1561	1575	1602
VSWR	FS	-	-	-	-	-	1.4	1.3	1.0
	MP	-	-	-	-	-	1.7	1.7	1.3

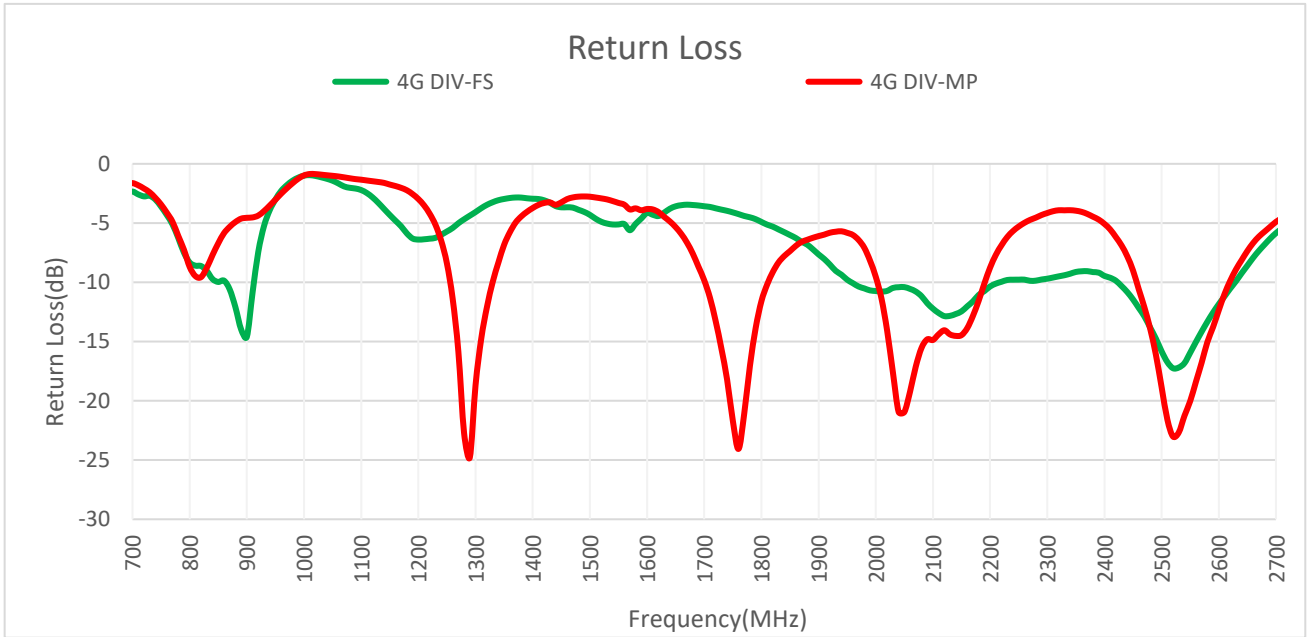
**3.1.2. Return Loss**



**Return Loss (dB) – 4G**

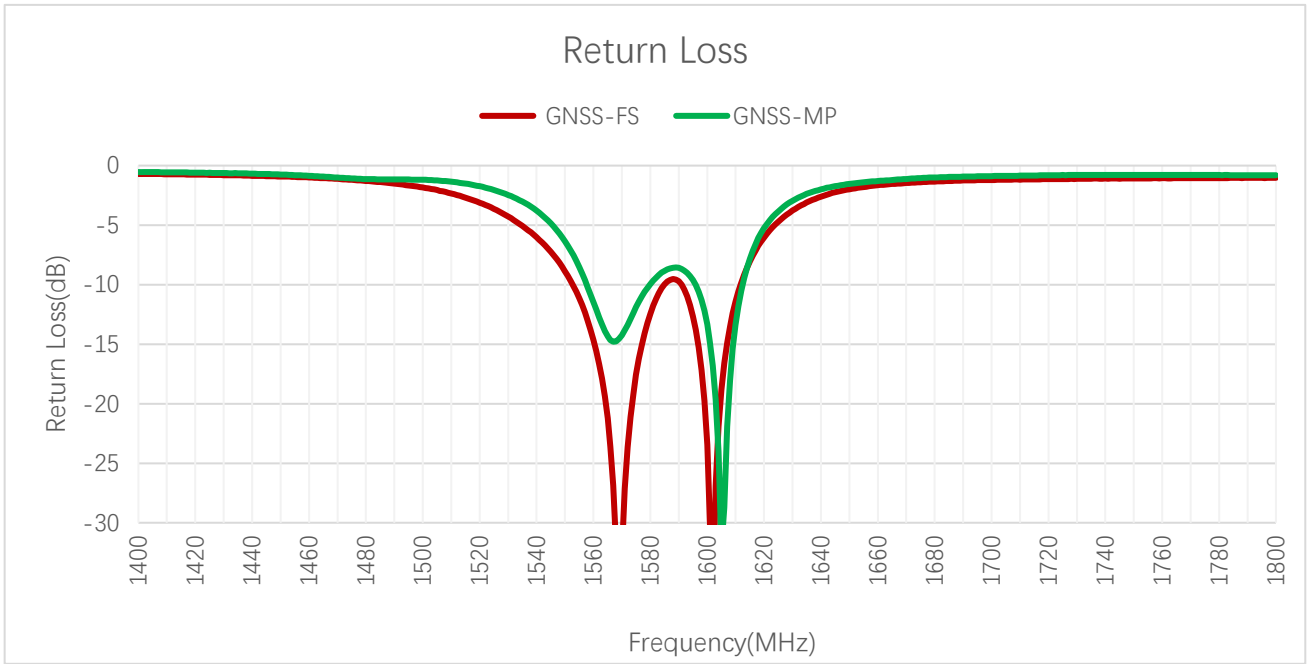
Frequency (MHz)		600	630	710	830	900	960	1440	1710	1740	1880
Return Loss (dB)	FS	-	-	-7.0	-26.2	-16.1	-34.4	-	-5.7	-6.6	-12.1
	MP	-	-	-4.9	-15.2	-7.2	-7.4	-	-8.7	-9.3	-5.6
Frequency (MHz)		1950	2140	2350	2450	2600	2690	4700	5000	5500	6000
Return Loss (dB)	FS	-15.6	-12.6	-11.8	-14.1	-9.3	-6.4	-	-	-	-
	MP	-4.6	-5.8	-7.3	-6.1	-7.6	-7.8	-	-	-	-





**Return Loss (dB) – 4G DIV**

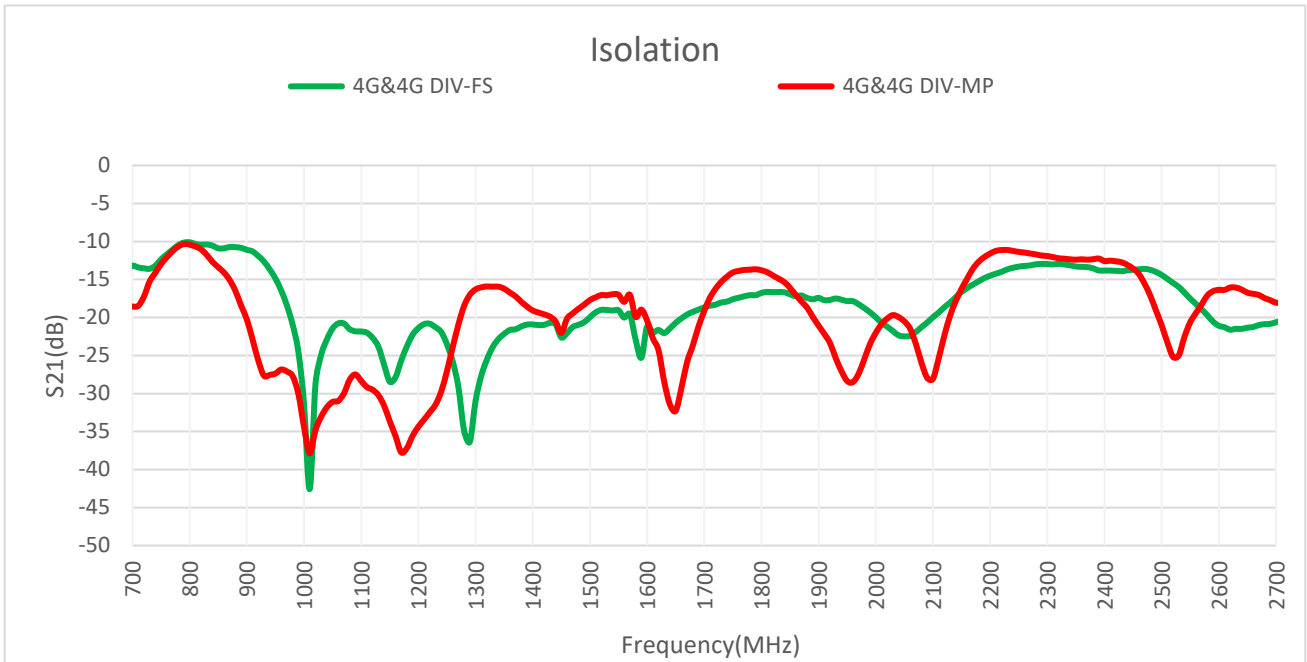
Frequency (MHz)		600	630	710	830	900	960	1440	1710	1740	1880
Return Loss (dB)	FS	-	-	-2.6	-9.0	-14.6	-2.3	-	-3.6	-4.0	-6.8
	MP	-	-	-1.8	-8.8	-4.6	-2.5	-	-11.3	-18.2	-6.4
Frequency (MHz)		1950	2140	2350	2450	2600	2690	4700	5000	5500	6000
Return Loss (dB)	FS	-9.8	-12.7	-9.1	-11.4	-11.8	-6.3	-	-	-	-
	MP	-5.8	-14.5	-4.0	-9.0	-12.4	-5.3	-	-	-	-



**Return Loss (dB) – GNSS**

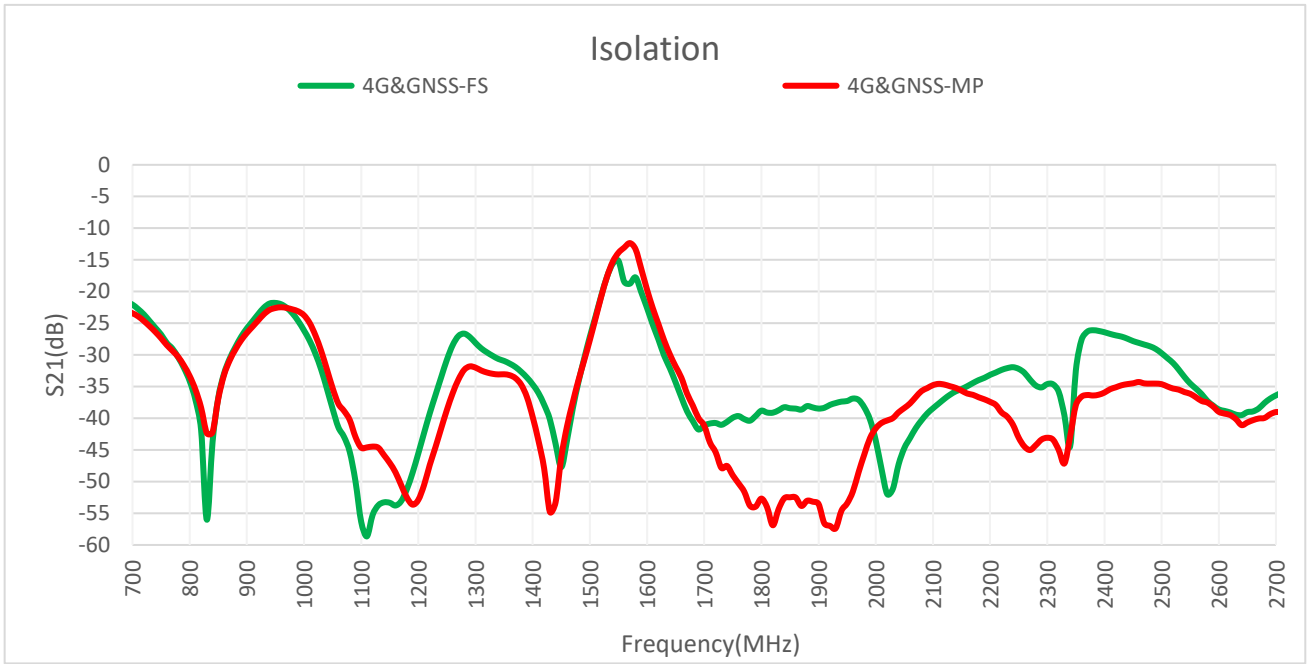
Frequency (MHz)		1176	1207	1227	1248	1268	1561	1575	1602
Return Loss (dB)	FS	-	-	-	-	-	-15.6	-17.6	-37.1
	MP	-	-	-	-	-	-12.1	-11.9	-16.8

**3.1.3. Isolation**



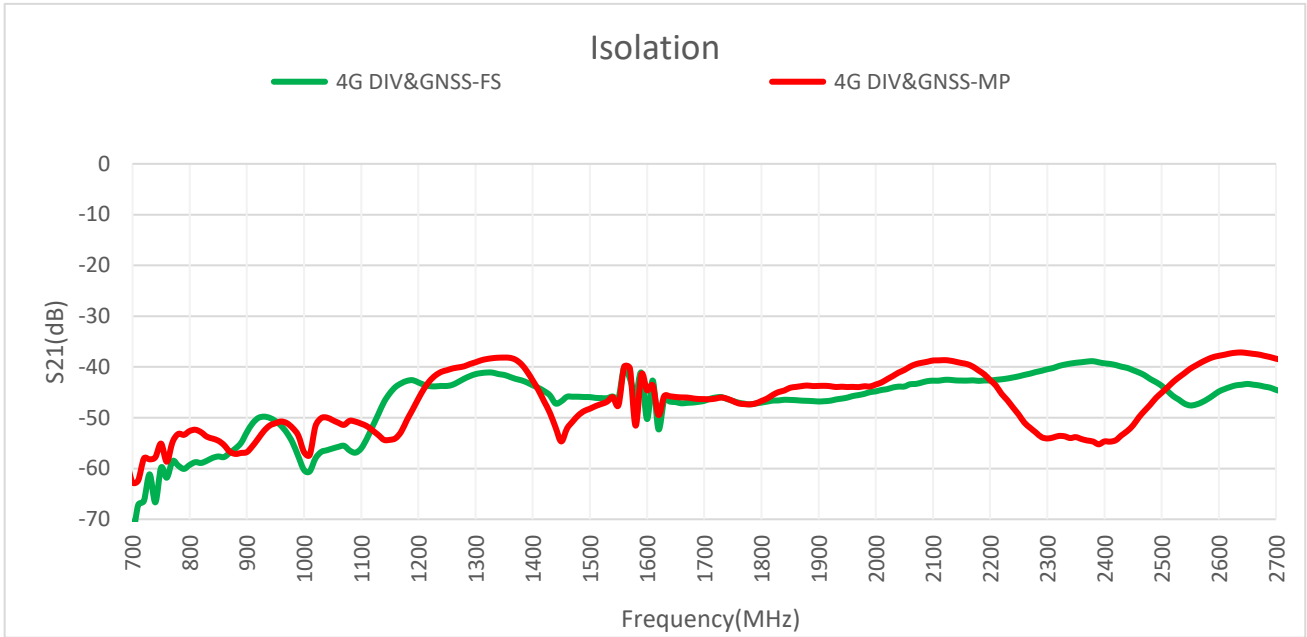
**Max Isolation (dB) – 4G & 4G DIV**

Band	B71	B12/ B13/ B28	B5/ B8/ B26	B1/ B2/ B3	B40	Wi-Fi 2G	B38/ B41	BDS B1I	GPS L1
Freq. (MHz)	600– 700	700– 810	820– 960	1700– 2170	2300– 2400	2400– 2500	2500– 2690	1559– 1564	1565– 1586
<b>FS</b>	-	-10.1	-10.4	-15.7	-12.9	-13.6	-14.4	-20.0	-19.6
<b>MP</b>	-	-10.3	-11.0	-13.6	-11.9	-12.5	-16.1	-17.9	-17.0



**Max Isolation (dB) – 4G & GNSS**

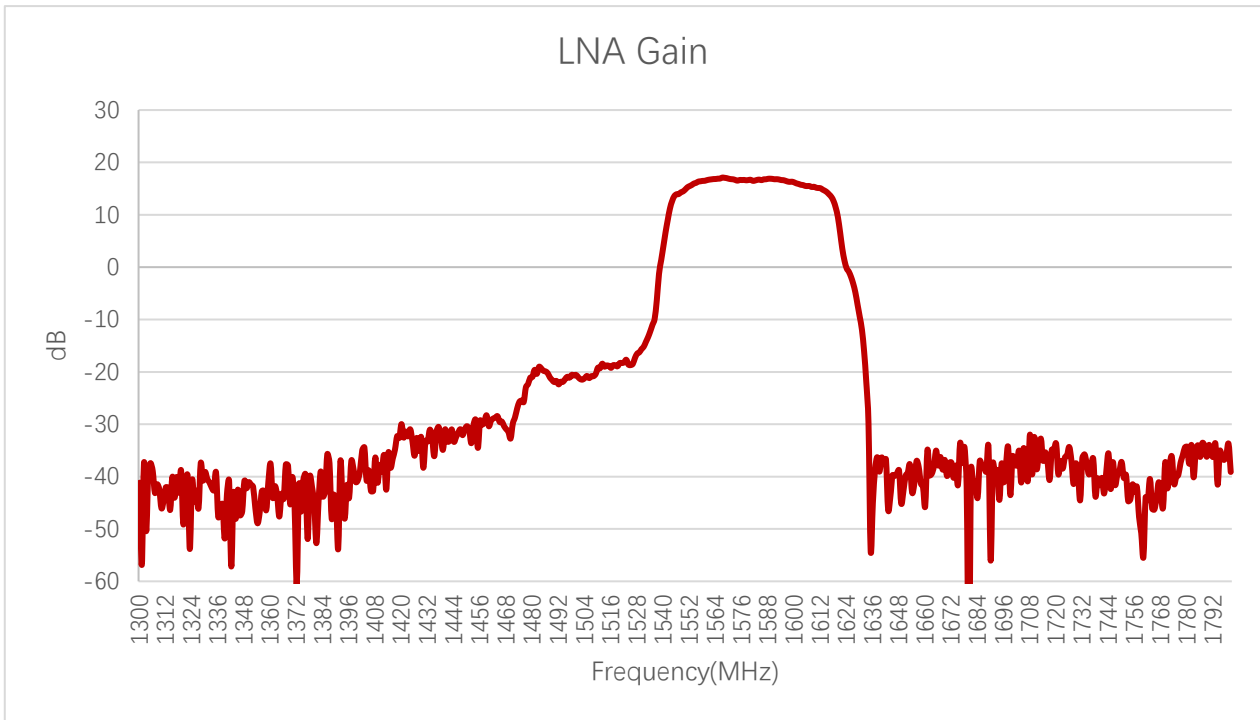
Band	B71	B12/ B13/ B28	B5/ B8/ B26	B1/ B2/ B3	B40	Wi-Fi 2G	B38/ B41	BDS B1I	GPS L1
Freq. (MHz)	600– 700	700– 810	820– 960	1700– 2170	2300– 2400	2400– 2500	2500– 2690	1559– 1564	1565– 1586
FS	-	-40.1	-56.9	-56.9	-48.4	-42.1	-40.2	-40.1	-40.4
MP	-	-38.1	-51.3	-54.2	-53.8	-42.9	-51.5	-42.6	-42.3



**Max Isolation (dB) – 4G DIV & GNSS**

Band	B71	B12/ B13/ B28	B5/ B8/ B26	B1/ B2/ B3	B40	Wi-Fi 2G	B38/ B41	BDS B1I	GPS L1
Freq. (MHz)	600– 700	700– 810	820– 960	1700– 2170	2300– 2400	2400– 2500	2500– 2690	1559– 1564	1565– 1586
MP	-	-58.5	-49.8	-42.5	-38.9	-39.3	-43.3	-40.1	-42.3
FS	-	-52.4	-50.7	-38.7	-53.6	-45.1	-37.2	-39.9	-40.3

**3.1.4. GNSS LNA Gain**

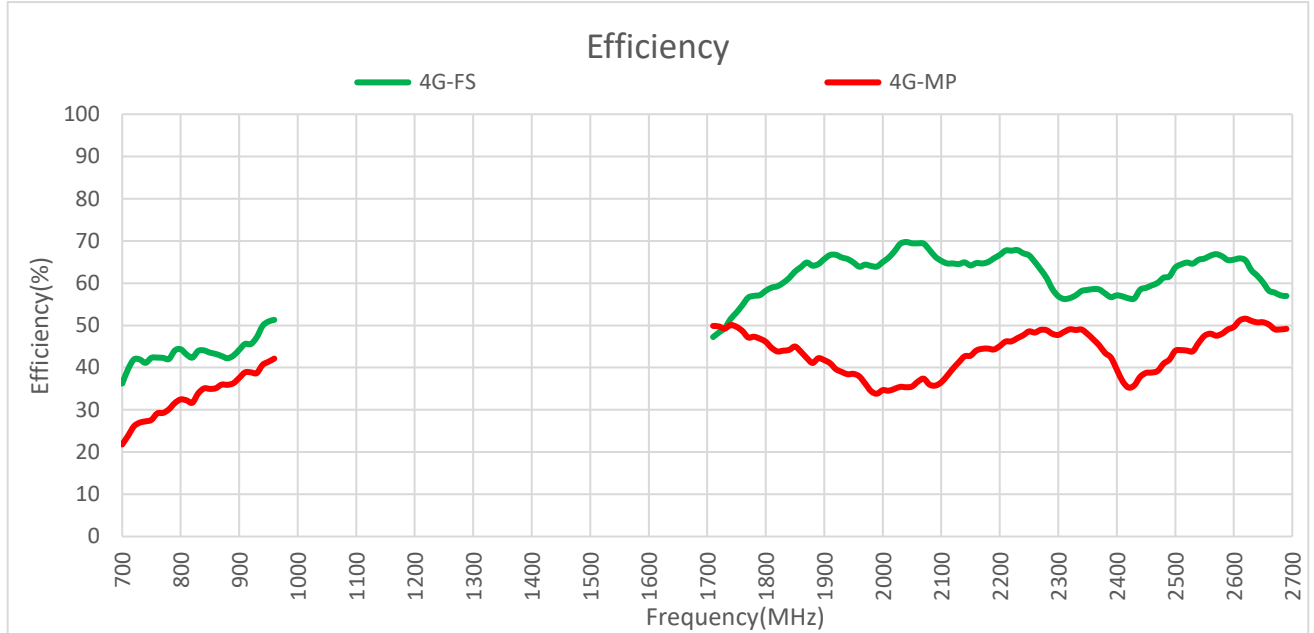


**LNA Gain (dB)**

Frequency (MHz)	1176	1207	1227	1248	1268	1561	1575	1602
LNA Gain (dB)	-	-	-	-	-	16.7	16.6	15.8

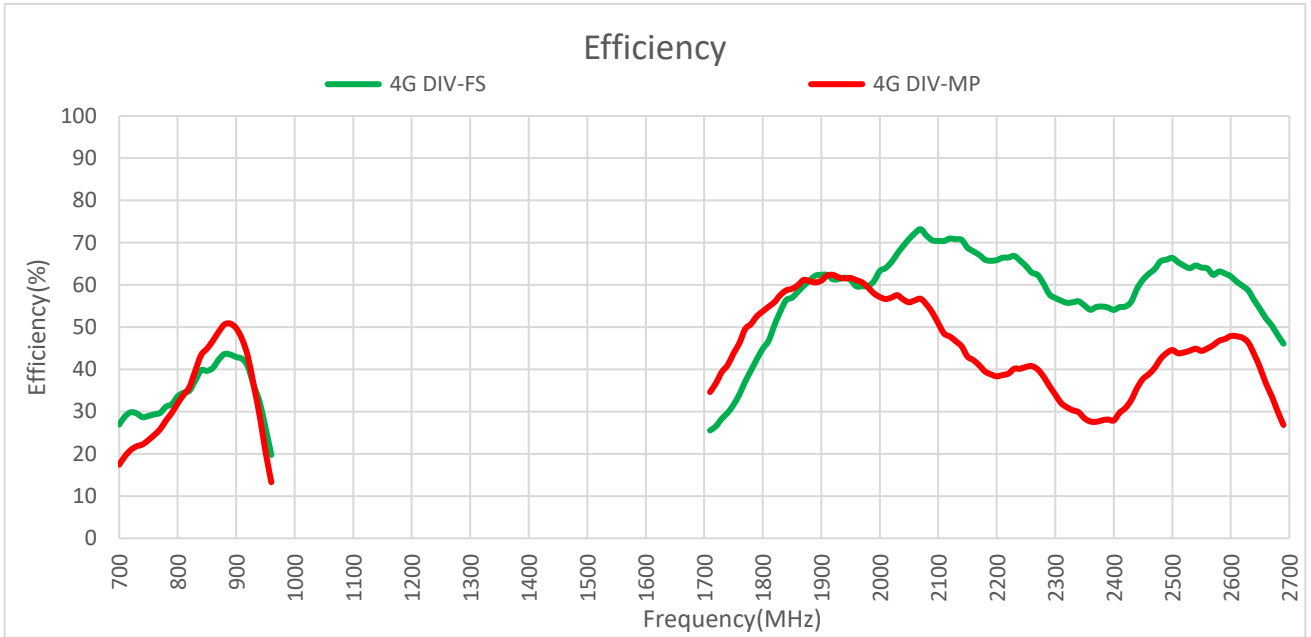
### 3.2. Radiation Performance Test

#### 3.2.1. Efficiency



**Efficiency (%) – 4G**

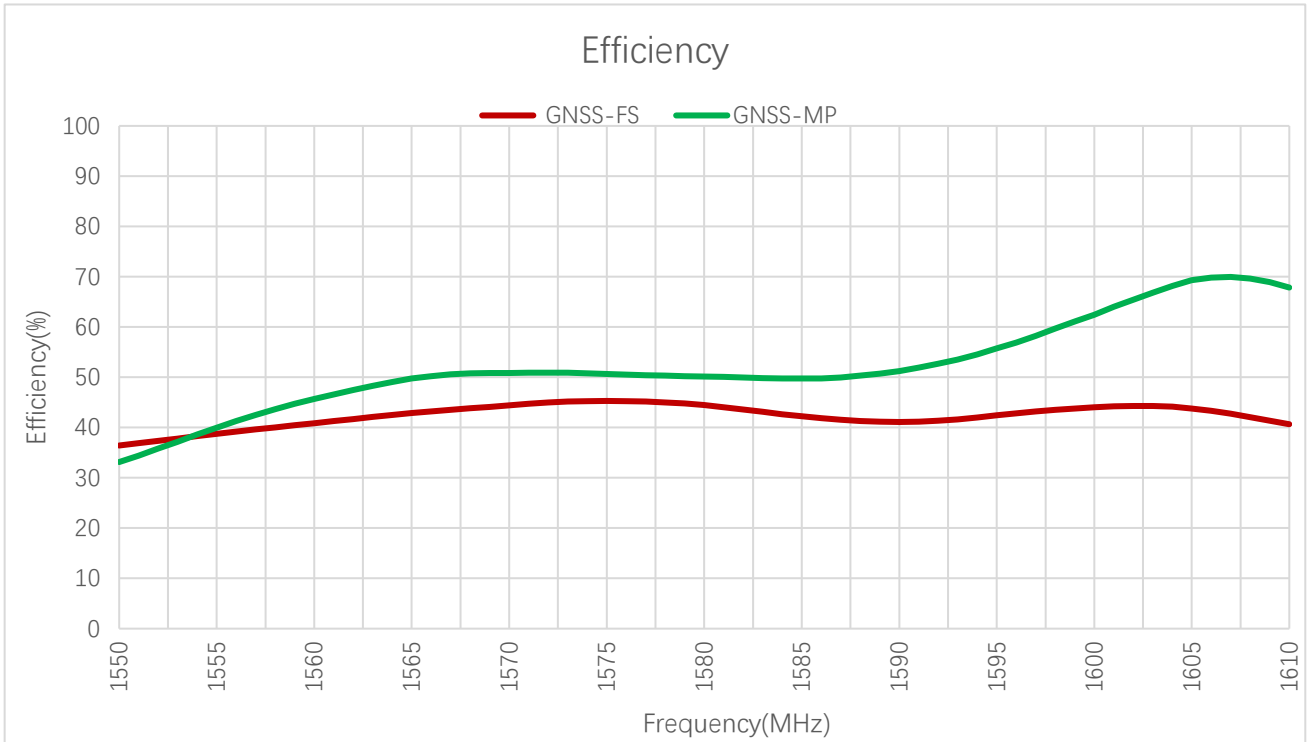
Frequency (MHz)		600	630	710	830	900	960	1440	1710	1740	1880
Efficiency (%)	FS	-	-	39.6	44.0	44.2	51.3	-	47.2	51.5	64.1
	MP	-	-	23.9	33.9	37.5	42.1	-	49.9	50.1	41.1
Frequency (MHz)		1950	2140	2350	2450	2600	2690	4700	5000	5500	6000
Efficiency (%)	FS	64.9	64.9	58.4	58.9	65.6	57.0	-	-	-	-
	MP	38.5	42.7	48.0	38.7	49.6	49.2	-	-	-	-



**Efficiency (%) – 4G DIV**

Frequency (MHz)		600	630	710	830	900	960	1440	1710	1740	1880
Efficiency (%)	FS	-	-	28.9	37.4	42.9	19.8	-	25.5	29.7	61.0
	MP	-	-	19.5	39.6	49.7	13.3	-	34.6	41.0	60.9
Frequency (MHz)		1950	2140	2350	2450	2600	2690	4700	5000	5500	6000
Efficiency (%)	FS	61.2	70.7	55.1	61.3	62.0	46.1	-	-	-	-
	MP	61.7	45.5	28.4	37.8	47.9	26.8	-	-	-	-

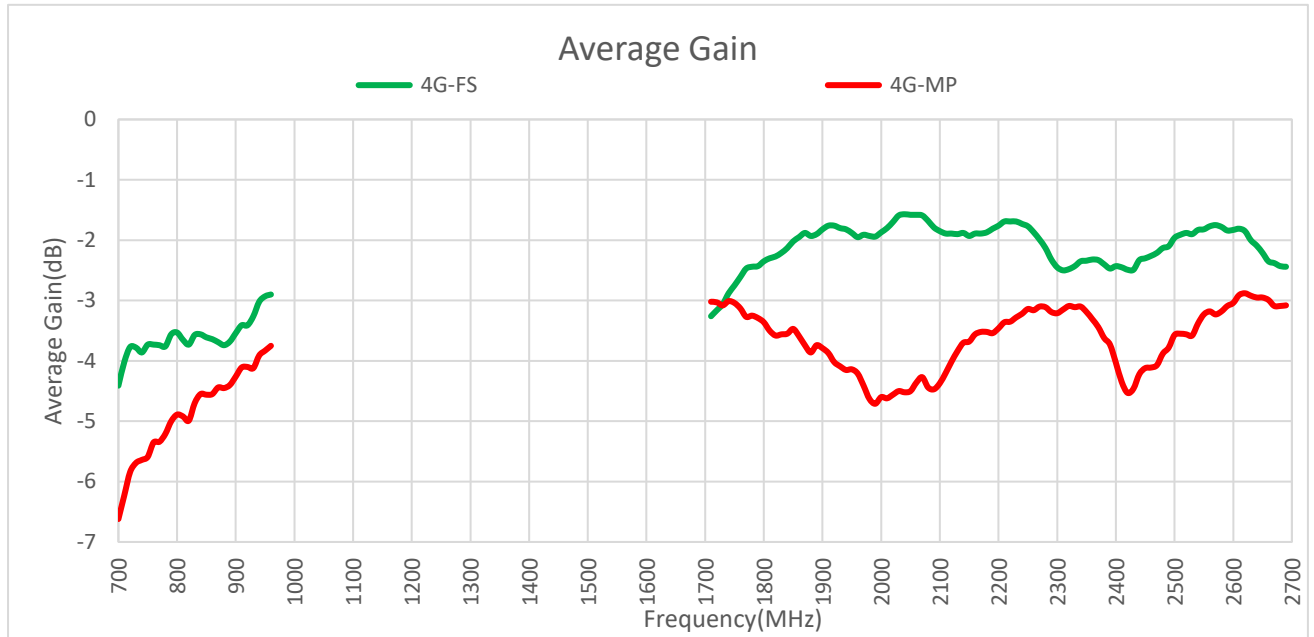




**Efficiency (%) – GNSS**

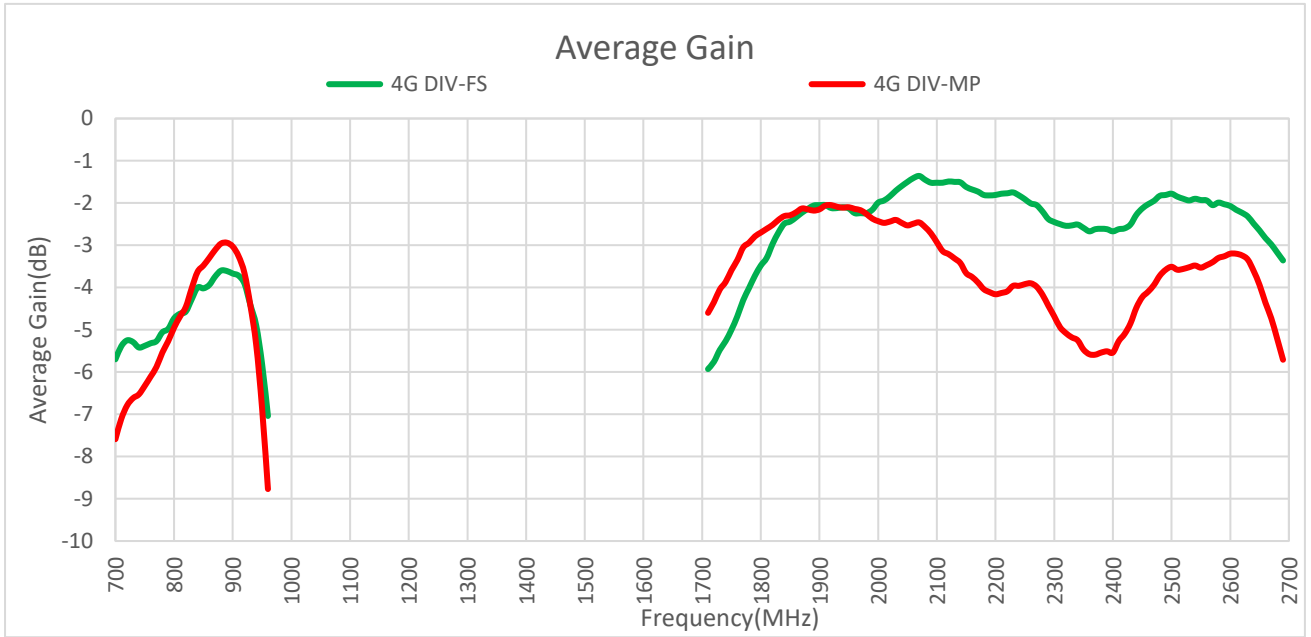
Frequency (MHz)		1176	1207	1227	1248	1268	1561	1575	1602
Efficiency (%)	FS	-	-	-	-	-	41.3	45.3	44.3
	MP	-	-	-	-	-	46.6	50.7	65.5

**3.2.2. Average Gain**



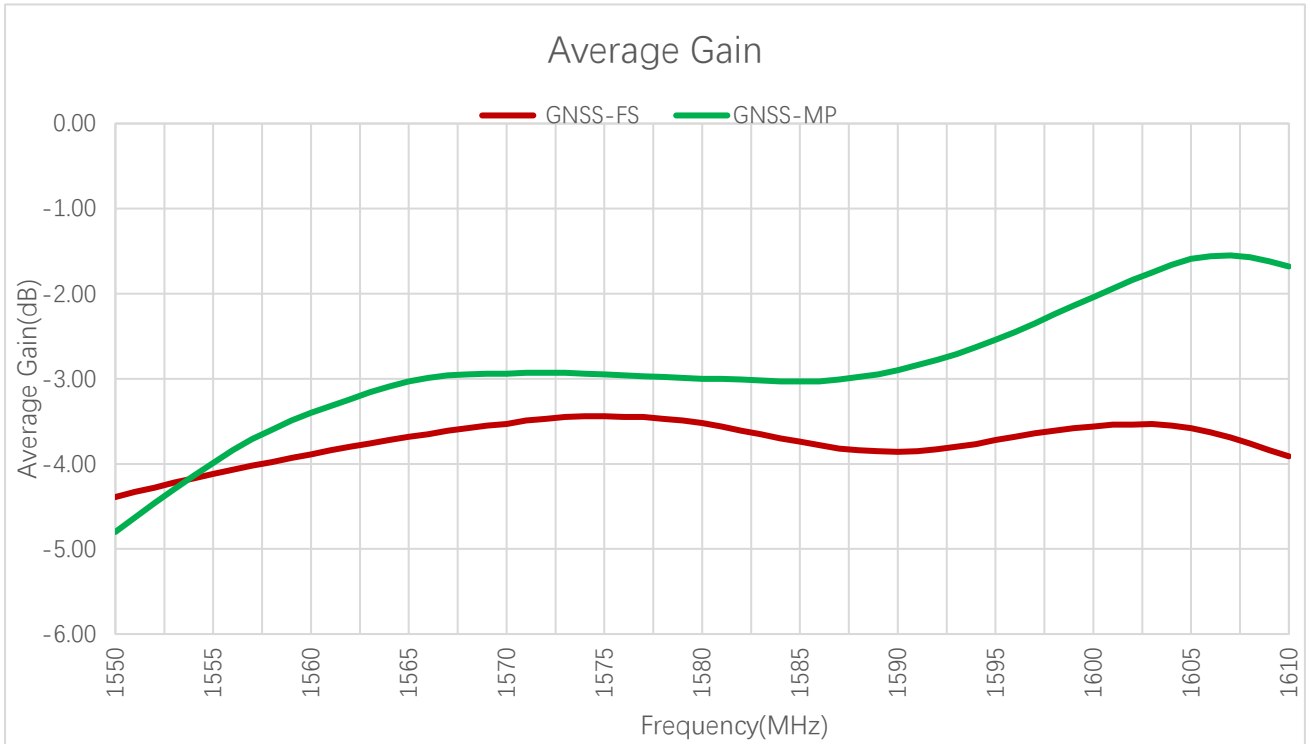
**Average Gain (dB) – 4G**

Frequency (MHz)		600	630	710	830	900	960	1440	1710	1740	1880
Average Gain (dB)	FS	-	-	-4.0	-3.6	-3.5	-2.9	-	-3.3	-2.9	-1.9
	MP	-	-	-6.2	-4.7	-4.3	-3.8	-	-3.0	-3.0	-3.9
Frequency (MHz)		1950	2140	2350	2450	2600	2690	4700	5000	5500	6000
Average Gain (dB)	FS	-1.9	-1.9	-2.3	-2.3	-1.8	-2.4	-	-	-	-
	MP	-4.1	-3.7	-3.2	-4.1	-3.0	-3.1	-	-	-	-



**Average Gain (dB) – 4G DIV**

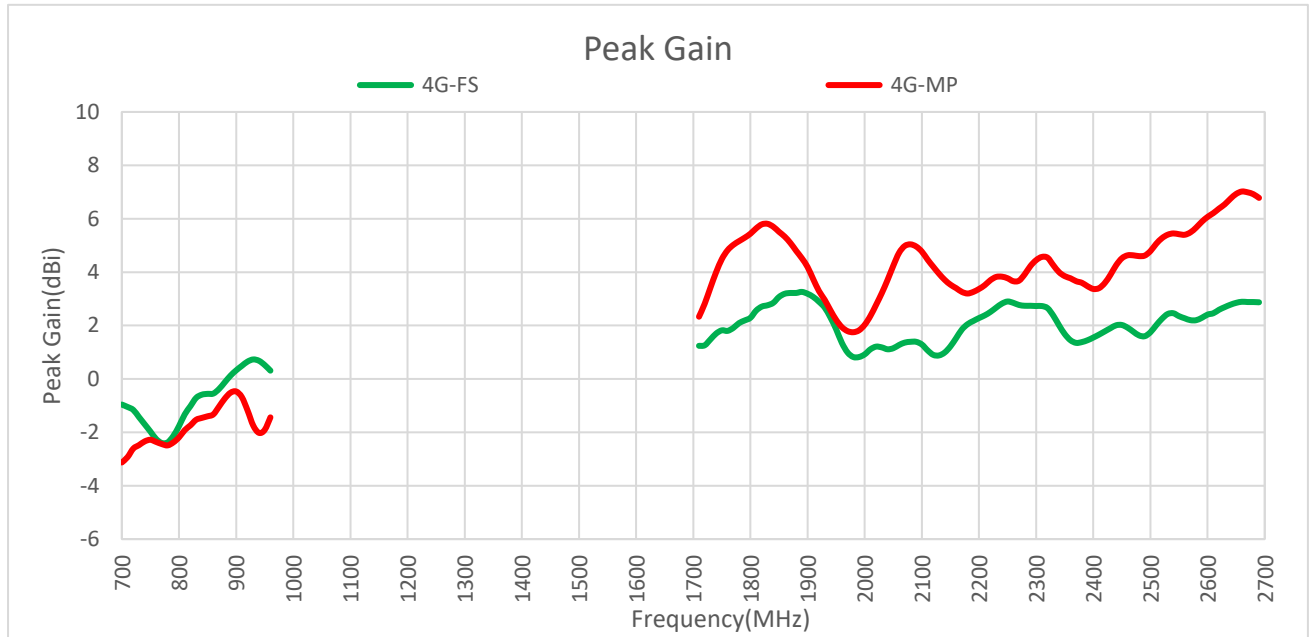
Frequency (MHz)		600	630	710	830	900	960	1440	1710	1740	1880
Average Gain (dB)	FS	-	-	-5.4	-4.3	-3.7	-7.0	-	-5.9	-5.3	-2.1
	MP	-	-	-7.1	-4.0	-3.0	-8.8	-	-4.6	-3.9	-2.2
Frequency (MHz)		1950	2140	2350	2450	2600	2690	4700	5000	5500	6000
Average Gain (dB)	FS	-2.1	-1.5	-2.6	-2.1	-2.1	-3.4	-	-	-	-
	MP	-2.1	-3.4	-5.5	-4.2	-3.2	-5.7	-	-	-	-



**Average Gain (dB) – GNSS**

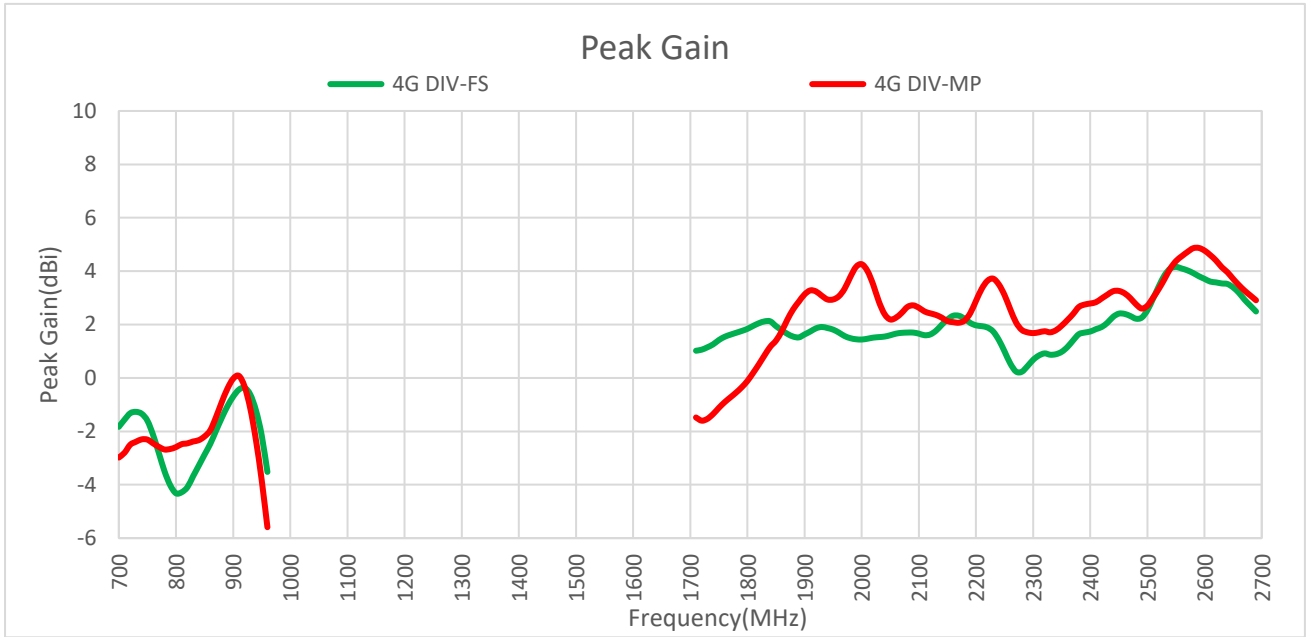
Frequency (MHz)		1176	1207	1227	1248	1268	1561	1575	1602
Average Gain (dB)	FS	-	-	-	-	-	-3.8	-3.4	-3.5
	MP	-	-	-	-	-	-3.3	-3.0	-1.8

**3.2.3. Peak Gain**



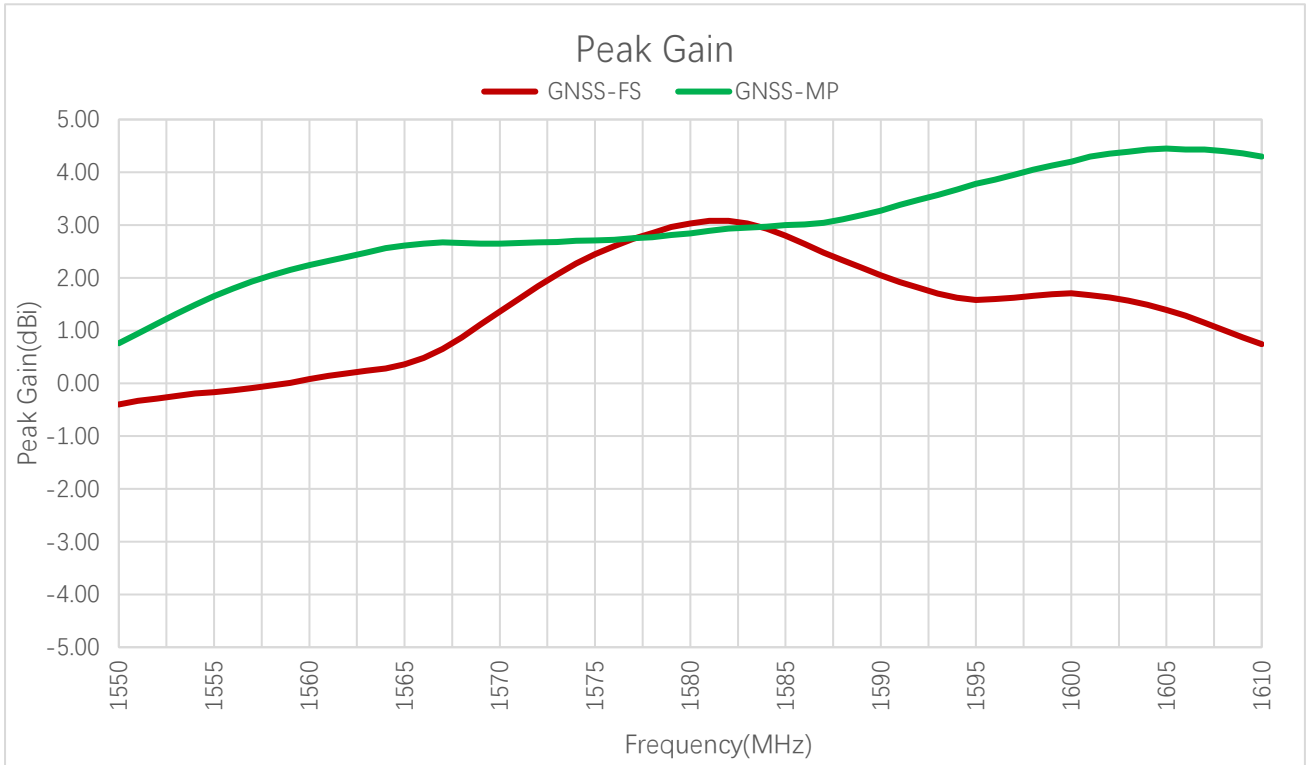
**Peak Gain (dBi) – 4G**

Frequency (MHz)		600	630	710	830	900	960	1440	1710	1740	1880
Peak Gain (dBi)	FS	-	-	-1.1	-0.7	0.3	0.3	-	1.2	1.7	3.2
	MP	-	-	-2.9	-1.5	-0.5	-1.4	-	2.3	4.0	4.8
Frequency (MHz)		1950	2140	2350	2450	2600	2690	4700	5000	5500	6000
Peak Gain (dBi)	FS	1.9	1.0	1.7	2.0	2.4	2.9	-	-	-	-
	MP	2.2	3.7	3.9	4.5	6.1	6.8	-	-	-	-



**Peak Gain (dBi) – 4G DIV**

Frequency (MHz)		600	630	710	830	900	960	1440	1710	1740	1880
Peak Gain (dBi)	FS	-	-	-1.6	-3.7	-0.7	-3.5	-	1.0	1.3	1.6
	MP	-	-	-2.8	-2.4	0.0	-5.6	-	-1.5	-1.4	2.6
Frequency (MHz)		1950	2140	2350	2450	2600	2690	4700	5000	5500	6000
Peak Gain (dBi)	FS	1.8	2.0	1.0	2.4	3.7	2.5	-	-	-	-
	MP	2.9	2.3	2.0	3.3	4.8	2.9	-	-	-	-



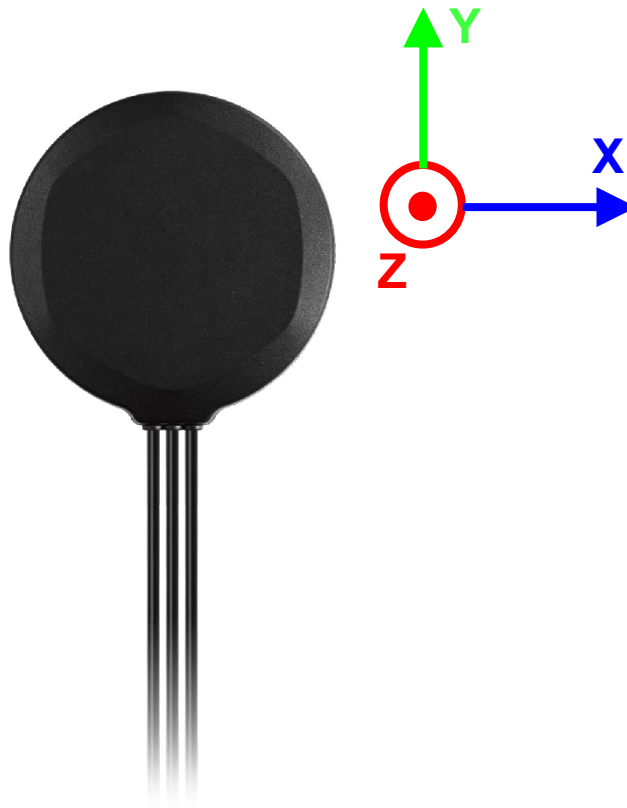
**Peak Gain (dBi) – GNSS**

Frequency (MHz)		1176	1207	1227	1248	1268	1561	1575	1602
Peak Gain (dBi)	FS	-	-	-	-	-	0.1	2.5	1.6
	MP	-	-	-	-	-	2.3	2.7	4.4

### 3.2.4. 3D & 2D Radiation Pattern

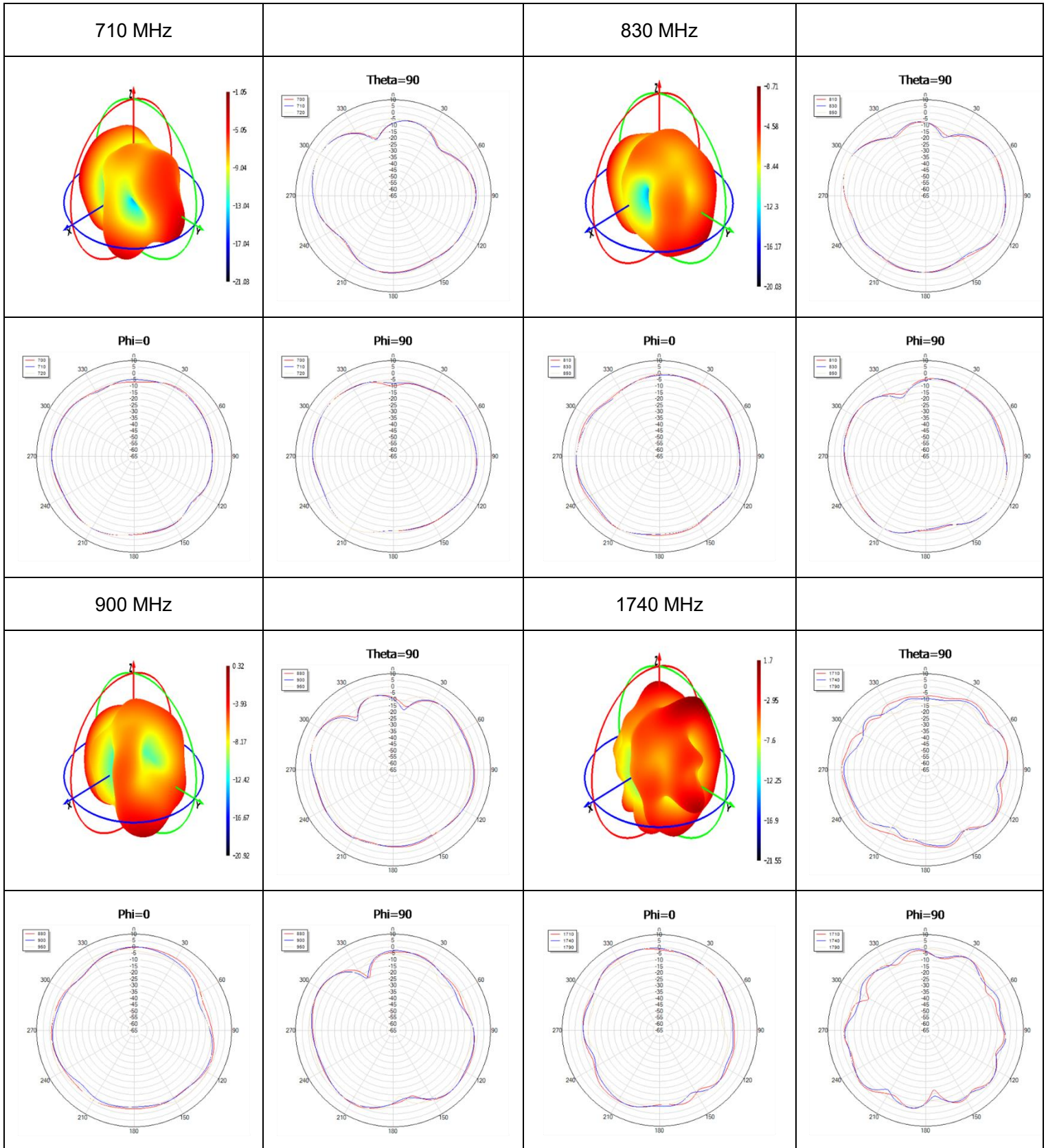
#### 3.2.4.1. Test Condition: In Free Space

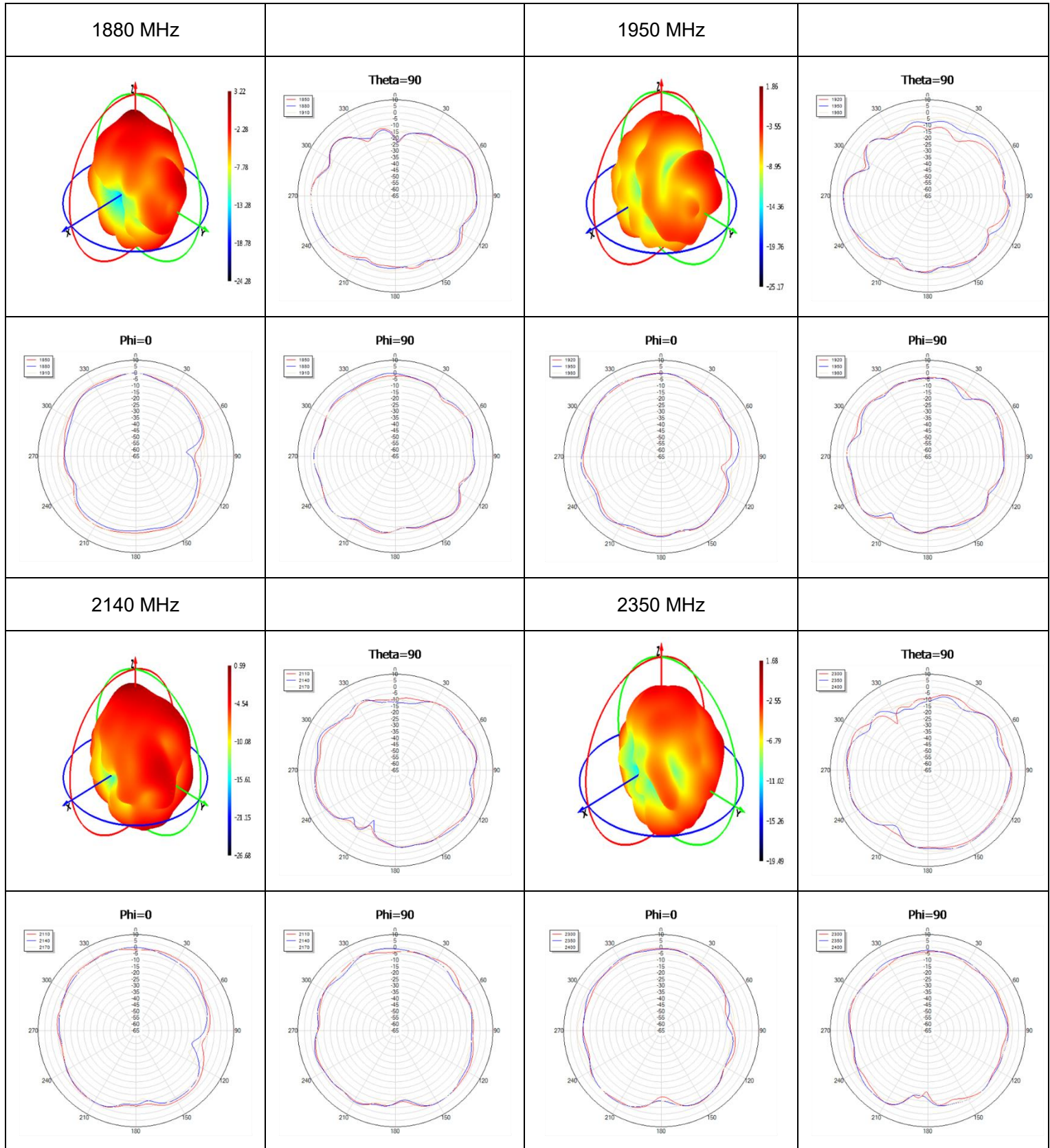
- Test Chamber: HF-S-1

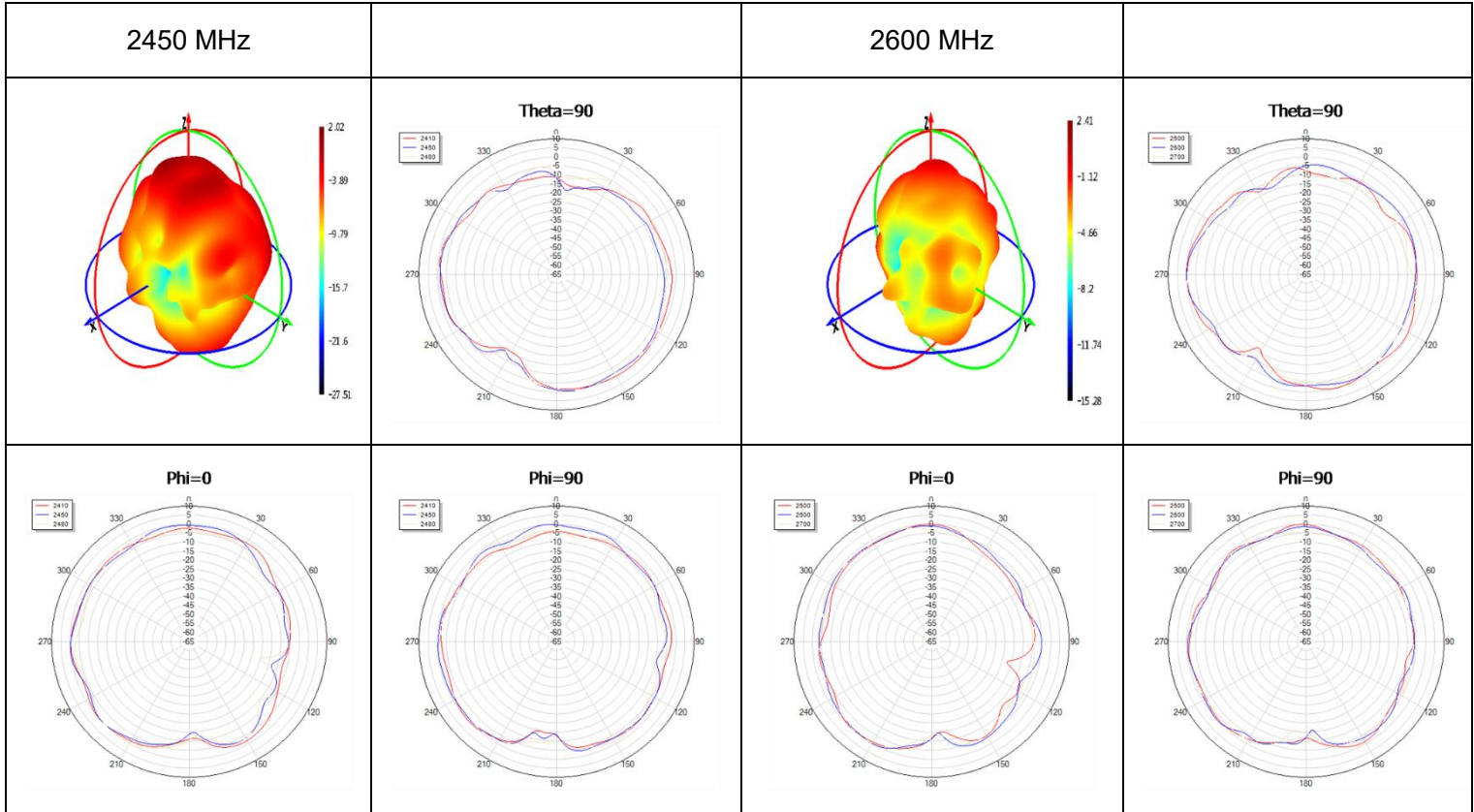




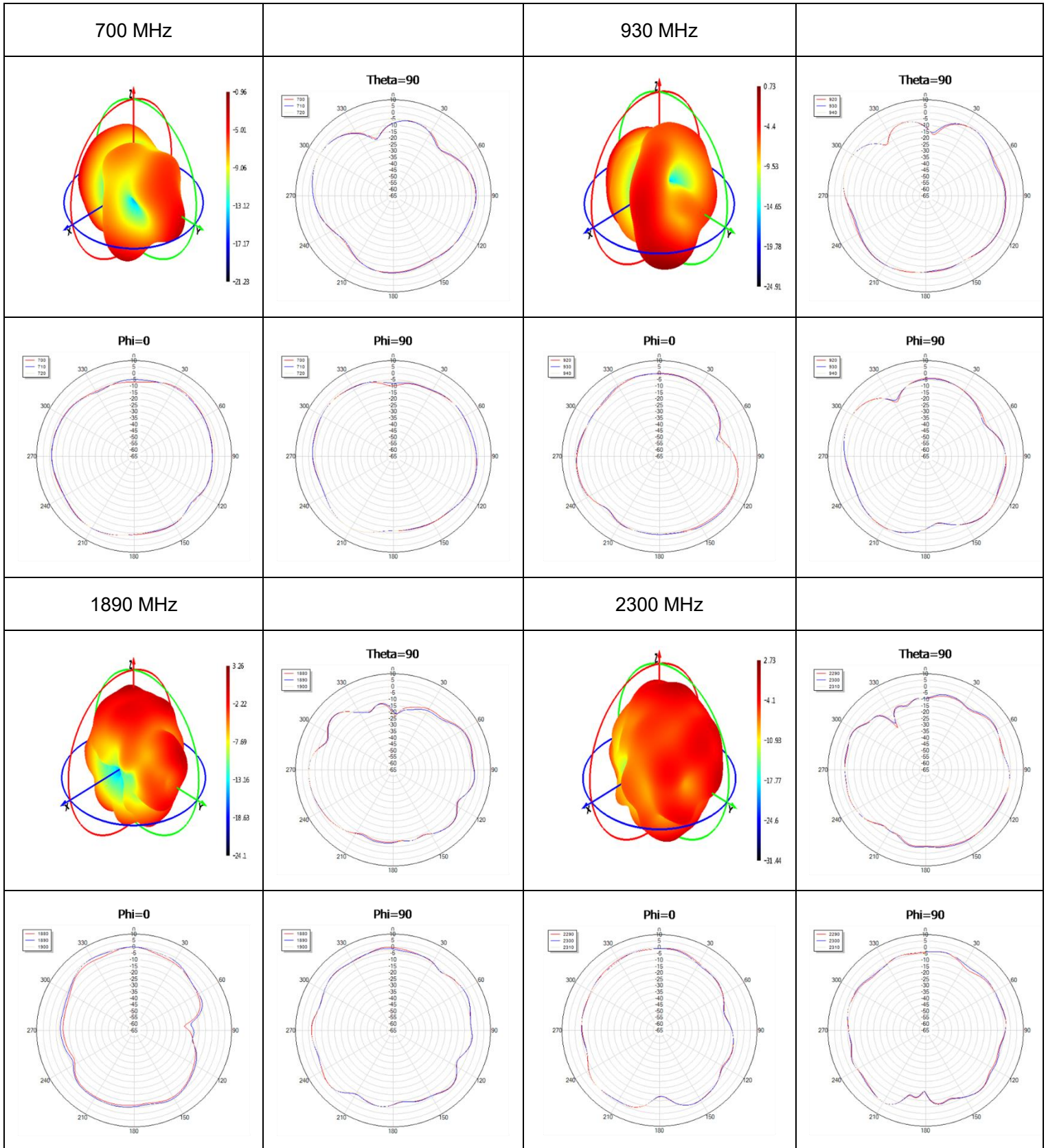
● 4G

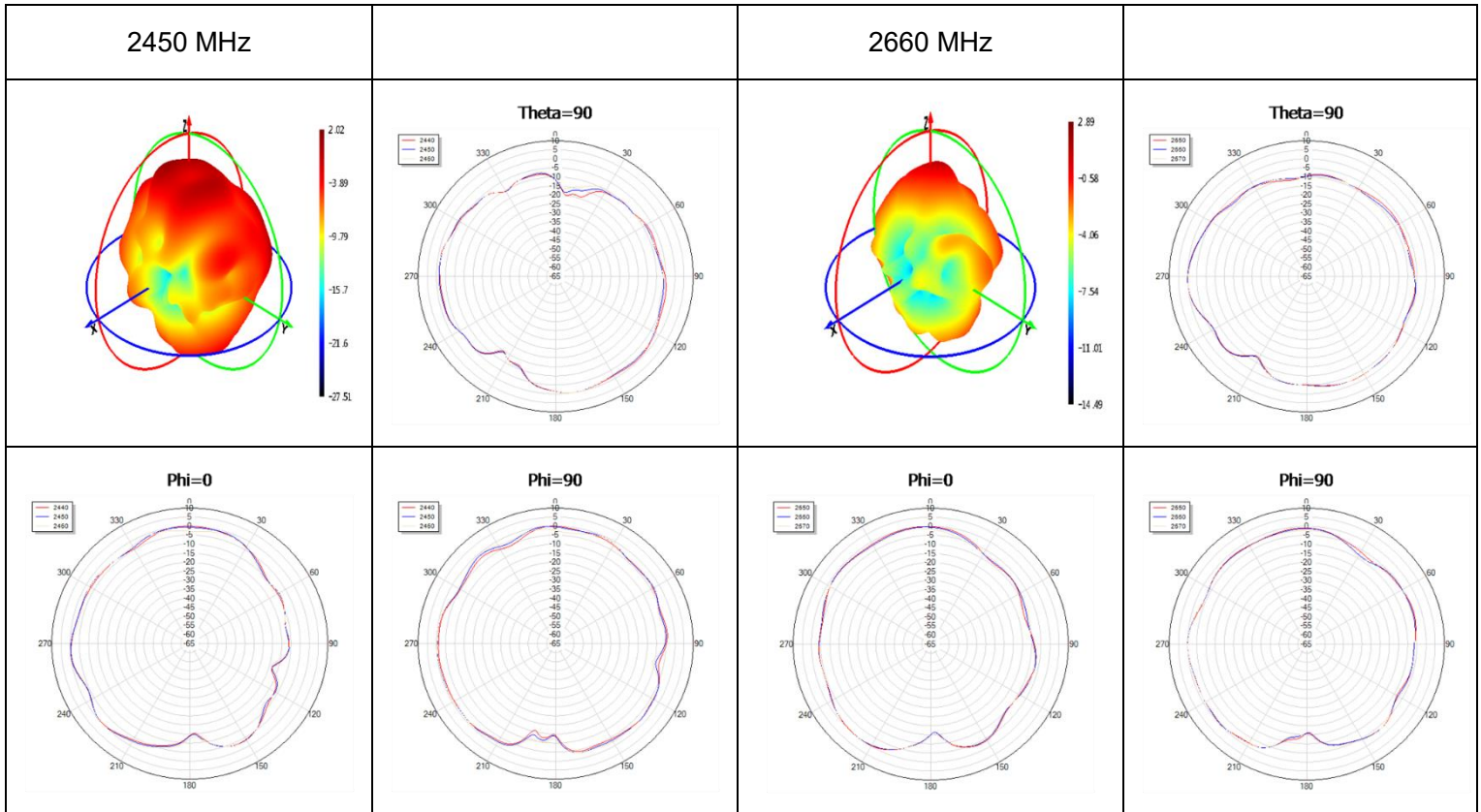




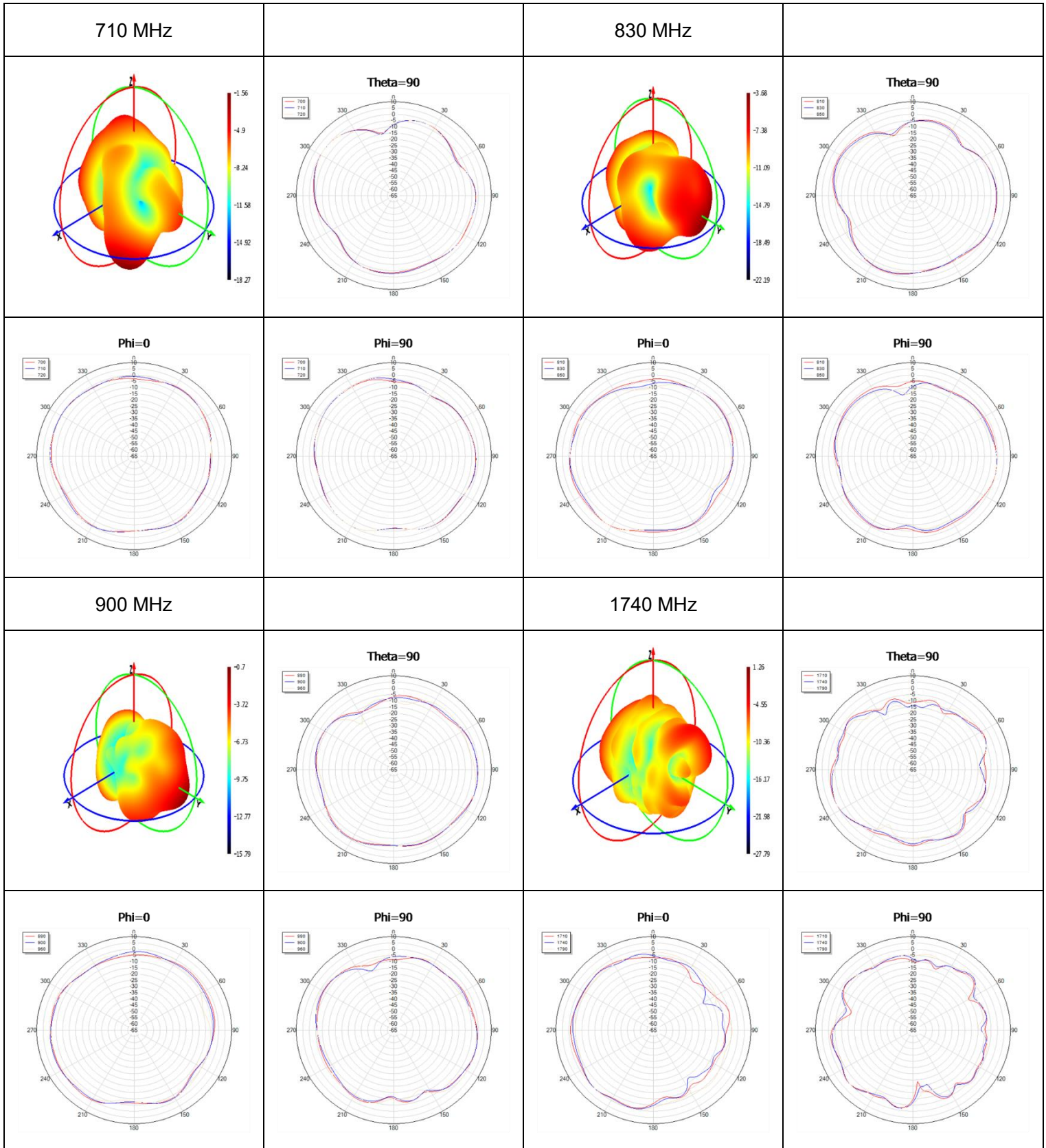


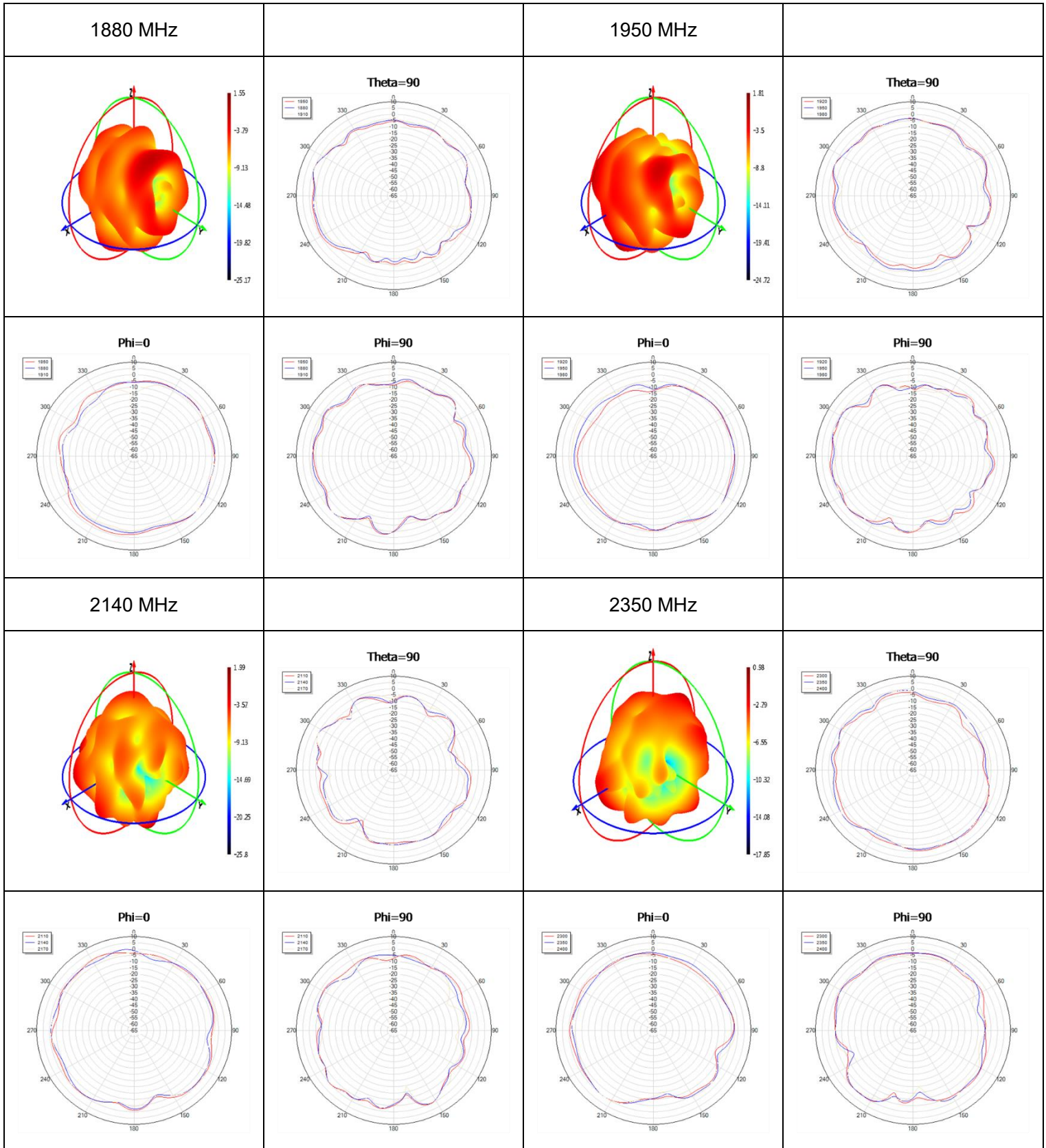
● **4G-Peak Gain**

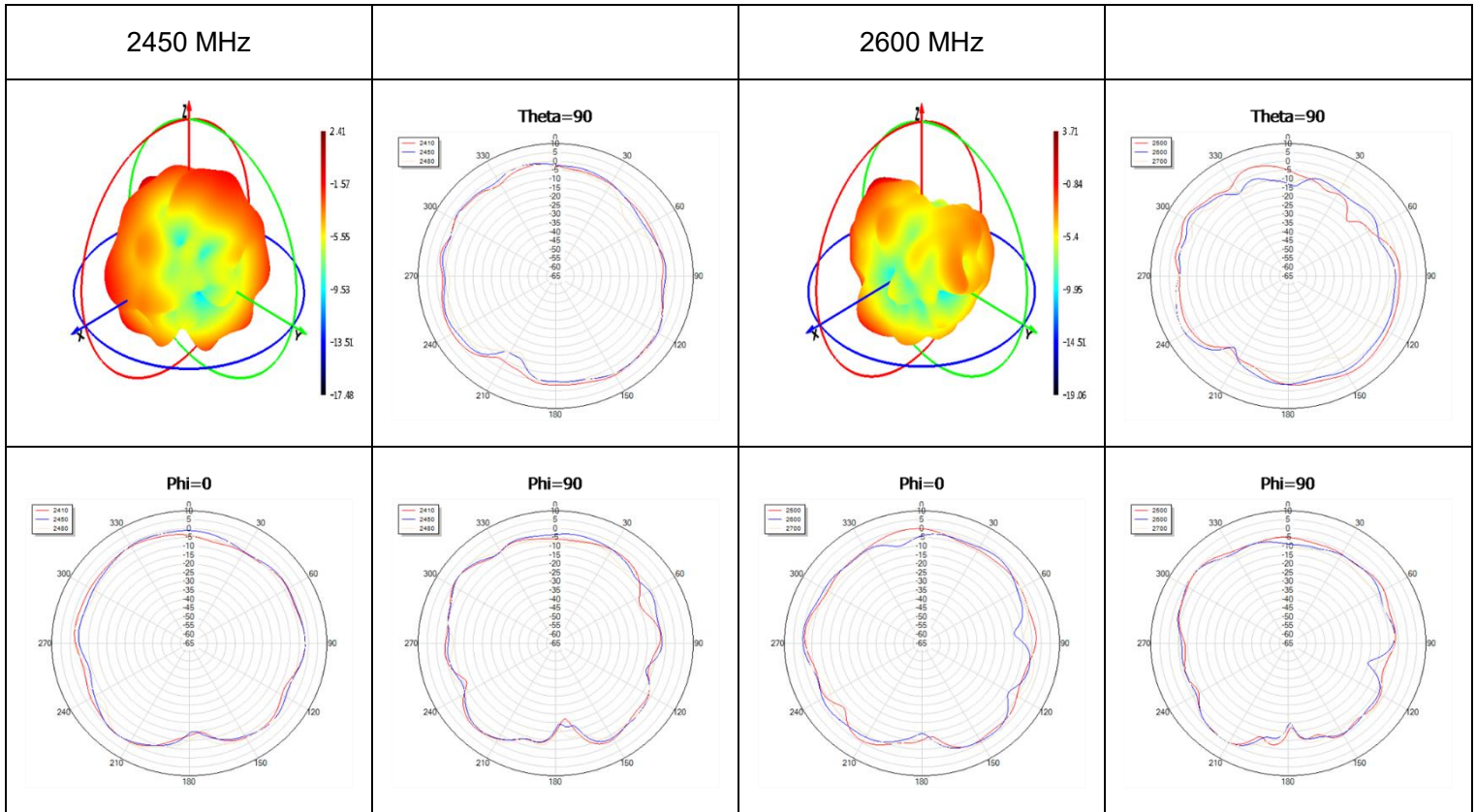




● **4G DIV**

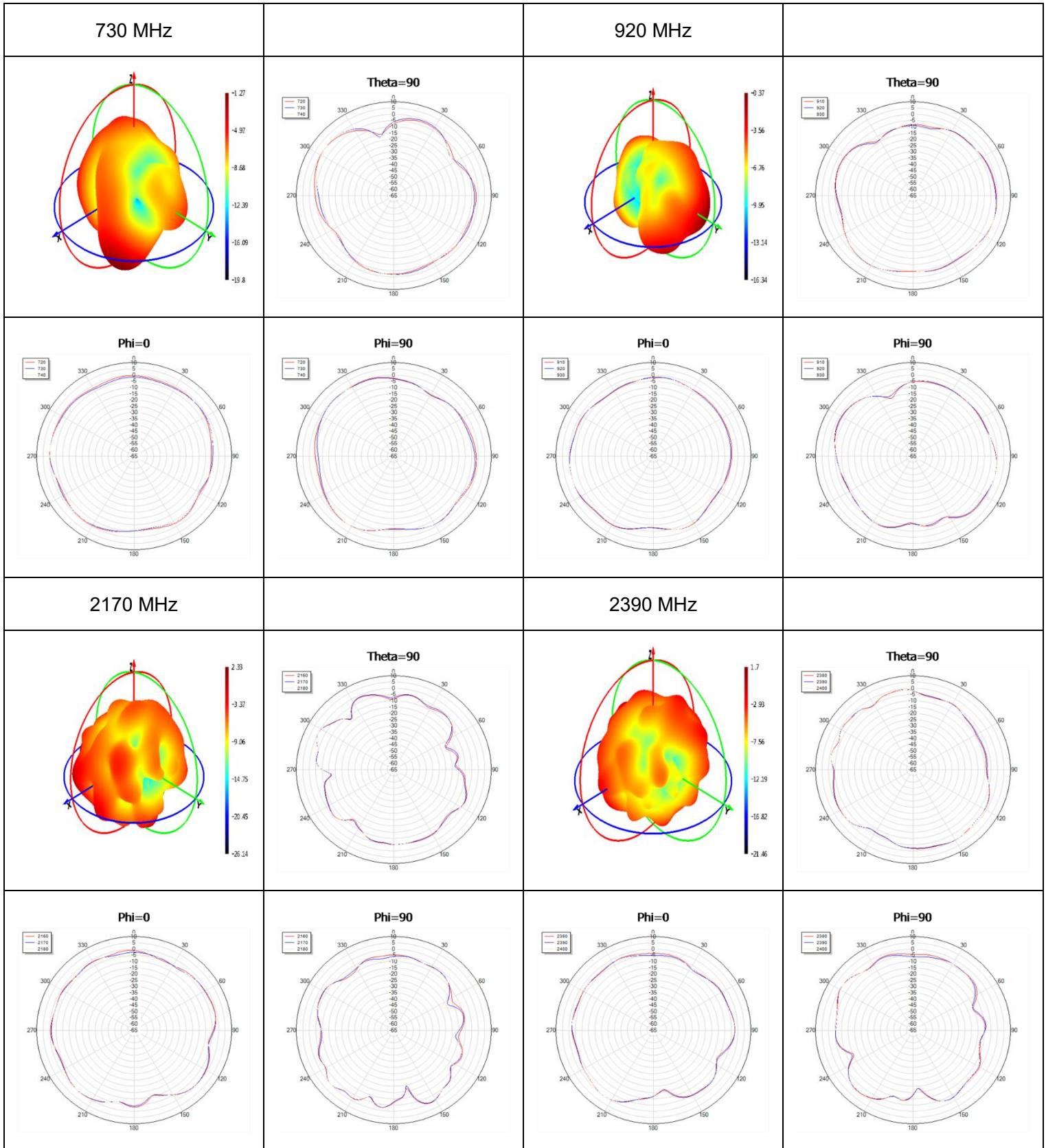


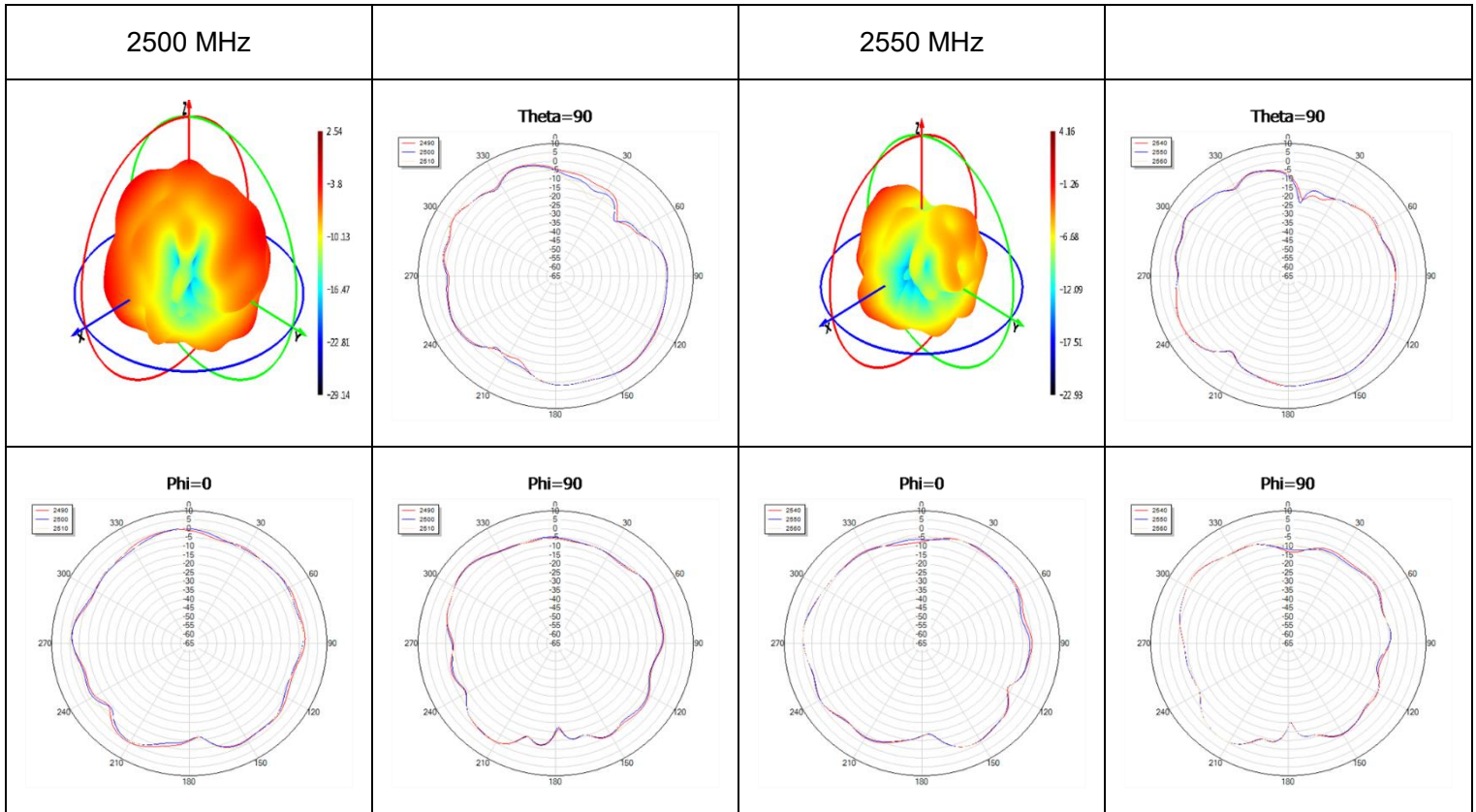






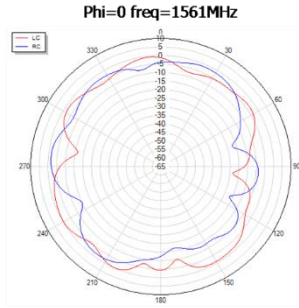
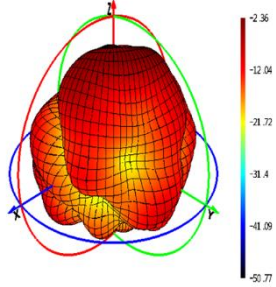
● **4G DIV-Peak Gain**



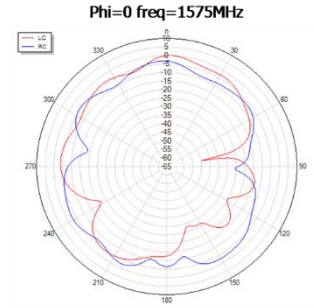
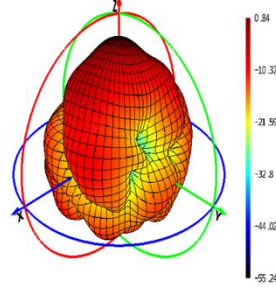


● GNSS

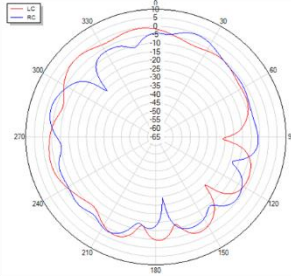
1561 MHz



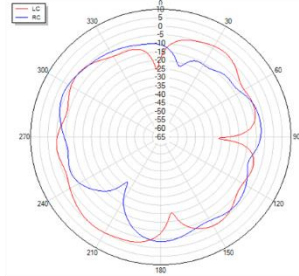
1575 MHz



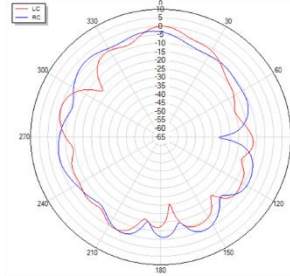
Phi=90 freq=1561MHz



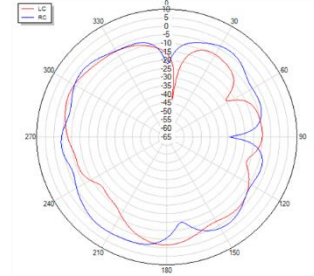
Theta=90 freq=1561MHz



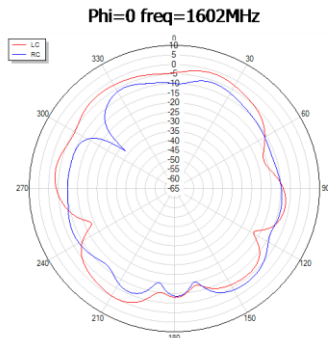
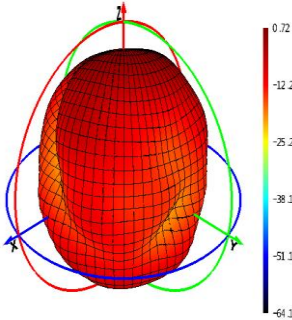
Phi=90 freq=1575MHz



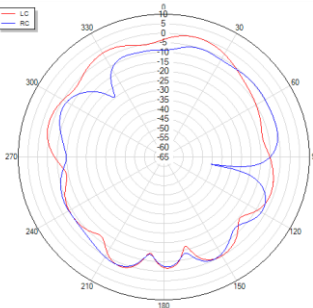
Theta=90 freq=1575MHz



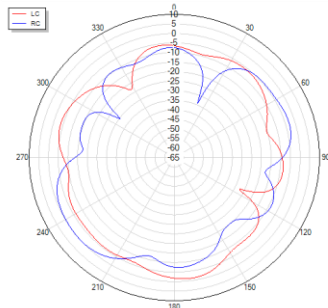
1602 MHz



Phi=90 freq=1602MHz

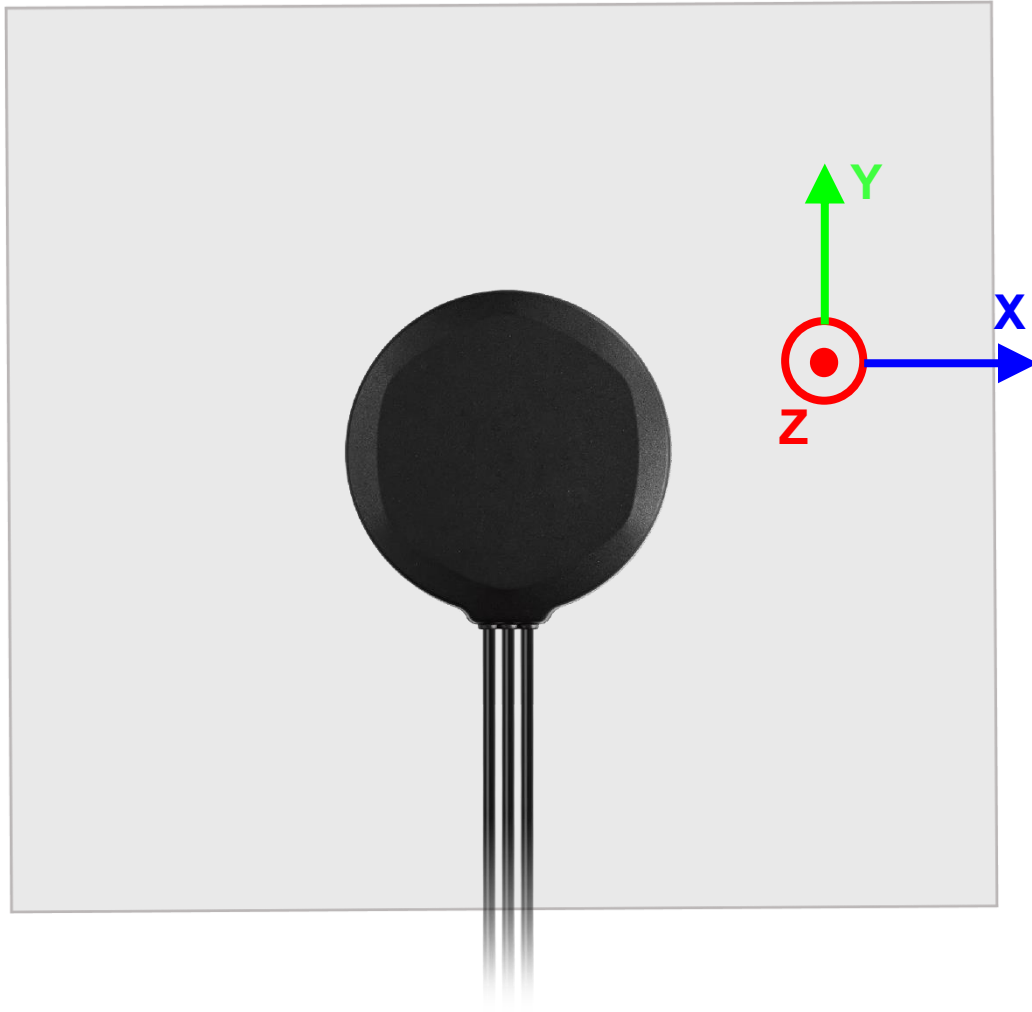


Theta=90 freq=1602MHz



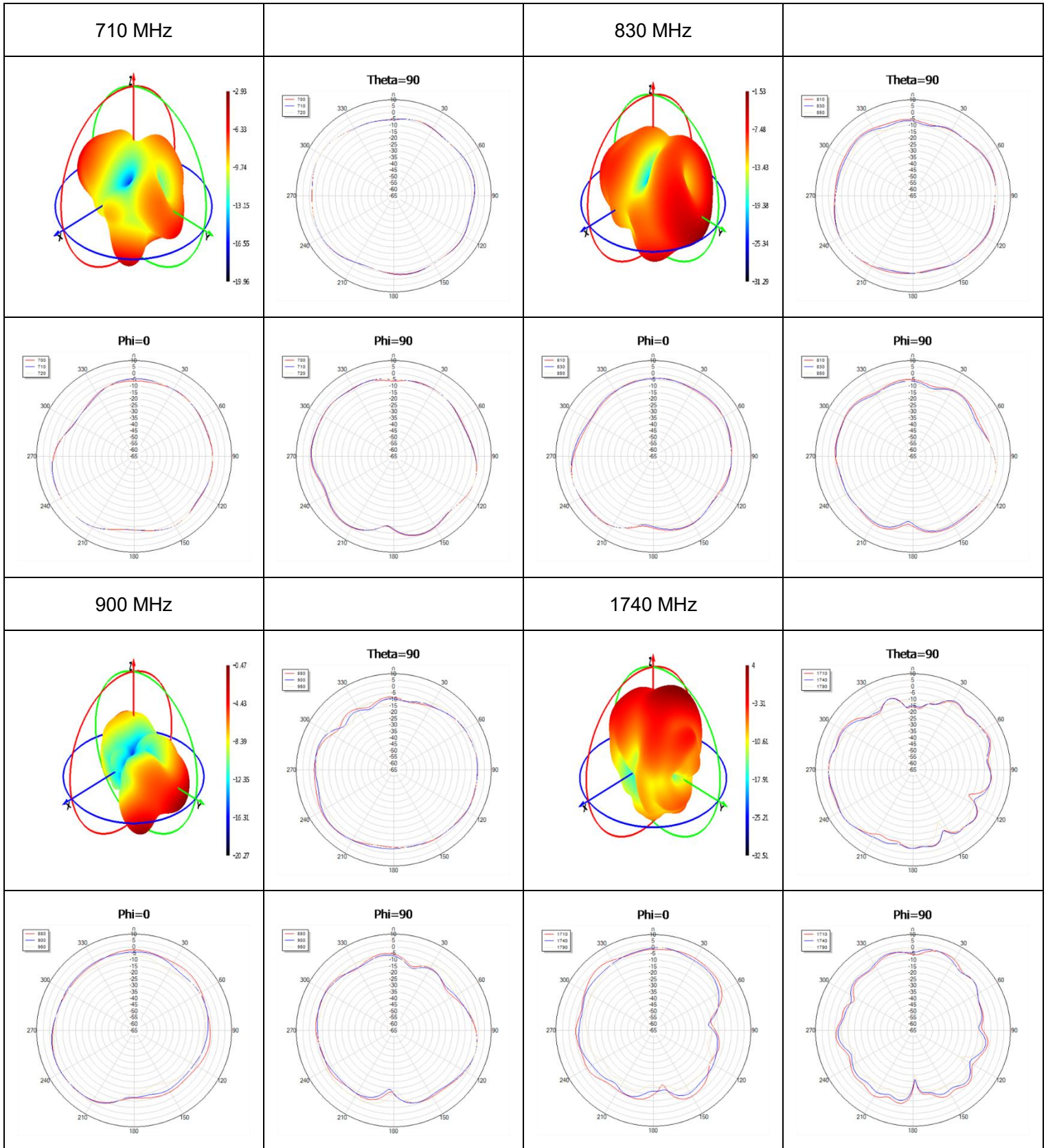
**3.2.4.2. Test Condition: On 300 mm × 300 mm Metal Plane**

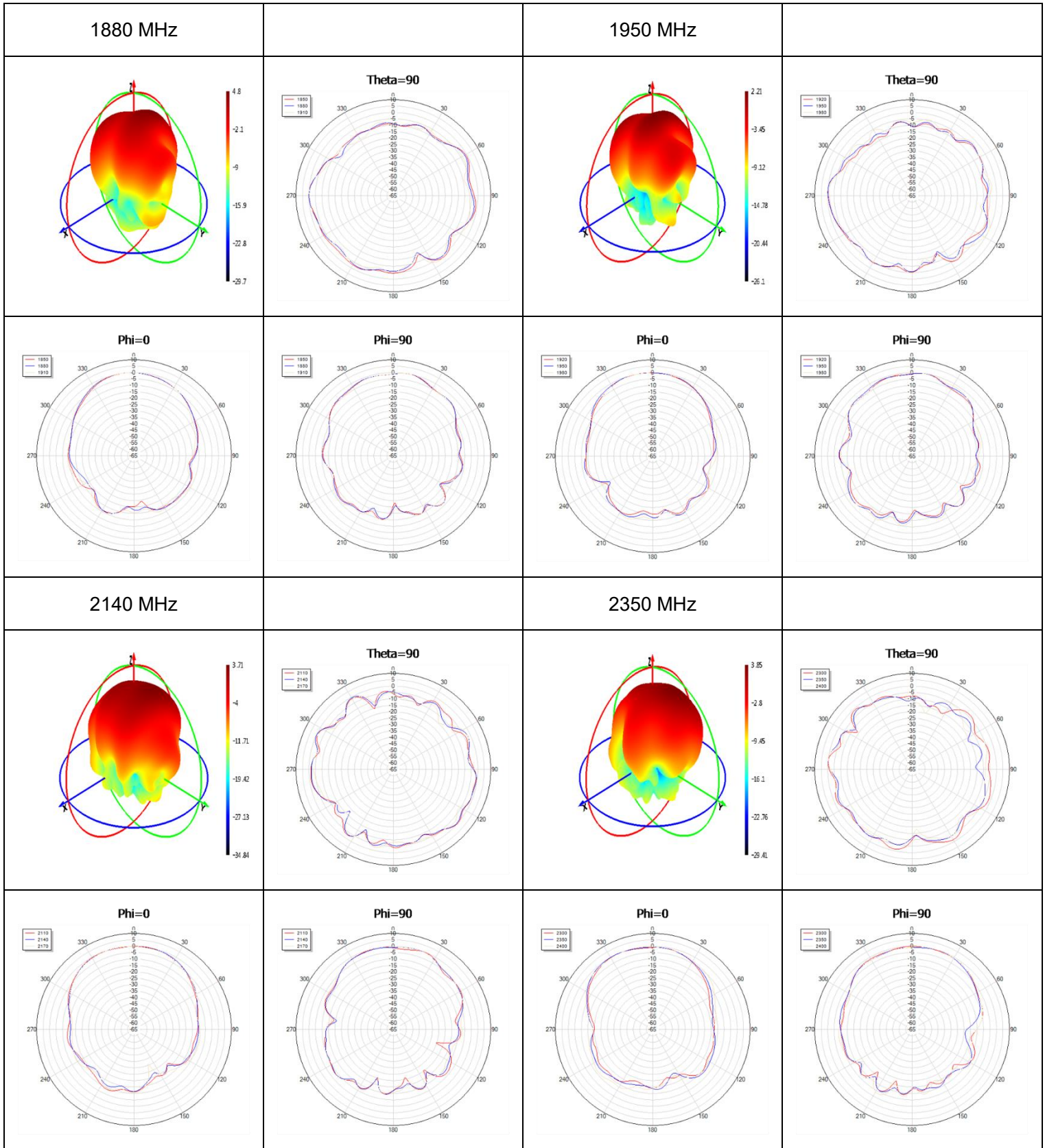
- Test Chamber: HF-S-1

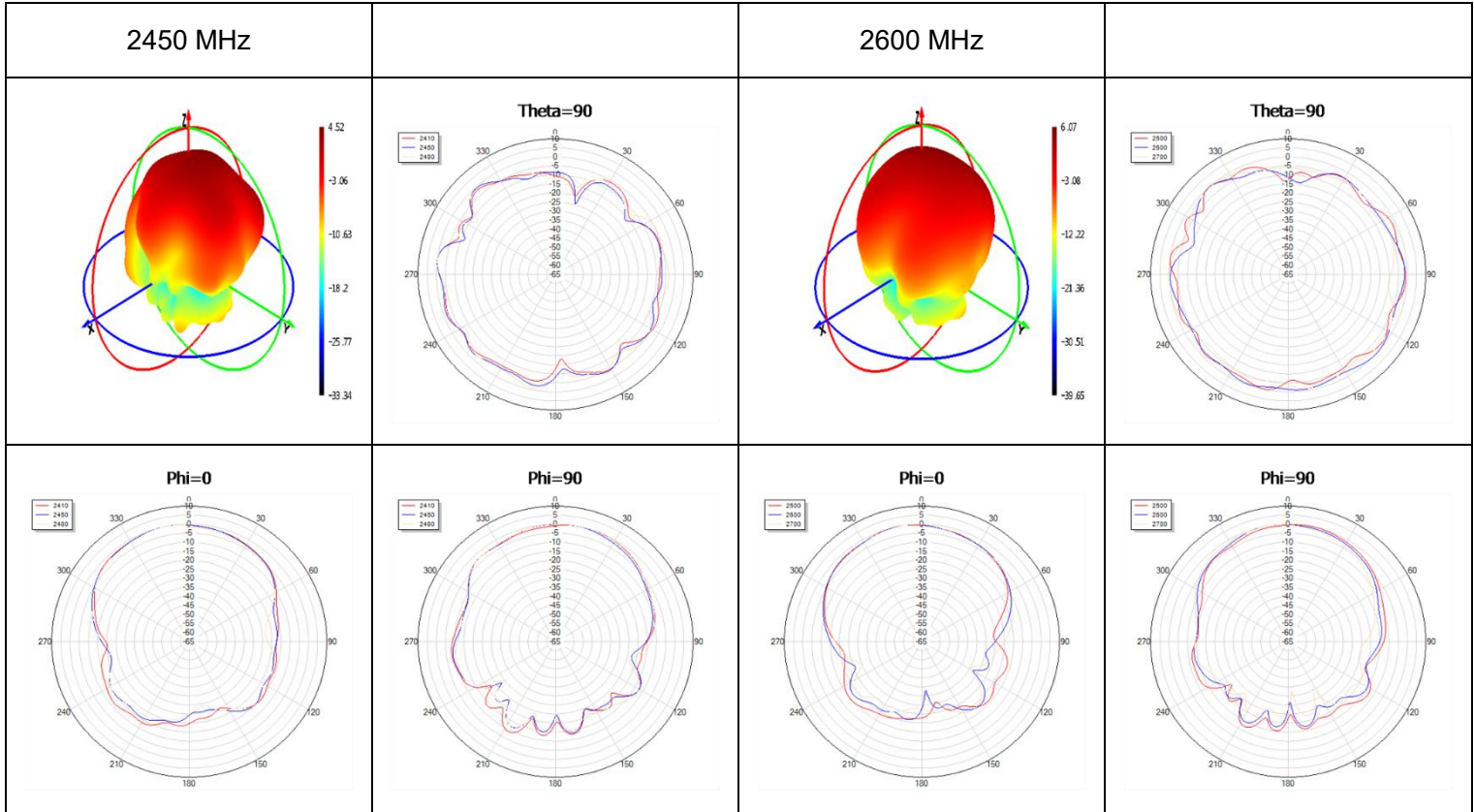


**Metal Plane**

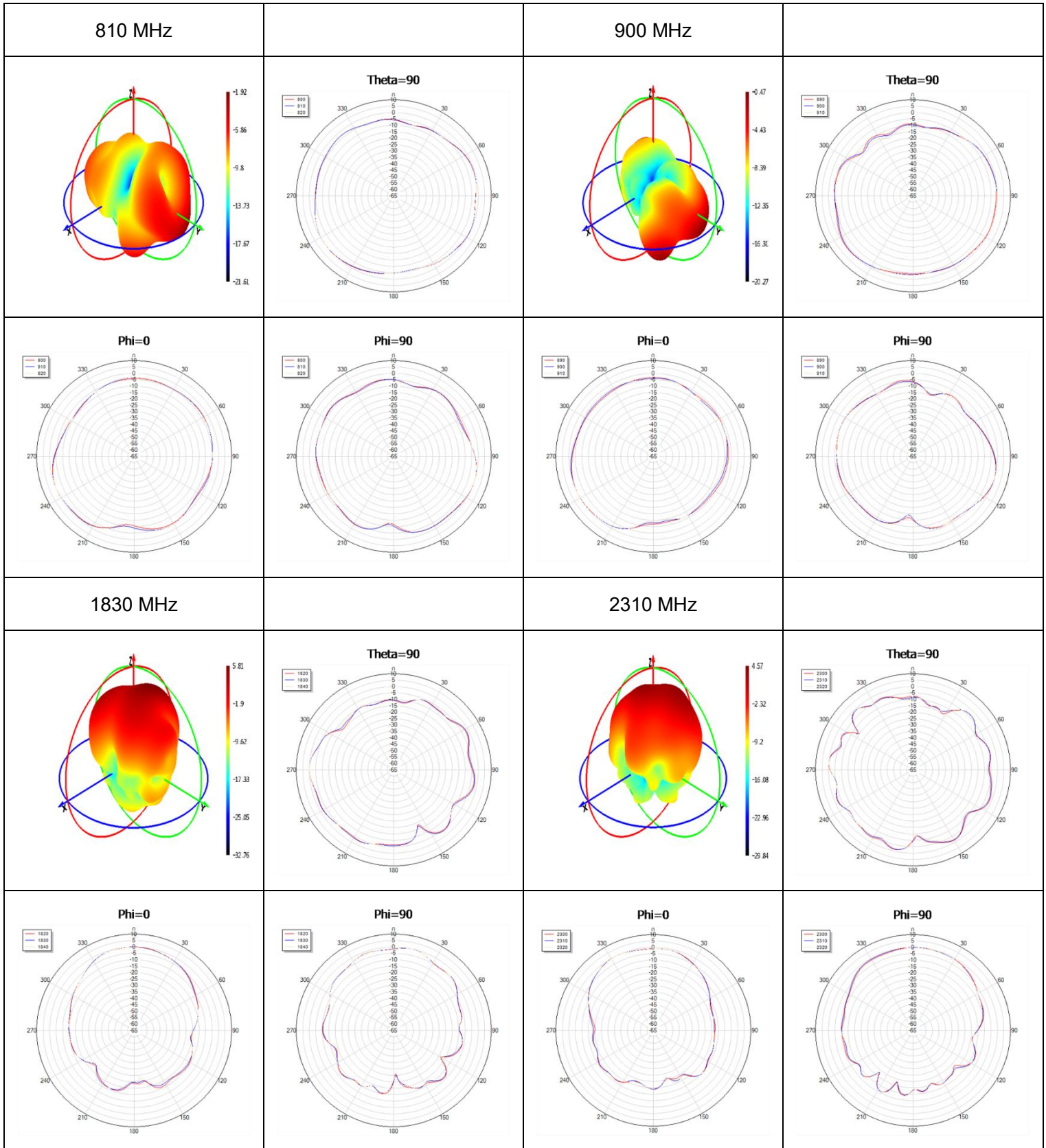
● 4G



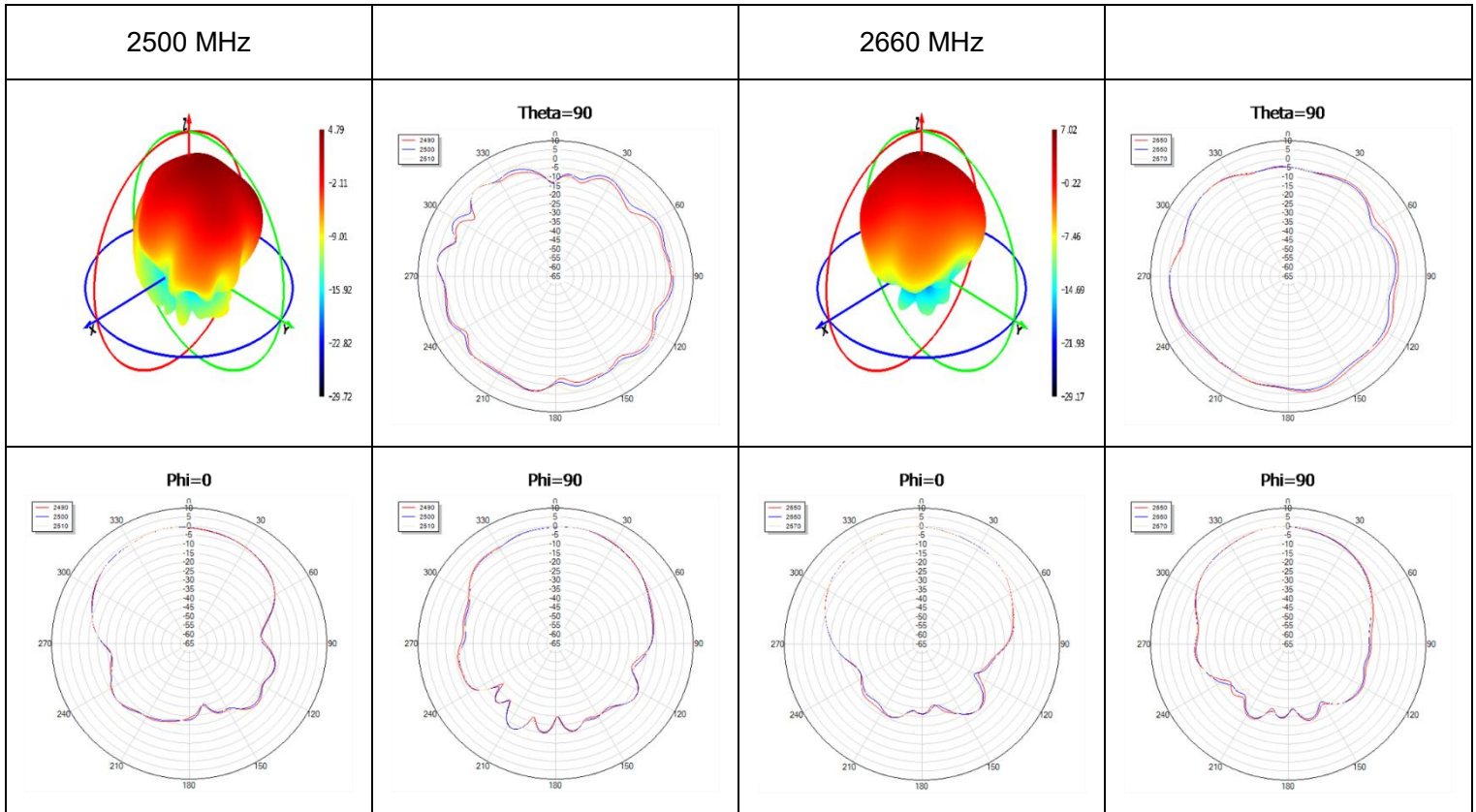




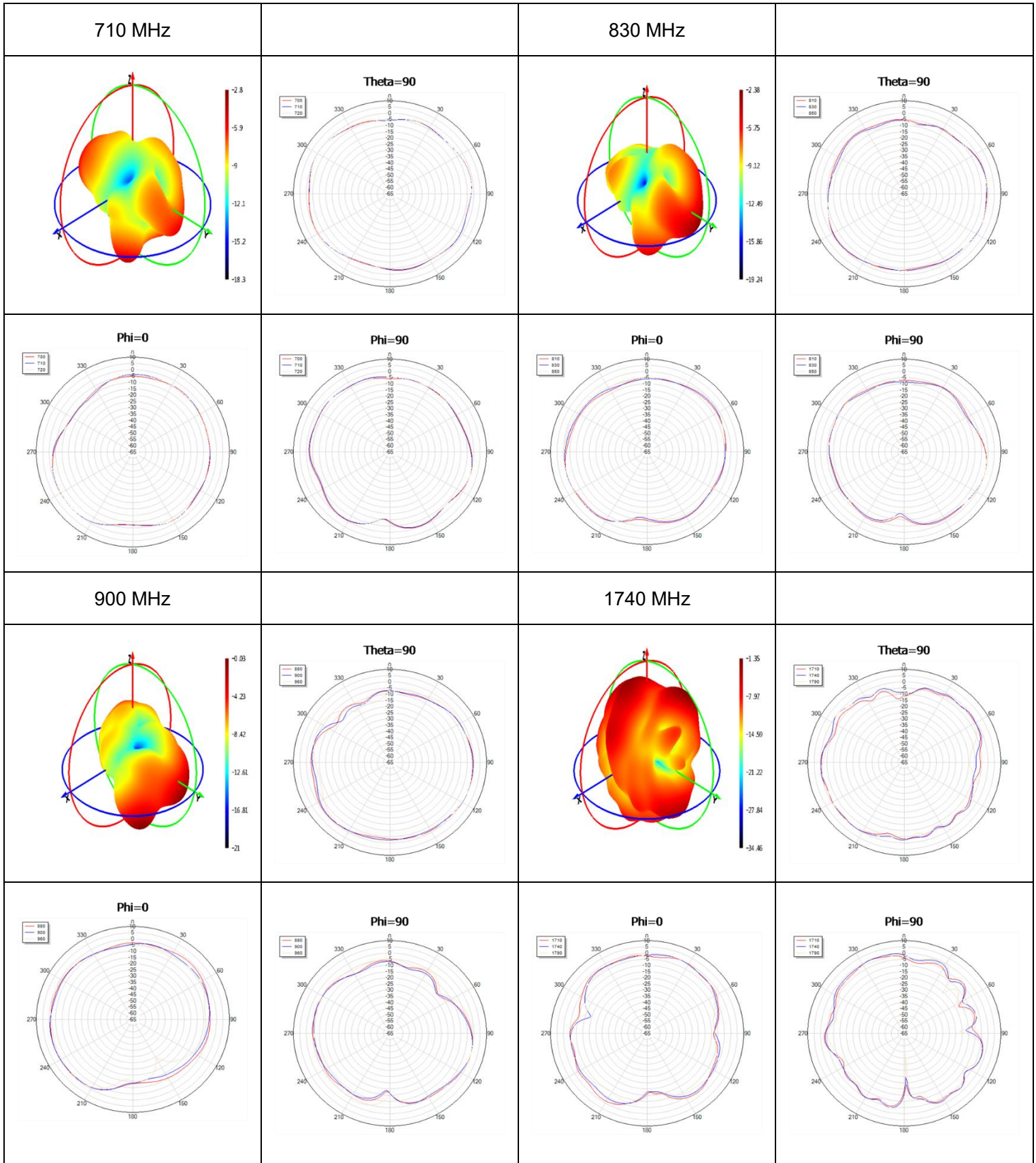
● **4G-Peak Gain**

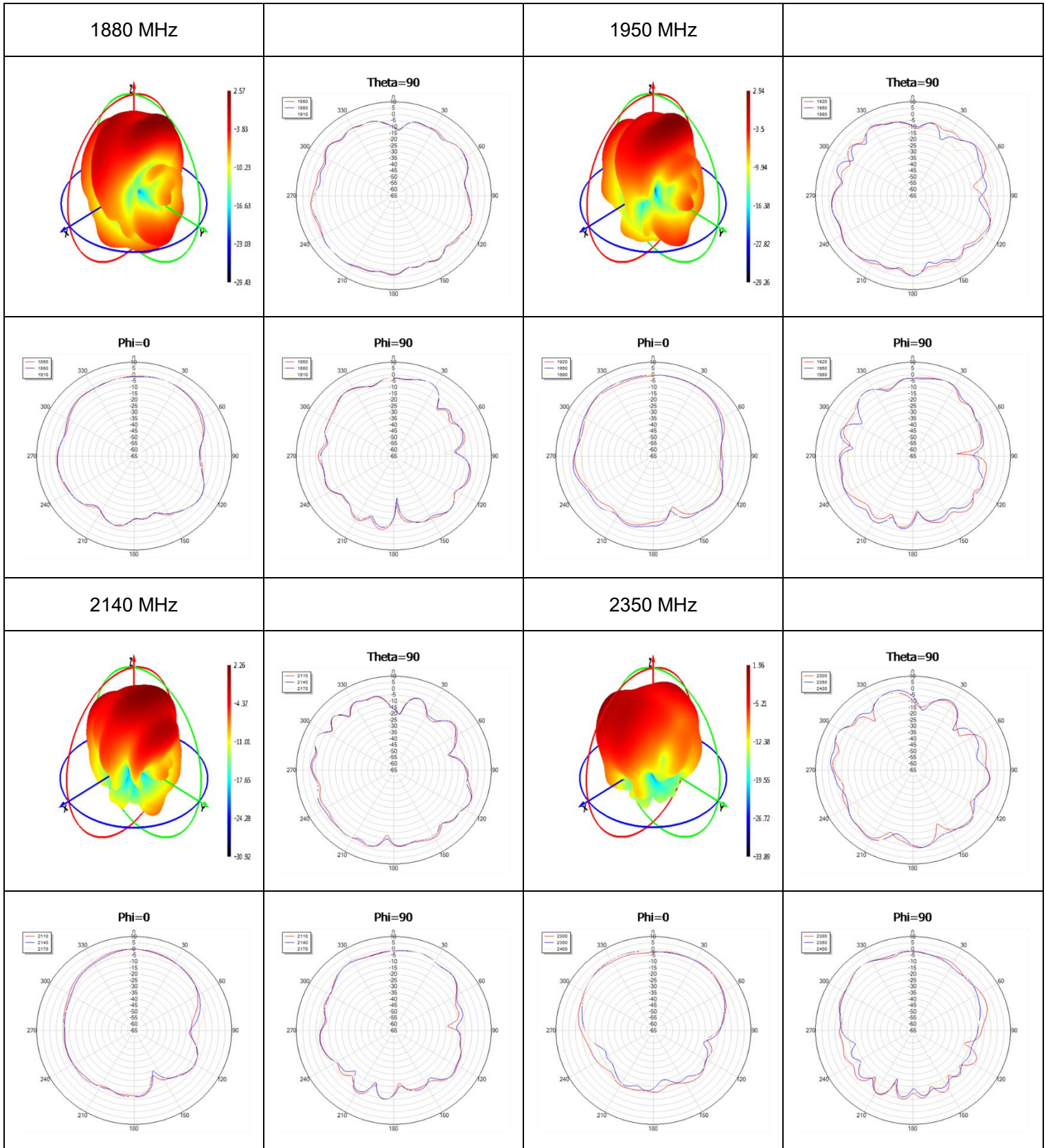


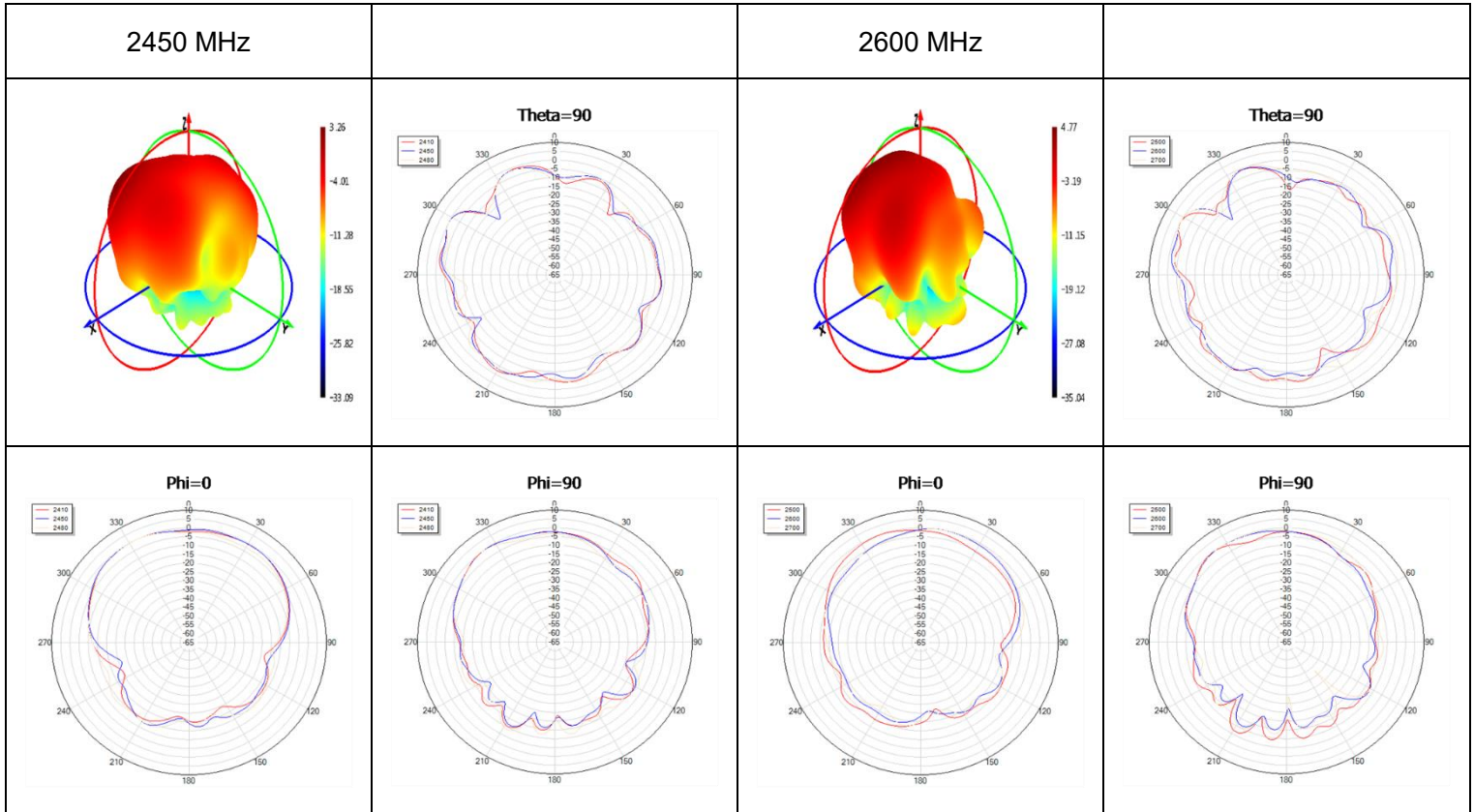




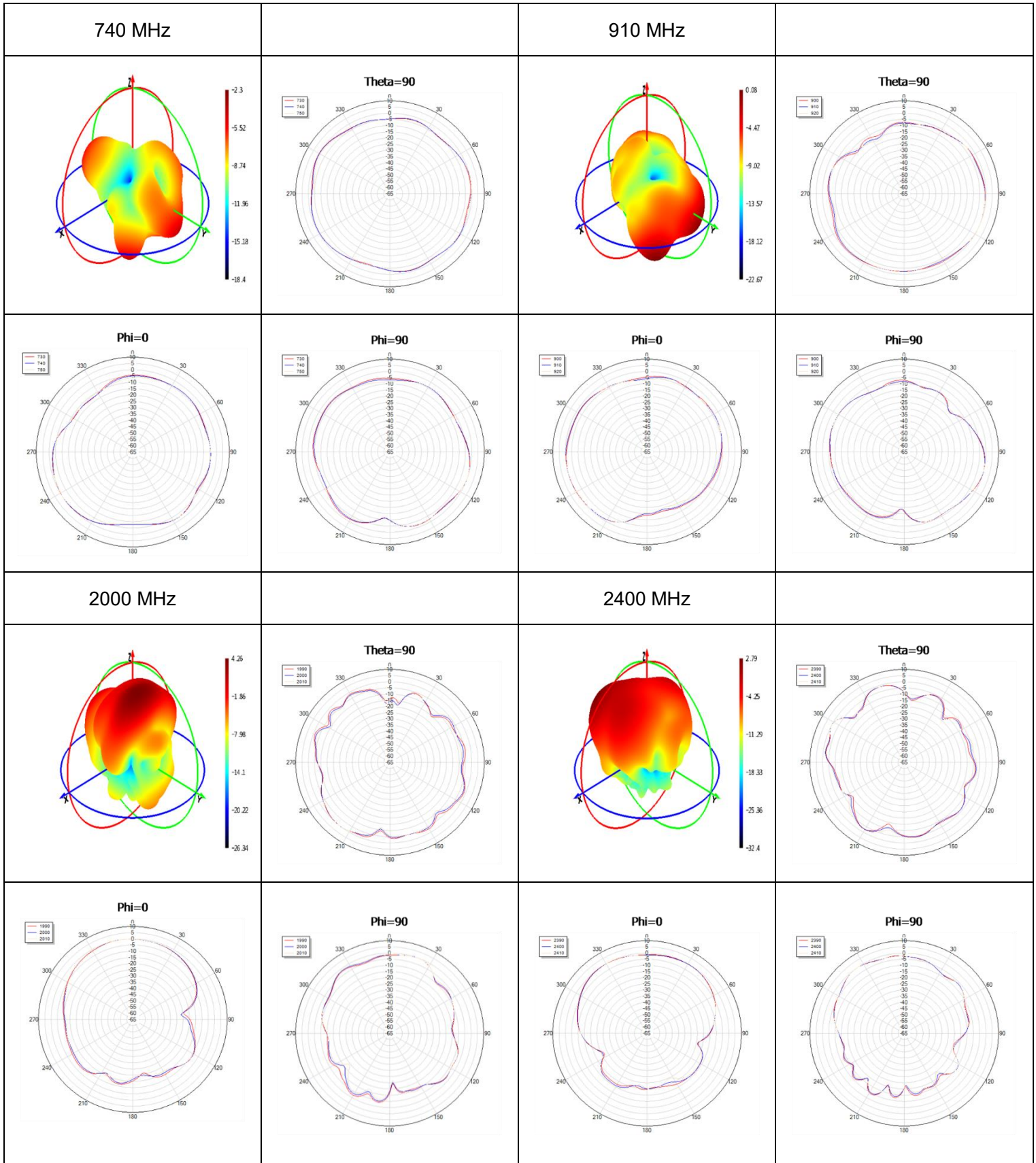
● **4G DIV**

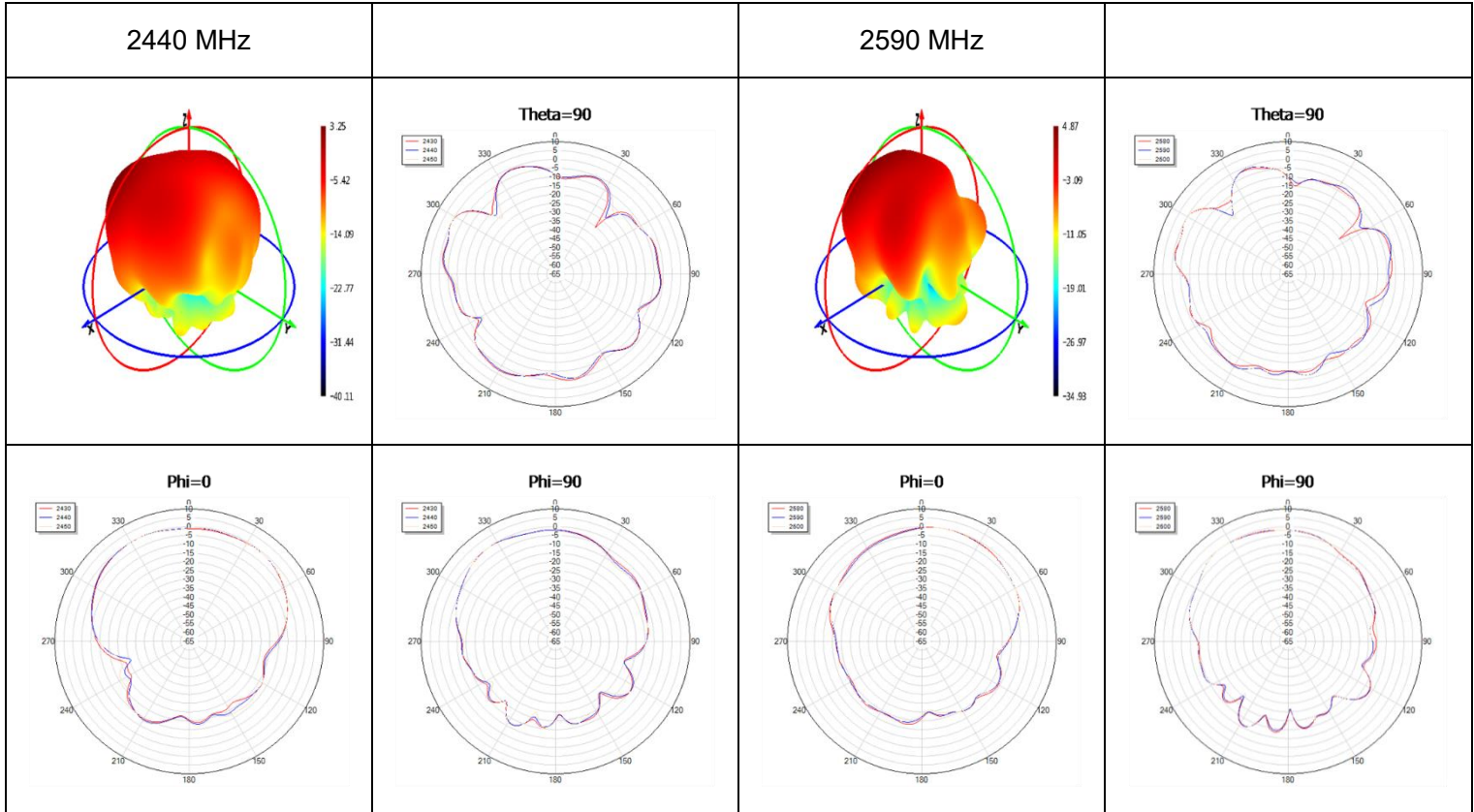




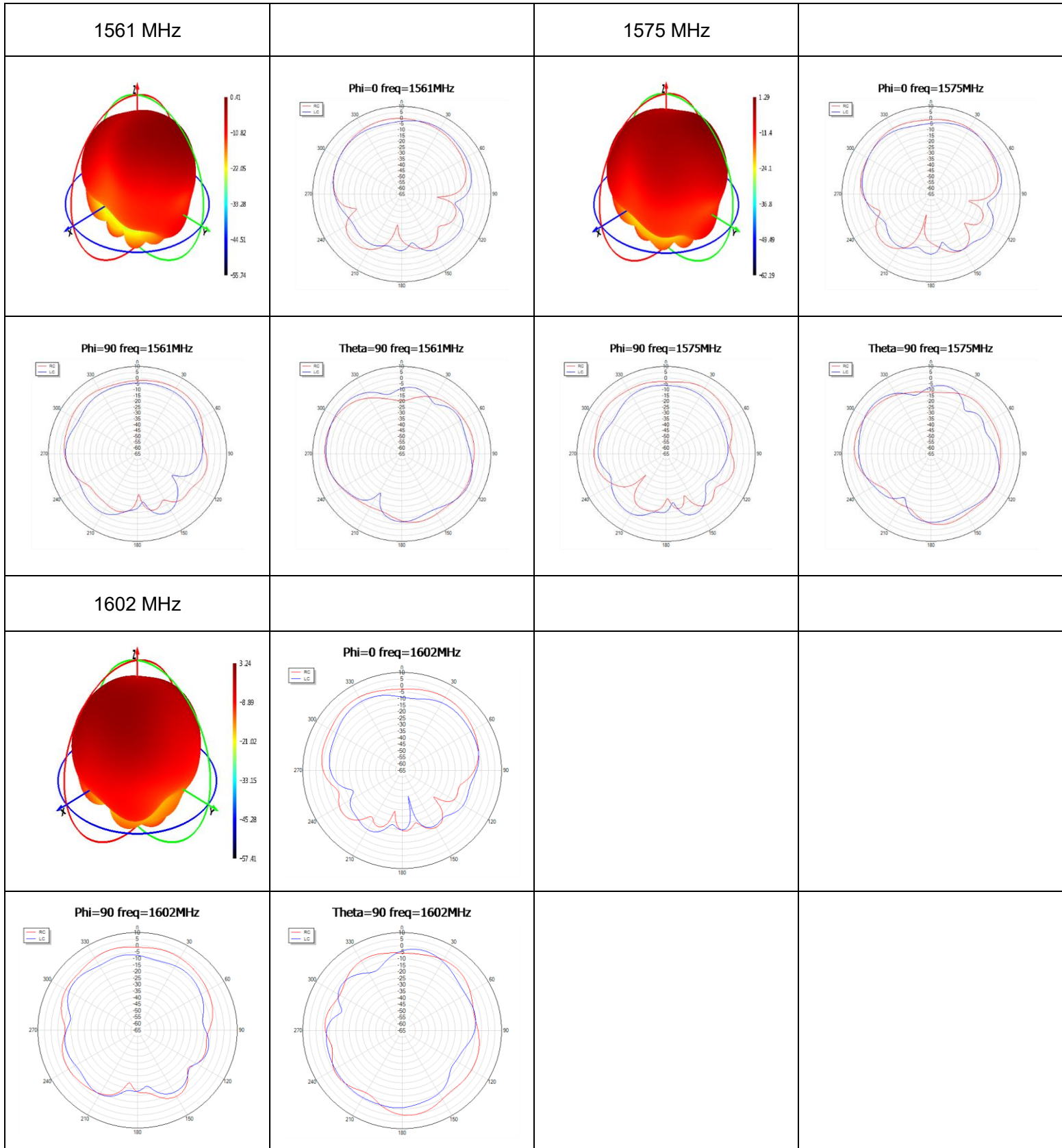


● **4G DIV-Peak Gain**

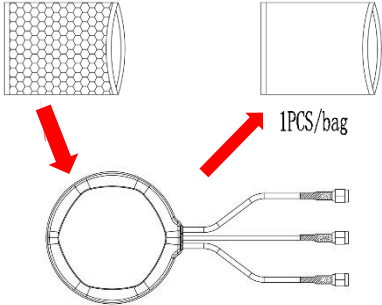
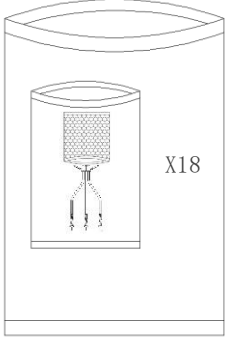
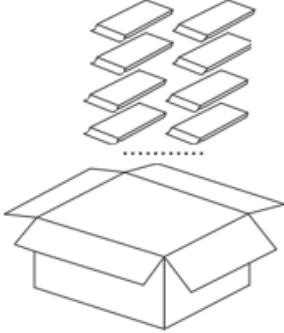




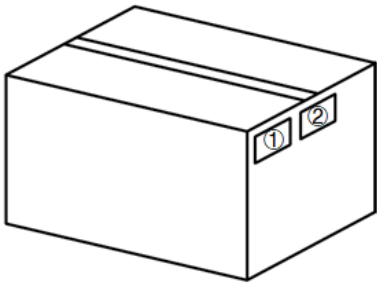
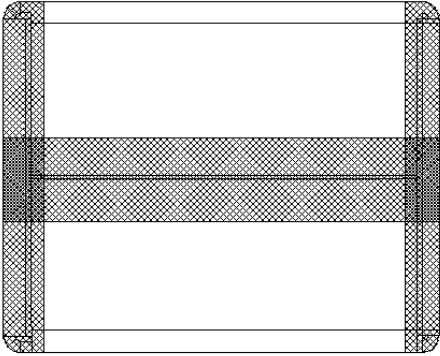
● **GNSS**



# 4 Packaging

Step	Packaging Picture / 2D Picture	Description
1		<p>1 antenna product head is wrapped with bubble bag. (1 Antenna / Bubble Bag) Whole antenna product in a PE bag. (1 Antenna / PE Bag)</p>
2		<p>18 antenna products in a PE bag. (18 Antennas / PE Bag)</p>
3		<p>(8 PE Bags / Carton Box) (144 Antennas / Carton Box) Estimated quantity Products that cannot fill the entire carton box are packed in a suitable size carton box. <u>Carton Size:</u> <u>L × W × H = 470 × 430 × 310 mm</u></p>



4	 A 3D perspective drawing of a rectangular carton. On the front face, there are two small rectangular labels. The left label is marked with a circled '1' and the right label is marked with a circled '2'.	<p><b>Position for Attaching Labels</b></p> <ul style="list-style-type: none"><li>① Carton Label</li><li>② Quality Label</li></ul>
5	 A 2D perspective drawing of a rectangular carton. The top and bottom edges are shaded with a cross-hatch pattern, representing the H-shaped sealing structure.	<p><b>Sealing Cartons</b> H-shaped sealing cartons</p>
Note	<p>The initial packaging method described above is for reference only, and the final actual packaging method shall be subject to the actual shipping packaging.</p>	

# 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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# Revision History

Version	Date	Author	Note
-	2025-08-04	Morrie Du/ Faber Shen/ Lance Sun/ Strong Qiang/ Rainey Liao	Creation of the document
1.0	2025-08-04	Morrie Du/ Faber Shen/ Lance Sun/ Strong Qiang/ Rainey Liao	First official release

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