



Antenna Datasheet

Product OC: YB0014AA

Version: 4.4

Date: 2025-12-22

Status: Released

Product Name: 4G & GNSS L1 3in1 screw mount Combo
External Antenna

Key Features:

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

GNSS: 1559–1586 MHz

Dimensions: Φ 81 mm × 14.5 mm

Efficiency: Up to 22.5 % (4G FS)

GNSS LNA Gain: 22 ±3 dB

RoHS Compliant

IP66

Overview

YB0014AA is a 4G & GNSS 3in1 combo antenna measuring Φ 81 mm \times 15.5 mm. This ultra-wide-band 4G & GNSS antenna provides broad coverage from 1559–1585 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 screw mount omni-directional antenna. It is easy to install with maximum durability assured and suitable for use in harsh outdoor environments thanks to its IP66 rated enclosure. It is compatible with Quectel 's RM520x Series modules.

YB0014AA has 2 \times 4G LMH antenna and 1 \times GNSS L1 antenna. It allows high efficiency, stable signal transmission and reception for active GNSS from 1559–1586 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: 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
	GNSS	1559–1586 MHz
Radiation Pattern	4G	Omni-directional
	4G DIV	Omni-directional
	GNSS	Directional
Polarization	4G	Linear
	4G DIV	Linear
	GNSS	RHCP
Impedance		50 Ω
Isolation	FS	≤ -17.5 dB
	MP	≤ -14.4 dB

1.1.1. 4G

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	-	1.9	2.5	-	1.9	1.6	1.8	1.7	-	-	-
	MP	-	2.3	2.8	-	2.2	1.8	2.0	2.0	-	-	-
Max Return Loss (dB)	FS	-	-10.1	-7.4	-	-10.0	-12.7	-10.9	-11.8	-	-	-
	MP	-	-8.1	-6.6	-	-8.6	-10.9	-9.6	-9.4	-	-	-
AVG Eff. (%)	FS	-	19.7	16.0	-	14.5	12.2	13.3	13.2	-	-	-
	MP	-	15.1	6.0	-	5.8	5.2	4.6	5.1	-	-	-
AVG. AVG Gain (dB)	FS	-	-7.1	-8.0	-	-8.4	-9.1	-8.8	-8.8	-	-	-
	MP	-	-8.3	-12.8	-	-12.4	-12.9	-13.4	-13.0	-	-	-
Max Peak Gain (dBi)	FS	-	-2.3	-2.3	-	-2.5	-4.5	-3.9	-1.9	-	-	-
	MP	-	-2.9	-4.3	-	-3.9	-6.9	-6.3	-4.3	-	-	-
VSWR	FS	≤ 2.5										
	MP	≤ 2.8										
Return Loss	FS	≤ -7.4 dB										
	MP	≤ -6.6 dB										
Peak Gain	FS	≤ -1.9 dBi										
	MP	≤ -2.9 dBi										

1.1.2. 4G DIV

SPEC	Band	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	-	2.4	2.4	-	2.0	1.5	1.6	1.6	-	-	-	
	MP	-	2.4	2.1	-	2.5	1.8	2.0	1.9	-	-	-	
Max Return Loss (dB)	FS	-	-7.6	-7.7	-	-9.4	-14.7	-12.6	-12.8	-	-	-	
	MP	-	-7.7	-9.0	-	-7.2	-11.3	-9.4	-10.3	-	-	-	
AVG Eff. (%)	FS	-	6.1	12.3	-	17.6	15.1	14.5	12.5	-	-	-	
	MP	-	9.3	18.2	-	5.2	5.7	5.7	4.5	-	-	-	
AVG. AVG Gain (dB)	FS	-	-12.4	-9.2	-	-12.4	-9.2	-12.4	-9.2	-	-	-	
	MP	-	-10.5	-7.5	-	-10.5	-7.5	-10.5	-7.5	-	-	-	
Max Peak Gain (dBi)	FS	-	-7.6	-2.2	-	-7.6	-8.2	-8.4	-9.0	-	-	-	
	MP	-	-5.4	0.1	-	-12.9	-12.4	-12.5	-13.5	-	-	-	
VSWR	FS	≤ 2.4											
	MP	≤ 2.5											
Return Loss	FS	≤ -7.6 dB											
	MP	≤ -7.2 dB											
Peak Gain	FS	≤ -2.2 dBi											
	MP	≤ 0.1 dBi											

1.1.3. GNSS

SPEC	Band	GPS L5 GALILEO E5a BDS B2a- B2I QZSS L5 IRNSS L5	GALILEO E5b BDS B2b	GPS L2 QZSS L2C	GLONASS G2	BDS B3	BDS B1I	GPS L1 GALILEO E1 BDS B1C QZSS L1	GLONASS G1
	Freq. (MHz)	1176	1207	1227	1248	1268	1561	1575	1602
VSWR	FS	-	-	-	-	-	2.0	1.9	-
	MP	-	-	-	-	-	2.1	1.6	-
Return Loss (dB)	FS	-	-	-	-	-	-9.5	-10.1	-
	MP	-	-	-	-	-	-9.9	-19.6	-
Efficiency (%)	FS	-	-	-	-	-	41.7	39.2	-
	MP	-	-	-	-	-	44.0	36.6	-
AVG Gain (dB)	FS	-	-	-	-	-	-3.8	-4.1	-
	MP	-	-	-	-	-	-3.6	-4.4	-
Peak Gain (dBi)	FS	-	-	-	-	-	1.1	-1.1	-
	MP	-	-	-	-	-	1.75	1.1	-
Axial Ratio (dB) Theta = 0 (deg)	FS	-	-	-	-	-	2.48	9.19	-
	MP	-	-	-	-	-	7.54	14.40	-

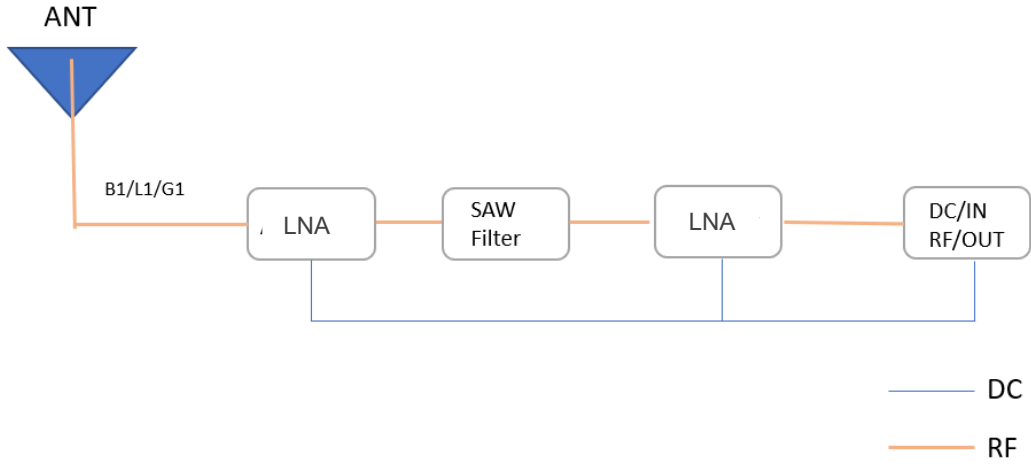
LNA Electrical	
LNA Gain	22 ±3 dB
Noise Figure	≤ 1.5 dB
Output VSWR	< 2.0
Input VSWR	< 2.0
Filter Out-of-Band Attenuation	52 dB f0 ±100 MHz f0 (1559–1586 MHz)
Working Voltage	2.7 V–3.3 V
Working Current	10 ±2 mA @ 3 V
Impedance	50 Ω

- FS: In Free Space
- MP: On 300 mm × 400 mm Metal Plane

1.2. Mechanical & Environmental

Mechanical		
Antenna Dimensions		Φ 81 mm × 14.5 mm
Casing Material & Color		ABS + PC
Cable Type & Color & Length	4G	RG174 & Black & 3000 mm
	4G DIV	RG174 & Black & 3000 mm
	GNSS	RG174 & Black & 3000 mm
Connector Type		SMA Male
Mounting Type		Screw
Weight		Typ. 156 g
Environmental		
Operation Temperature		-40 °C to +85 °C
Storage Temperature		-40 °C to +85 °C
Ingress Protection (IP) Rating		IP66
RoHS Compliant		Yes

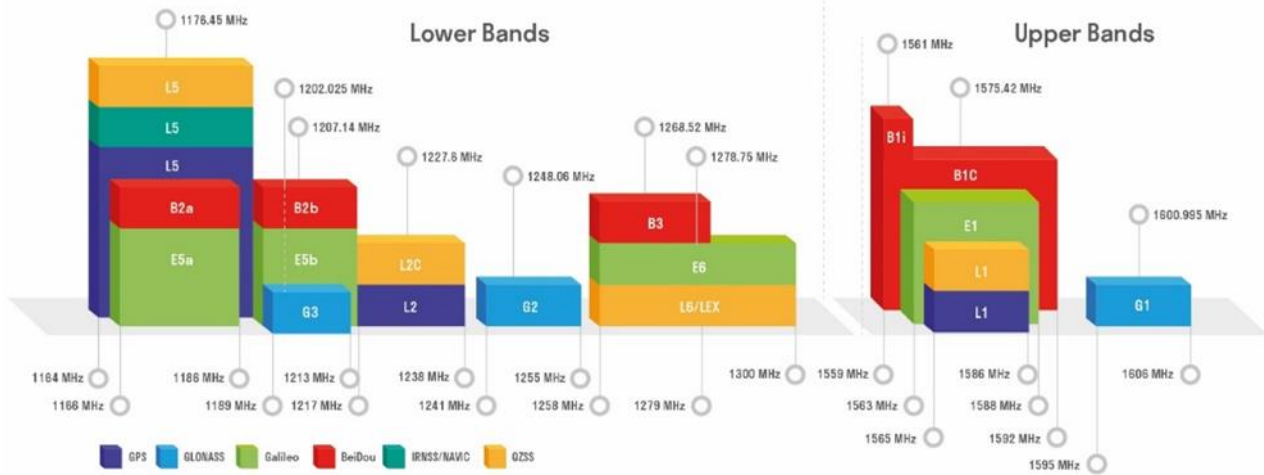
1.3. Block Diagram (Active Antenna)



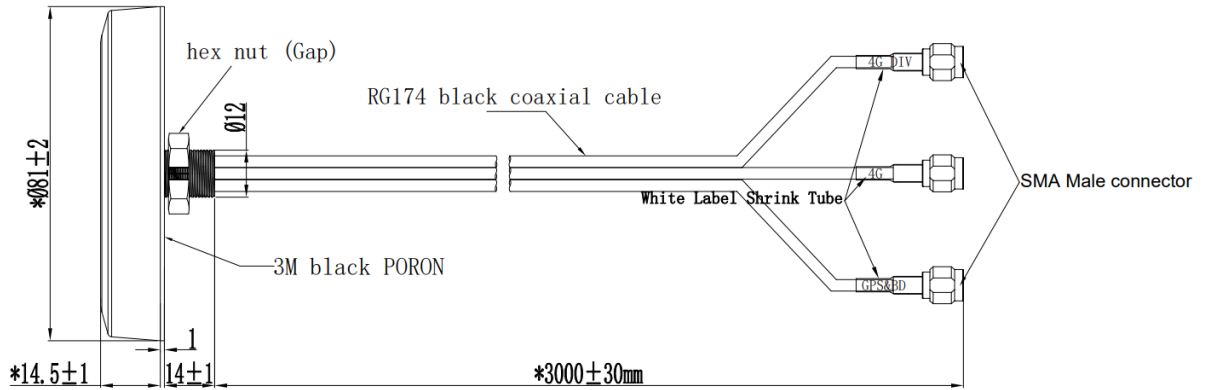
1.4. Supported GNSS Frequency Bands

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

GNSS Bands and Constellations



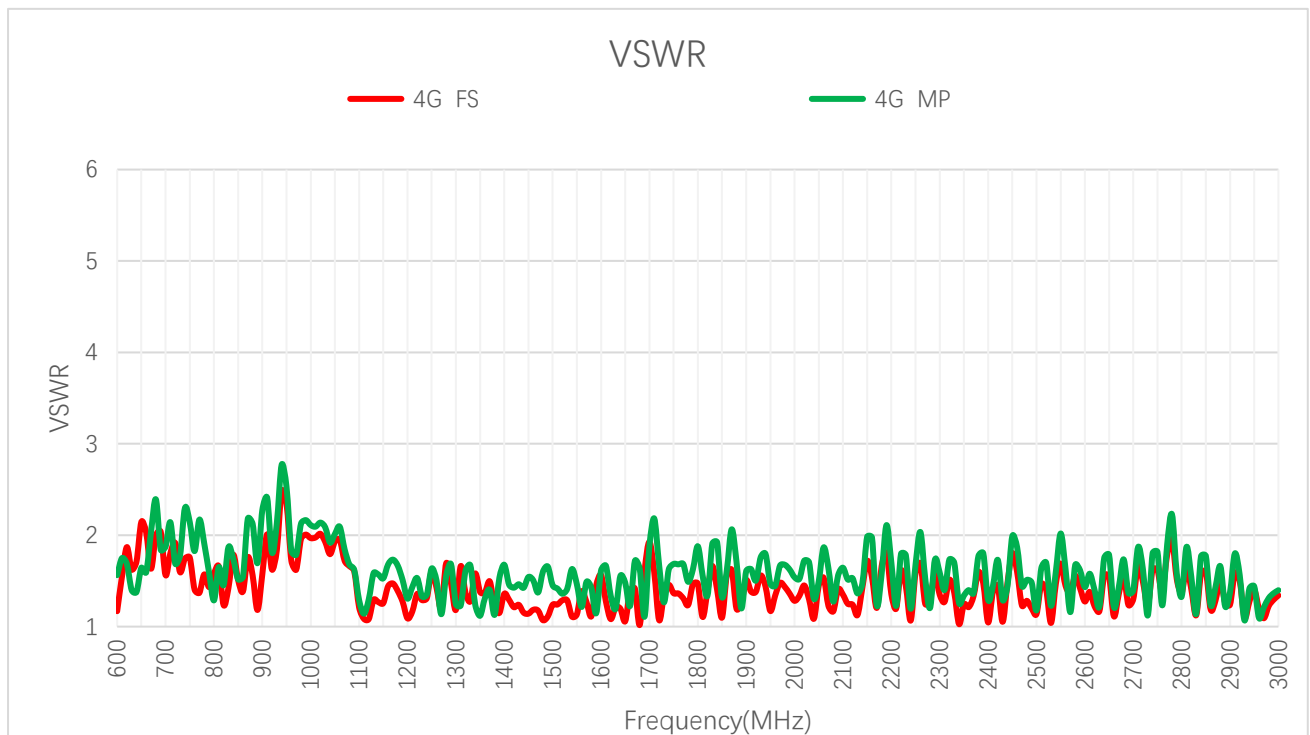
2 Drawing



3 Detailed Performance

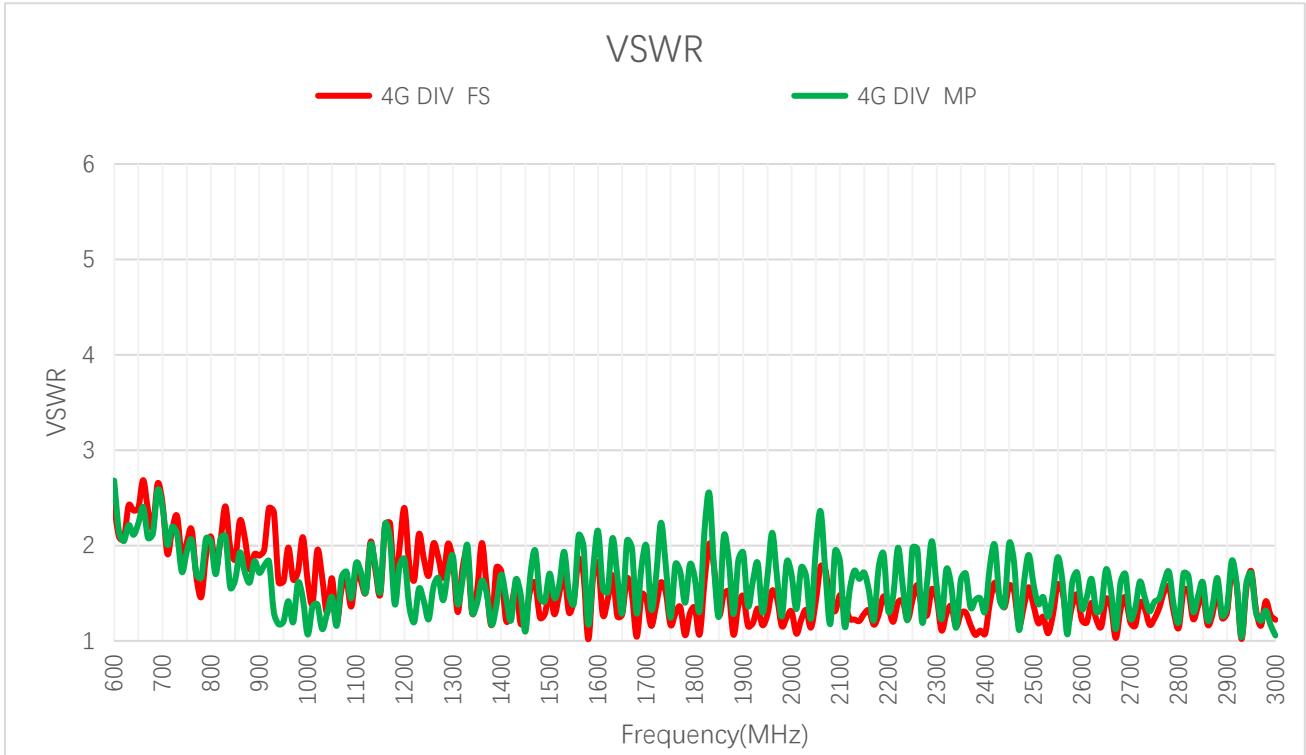
3.1. S-Parameter Test

3.1.1. VSWR



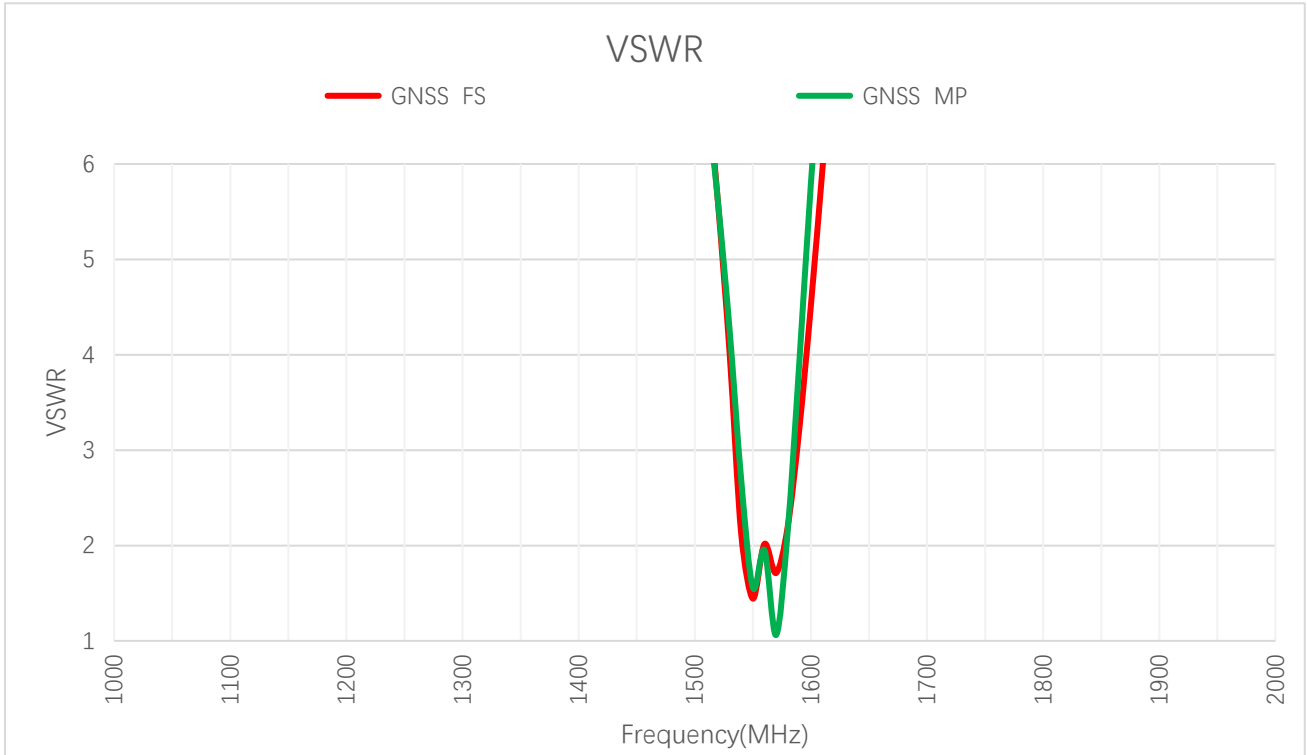
VSWR – 4G

Frequency (MHz)	600	630	710	830	900	960	1440	1710	1740	1880
FS	-	-	1.8	1.4	1.6	1.7	-	1.6	1.5	1.2
MP	-	-	2.1	1.9	2.3	1.8	-	2.2	1.6	1.7
Frequency (MHz)	1950	2140	2350	2450	2600	2690	4700	5000	5500	6000
FS	1.2	1.4	1.2	1.8	1.3	1.2	-	-	-	-
MP	1.5	1.5	1.3	2.0	1.4	1.4	-	-	-	-



VSWR – 4G DIV

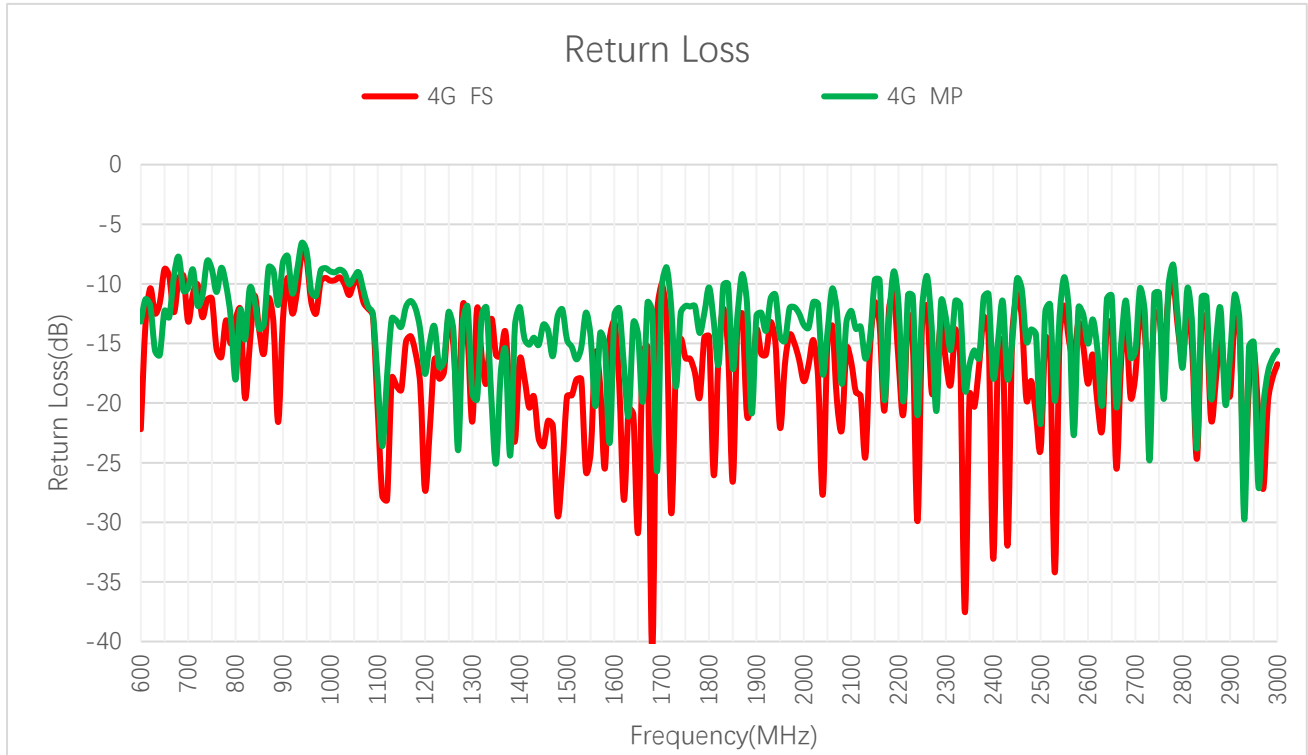
Frequency (MHz)	600	630	710	830	900	960	1440	1710	1740	1880
FS	-	-	1.9	2.4	1.9	2.0	-	1.2	1.5	1.1
MP	-	-	2.0	2.1	1.7	1.4	-	1.3	1.8	1.3
Frequency (MHz)	1950	2140	2350	2450	2600	2690	4700	5000	5500	6000
FS	1.3	1.2	1.3	1.6	1.2	1.5	-	-	-	-
MP	1.7	1.6	1.6	2.0	1.3	1.7	-	-	-	-



VSWR – GNSS

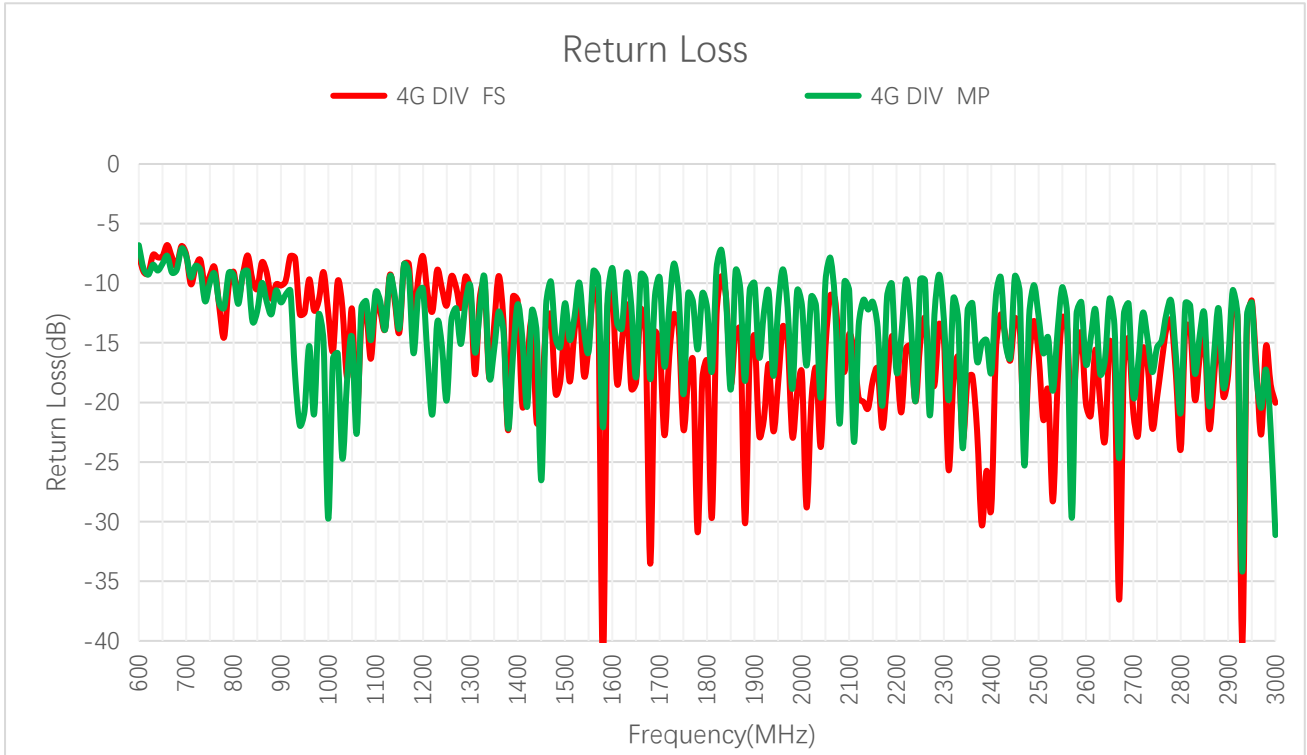
Frequency (MHz)	1176	1207	1227	1248	1268	1561	1575	1602
FS	-	-	-	-	-	2.0	1.9	-
MP	-	-	-	-	-	2.1	1.6	-

3.1.2. Return Loss



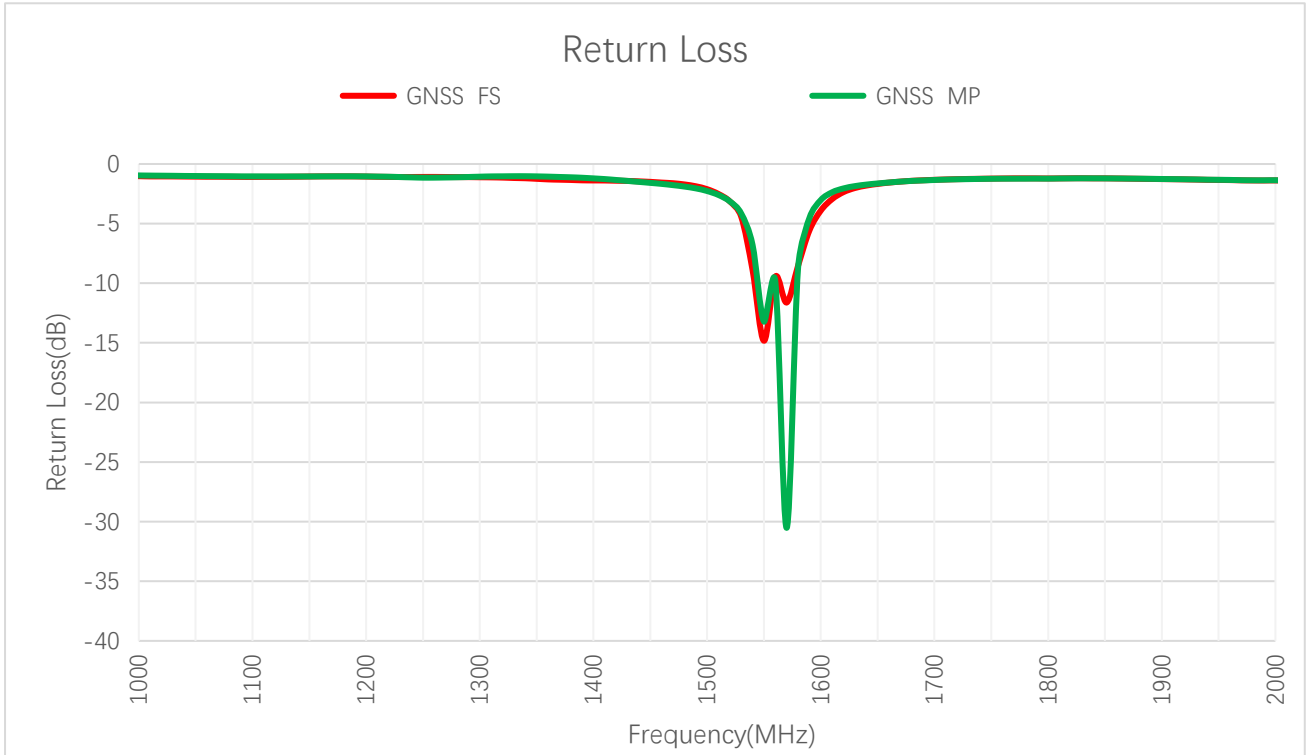
Return Loss (dB) – 4G

Frequency (MHz)	600	630	710	830	900	960	1440	1710	1740	1880
FS	-	-	-10.9	-15.2	-13.0	-11.5	-	-25.2	-14.5	-19.6
MP	-	-	-8.8	-10.4	-8.2	-10.7	-	-13.3	-25.0	-17.7
Frequency (MHz)	1950	2140	2350	2450	2600	2690	4700	5000	5500	6000
FS	-22.1	-15.2	-19.3	-10.9	-18.4	-19.5	-	-	-	-
MP	-14.5	-14.5	-16.8	-9.6	-15.0	-16.2	-	-	-	-



Return Loss (dB) – 4G DIV

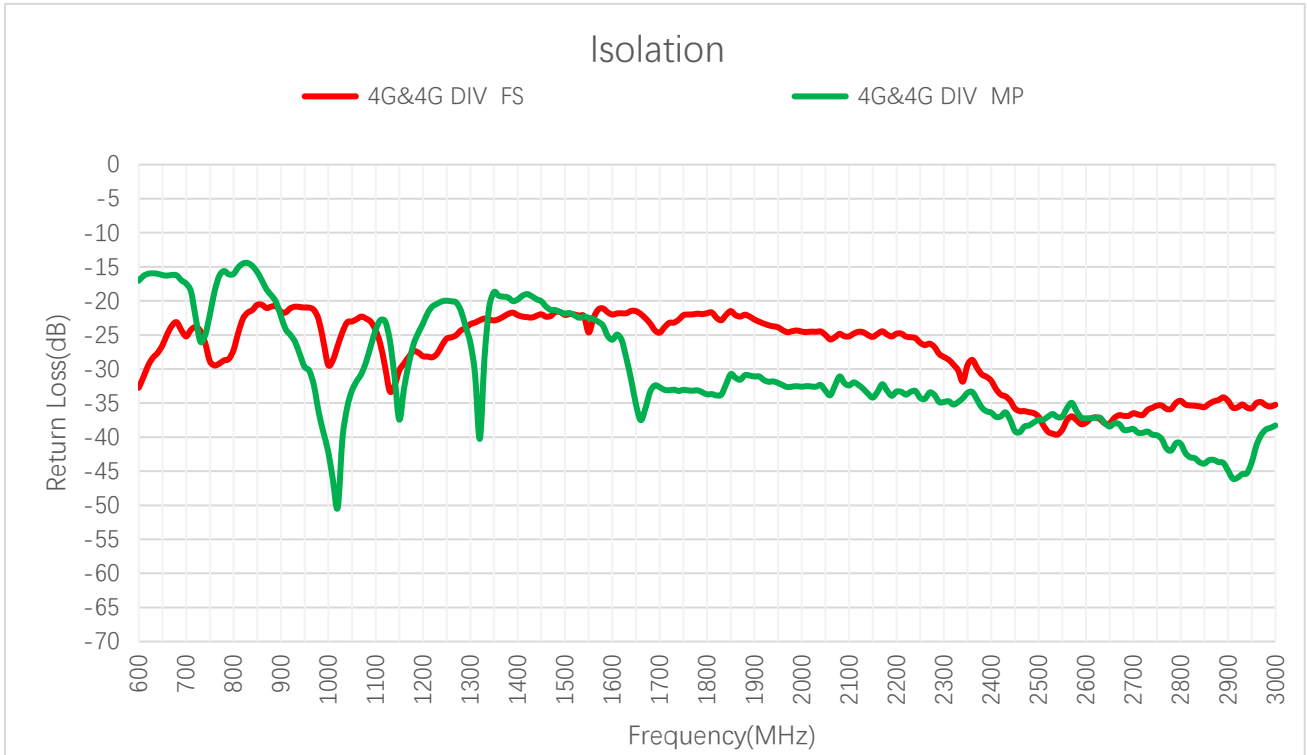
Frequency (MHz)	600	630	710	830	900	960	1440	1710	1740	1880
FS	-	-	-10.1	-7.7	-10.2	-9.7	-	-22.7	-13.8	-30.1
MP	-	-	-9.5	-9.0	-11.6	-15.3	-	-17.0	-10.9	-18.2
Frequency (MHz)	1950	2140	2350	2450	2600	2690	4700	5000	5500	6000
FS	-18.4	-20.5	-18.0	-12.9	-20.1	-14.6	-	-	-	-
MP	-12.0	-12.2	-12.3	-9.4	-16.8	-11.7	-	-	-	-



Return Loss (dB) – GNSS

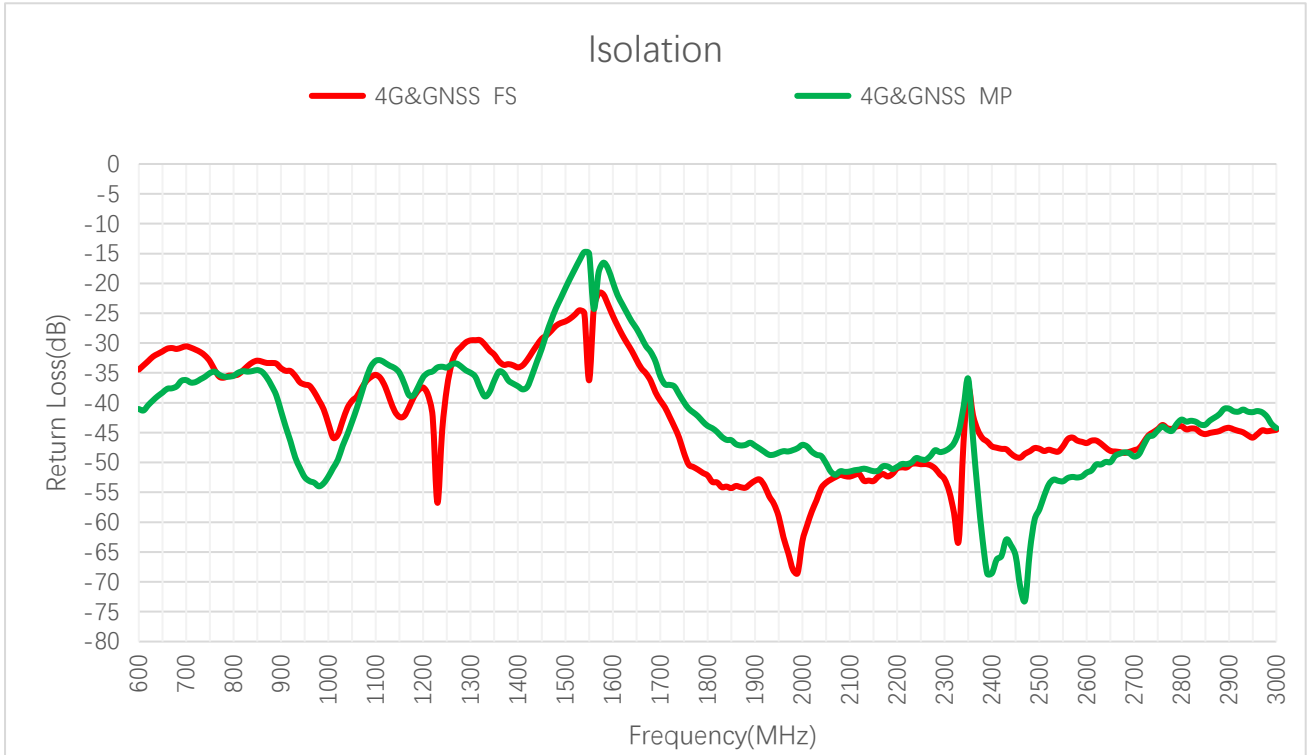
Frequency (MHz)	1176	1207	1227	1248	1268	1561	1575	1602
FS	-	-	-	-	-	-9.5	-10.1	-
MP	-	-	-	-	-	-9.9	-19.6	-

3.1.3. Isolation



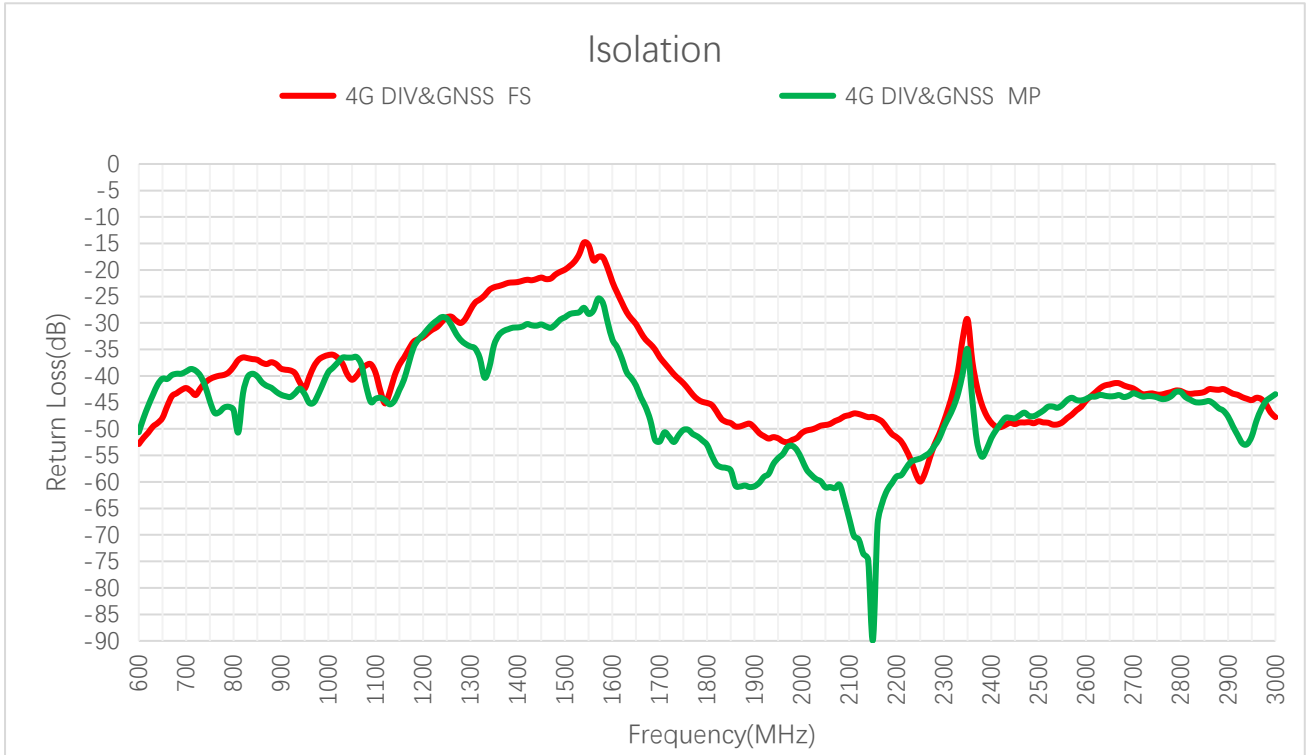
Max Isolation (dB) – 4G & 4G DIV

Band	B71	B12/ B13/ B28	B5/ B8/ B26	n74/ n75/ n76	B1/ B2/ B3	B40	Wi-Fi 2G	B38/ B41	Wi-Fi 5G	BDS B1I	GPS L1
Freq. (MHz)	600– 700	700– 810	820– 960	1420– 1520	1700– 2170	2300– 2400	2400– 2500	2500– 2690	5150– 5850	1559– 1564	1565– 1586
FS	-	-23.8	-20.6	-	-21.5	-28.2	-31.7	-36.8	-	-21.3	-21.1
MP	-	-15.1	-14.4	-	-30.7	-33.4	-36.4	-35.0	-	-22.7	-22.7



Max Isolation (dB) – 4G & GNSS

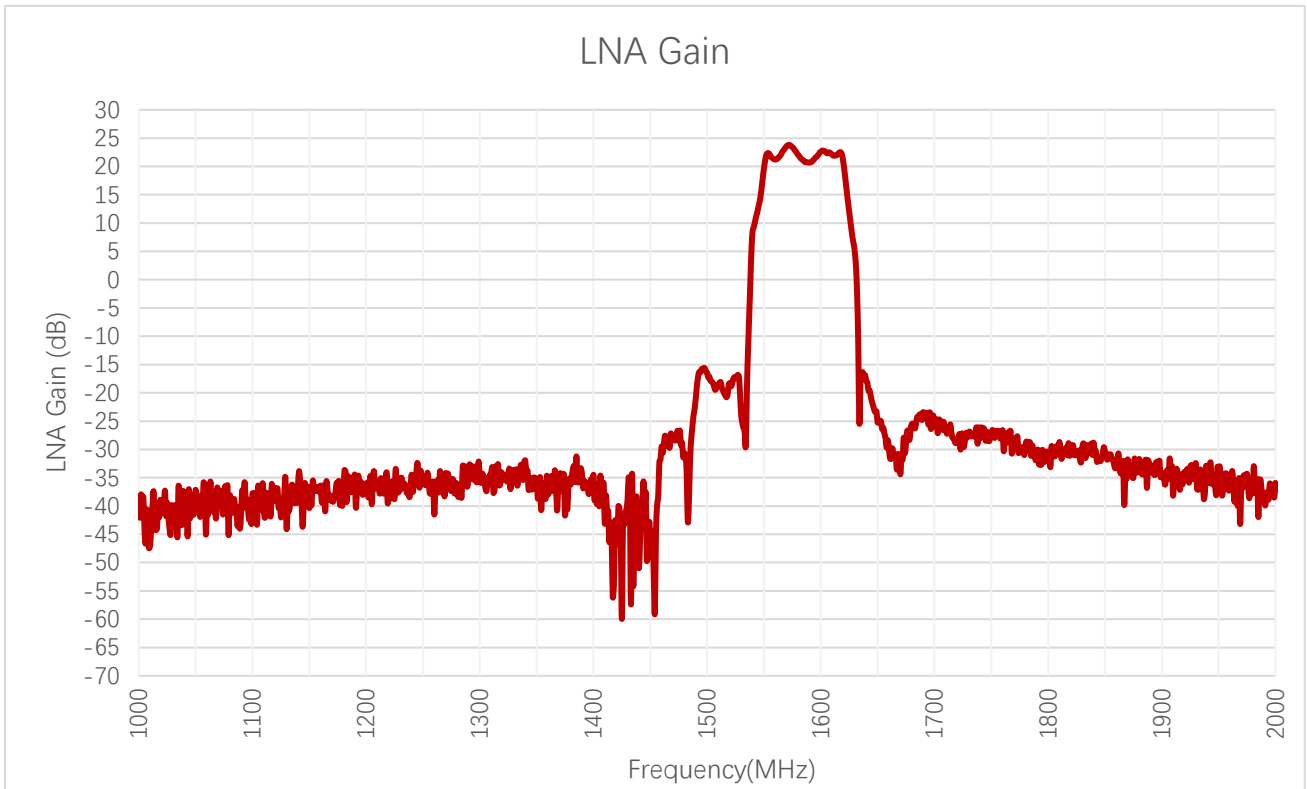
Band	B71	B12/ B13/ B28	B5/ B8/ B26	n74/ n75/ n76	B1/ B2/ B3	B40	Wi-Fi 2G	B38/ B41	Wi-Fi 5G	BDS B1I	GPS L1
Freq. (MHz)	600– 700	700– 810	820– 960	1420– 1520	1700– 2170	2300– 2400	2400– 2500	2500– 2690	5150– 5850	1559– 1564	1565– 1586
FS	-	-30.5	-32.9	-	-39.6	-37.7	-47.3	-45.8	-	-21.7	-21.7
MP	-	-34.8	-34.5	-	-35.5	-36.0	-57.9	-48.3	-	-18.2	-16.5



Max Isolation (dB) – 4G DIV & GNSS

Band	B71	B12/ B13/ B28	B5/ B8/ B26	n74/ n75/ n76	B1/ B2/ B3	B40	Wi-Fi 2G	B38/ B41	Wi-Fi 5G	BDS B1I	GPS L1
Freq. (MHz)	600– 700	700– 810	820– 960	1420– 1520	1700– 2170	2300– 2400	2400– 2500	2500– 2690	5150– 5850	1559– 1564	1565– 1586
FS	-	-37.0	-36.5	-	-36.5	-29.3	-48.6	-41.4	-	-17.5	-17.5
MP	-	-38.7	-39.6	-	-50.2	-35.0	-46.9	-43.6	-	-25.4	-25.4

3.1.4. GNSS LNA Gain

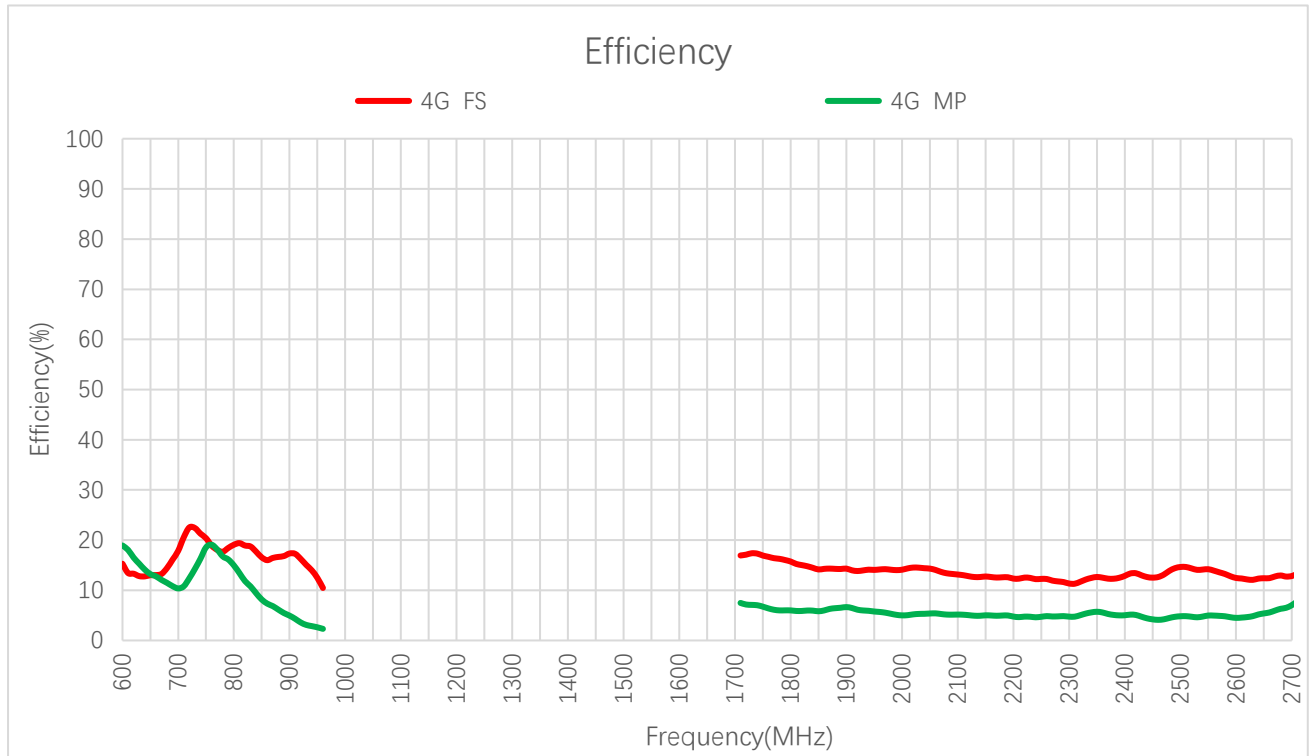


LNA Gain (dB)

Frequency (MHz)	1176	1207	1227	1248	1268	1561	1575	1602
LNA Gain (dB)	-	-	-	-	-	21.3	23.4	-

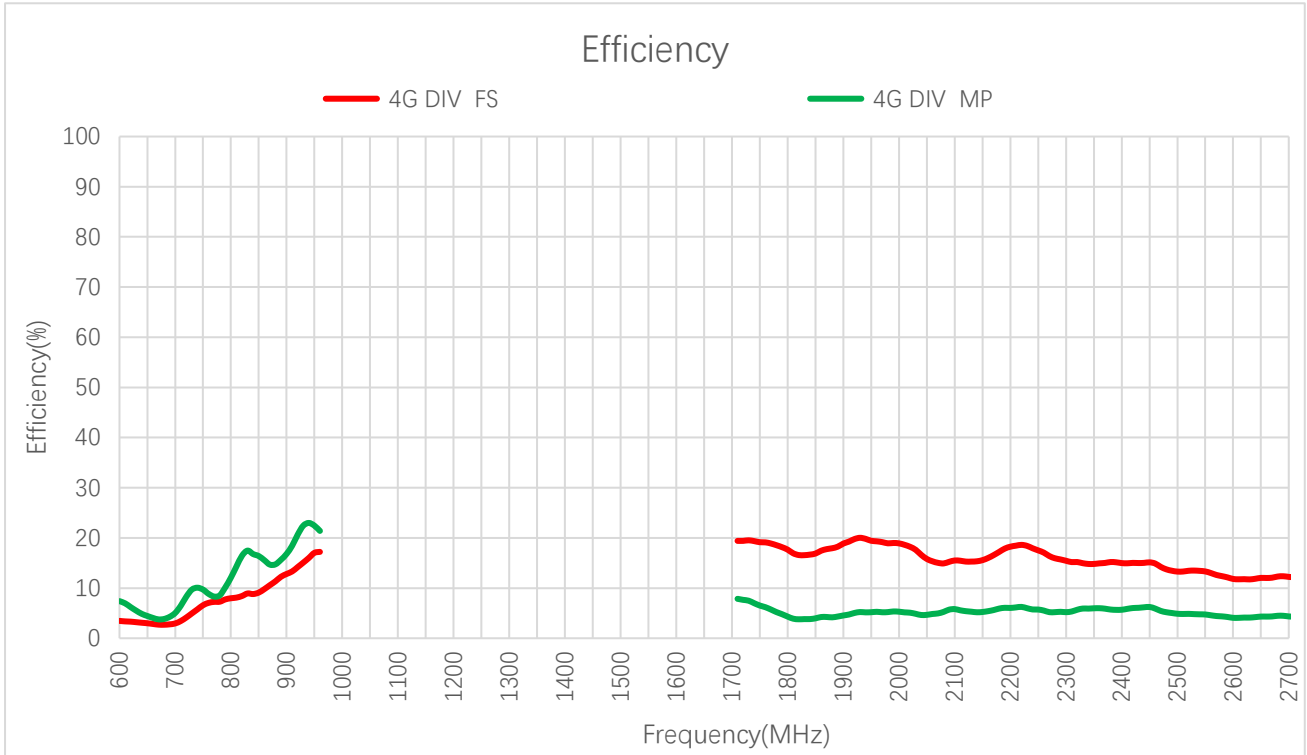
3.2. Radiation Performance Test

3.2.1. Efficiency



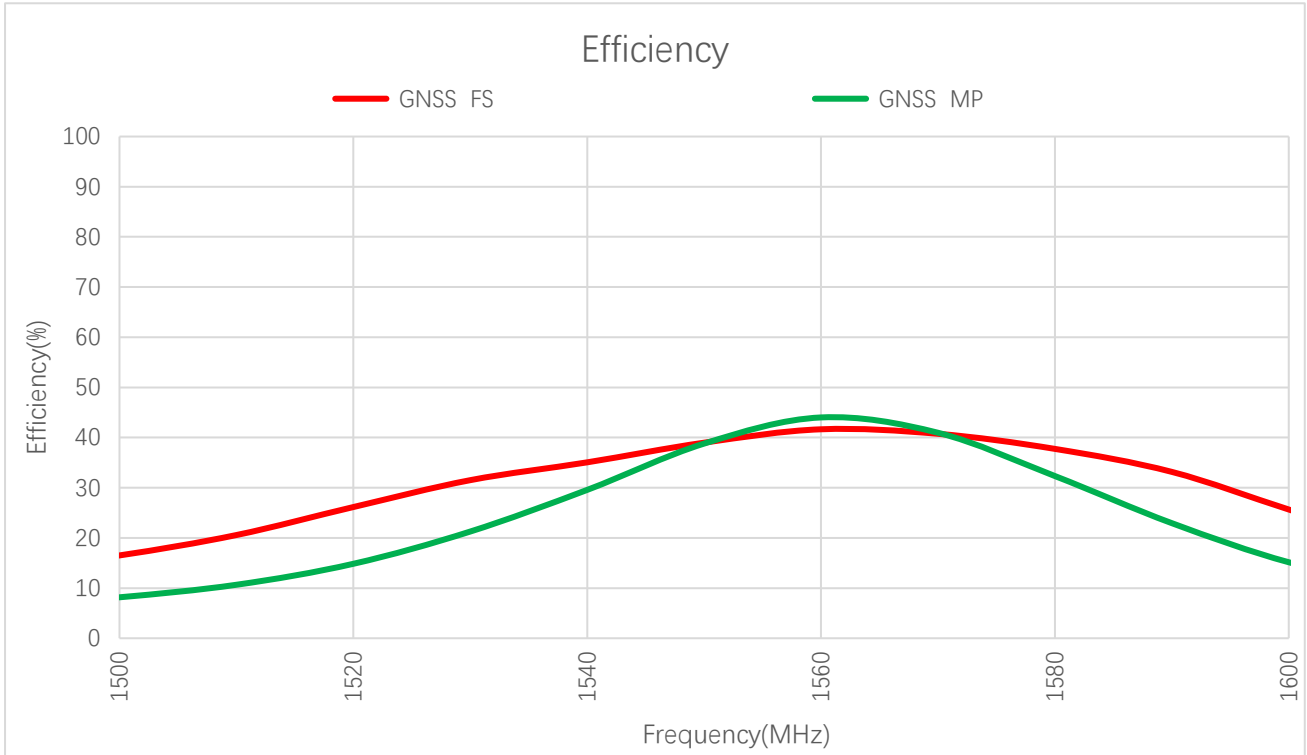
Efficiency (%) – 4G

Frequency (MHz)	600	630	710	830	900	960	1440	1710	1740	1880
FS	-	-	20.6	18.7	17.3	10.5	-	16.9	17.3	14.3
MP	-	-	10.8	10.8	5.0	2.3	-	7.5	7.0	6.4
Frequency (MHz)	1950	2140	2350	2450	2600	2690	4700	5000	5500	6000
FS	14.1	12.6	12.7	12.5	12.5	12.7	-	-	-	-
MP	5.8	4.9	5.7	4.2	4.5	6.5	-	-	-	-



Efficiency (%) – 4G DIV

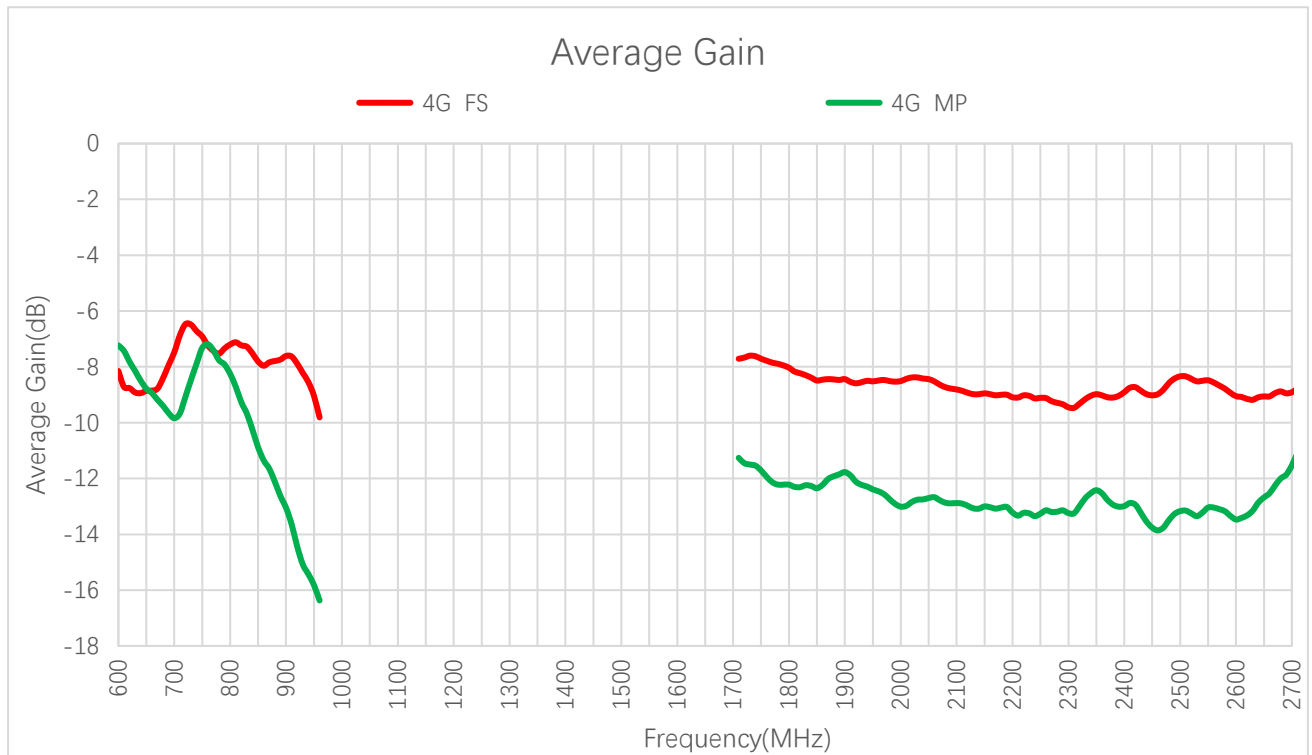
Frequency (MHz)	600	630	710	830	900	960	1440	1710	1740	1880
FS	-	-	3.4	8.9	12.8	17.2	-	19.4	19.4	17.9
MP	-	-	6.5	17.5	16.8	21.4	-	7.9	7.0	4.2
Frequency (MHz)	1950	2140	2350	2450	2600	2690	4700	5000	5500	6000
FS	19.4	15.3	14.8	15.1	11.8	12.4	-	-	-	-
MP	5.2	5.2	6.0	6.2	4.1	4.5	-	-	-	-



Efficiency (%) – GNSS

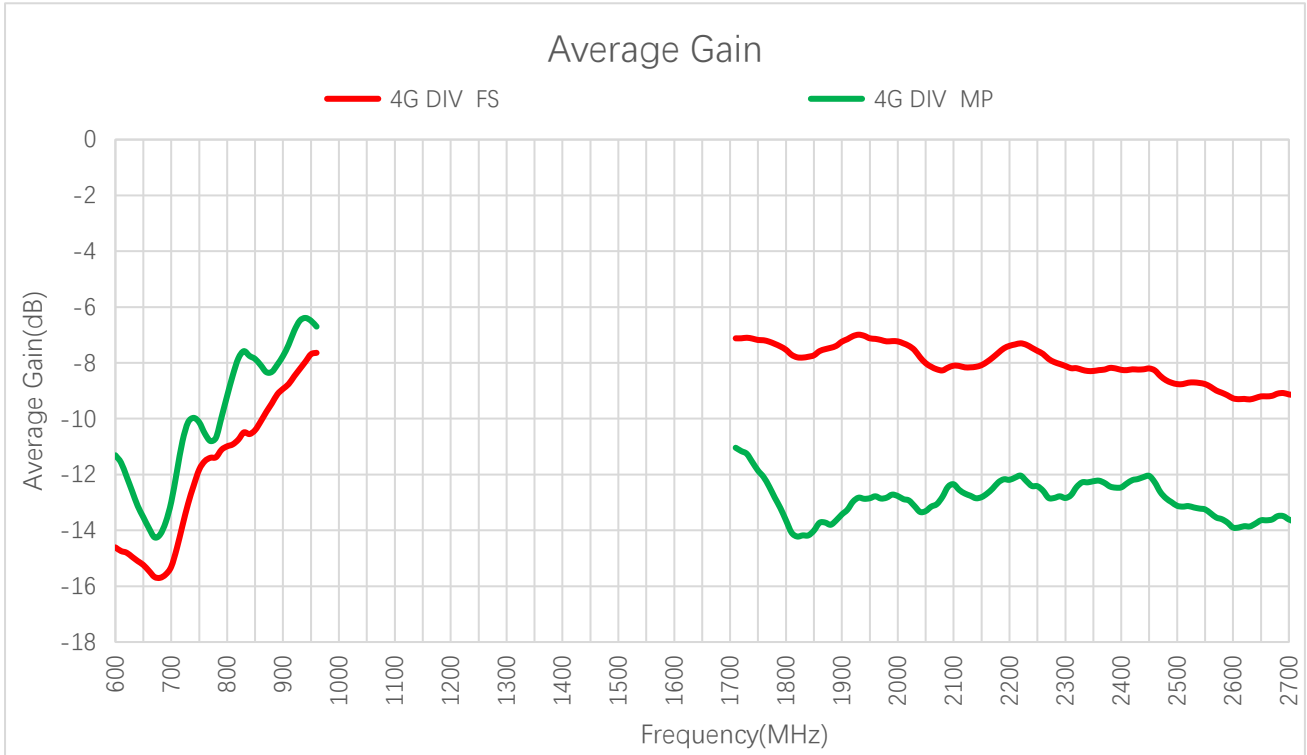
Frequency (MHz)	1176	1207	1227	1248	1268	1561	1575	1602
FS	-	-	-	-	-	41.7	39.2	-
MP	-	-	-	-	-	44.0	36.6	-

3.2.2. Average Gain



Average Gain (dB) – 4G

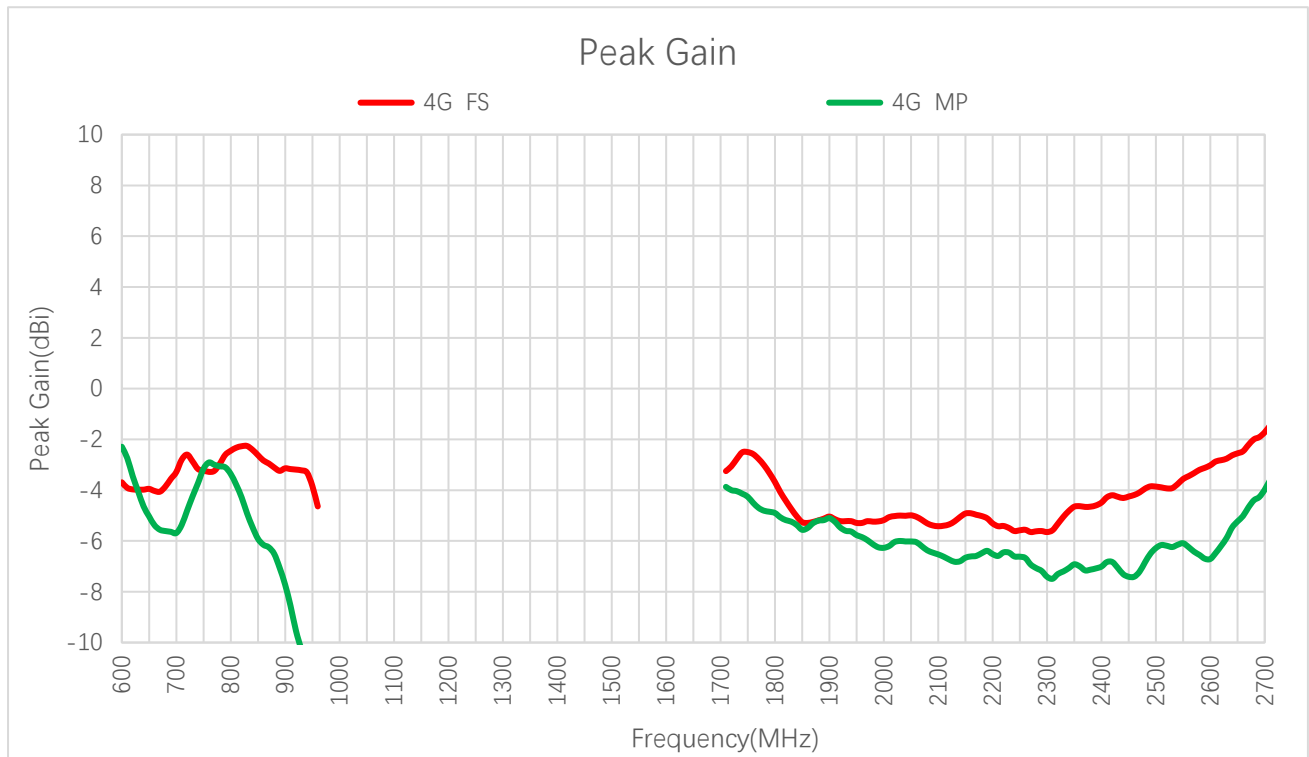
Frequency (MHz)	600	630	710	830	900	960	1440	1710	1740	1880
FS	-	-	-6.9	-7.3	-7.6	-9.8	-	-7.7	-7.6	-8.5
MP	-	-	-9.7	-9.7	-13.1	-16.4	-	-11.3	-11.5	-11.9
Frequency (MHz)	1950	2140	2350	2450	2600	2690	4700	5000	5500	6000
FS	-8.5	-9.0	-9.0	-9.0	-9.1	-9.0	-	-	-	-
MP	-12.4	-13.1	-12.4	-13.8	-13.5	-11.9	-	-	-	-

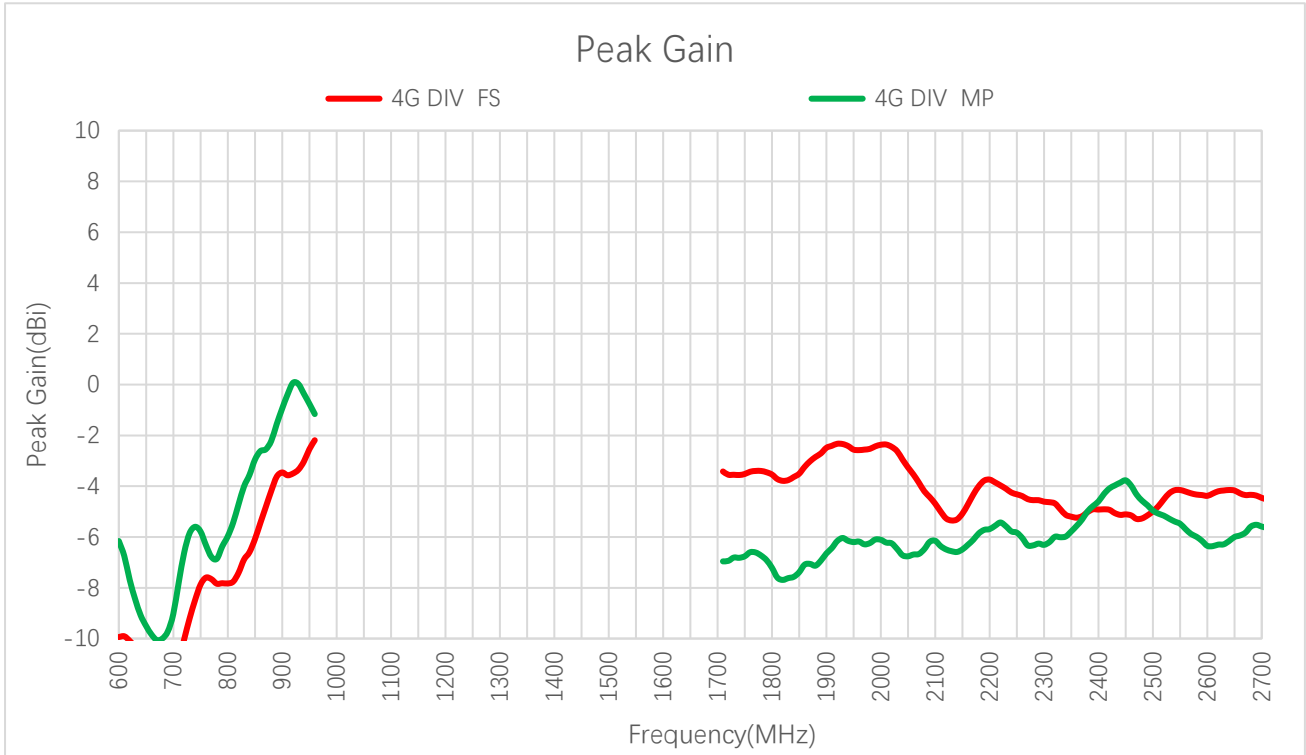


Average Gain (dB) – 4G DIV

Frequency (MHz)	600	630	710	830	900	960	1440	1710	1740	1880
FS	-	-	-14.6	-10.5	-8.9	-7.6	-	-7.1	-7.1	-7.5
MP	-	-	-11.9	-7.6	-7.8	-6.7	-	-11.0	-11.6	-13.8
Frequency (MHz)	1950	2140	2350	2450	2600	2690	4700	5000	5500	6000
FS	-7.1	-8.1	-8.3	-8.2	-9.3	-9.1	-	-	-	-
MP	-12.9	-12.9	-12.2	-12.1	-13.9	-13.5	-	-	-	-

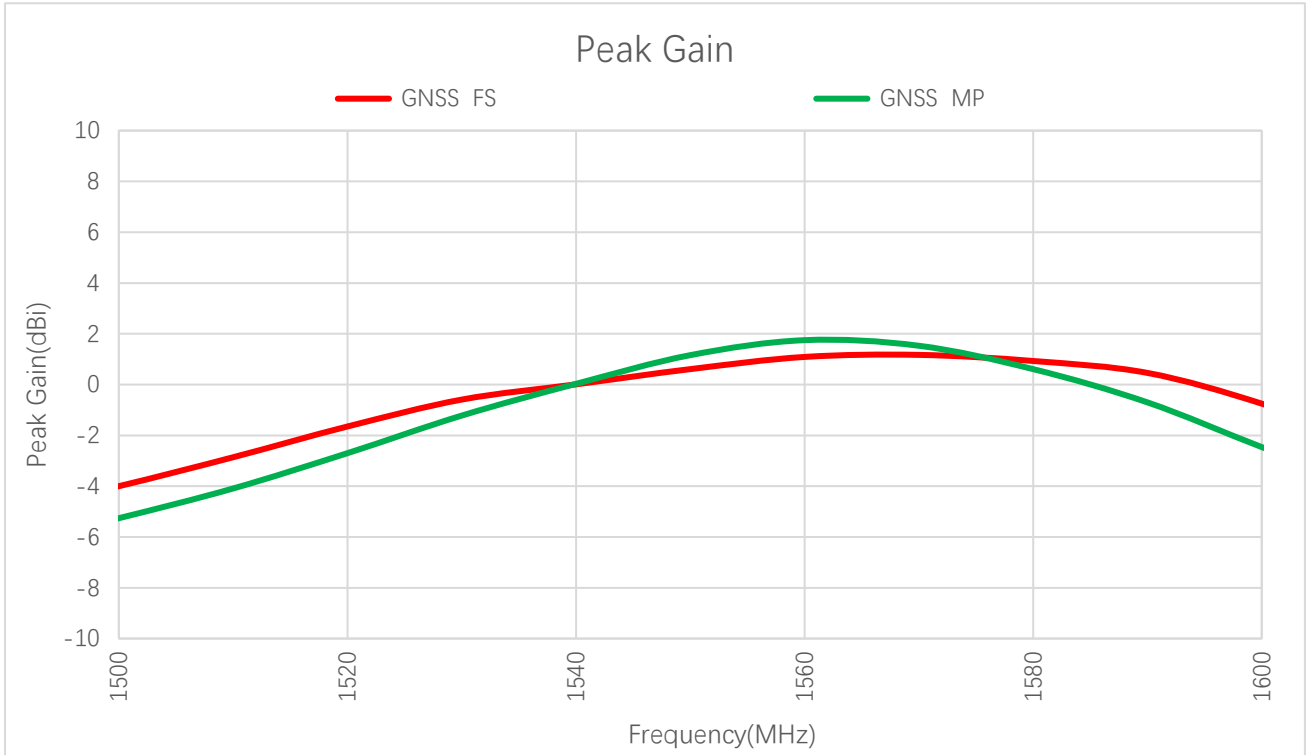
3.2.3. Peak Gain





Peak Gain (dBi) – 4G DIV

Frequency (MHz)	600	630	710	830	900	960	1440	1710	1740	1880
FS	-	-	-10.9	-6.9	-3.5	-2.2	-	-3.4	-3.6	-2.9
MP	-	-	-7.8	-4.0	-1.0	-1.2	-	-7.0	-6.8	-7.1
Frequency (MHz)	1950	2140	2350	2450	2600	2690	4700	5000	5500	6000
FS	-2.6	-5.3	-5.2	-5.1	-4.4	-4.4	-	-	-	-
MP	-6.2	-6.6	-5.8	-3.8	-6.4	-5.5	-	-	-	-

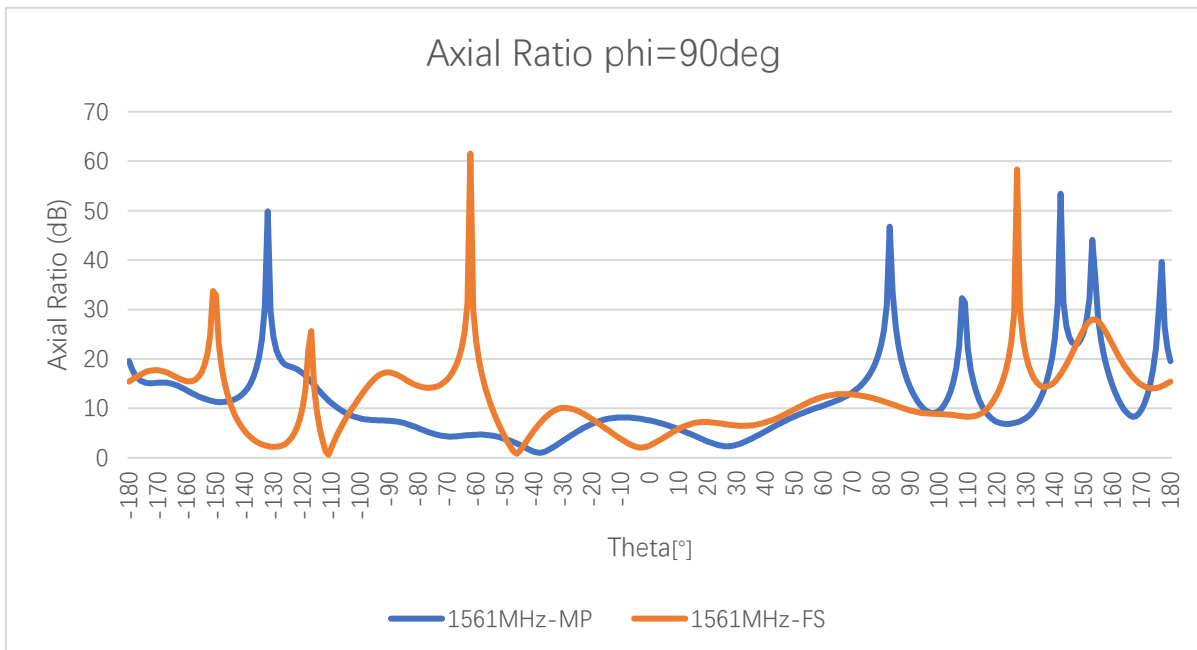
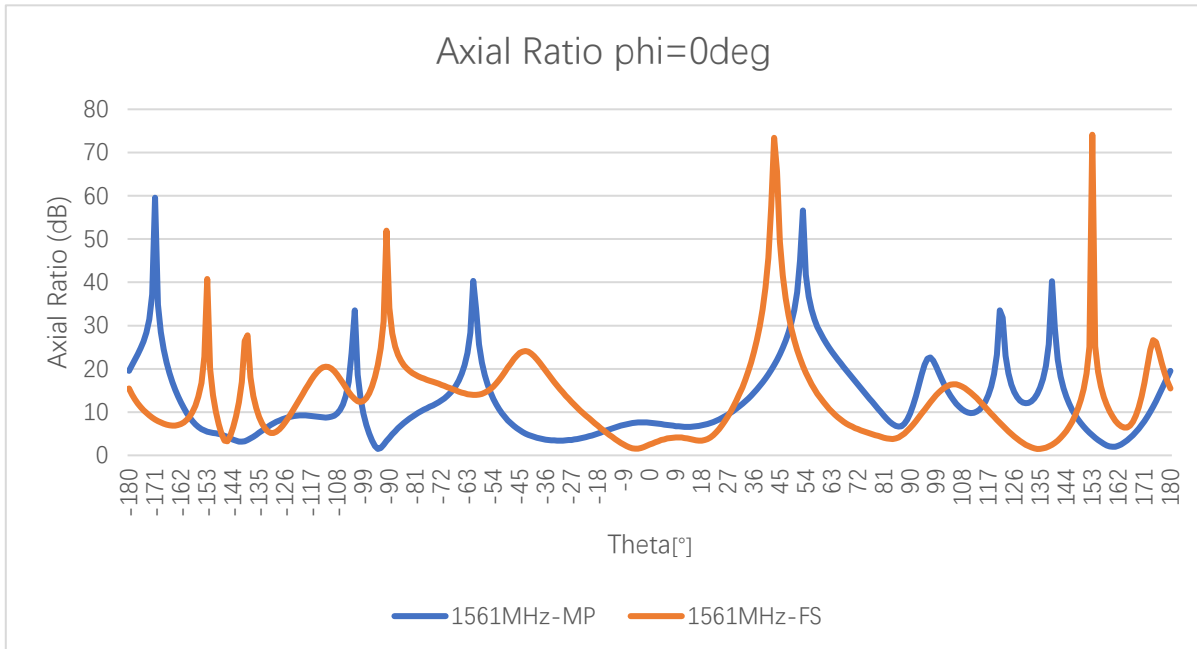


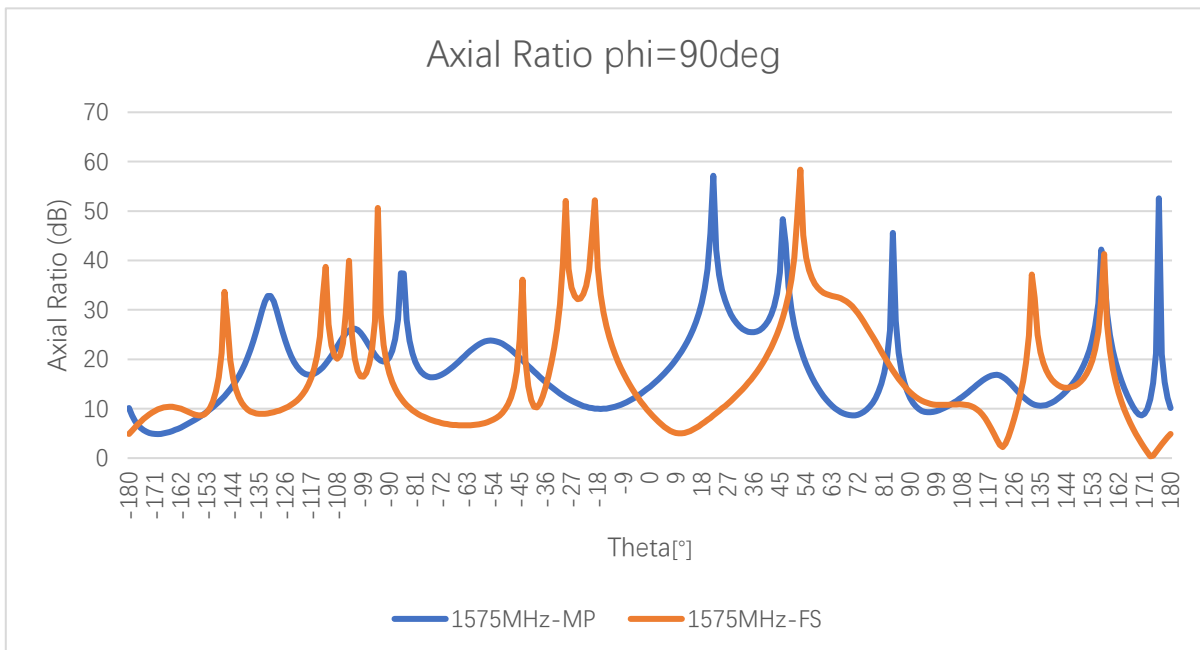
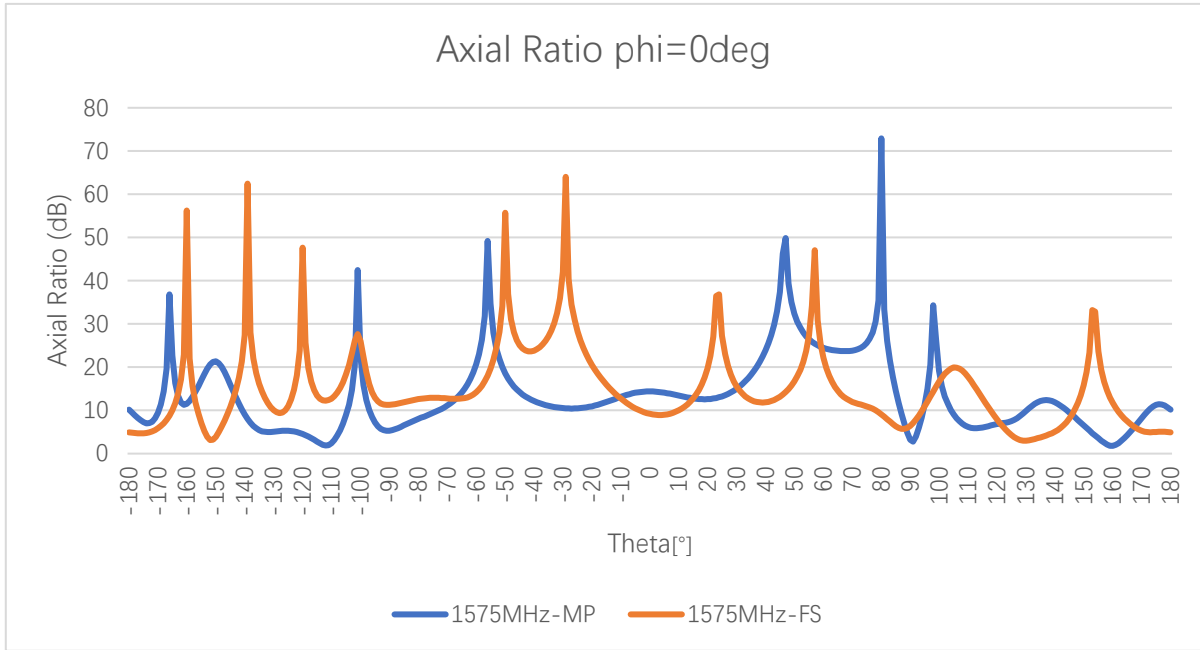
Peak Gain (dBi) – GNSS

Frequency (MHz)	1176	1207	1227	1248	1268	1561	1575	1602
FS	-	-	-	-	-	1.1	-1.1	-
MP	-	-	-	-	-	1.75	1.1	-

3.2.4. Axial Ratio

- **Test Condition: Free Space**
- **Test Condition: On 300 mm × 300 mm Metal Plane**



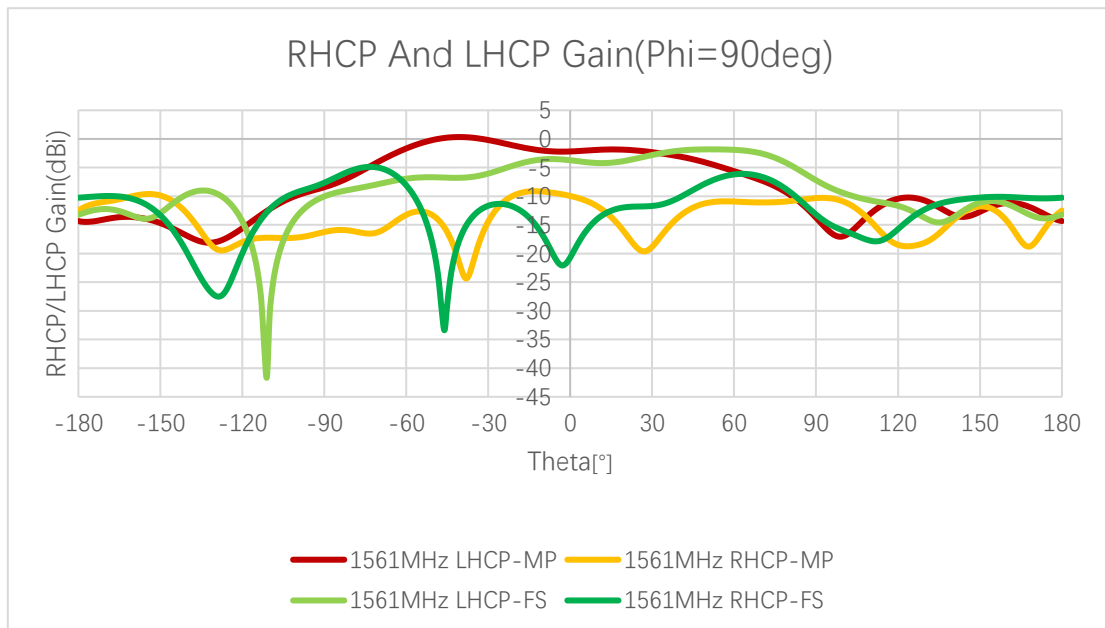
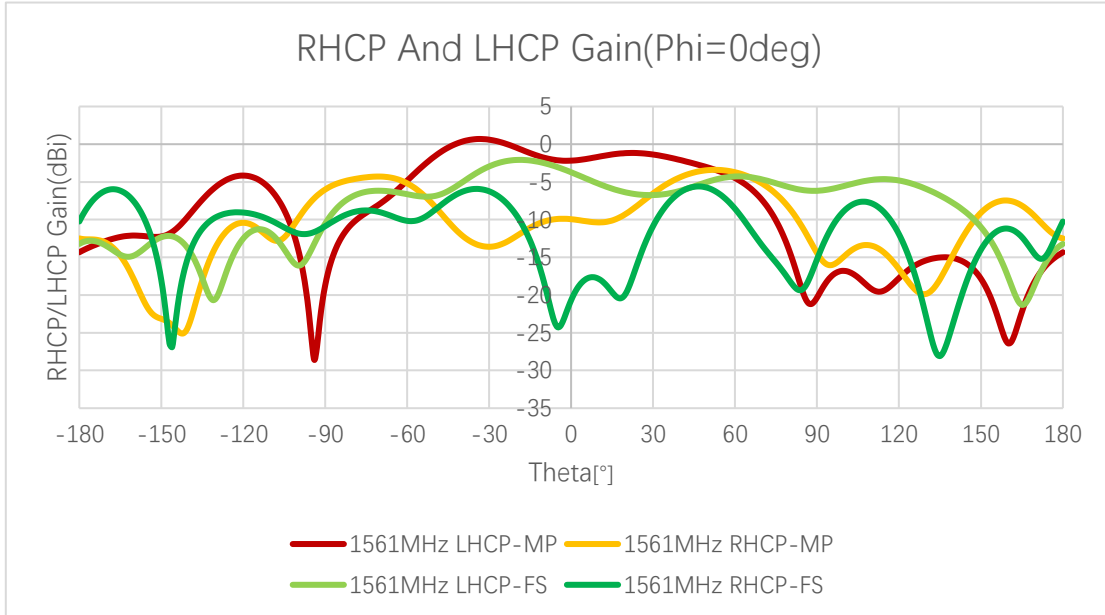


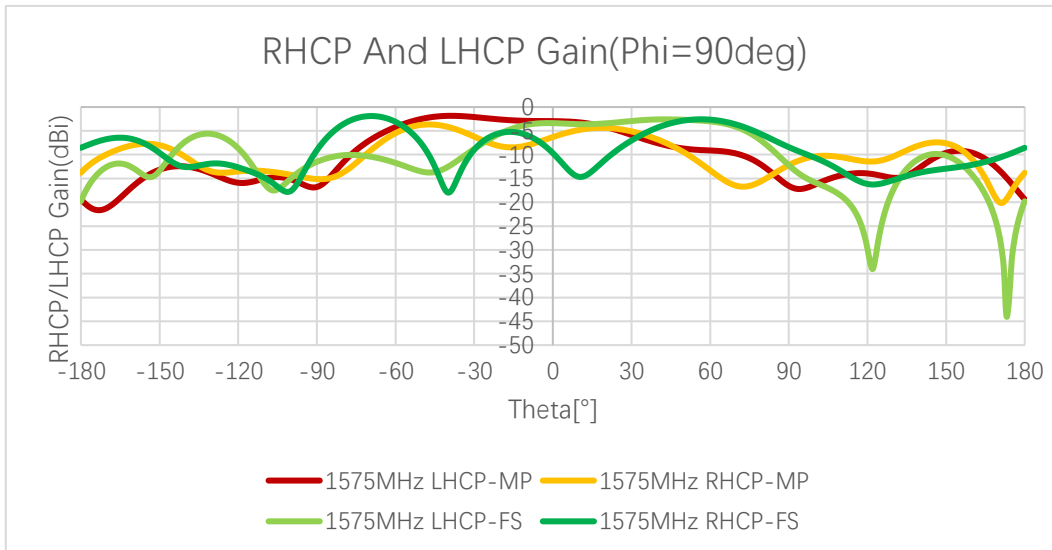
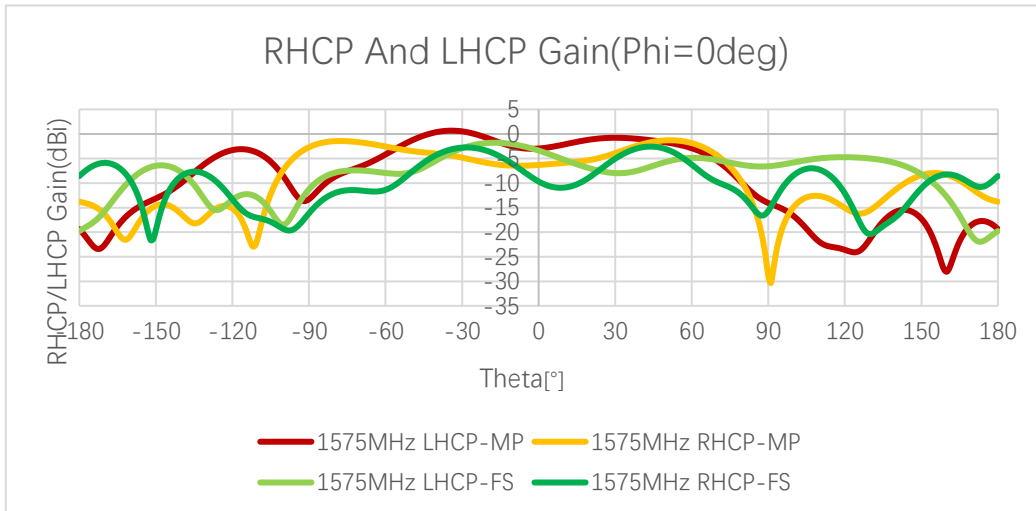
Axial Ratio (dB)

Frequency (MHz)			1176	1207	1227	1248	1268	1561	1575	1602
Axial Ratio (dB)	Phi = 0 (deg) Theta = 0 (deg)	FS	-	-	-	-	-	2.48	9.19	-
		MP	-	-	-	-	-	7.54	14.40	-
	Phi = 90 (deg) Theta = 0 (deg)	FS	-	-	-	-	-	2.48	9.19	-
		MP	-	-	-	-	-	7.54	14.40	-

3.2.5. 2D RHCP and LHCP Gain

- Test Condition: Free Space
- Test Condition: On 300 mm × 3000 mm Metal Plane





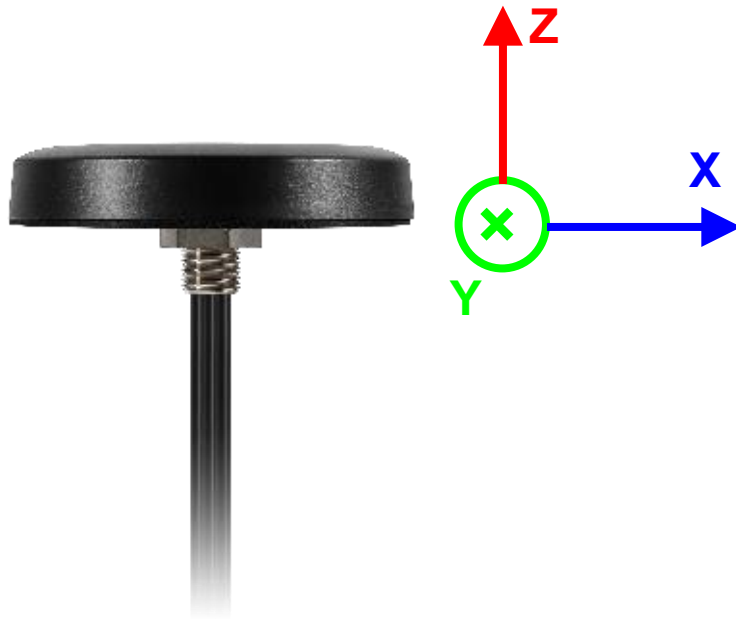
2D RHCP and LHCP Gain (dBi)

Frequency (MHz)			1176	1207	1227	1248	1268	1561	1575	1602
RHCP Gain (dBi)	Phi = 0 (deg) Theta = 0 (deg)	FS	-	-	-	-	-	-20.7	-9.67	-
		MP	-	-	-	-	-	-9.95	-6.31	-
	Phi = 90 (deg) Theta = 0 (deg)	FS	-	-	-	-	-	-20.7	-9.67	-
		MP	-	-	-	-	-	-9.95	-6.31	-
LHCP Gain (dBi)	Phi = 0 (deg) Theta = 0 (deg)	FS	-	-	-	-	-	-3.72	-3.38	-
		MP	-	-	-	-	-	-2.18	-2.96	-
	Phi = 90 (deg) Theta = 0 (deg)	FS	-	-	-	-	-	-3.72	-3.38	-
		MP	-	-	-	-	-	-2.18	-2.96	-

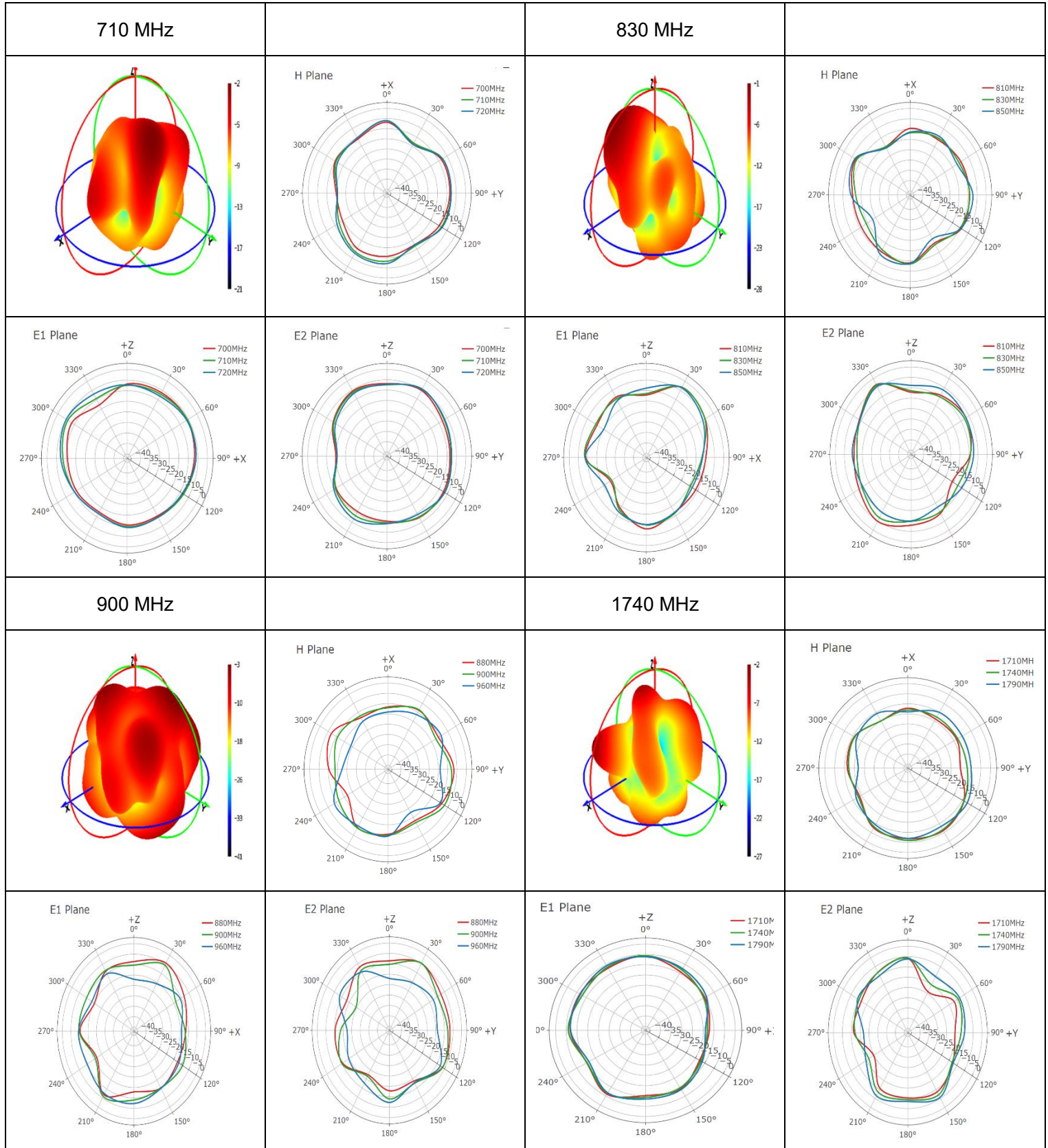
3.2.6. 3D & 2D Radiation Pattern

3.2.6.1. Test Status: In Free Space

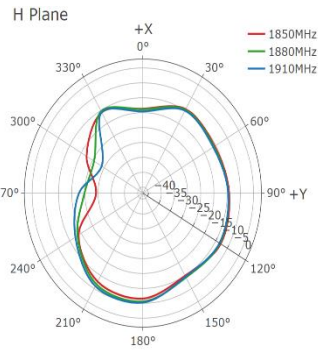
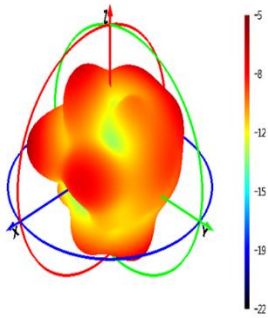
- Test Chamber: GL-S-1



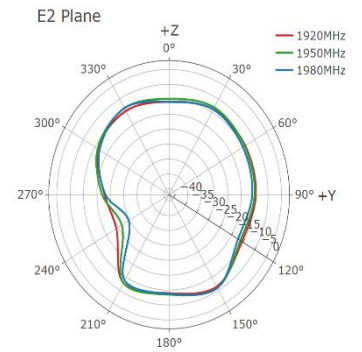
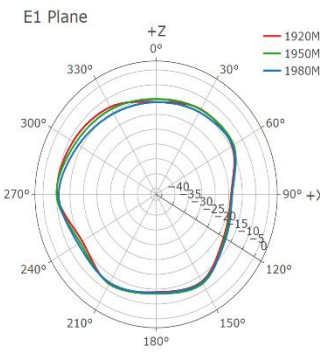
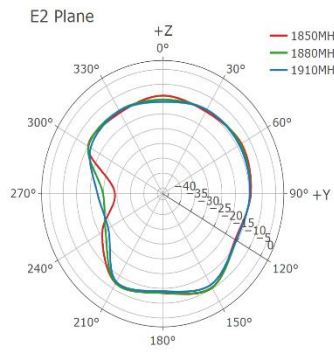
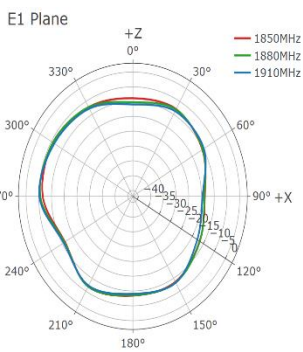
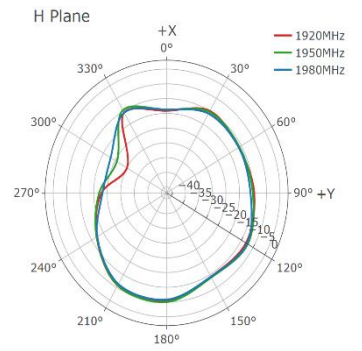
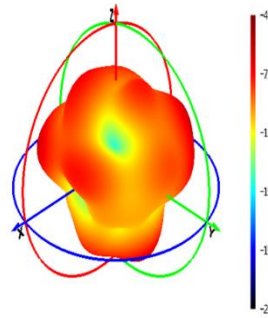
● **4G**



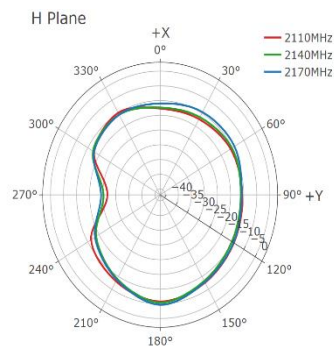
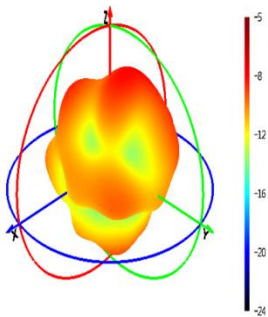
1880 MHz



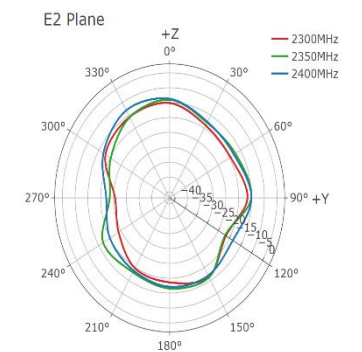
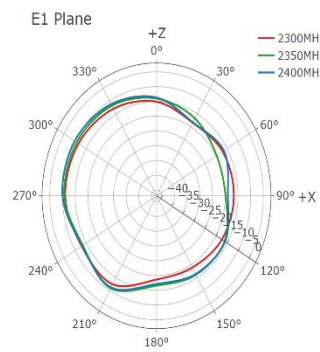
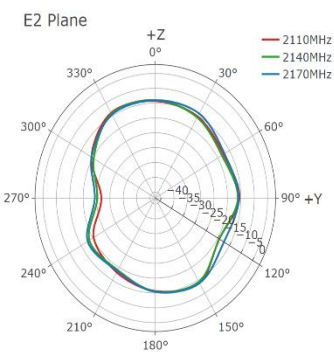
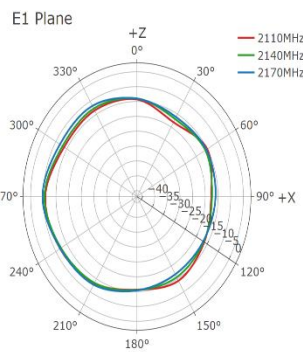
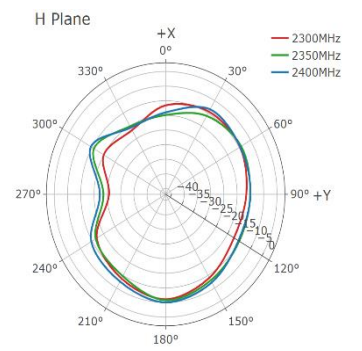
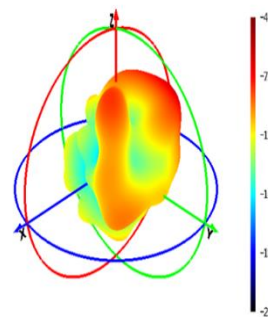
1950 MHz

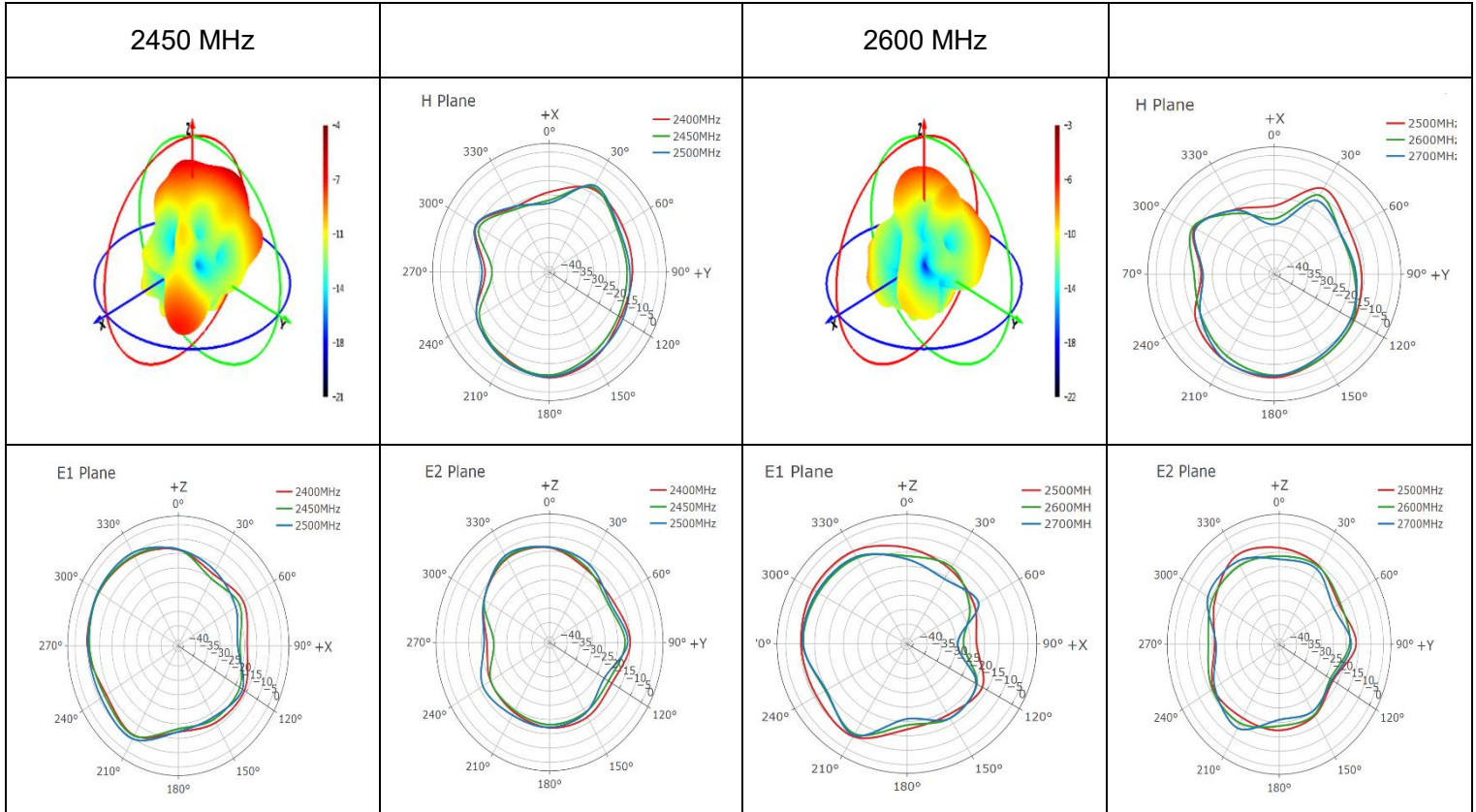


2140 MHz

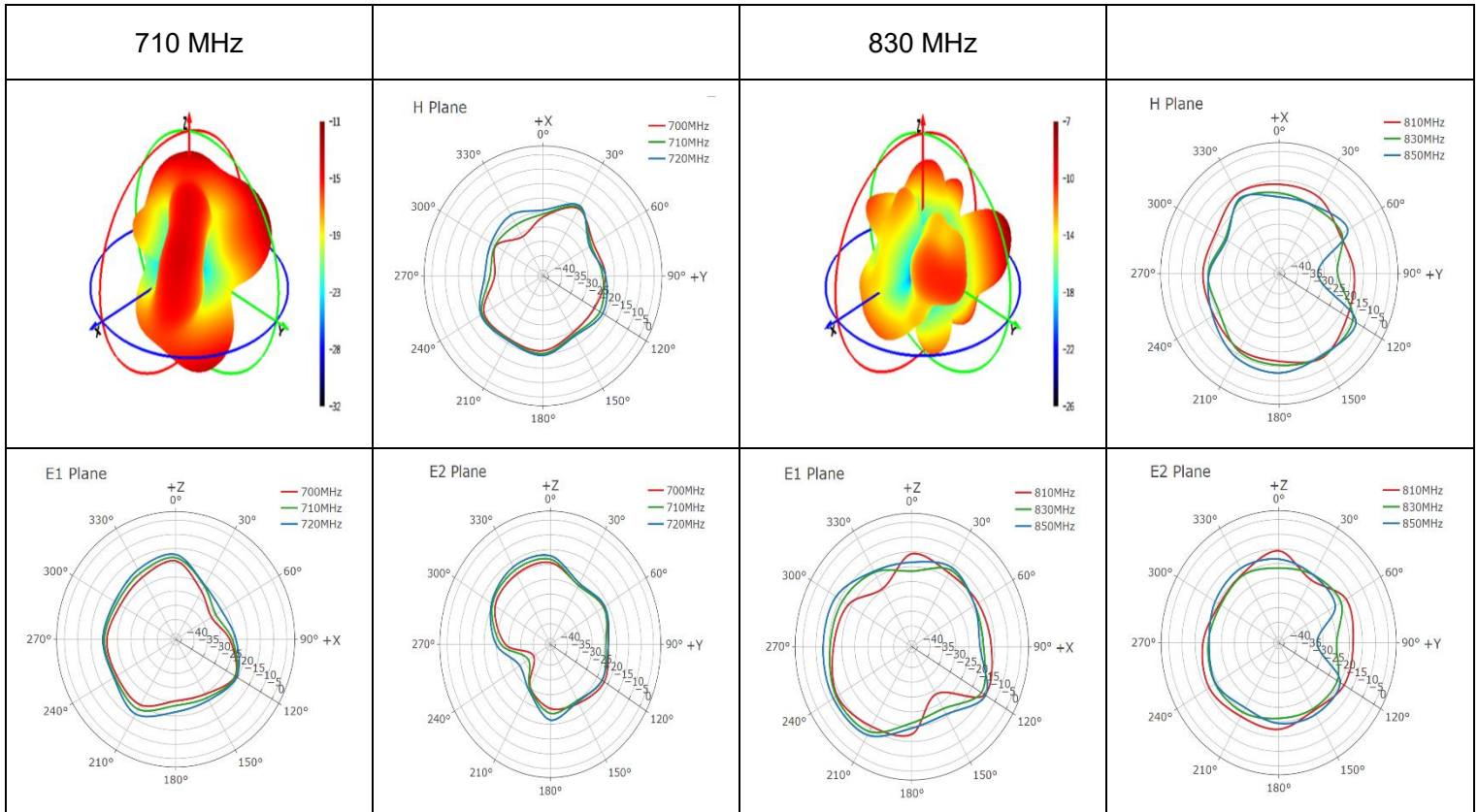


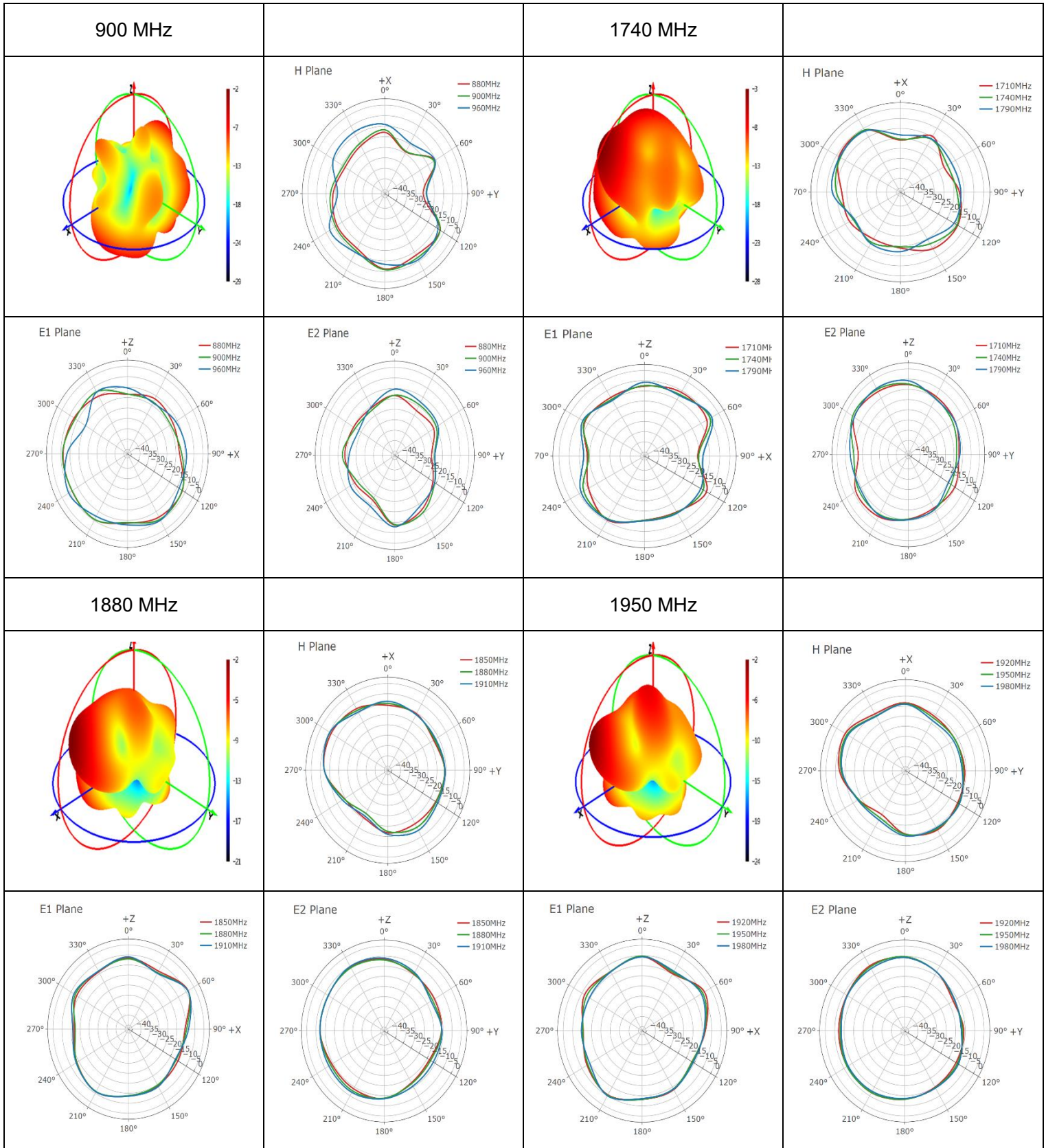
2350 MHz

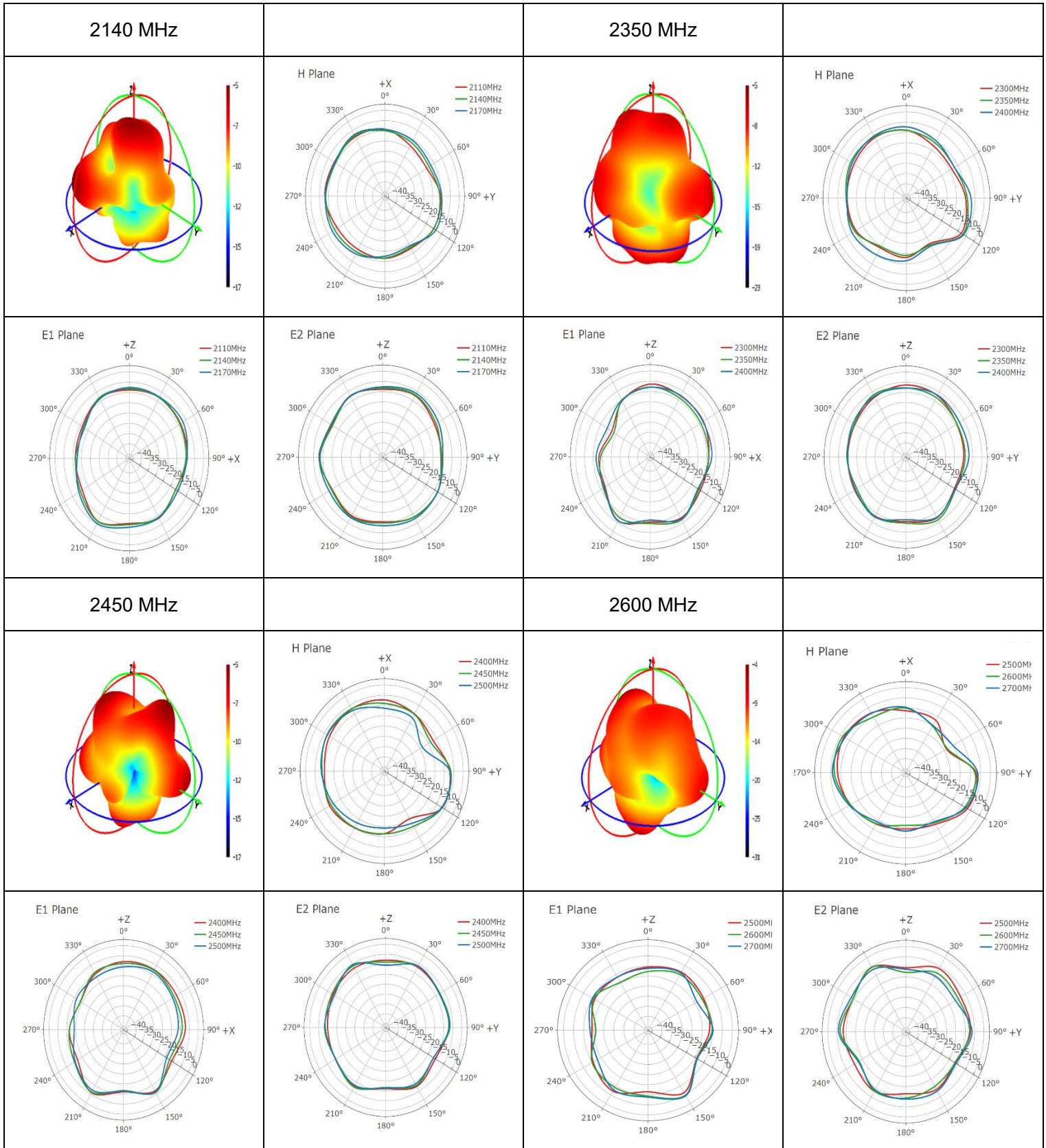




● **4G DIV**

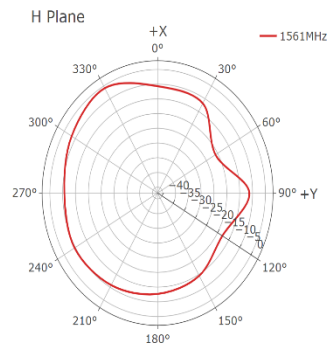
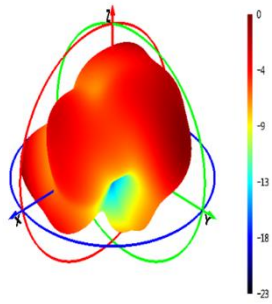




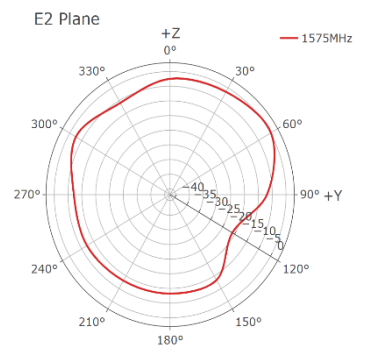
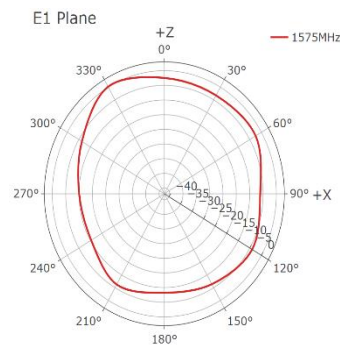
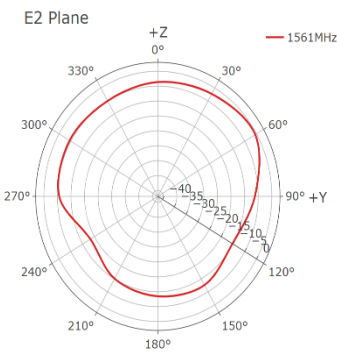
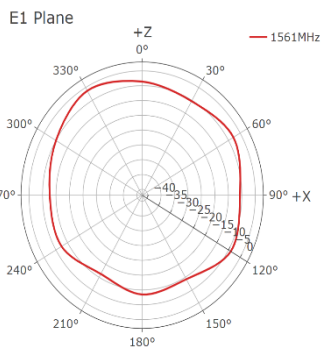
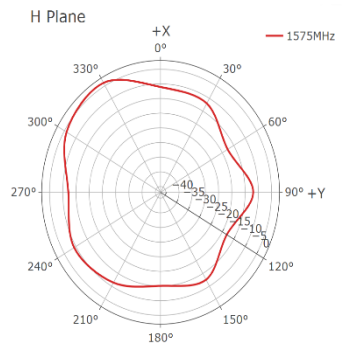
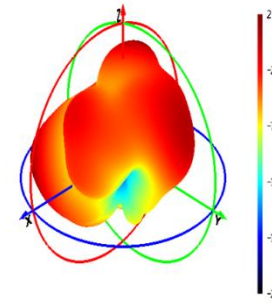


● **GNSS**

1561 MHz

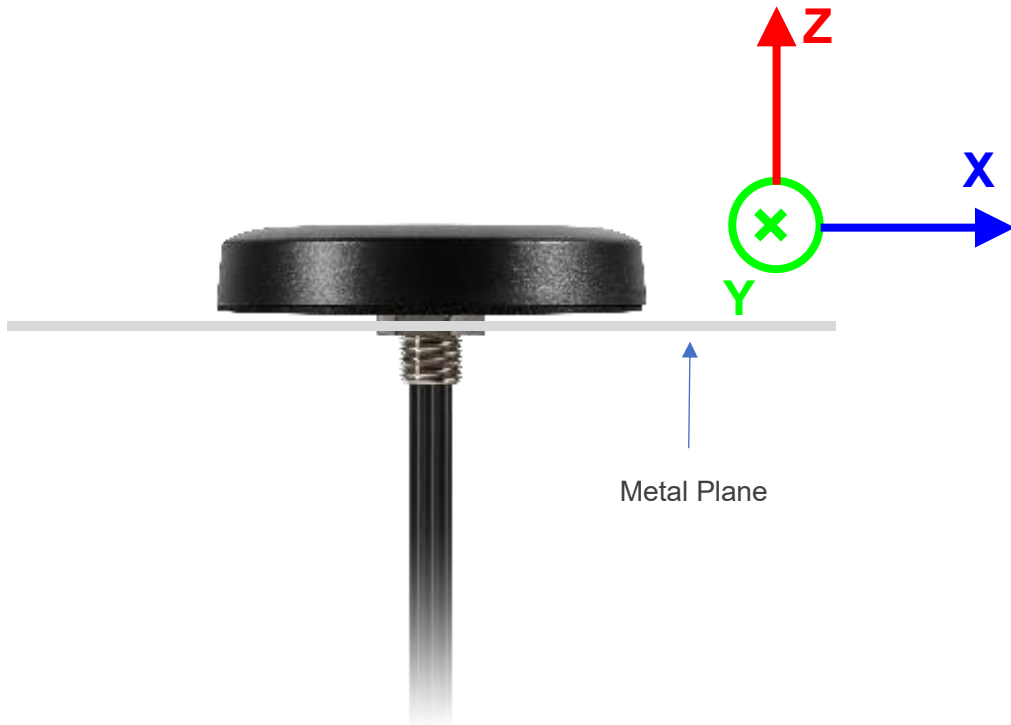


1575 MHz

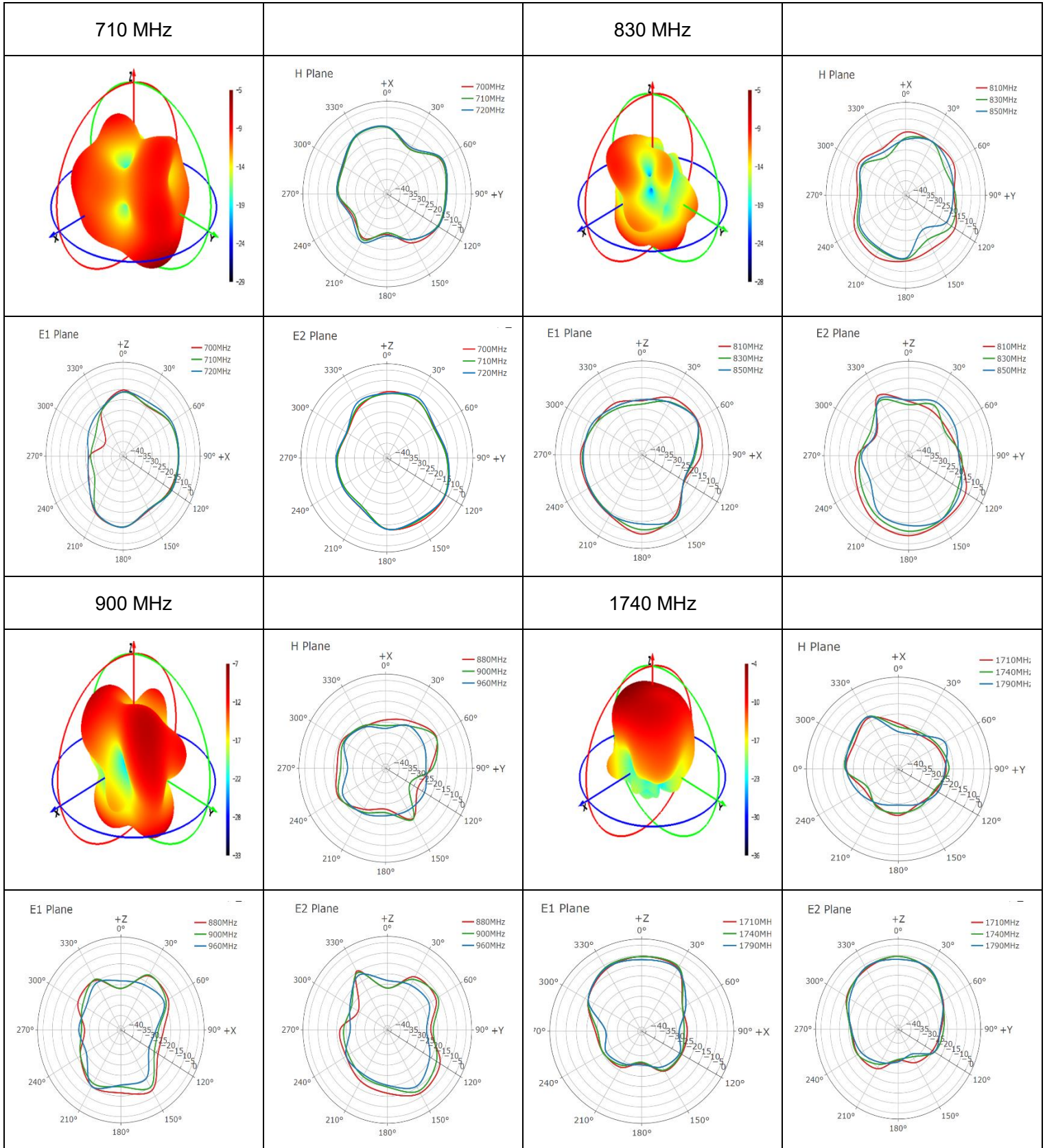


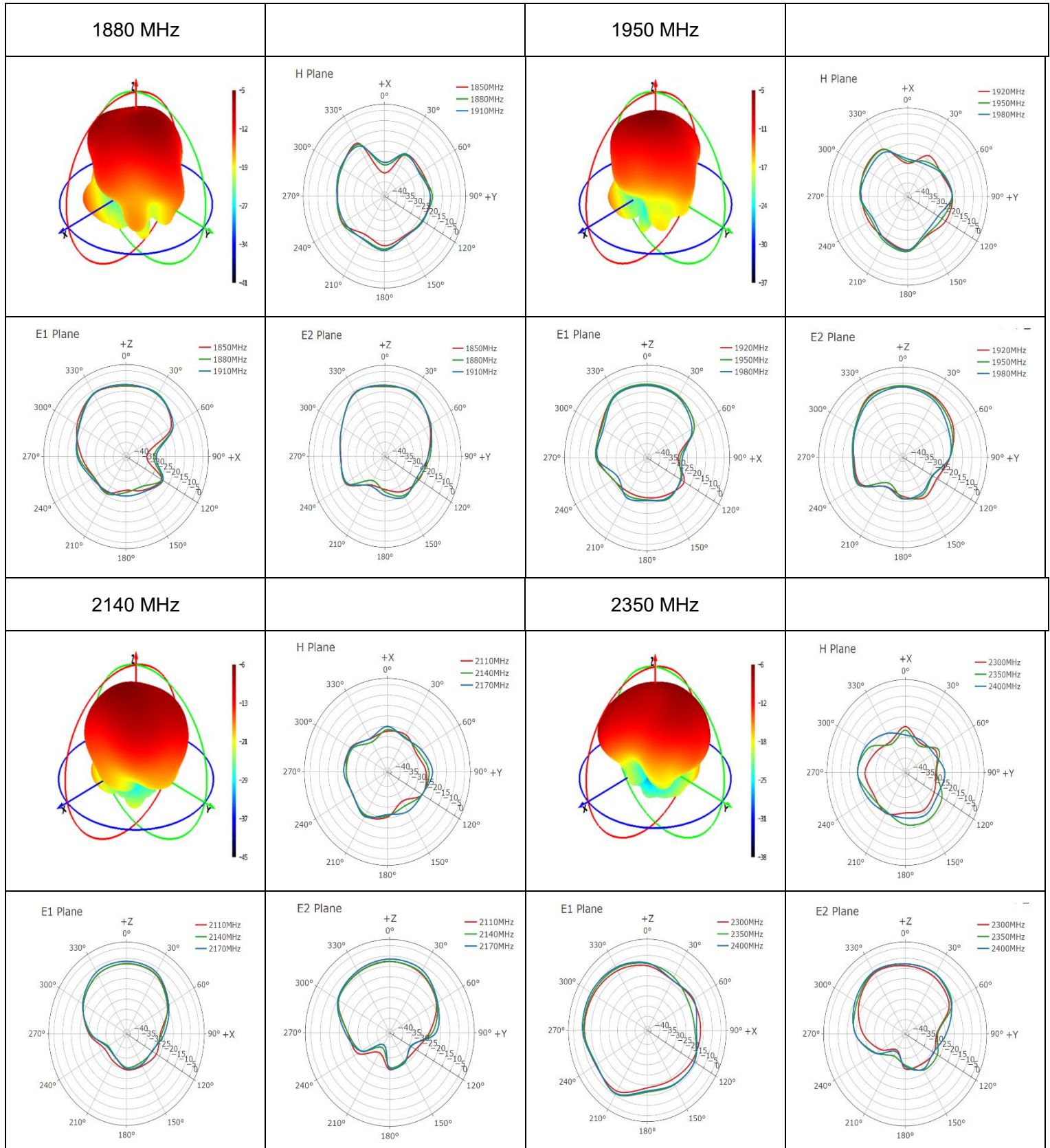
3.2.6.2. Test Status: On 300 mm × 300 mm Metal Plane

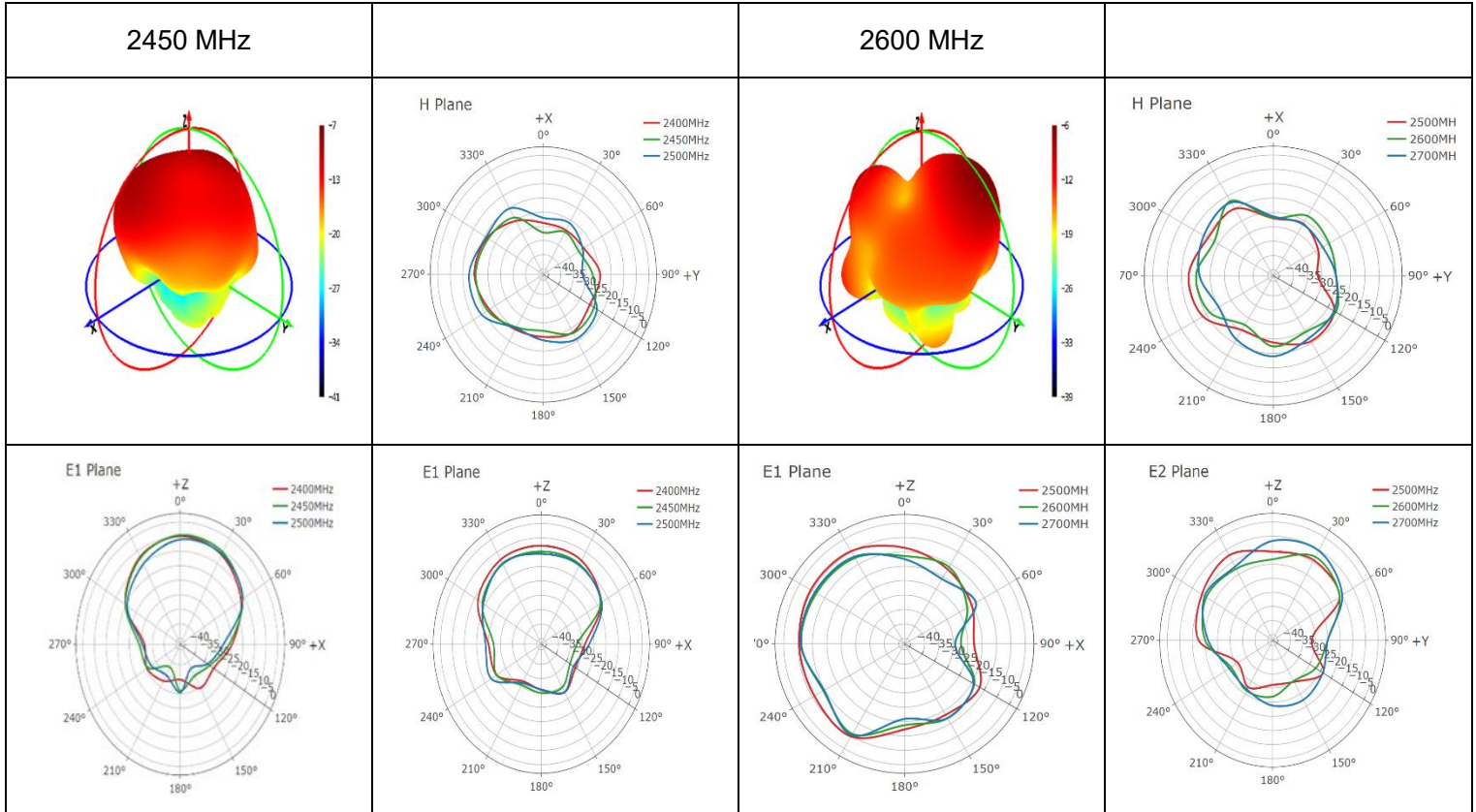
- Test Chamber: GL-S-1



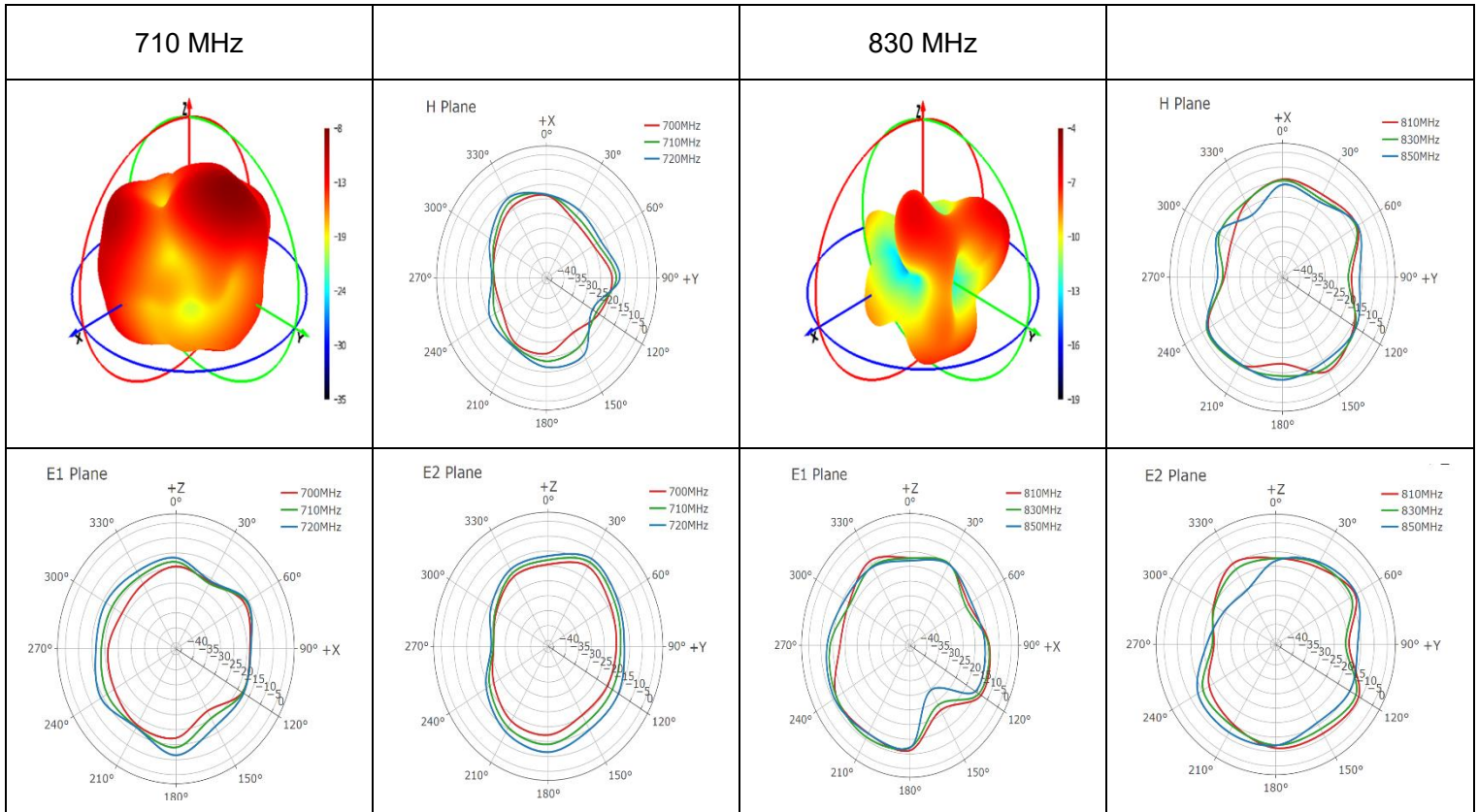
● **4G**



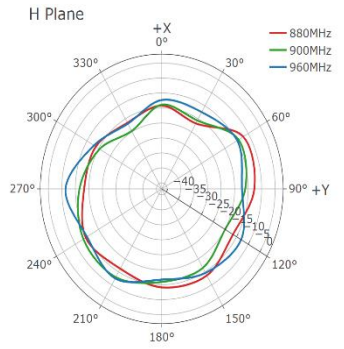
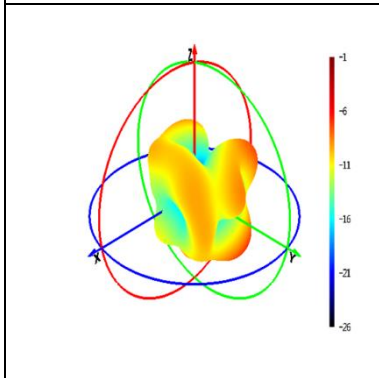




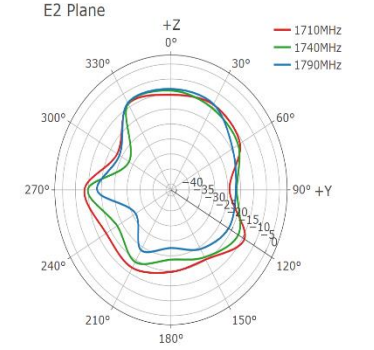
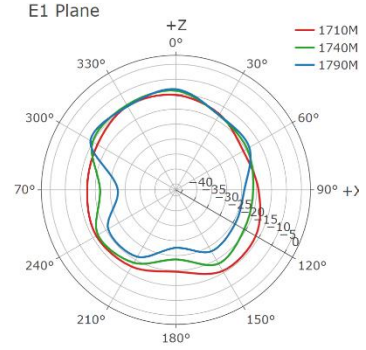
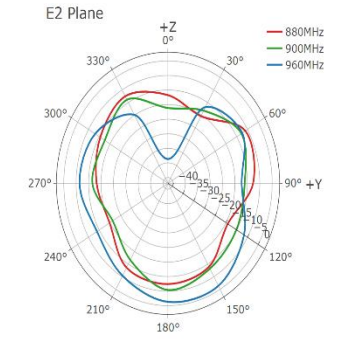
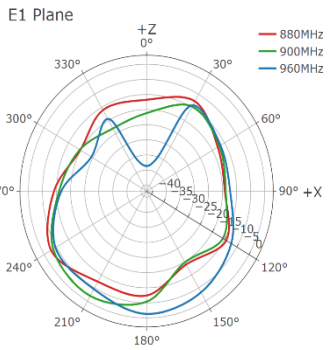
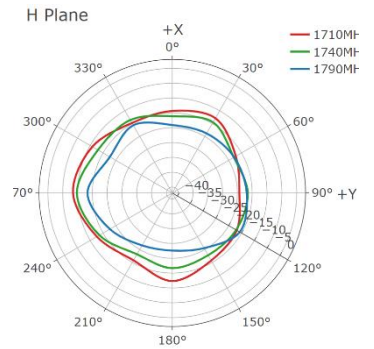
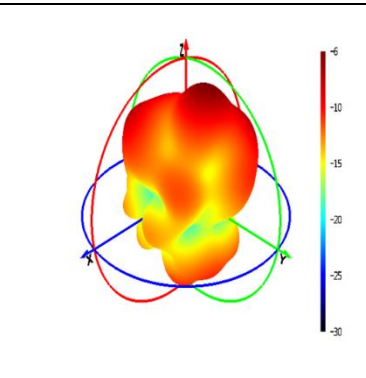
● **4G DIV**



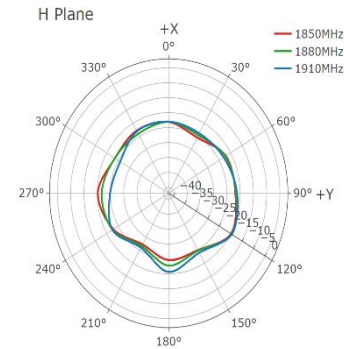
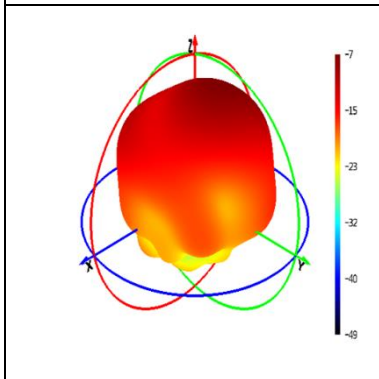
900 MHz



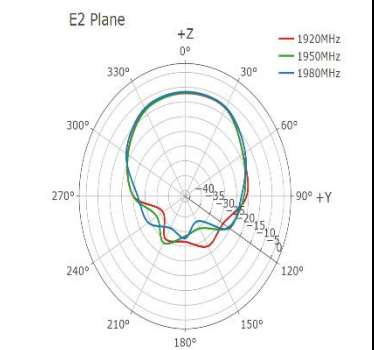
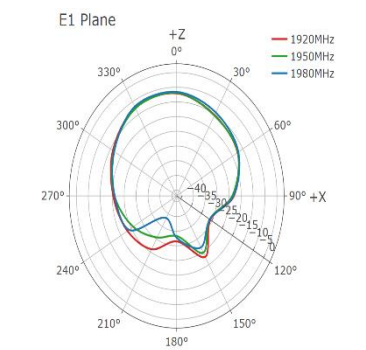
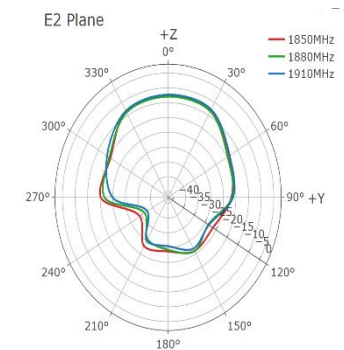
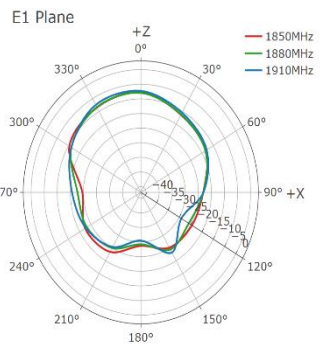
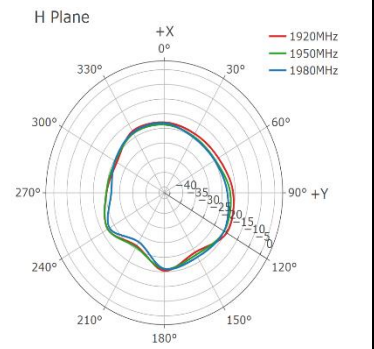
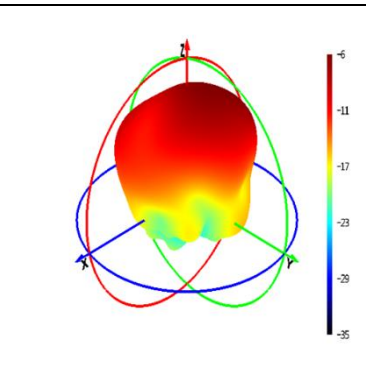
1740 MHz

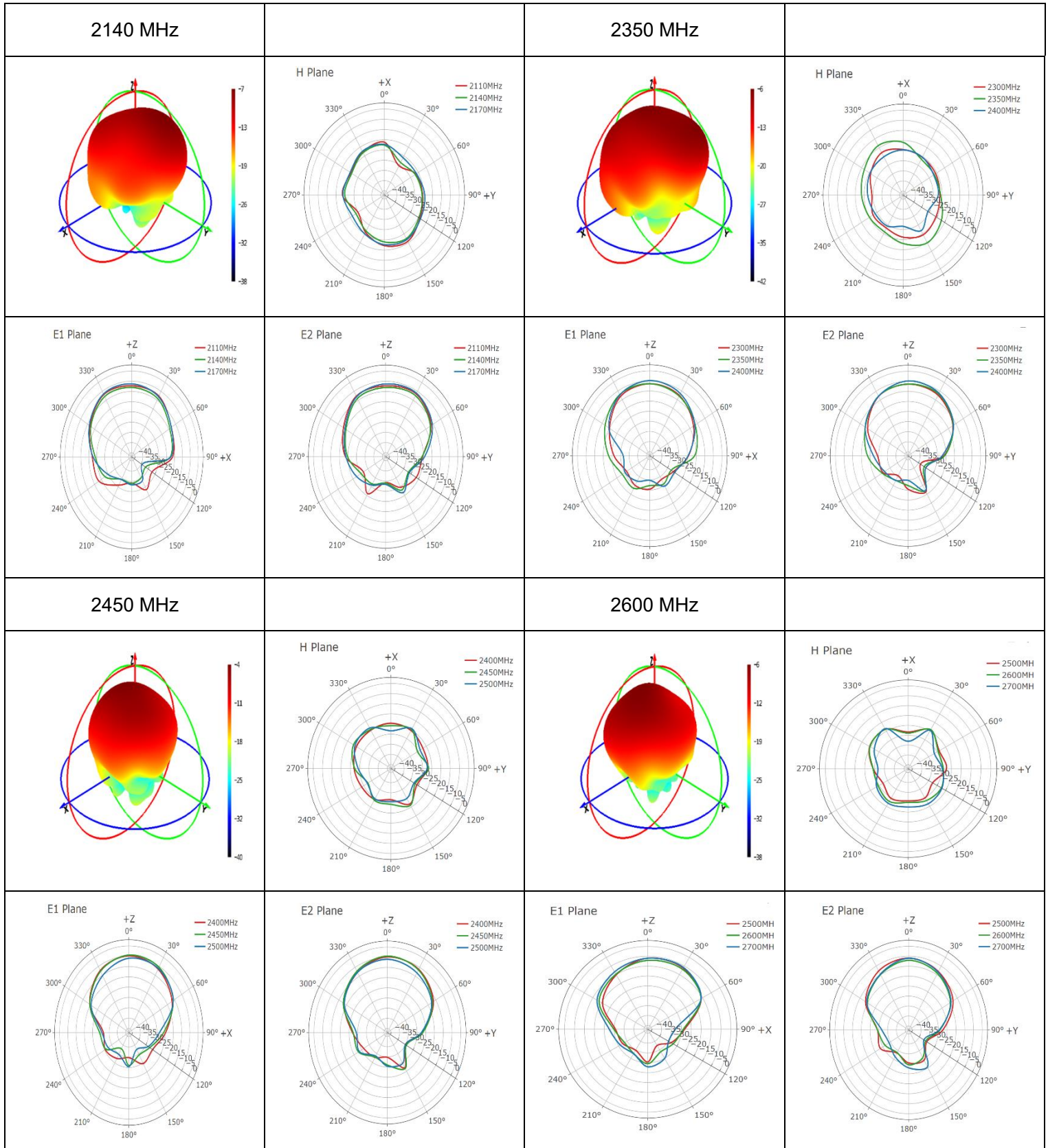


1880 MHz



1950 MHz

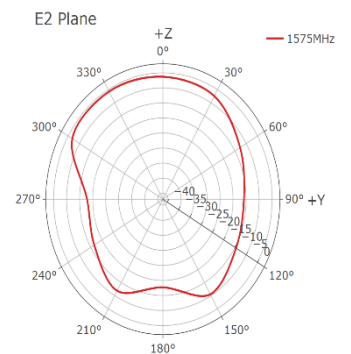
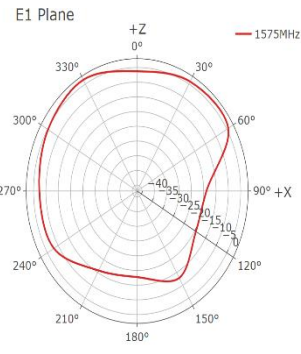
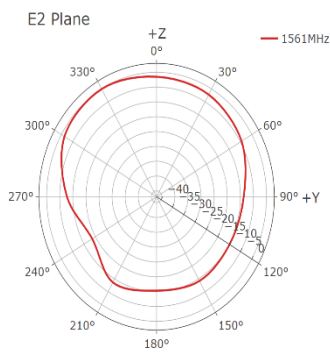
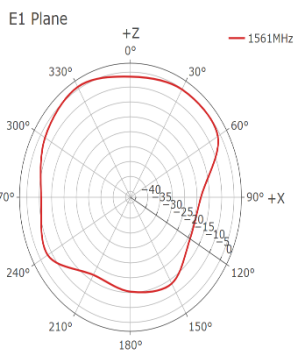
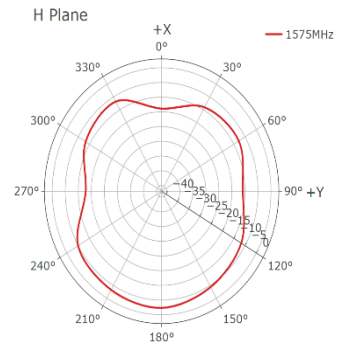
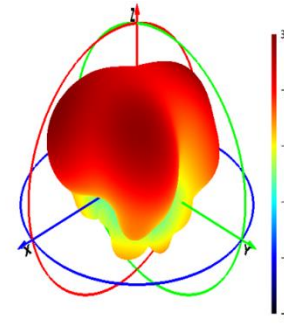
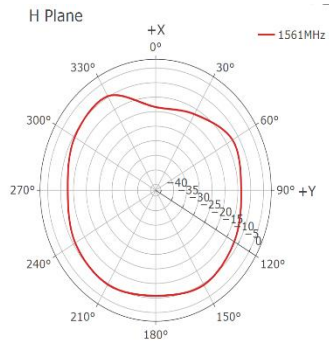
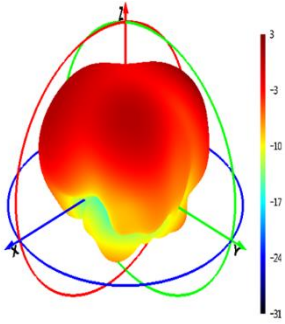







● **GNSS**

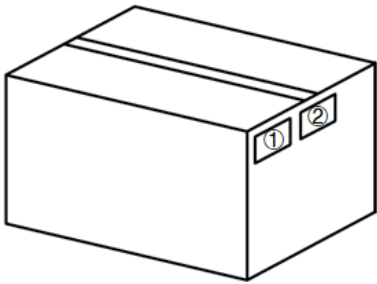
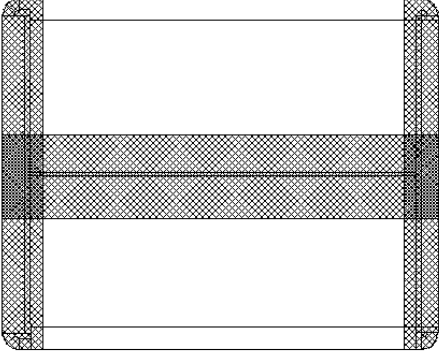
1561 MHz

1575 MHz

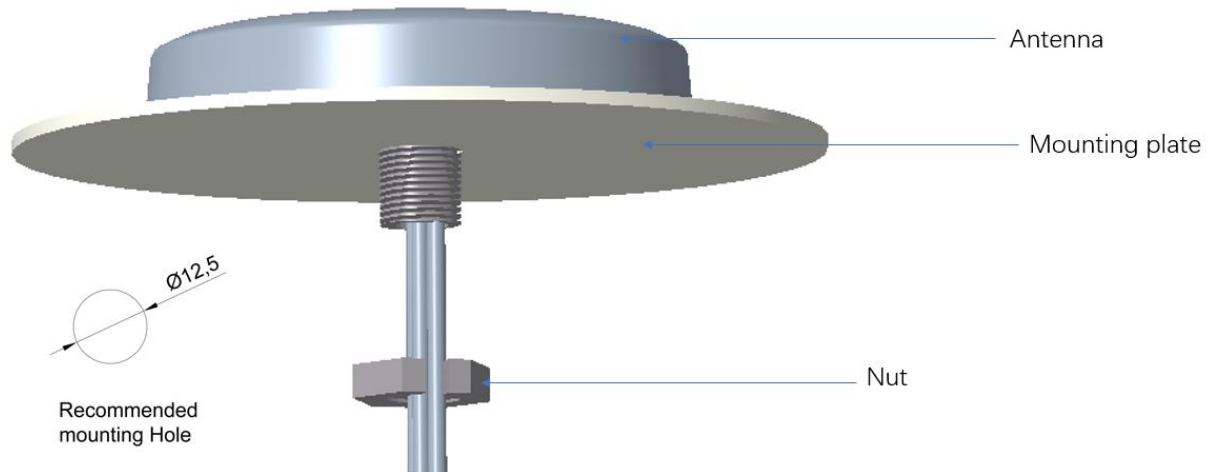


4 Packaging

Step	Packaging Picture / 2D Picture	Description
1		<p>1 antenna product in a small PE bag. (1 Antenna / Small PE Bag)</p>
2		<p>12 antenna products in a big PE bag. (12 Antennas / Big PE Bag)</p>
3		<p>(8 Big PE Bags / Carton Box) (96 Antennas / Carton Box)</p> <p><u>Carton Size:</u> <u>L x W x H = 470 x 310 x 310 mm</u></p>

<p>4</p>		<p>Position for Attaching Labels</p> <ul style="list-style-type: none"> ① Carton Label ② Quality Label
<p>5</p>		<p>Sealing Cartons H-shaped sealing cartons</p>
<p>Note</p>	<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>	

5 Installation



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:

Quectel Wireless Solutions Co., Ltd.

No. 8 Waipojing Road, Sijing Town, Songjiang District, Shanghai 201601, China

Tel: +86 21 5108 6236

Email: info@quectel.com

Or our local offices. For more information, please visit:

<https://www.quectel.com/contact/>.

For technical support, or to report documentation errors, please visit:

<https://www.quectel.com/tech-support/>.

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Revision History

Version	Date	Author	Note
-	2020-09-11	Kenny Yin	Creation of the document
1.0	2020-09-11	Kenny Yin	First official release
1.1	2021-01-18	Kenny Yin	Updated the antenna image (Chapter 2).
2.0	2021-04-02	Kenny Yin	Updated the data in Product Specifications and the test data in the datasheet.
3.0	2021-07-25	Kenny Yin	Updated all test data in this datasheet.
3.1	2021-12-03	Kenny Yin	Updated the product description (Chapter 1).
3.2	2021-12-08	Aria Chu	Updated the data for product specifications (Chapter 3).
4.0	2023-06-20	Mikael Zhong/ Lucky Feng/ David Liu/ Bunny Zhang	Updated new template and all test data.
4.1	2025-01-10	Allow Xu	Updated the packaging (Chapter 4).
4.2	2025-07-07	Lucky Feng/ Rainey Liao	<ol style="list-style-type: none"> Updated the antenna image (Cover page). Added antenna installation instructions (Chapter 5).
4.3	2025-09-15	Blake Xiang	<ol style="list-style-type: none"> Updated the antenna dimensions and added the REACH compliance (Cover page and Chapter 1.2). Updated the casing material (Chapter 1.2). Updated the drawing (Chapter 2).
4.4	2025-12-22	Blake Xiang / Rainey Liao	<ol style="list-style-type: none"> Updated the antenna dimensions and removed the REACH compliance (Cover page and Chapter 1.2). Updated the overview. Updated the casing material (Chapter 1.2). Updated the drawing (Chapter 2).

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