



WHA YU INDUSTRIAL CO., LTD.(HEAD OFFICE)

DONGGUAN AEON TECH CO.,LTD.(CHINA)

SPECIFICATION FOR APPROVAL

CUSTOMER: 台達電

PART NAME: RF Antenna Assembly

RoHS Compliant

PART NO.:

REVISION:

W. Y. P/NO.: C393-510406-A (SRF2025637)

REV.: X4

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
APPROVED BY :	 	
DATE :		

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Contents

<i>Item</i>	<i>Description</i>	<i>Page</i>
1.	規格表	 1~12
2.	成品圖	 13~14
3.	測試報告	 15~42
4.	材質特性/UL	 43~208
5.	樣品檢驗記錄表	 209
6.	RoHS 測試報告	 210~566
7.	RoHS 排外條款	 567
8.	附档 &Hi-Pot	 568~573
9.	可靠度報告	 574~580

RF Antenna Assembly

Specification

1. Electrical Properties : With housing/With Cable loss(Ant.1-DB1)

- 1.1 Frequency Range.....2.4 ~ 2.5 , 5.15~5.85 GHz
- 1.2 Impedance 50Ω Nominal
- 1.3 VSWR 1.92 : 1 Max.
- 1.4 Return Loss..... 10 dB Min.
- 1.5 Radiation Omni-directional
- 1.6 Peak Gain..... 2.4 ~ 2.5GHz < 4.08dBi
5.15~5.85GHz <7.08dBi
- 1.7 Cable Loss.....0.38 dB Max. @2.4 ~ 2.5GHz
0.56 dB Max. @5.15~5.85GHz
- 1.8 Polarization..... Linear
- 1.9 Cable..... 1.13 Coaxial Cable
- 1.10 Connector..... I-PEX MHF Connector

2. Physical Properties :

- 2.1 Operating Temp.-10°C ~ +60°C
- 2.2 Storage Temp. -10°C ~ +70°C

RF Antenna Assembly

Specification

1. Electrical Properties : With housing/With Cable loss(Ant.2-DB2)

- 1.1 Frequency Range..... 2.4 ~ 2.5 , 5.15~5.85 GHz
- 1.2 Impedance 50Ω Nominal
- 1.3 VSWR 1.92 : 1 Max.
- 1.4 Return Loss..... 10 dB Min.
- 1.5 Radiation Omni-directional
- 1.6 Peak Gain..... 2.4 ~ 2.5GHz < 4.49dBi
5.15~5.85GHz <7.01dBi
- 1.7 Cable Loss..... 0.93 dB Max. @2.4 ~ 2.5GHz
1.38 dB Max. @5.15~5.85GHz
- 1.8 Polarization..... Linear
- 1.9 Cable..... 1.13 Coaxial Cable
- 1.10 Connector..... I-PEX MHF Connector

2. Physical Properties :

- 2.1 Operating Temp. -10°C ~ +60°C
- 2.2 Storage Temp. -10°C ~ +70°C

RF Antenna Assembly

Specification

1. Electrical Properties : With housing/With Cable loss(Ant.3-5G3)

- 1.1 Frequency Range..... 5.15~5.85 GHz
- 1.2 Impedance 50Ω Nominal
- 1.3 VSWR 1.92 : 1 Max.
- 1.4 Return Loss..... 10 dB Min.
- 1.5 Radiation Omni-directional
- 1.6 Peak Gain..... <6.91dBi
- 1.7 Cable Loss..... 0.61 dB Max.
- 1.8 Polarization..... Linear
- 1.9 Cable..... 1.13 Coaxial Cable
- 1.10 Connector..... I-PEX MHF Connector

2. Physical Properties :

- 2.1 Operating Temp. -10℃ ~ +60℃
- 2.2 Storage Temp. -10℃ ~ +70℃

RF Antenna Assembly

Specification

1. Electrical Properties : With housing/With Cable loss(Ant.4-5G4)

- 1.1 Frequency Range..... 5.15~5.85 GHz
- 1.2 Impedance 50Ω Nominal
- 1.3 VSWR 1.92 : 1 Max.
- 1.4 Return Loss..... 10 dB Min.
- 1.5 Radiation Omni-directional
- 1.6 Peak Gain..... <6.56dBi
- 1.7 Cable Loss..... 1.70 dB Max.
- 1.8 Polarization..... Linear
- 1.9 Cable..... 1.13 Coaxial Cable
- 1.10 Connector..... I-PEX MHF Connector

2. Physical Properties :

- 2.1 Operating Temp. -10℃ ~ +60℃
- 2.2 Storage Temp. -10℃ ~ +70℃

RF Antenna Assembly

Specification

1. Electrical Properties : With housing/With Cable loss(Ant.5-6G5)

- 1.1 Frequency Range..... 5.925~7.125 GHz
- 1.2 Impedance 50Ω Nominal
- 1.3 VSWR 1.92 : 1 Max.
- 1.4 Return Loss..... 10 dB Min.
- 1.5 Radiation Omni-directional
- 1.6 Peak Gain..... <4.49dBi
- 1.7 Cable Loss..... 0.93dB Max.
- 1.8 Polarization..... Linear
- 1.9 Cable..... 1.13 Coaxial Cable
- 1.10 Connector..... I-PEX MHF Connector

2. Physical Properties :

- 2.1 Operating Temp. -10°C ~ +60°C
- 2.2 Storage Temp. -10°C ~ +70°C

RF Antenna Assembly

Specification

1. Electrical Properties : With housing/With Cable loss(Ant.6-6G6)

- 1.1 Frequency Range..... 5.925~7.125 GHz
- 1.2 Impedance 50Ω Nominal
- 1.3 VSWR 1.92 : 1 Max.
- 1.4 Return Loss..... 10 dB Min.
- 1.5 Radiation Omni-directional
- 1.6 Peak Gain..... <4.63dBi
- 1.7 Cable Loss..... 1.11dB Max.
- 1.8 Polarization..... Linear
- 1.9 Cable..... 1.13 Coaxial Cable
- 1.10 Connector..... I-PEX MHF Connector

2. Physical Properties :

- 2.1 Operating Temp. -10℃ ~ +60℃
- 2.2 Storage Temp. -10℃ ~ +70℃

RF Antenna Assembly

Specification

1. Electrical Properties : With housing/With Cable loss(Ant.7-6G7)

- 1.1 Frequency Range..... 5.925~7.125 GHz
- 1.2 Impedance 50Ω Nominal
- 1.3 VSWR 1.92 : 1 Max.
- 1.4 Return Loss..... 10 dB Min.
- 1.5 Radiation Omni-directional
- 1.6 Peak Gain..... <4.94dBi
- 1.7 Cable Loss..... 0.71dB Max.
- 1.8 Polarization..... Linear
- 1.9 Cable..... 1.13 Coaxial Cable
- 1.10 Connector..... I-PEX MHF Connector

2. Physical Properties :

- 2.1 Operating Temp. -10°C ~ +60°C
- 2.2 Storage Temp. -10°C ~ +70°C

RF Antenna Assembly

Specification

1. Electrical Properties : With housing/With Cable loss(Ant.8-6G8)

- 1.1 Frequency Range..... 5.925~7.125 GHz
- 1.2 Impedance 50Ω Nominal
- 1.3 VSWR 1.92 : 1 Max.
- 1.4 Return Loss..... 10 dB Min.
- 1.5 Radiation Omni-directional
- 1.6 Peak Gain..... <4.69 dBi
- 1.7 Cable Loss..... 0.57dB Max.
- 1.8 Polarization..... Linear
- 1.9 Cable..... 1.13 Coaxial Cable
- 1.10 Connector..... I-PEX MHF Connector

2. Physical Properties :

- 2.1 Operating Temp. -10°C ~ +60°C
- 2.2 Storage Temp. -10°C ~ +70°C

RF Antenna Assembly

Specification

1. Electrical Properties : With housing/With Cable loss(Ant.9-TB9)

1.1 Frequency Range..... 2.4 ~ 2.5 , 5.15~5.85 , 5.925~7.125GHz

1.2 Impedance 50Ω Nominal

1.3 VSWR 1.92 : 1 Max.

1.4 Return Loss..... 10 dB Min.

1.5 Radiation Omni-directional

1.6 Peak Gain..... 2.4 ~ 2.5GHz < 5.21dBi

5.15~5.85GHz <5.27dBi

5.925~7.125GHz <6.54dBi

1.7 Cable Loss..... 0.60 dB Max. @2.4 ~ 2.5GHz

0.89 dB Max. @5.15~5.85GHz

1.03 dB Max. @5.925~7.125GHz

1.8 Polarization..... Linear

1.9 Cable..... 1.13 Coaxial Cable

1.10 Connector..... I-PEX MHF Connector

2. Physical Properties :

2.1 Operating Temp. -10°C ~ +60°C

2.2 Storage Temp. -10°C ~ +70°C

RF Antenna Assembly

Specification

1. Electrical Properties : With housing/With Cable loss(Ant.10-TB10)

1.1 Frequency Range..... 2.4 ~ 2.5 , 5.15~5.85 , 5.925~7.125GHz

1.2 Impedance 50Ω Nominal

1.3 VSWR 1.92 : 1 Max.

1.4 Return Loss..... 10 dB Min.

1.5 Radiation Omni-directional

1.6 Peak Gain..... 2.4 ~ 2.5GHz < 4.81dBi

5.15~5.85GHz <6.02dBi

5.925~7.125GHz <6.49dBi

1.7 Cable Loss..... 0.64 dB Max. @2.4 ~ 2.5GHz

0.96 dB Max. @5.15~5.85GHz

1.10 dB Max. @5.925~7.125GHz

1.8 Polarization..... Linear

1.9 Cable..... 1.13 Coaxial Cable

1.10 Connector..... I-PEX MHF Connector

2. Physical Properties :

2.1 Operating Temp. -10°C ~ +60°C

2.2 Storage Temp. -10°C ~ +70°C

RF Antenna Assembly

Specification

1. Electrical Properties : With housing/With Cable loss(Ant.11-GPS)

- 1.1 Frequency Range..... 1.176GHz, 1.575GHz
- 1.2 Impedance 50Ω Nominal
- 1.3 VSWR 1.92 : 1 Max.
- 1.4 Return Loss..... 10 dB Min.
- 1.5 Radiation Omni-directional
- 1.6 Peak Gain..... 1.176 GHz < 2.48dBi
1.575GHz <3.69dBi
- 1.7 Cable Loss..... 0.91 dB Max.
- 1.8 Polarization..... Linear
- 1.9 Cable..... 1.13 Coaxial Cable
- 1.10 Connector..... I-PEX MHF Connector

2. Physical Properties :

- 2.1 Operating Temp. -10°C ~ +60°C
- 2.2 Storage Temp. -10°C ~ +70°C

RF Antenna Assembly

Specification

1. Electrical Properties : With housing/With Cable loss(Ant.12-BT)

- 1.1 Frequency Range..... 2.4~2.5 GHz
- 1.2 Impedance 50Ω Nominal
- 1.3 VSWR 1.92 : 1 Max.
- 1.4 Return Loss..... 10 dB Min.
- 1.5 Radiation Omni-directional
- 1.6 Peak Gain..... <5.09dBi
- 1.7 Cable Loss..... 0.81 dB Max.
- 1.8 Polarization..... Linear
- 1.9 Cable..... 1.13 Coaxial Cable
- 1.10 Connector..... I-PEX MHF Connector

2. Physical Properties :

- 2.1 Operating Temp. -10℃ ~ +60℃
- 2.2 Storage Temp. -10℃ ~ +70℃

Alexandria Antenna DVT Report

KEVIN.GK.CHENG

1/2/2026

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Antenna Measurement System Information

- Measurement System: BWant DFF Chamber

- Antenna Efficiency, co.-pol, x-pol, 2D/3D pattern, G/T, GD, phase center, Linear Gain
- Frequency range: 400 MHz – 8.5 GHz
- Chamber Room Size: 3m L x 4m W x 2.5m H
- Software: Bwant 3D Passive

- Calibration Information

Description	Model No.	Serial No.	Calibrated Date	Calibrated Until
Network Analyzer	E5071B	MY42403894	2026/3/13	2027/3/12

Passive Test Procedure

1. Place the device to be tested on the fixture and align it with the center of the chamber.
2. Connect the antenna cable to the RF connector of the chamber.
3. Use the SW to configure parameters (antenna name, frequency points, measurement angles, antenna dimension), and then run the test SW.
4. By phi from 0° to 360° and theta from 0° to 180° with a step size of 3 degrees, get the 3D data, including efficiency, peak gain, 2D and 3D radiation patterns.
5. This is far field test for antenna verification.
6. This is passive measurement, which means the device is off and not in any operating mode.

Directional Gain Result(2.4GHz)

- Summary Result (single antenna)

Individual Antenna Maximum Peak Gain:			
Frequency (MHz)	2400	2450	2500
Ant. 1 (dBi)	3.70	4.01	4.08
Polarization	H+V	H+V	H+V
Axis: Theta(°)	75	45	57
Axis: Phi(°)	0	60	249
Ant. 2 (dBi)	3.53	4.49	3.54
Polarization	H+V	H+V	H+V
Axis: Theta(°)	51	42	48
Axis: Phi(°)	15	15	0
Ant. 9 (dBi)	3.97	4.72	5.21
Polarization	H+V	H+V	H+V
Axis: Theta(°)	75	63	54
Axis: Phi(°)	123	198	207
Ant. 10 (dBi)	4.72	4.50	4.81
Polarization	H+V	H+V	H+V
Axis: Theta(°)	51	54	51
Axis: Phi(°)	81	66	60

Directional Gain Result(5GHz)

- Summary Result (single antenna)

Individual Antenna Maximum Peak Gain:						
Frequency (MHz)	5150	5250	5350	5550	5600	5850
Ant. 1 (dBi)	6.86	6.92	7.08	6.72	6.58	6.94
Polarization	H+V	H+V	H+V	H+V	H+V	H+V
Axis: Theta(°)	48	48	48	63	60	69
Axis: Phi(°)	234	237	237	240	177	171
Ant. 2 (dBi)	5.88	5.87	6.49	6.60	7.00	7.01
Polarization	H+V	H+V	H+V	H+V	H+V	H+V
Axis: Theta(°)	60	60	60	63	60	66
Axis: Phi(°)	0	0	330	330	330	336
Ant. 3 (dBi)	5.81	6.18	6.91	6.57	5.83	6.59
Polarization	H+V	H+V	H+V	H+V	H+V	H+V
Axis: Theta(°)	66	60	60	63	66	63
Axis: Phi(°)	60	54	54	51	18	51
Ant. 4 (dBi)	6.14	5.12	6.56	5.47	5.17	6.08
Polarization	H+V	H+V	H+V	H+V	H+V	H+V
Axis: Theta(°)	45	63	72	72	42	60
Axis: Phi(°)	0	138	144	318	318	252

Individual Antenna Maximum Peak Gain:						
Frequency (MHz)	5150	5250	5350	5550	5600	5850
Ant. 9 (dBi)	4.76	4.66	5.20	5.27	4.78	4.86
Polarization	H+V	H+V	H+V	H+V	H+V	H+V
Axis: Theta(°)	36	30	42	48	6	45
Axis: Phi(°)	240	84	111	117	339	117
Ant. 10 (dBi)	6.02	6.01	5.98	5.95	6.00	5.14
Polarization	H+V	H+V	H+V	H+V	H+V	H+V
Axis: Theta(°)	63	60	54	54	51	57
Axis: Phi(°)	270	270	270	264	291	291

Directional Gain Result(6GHz)

- Summary Result (single antenna)

Individual Antenna Maximum Peak Gain:						
Frequency (MHz)	5925	6175	6550	6695	6950	7125
Ant. 5 (dBi)	4.49	4.27	4.18	3.95	3.78	3.82
Polarization	H+V	H+V	H+V	H+V	H+V	H+V
Axis: Theta(°)	75	78	81	81	33	36
Axis: Phi(°)	279	279	276	273	264	264
Ant. 6 (dBi)	4.39	4.30	4.35	4.18	4.63	4.50
Polarization	H+V	H+V	H+V	H+V	H+V	H+V
Axis: Theta(°)	75	42	45	36	33	39
Axis: Phi(°)	192	75	177	138	138	156
Ant. 7 (dBi)	4.28	4.93	4.94	4.76	4.31	4.80
Polarization	H+V	H+V	H+V	H+V	H+V	H+V
Axis: Theta(°)	42	81	78	78	33	33
Axis: Phi(°)	279	225	267	166	309	309
Ant. 8 (dBi)	4.37	4.02	3.80	4.38	4.16	4.69
Polarization	H+V	H+V	H+V	H+V	H+V	H+V
Axis: Theta(°)	75	75	39	39	36	45
Axis: Phi(°)	249	225	267	270	15	120

Individual Antenna Maximum Peak Gain:						
Frequency (MHz)	5925	6175	6550	6695	6950	7125
Ant. 9 (dBi)	5.69	4.82	5.71	5.38	6.01	6.54
Polarization	H+V	H+V	H+V	H+V	H+V	H+V
Axis: Theta(°)	60	12	15	15	9	15
Axis: Phi(°)	327	90	153	51	351	66
Ant. 10 (dBi)	4.70	4.85	4.98	5.18	6.49	6.34
Polarization	H+V	H+V	H+V	H+V	H+V	H+V
Axis: Theta(°)	15	21	6	6	24	21
Axis: Phi(°)	117	90	135	234	210	210

Smarter. Greener. Together.

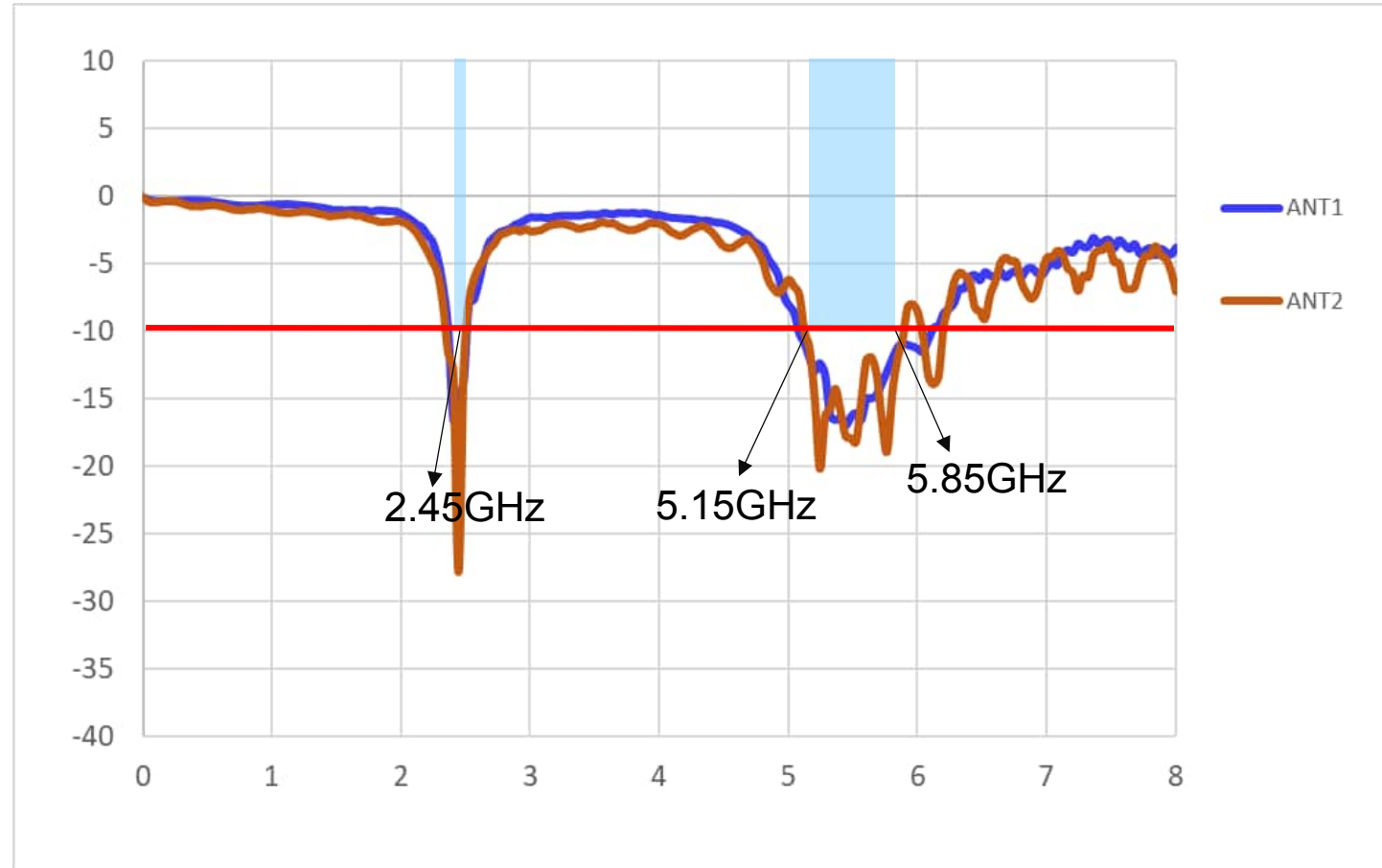
Outline

- **Antenna Placement**
- **Antenna Return Loss**
- **Antenna Isolation**
- **Radiation Pattern**
- **Gain & Efficiency**
- **Summary**

Antenna Placement

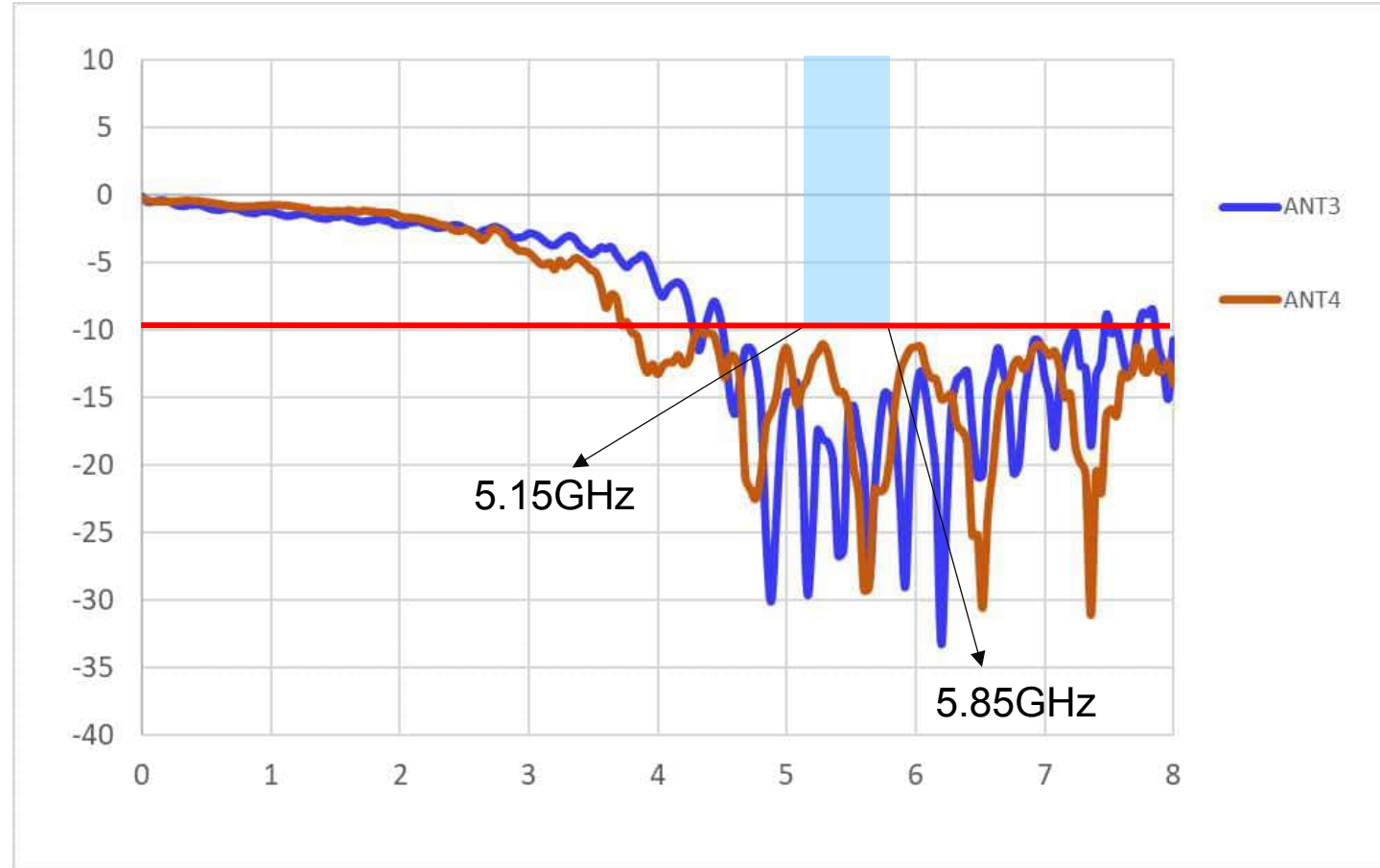
Alexandria	
Antenna	ANT Type
ANT1 (2/5GHz)	PIFA
ANT2 (2/5GHz)	PIFA
ANT3 (5GHz)	PIFA
ANT4 (5GHz)	PIFA
ANT5 (6GHz)	PCB dipole
ANT6 (6GHz)	PCB dipole
ANT7 (6GHz)	PCB dipole
ANT8 (6GHz)	PCB dipole
ANT9 (2/5/6GHz)	PIFA
ANT10 (2/5/6GHz)	PIFA
ANT11 (GPS)	PIFA
ANT12 (BT)	PIFA

Antenna Return Loss (Dual band)



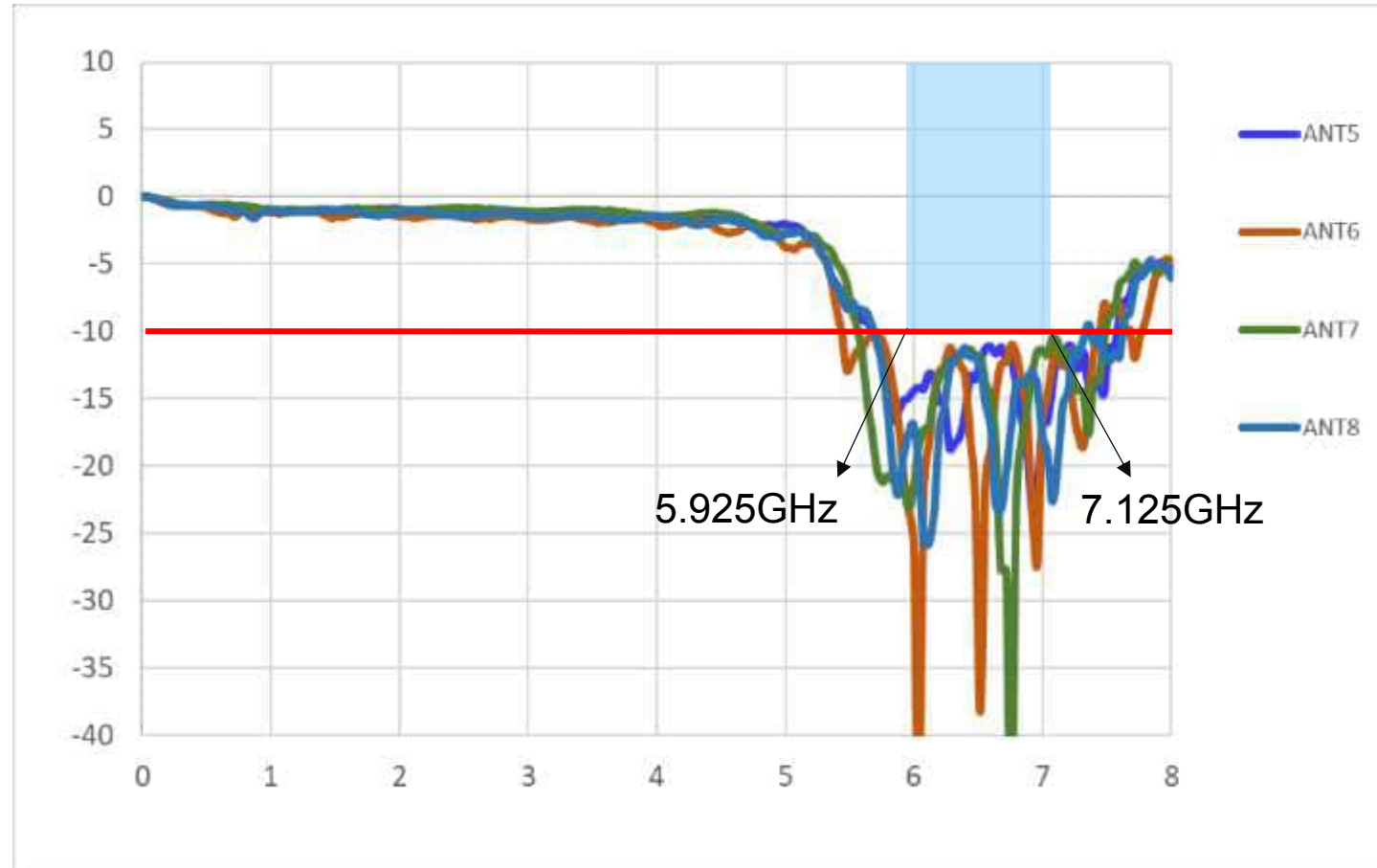
- All antenna return loss can under -10dB.

Antenna Return Loss (5GHz)



- All antenna return loss can under -10dB.

Antenna Return Loss (6GHz)

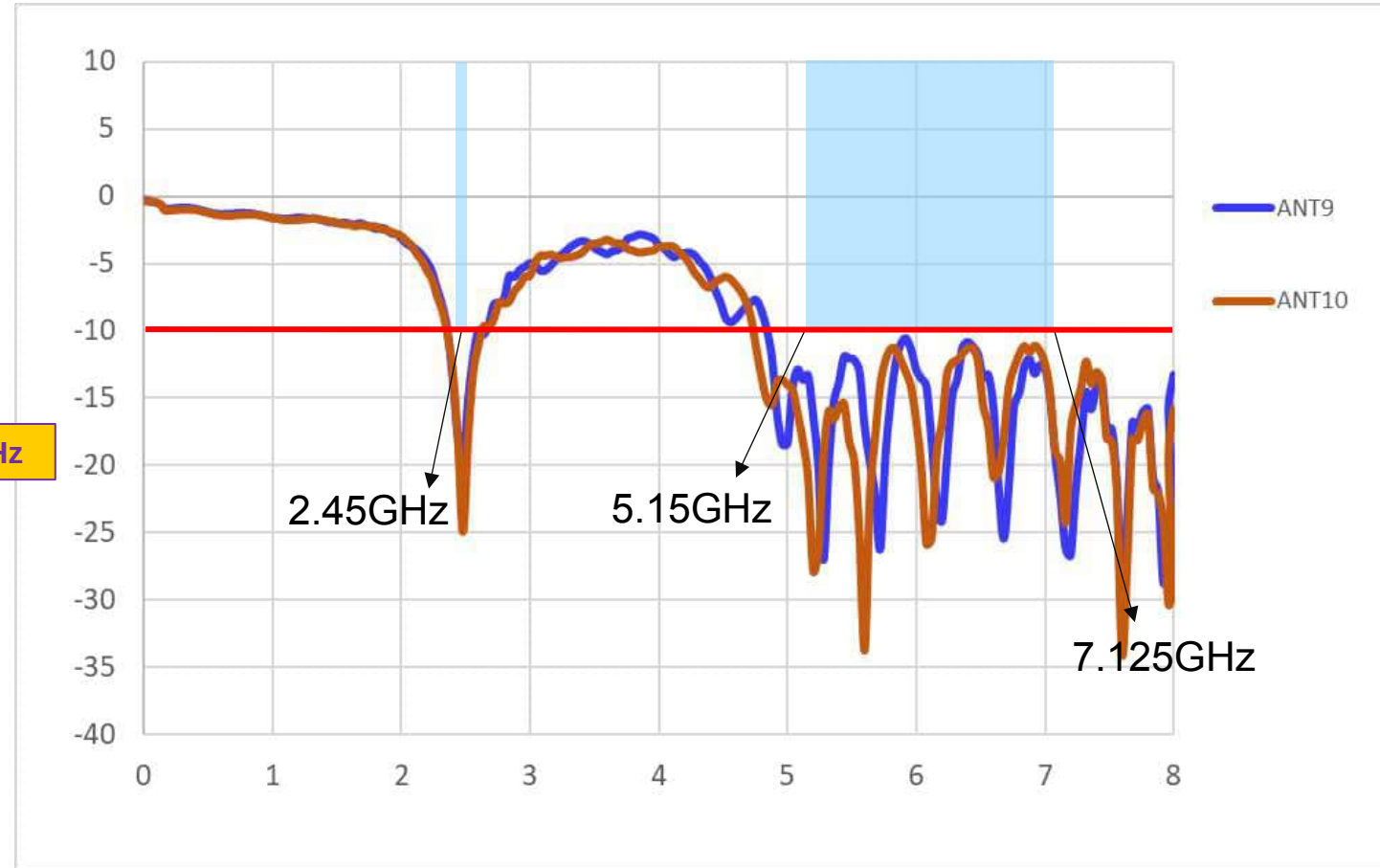


- All antenna return loss can under -10dB.

Antenna Return Loss (Tri-band)

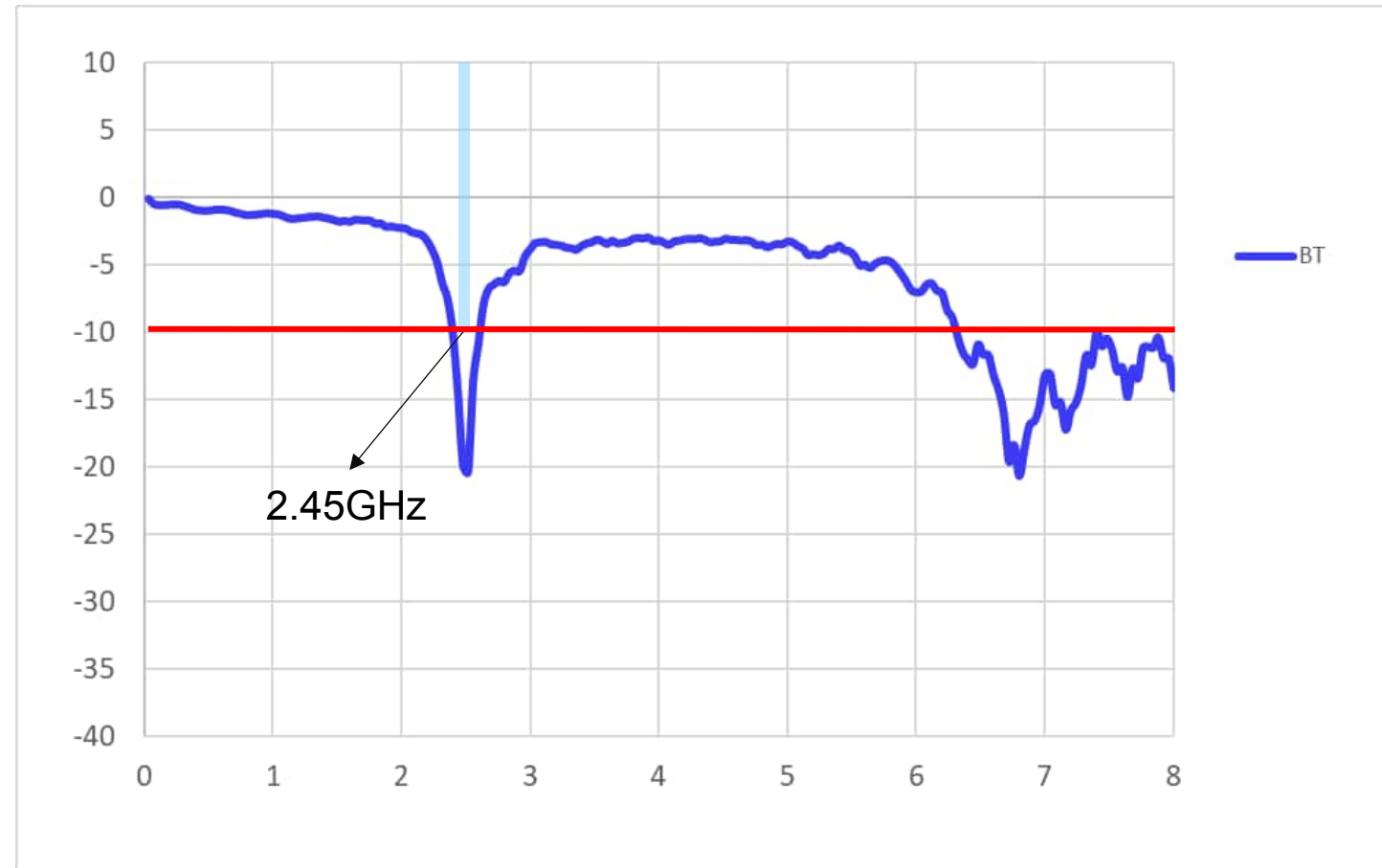
Ant10-2/5/6GHz

Ant9-2/5/6GHz



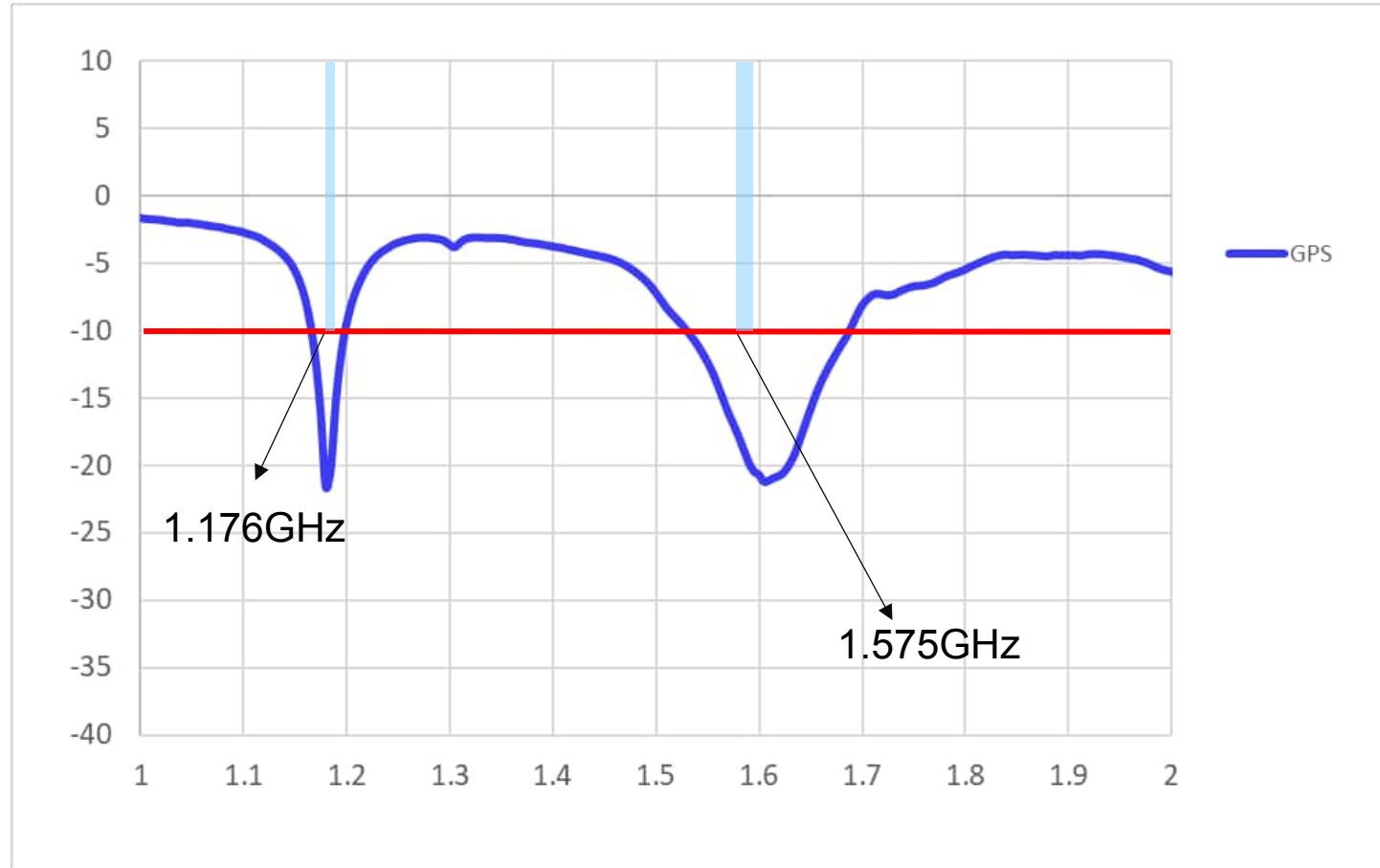
- All antenna return loss can under -10dB.

Antenna Return Loss (BT)



- All antenna return loss can under -10dB.

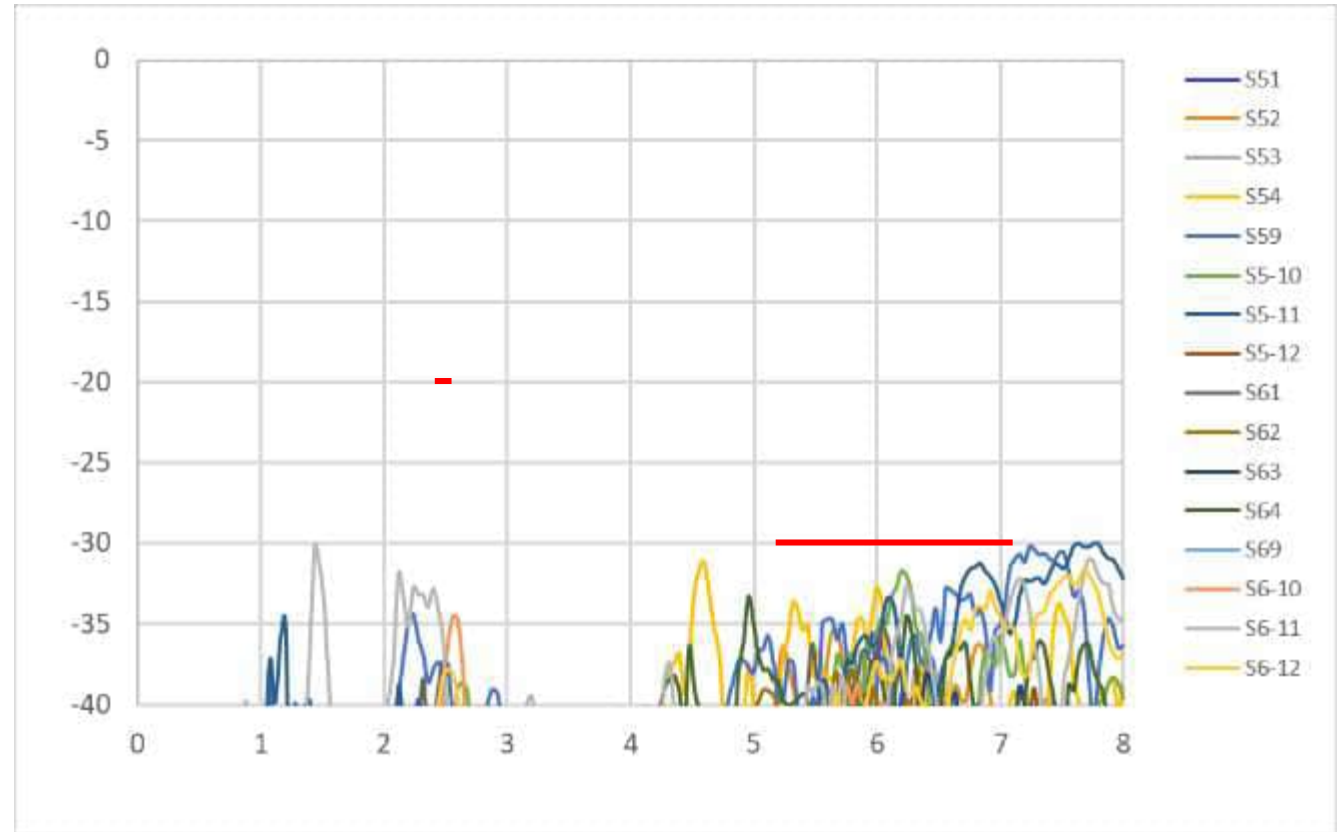
Antenna Return Loss (GPS)



- All antenna return loss can under -10dB.

Antenna Isolation (6GHz vs. Other radio)

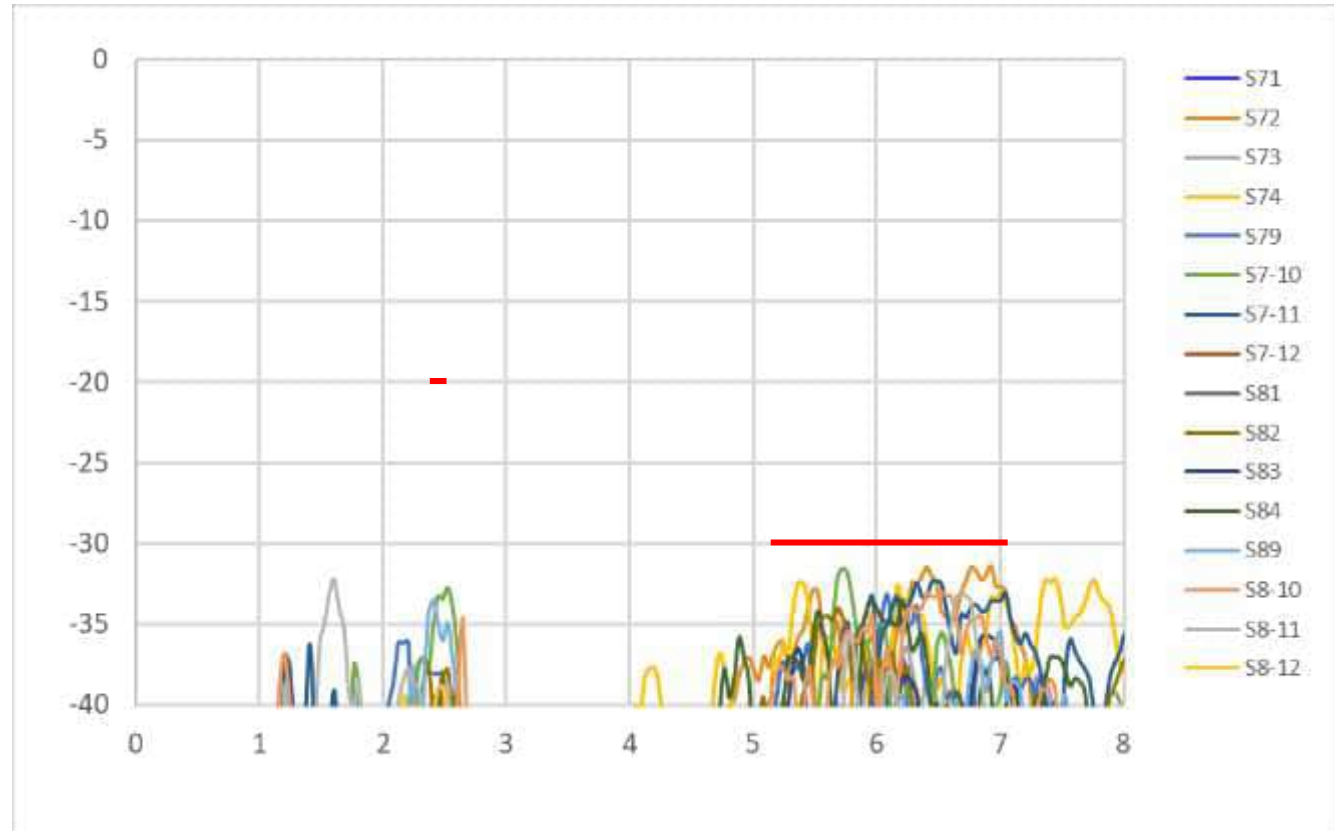
6G cross-band



- 6GHz ant cross band isolation can meet -30dB.(5.925~7.125GHz)

Antenna Isolation (6GHz vs. Other radio)

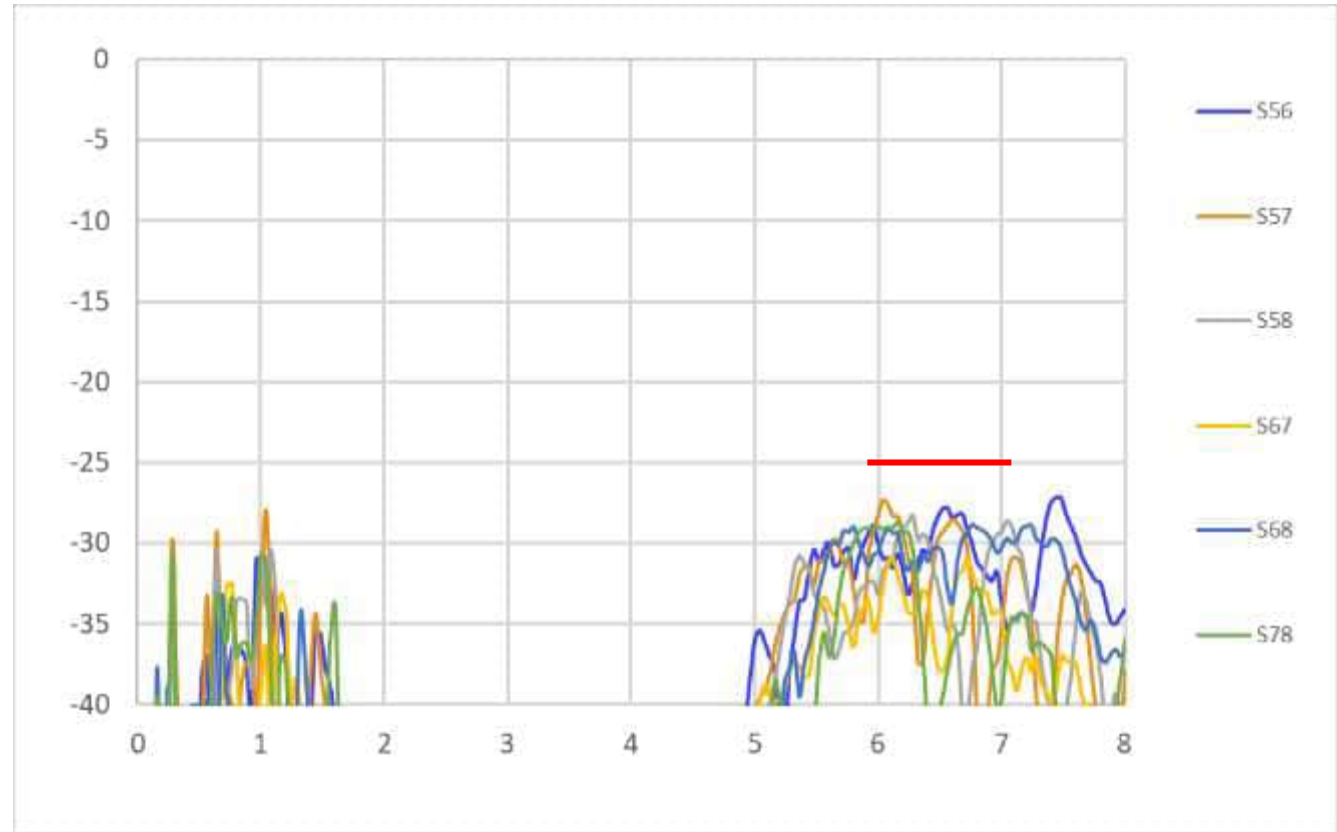
6G cross-band



- 6GHz ant cross band isolation can meet -30dB.(5.925~7.125GHz)

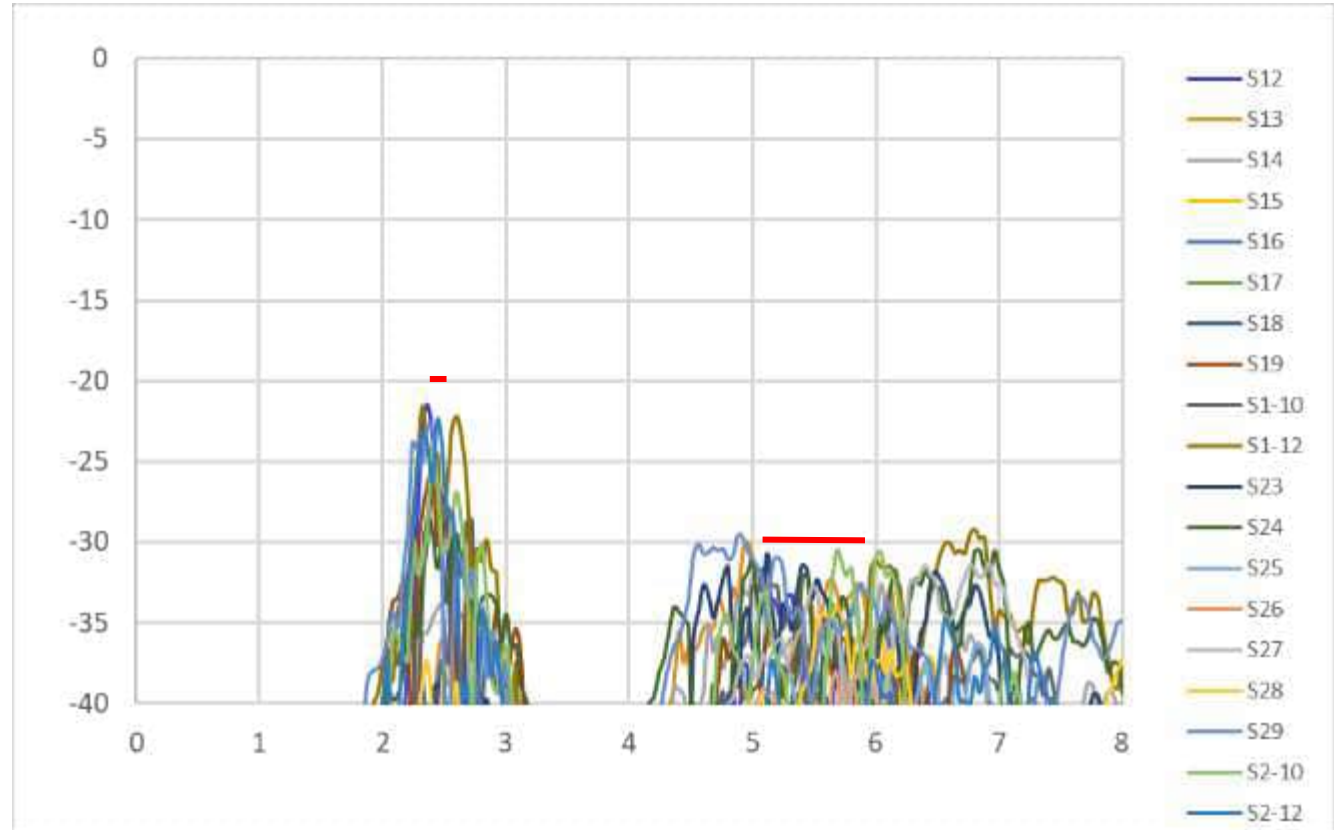
Antenna Isolation (6GHz vs. 6GHz)

6G in-band



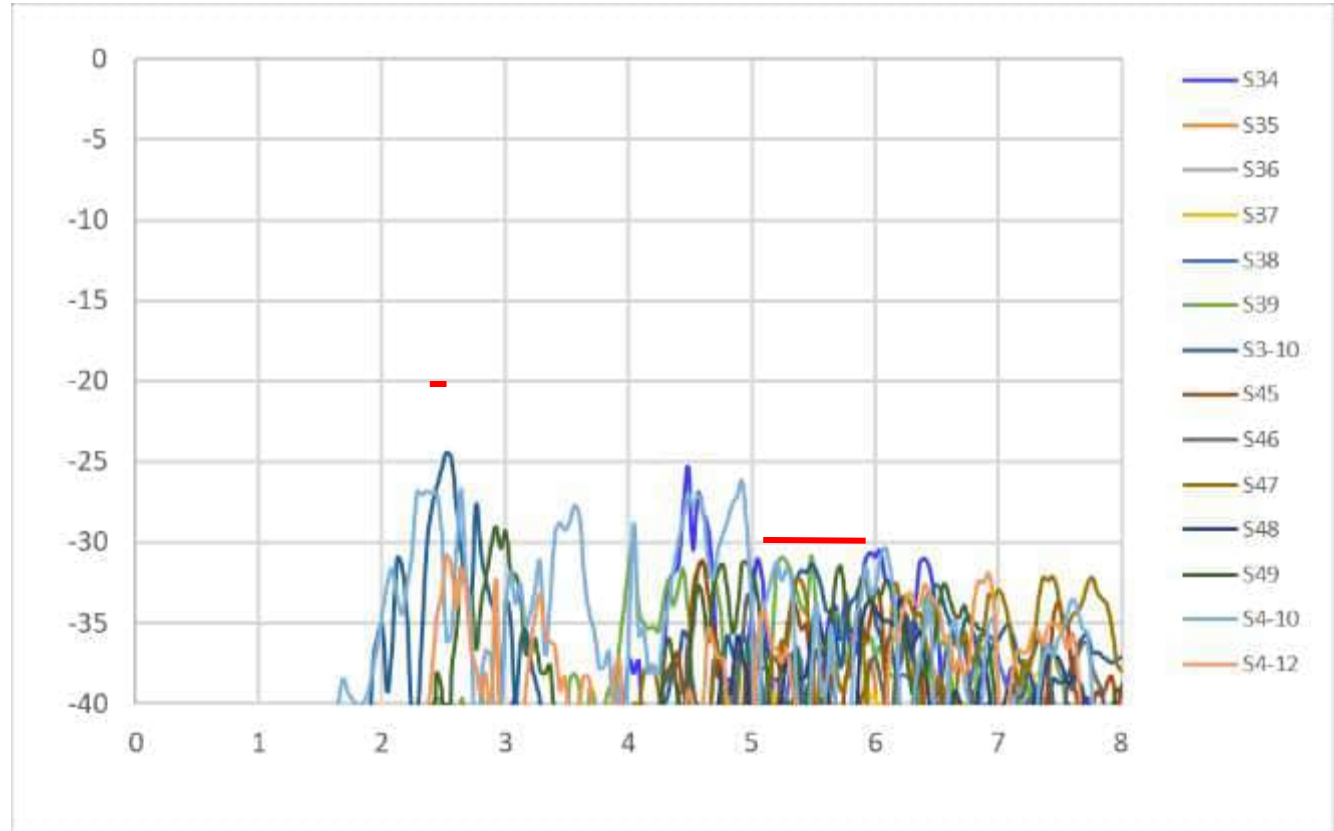
- 6GHz ant in-band(Ant5~8) isolation can meet -25dB.(5.925~7.125GHz)

Antenna Isolation (Dual band vs. Other radio)



- 2.4GHz isolation can meet -20dB.
- 5GHz isolation can meet -30dB.

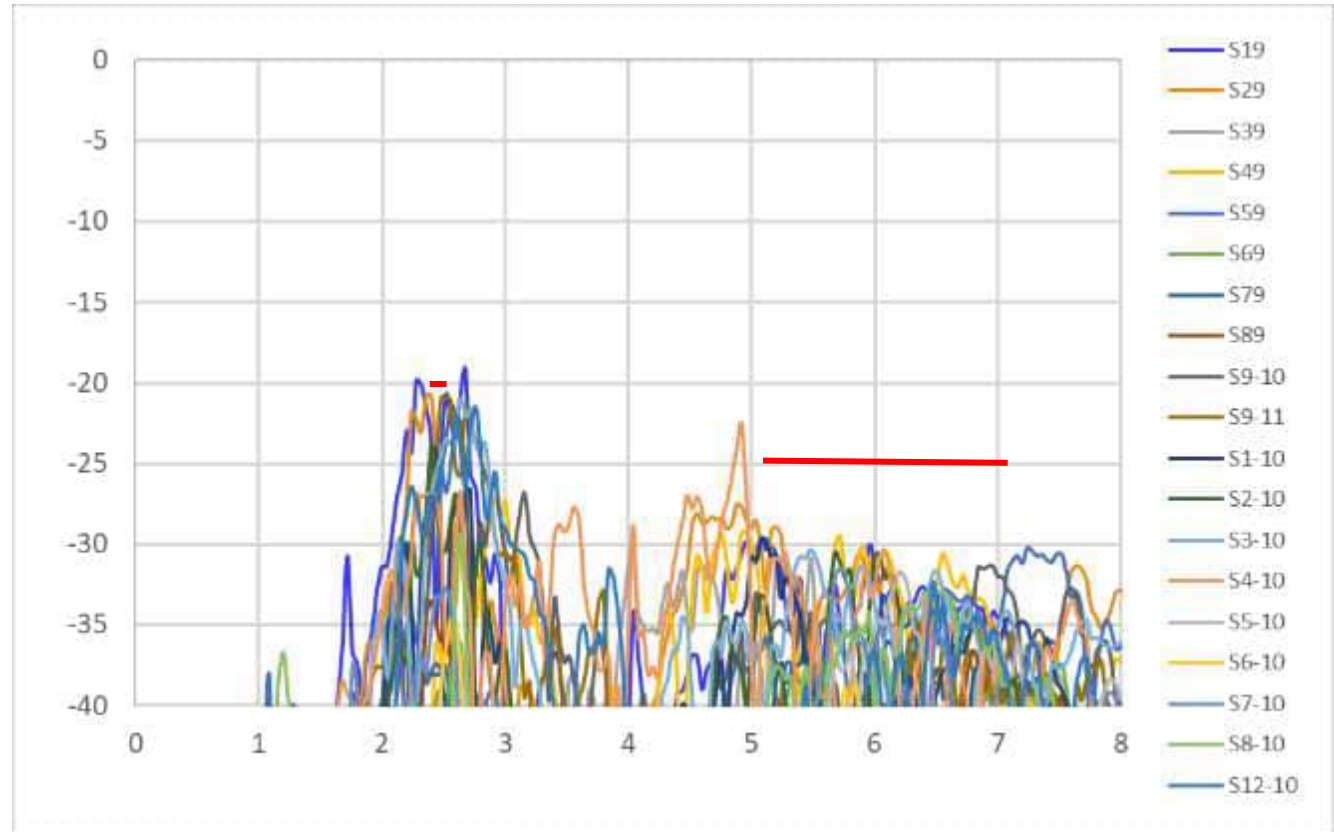
Antenna Isolation (5GHz vs. Other radio)



- 5GHz isolation can meet -30dB.

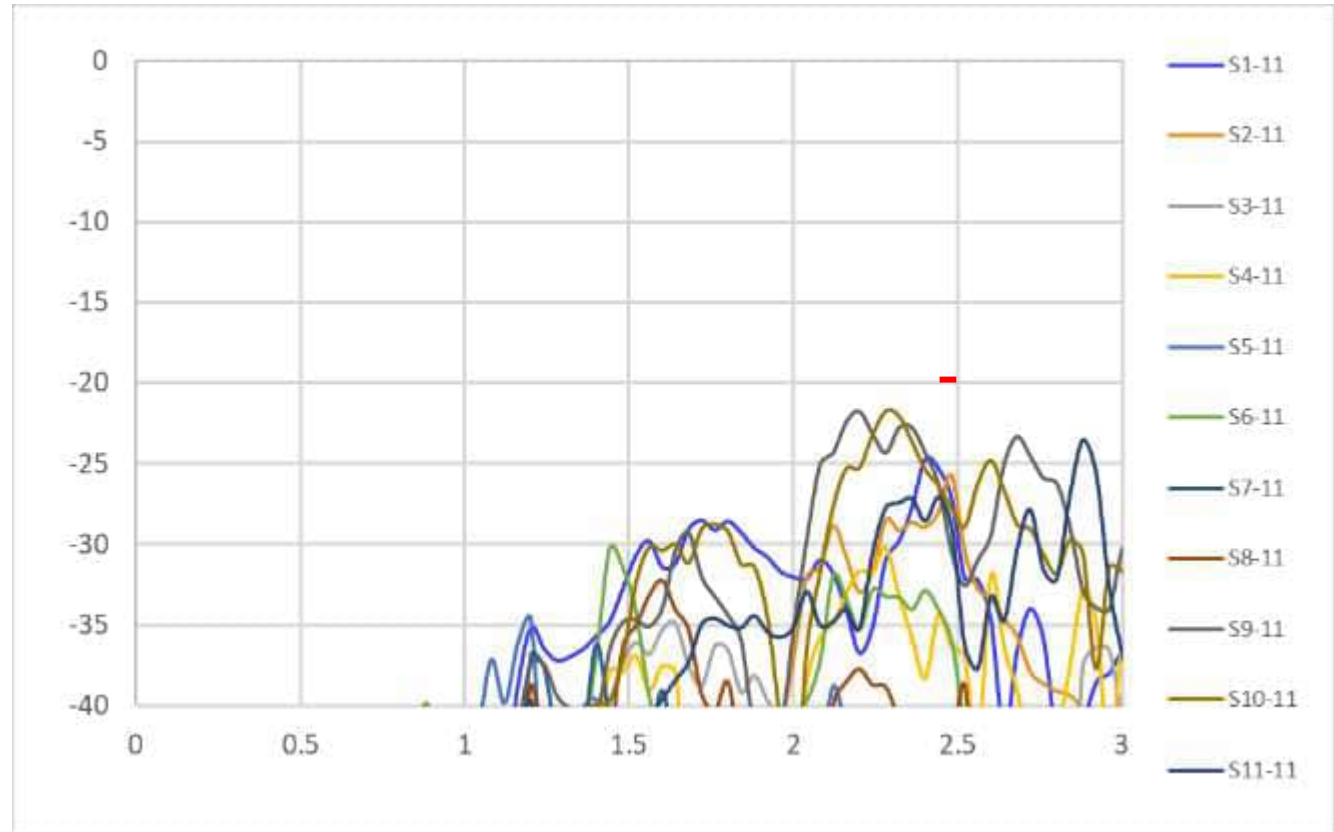
Antenna Isolation (Tri- band vs. Other radio)

Tri-band



- 2.4GHz isolation can meet -20dB.
- 5~6GHz isolation can meet -25dB.

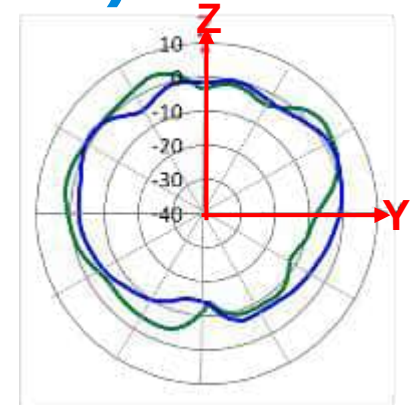
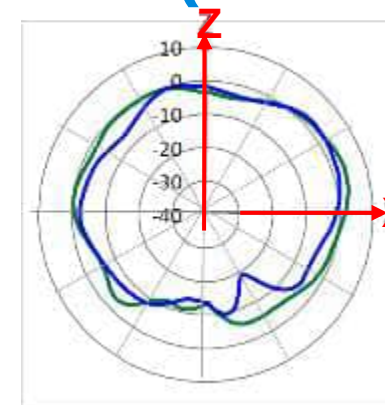
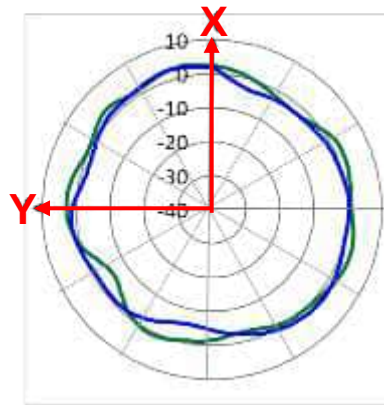
Antenna Isolation (GPS)



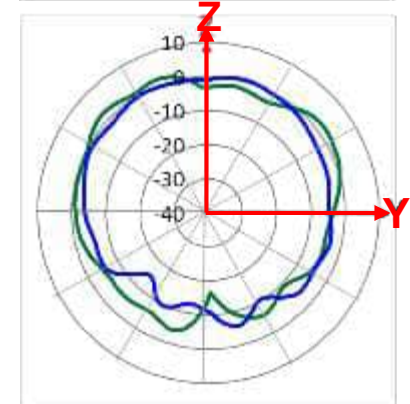
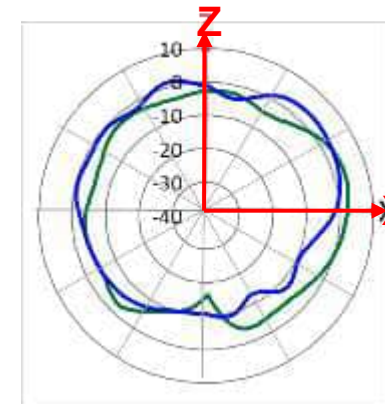
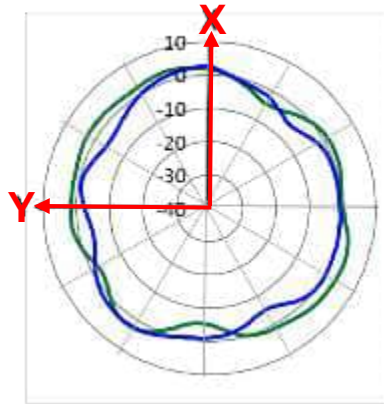
- 2.4GHz isolation can meet -20dB.

Radiation Patterns – ANT1~ANT2 (Dual band)

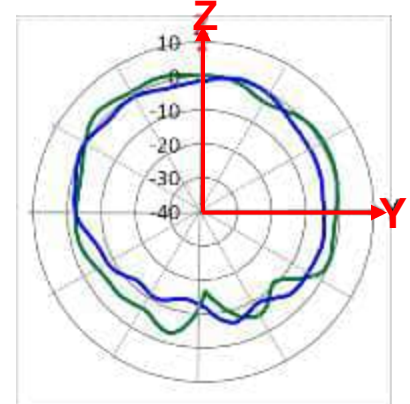
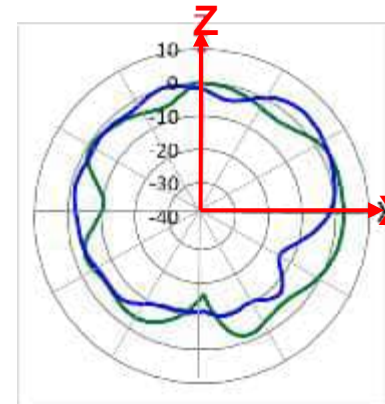
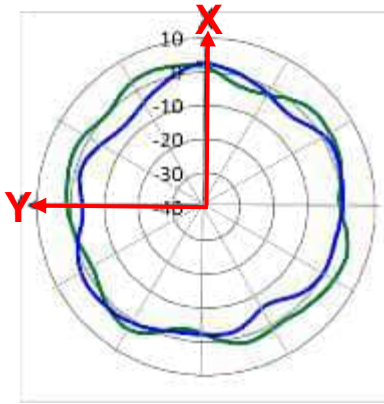
2.4GHz



2.45GHz



2.5GHz



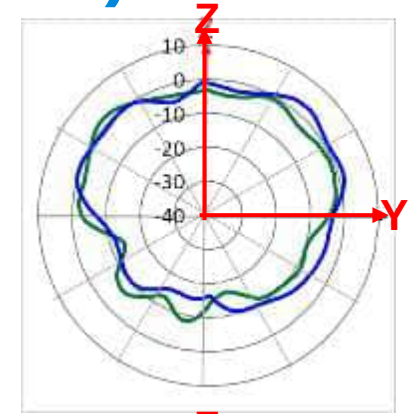
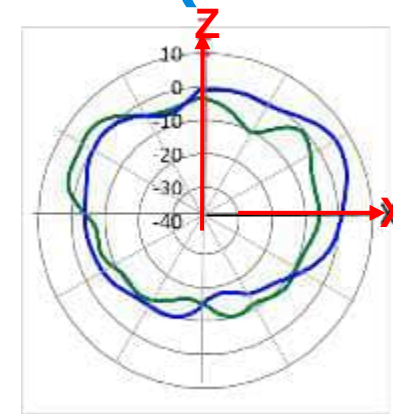
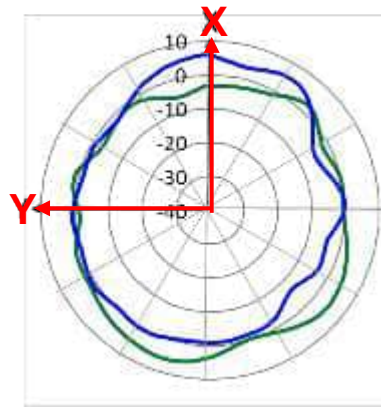
$\Theta = 60$

$\Phi = 0$

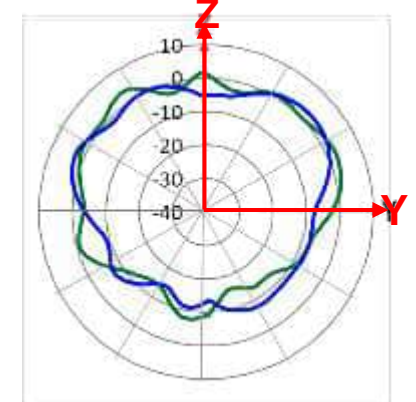
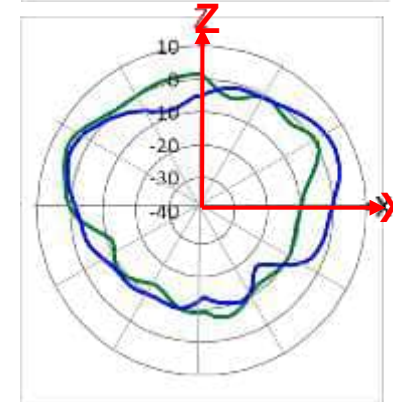
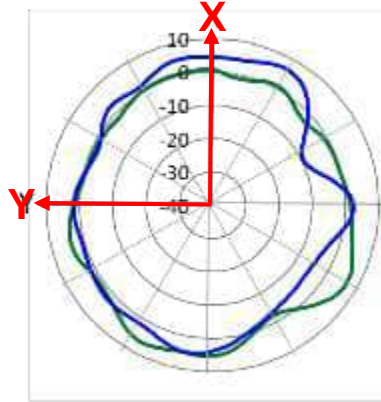
$\Phi = 90$

Radiation Patterns – ANT1~ANT2 (Dual band)

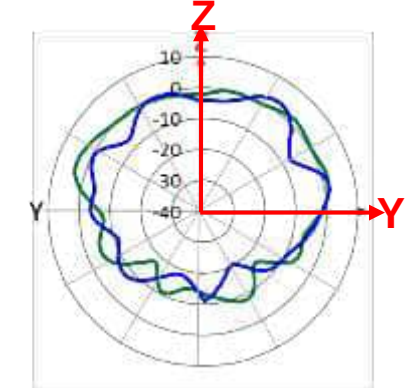
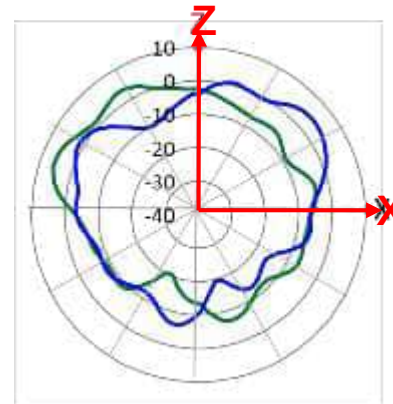
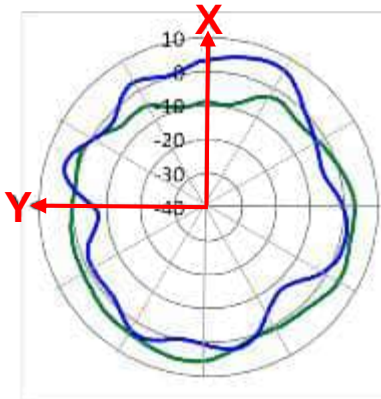
5.15GHz



5.55GHz



5.85GHz



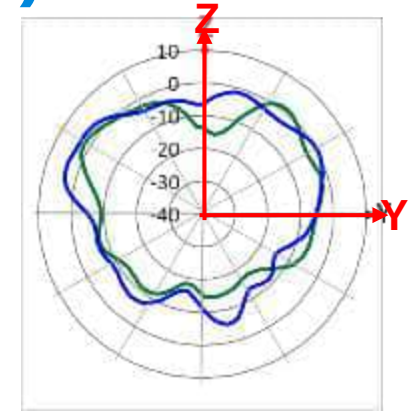
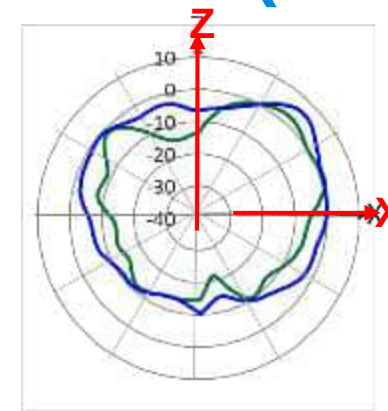
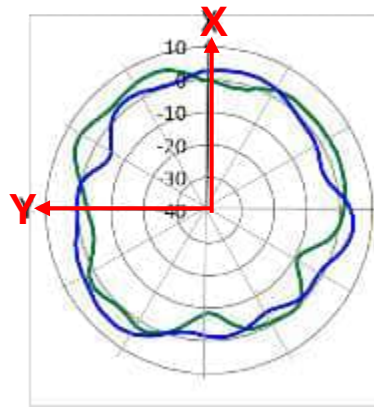
$\theta = 60$

$\phi = 0$

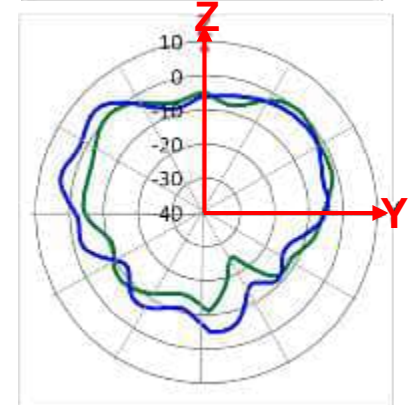
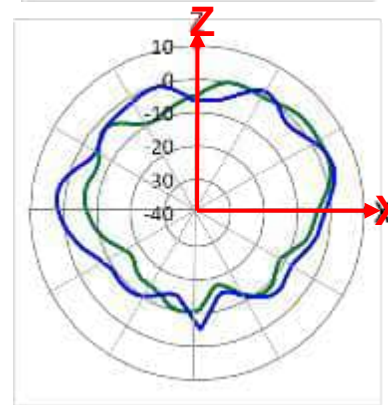
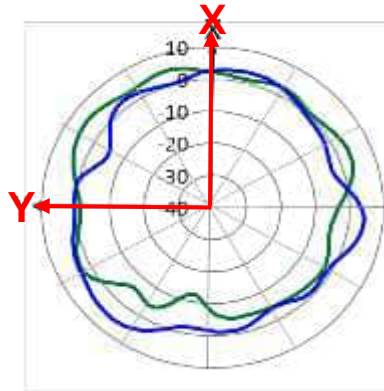
$\phi = 90$

Radiation Patterns – ANT3~ANT4 (5GHz)

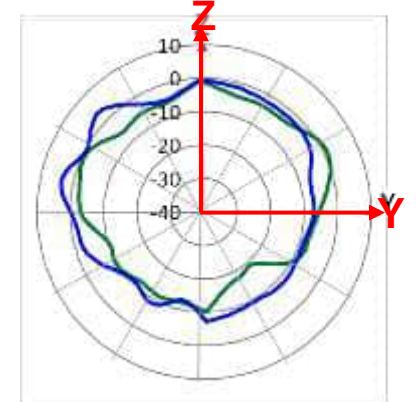
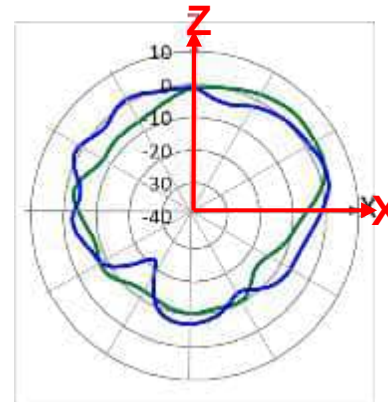
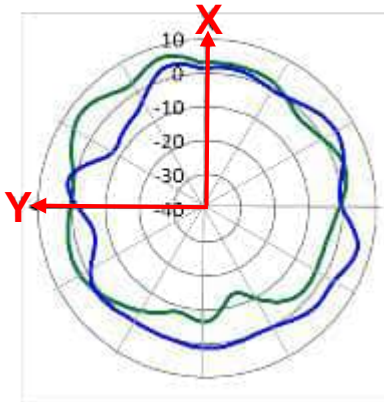
5.15GHz



5.55GHz



5.85GHz



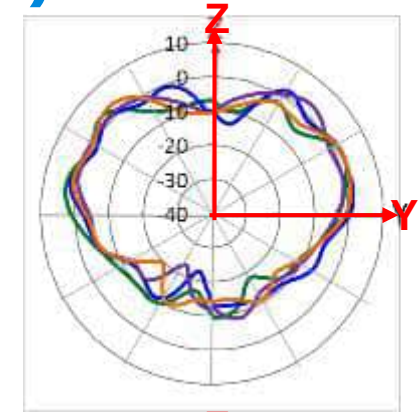
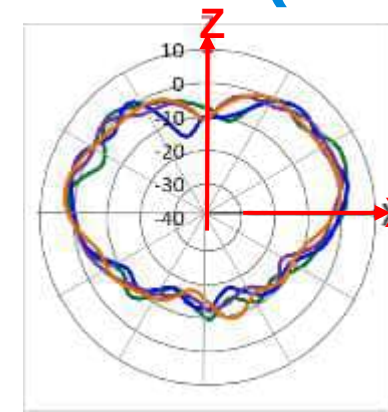
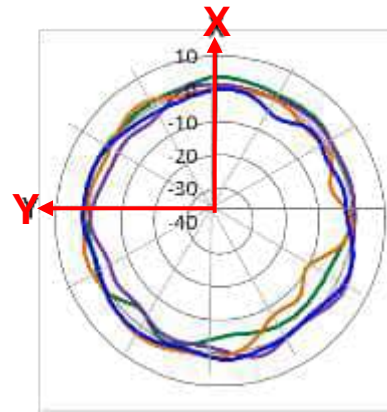
Theta = 60

Phi = 0

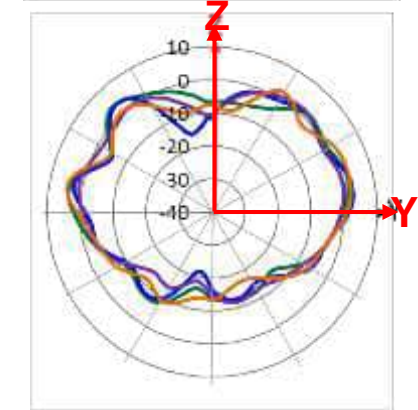
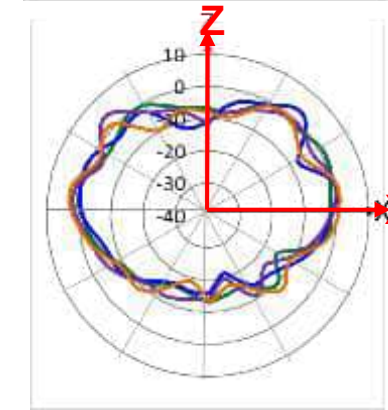
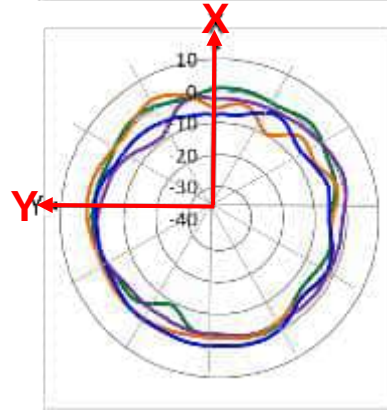
Phi = 90

Radiation Patterns – ANT5~ANT8 (6GHz)

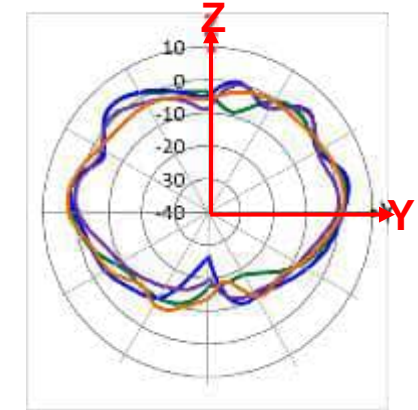
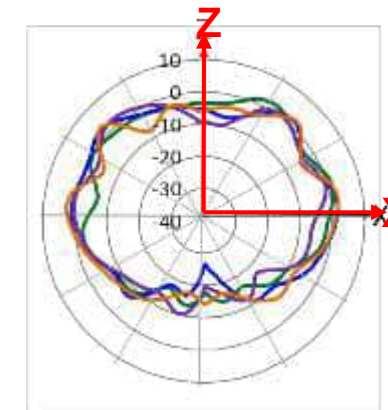
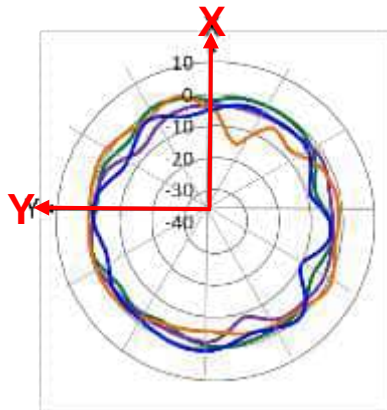
5.925GHz



6.55GHz



7.125GHz



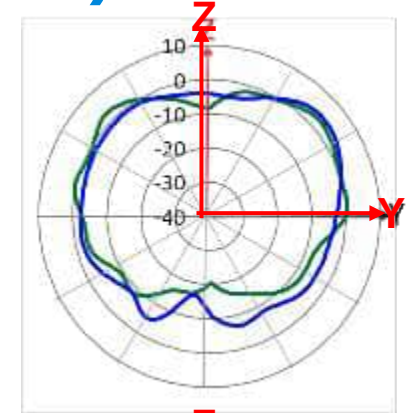
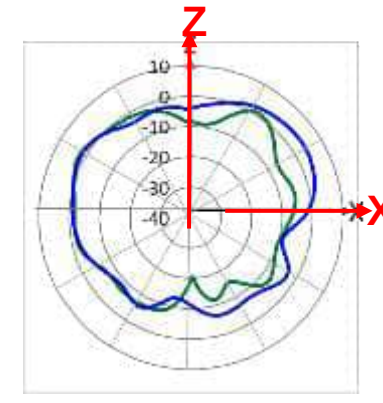
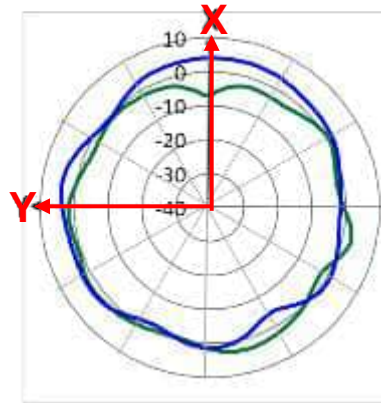
Theta = 60

Phi = 0

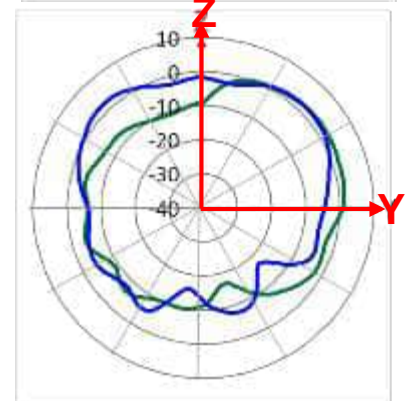
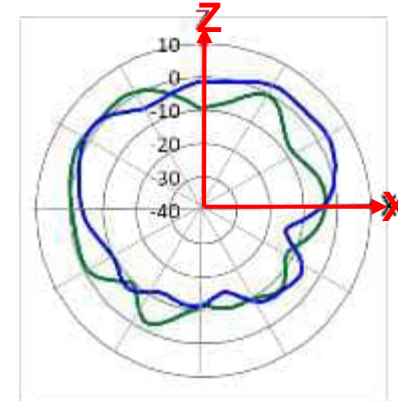
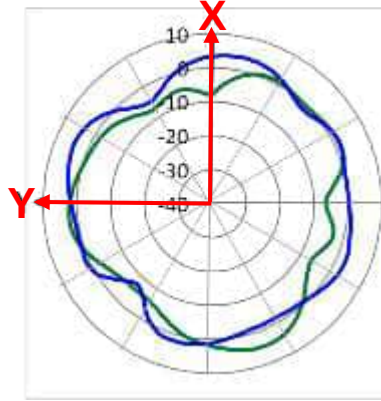
Phi = 90

Radiation Patterns – ANT9~ANT10 (Tri-band)

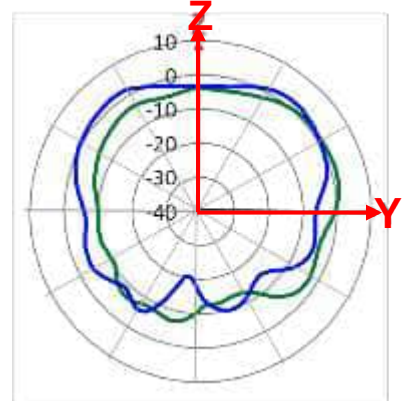
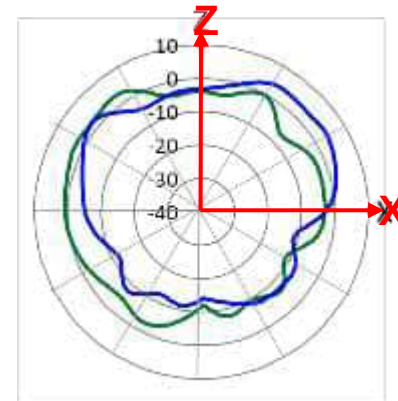
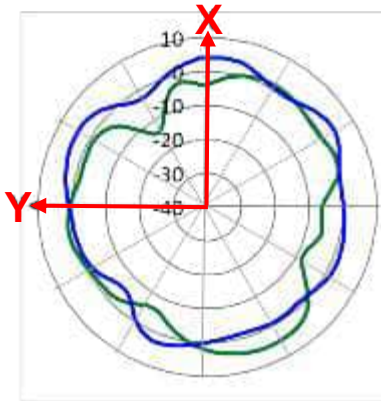
2.4GHz



2.45GHz



2.5GHz



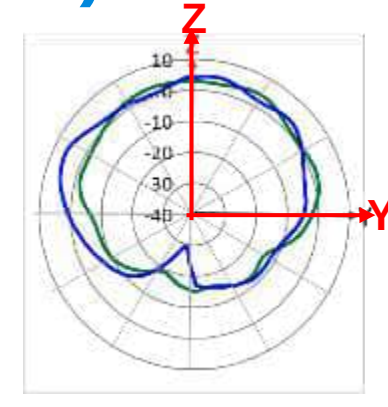
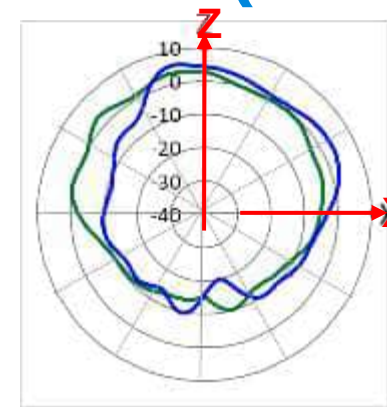
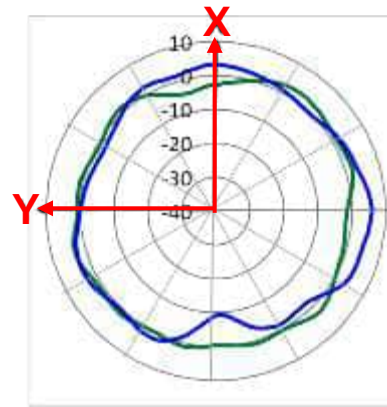
$\theta = 60$

$\phi = 0$

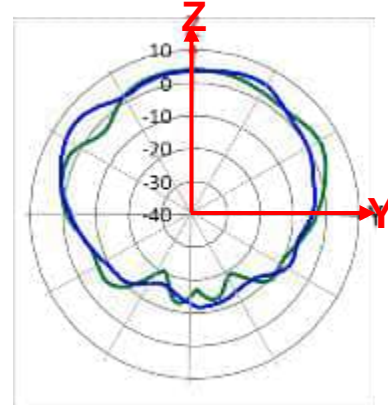
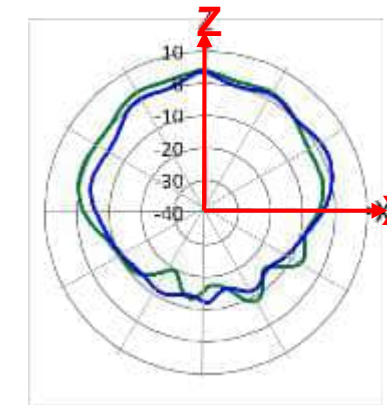
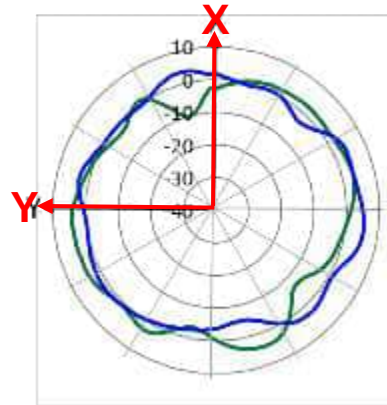
$\phi = 90$

Radiation Patterns – ANT9~ANT10 (Tri-band)

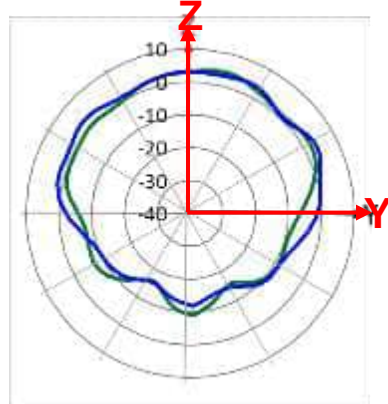
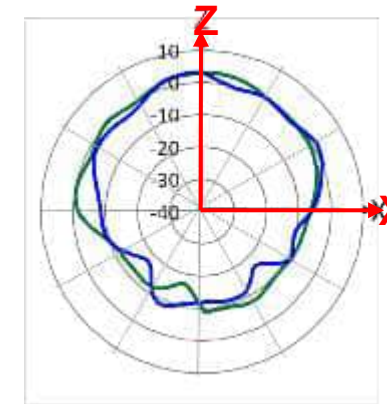
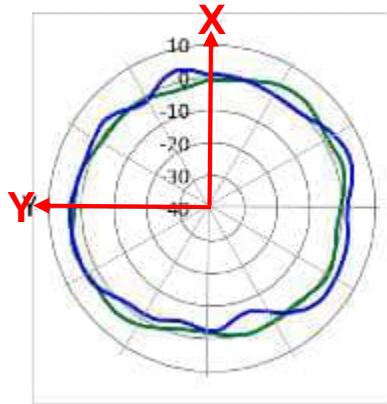
5.15GHz



5.55GHz



5.85GHz



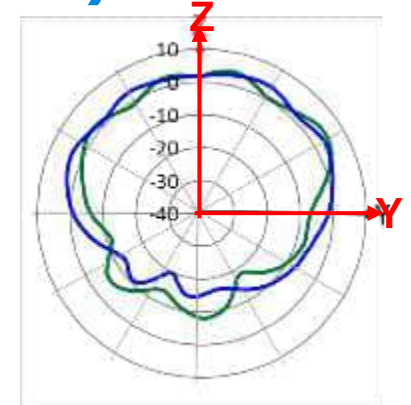
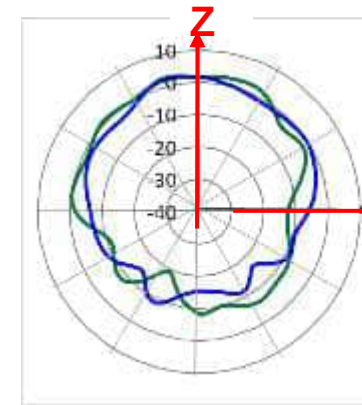
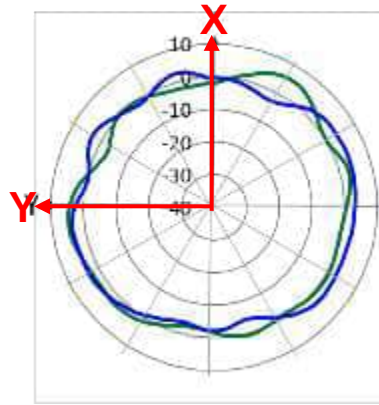
$\Theta = 60$

$\Phi = 0$

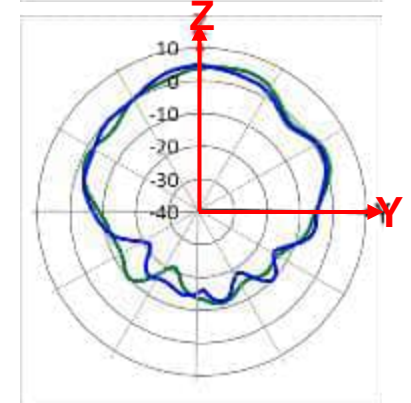
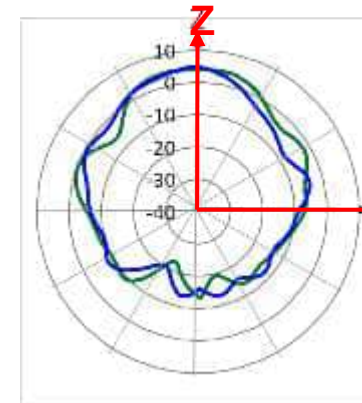
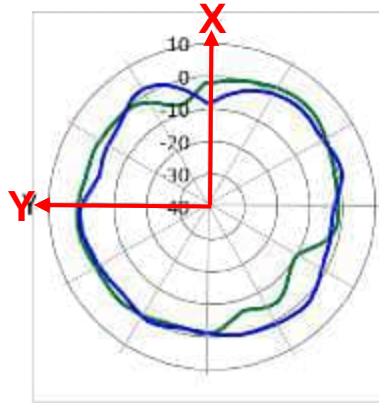
$\Phi = 90$

Radiation Patterns – ANT9~ANT10 (Tri-band)

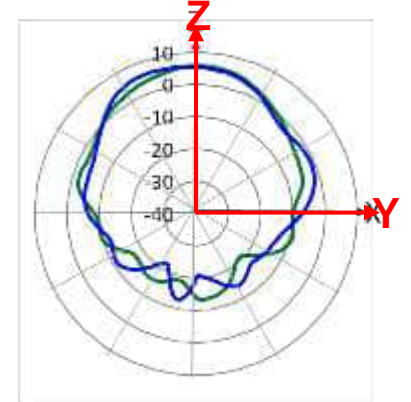
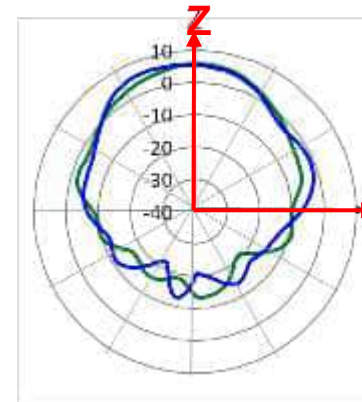
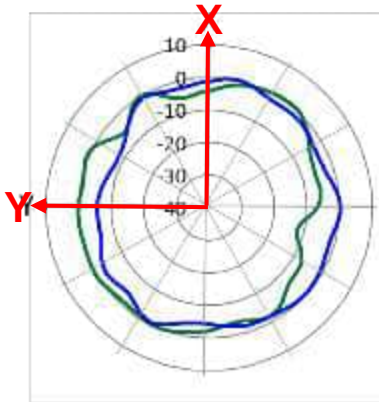
5.925GHz



6.55GHz



7.125GHz



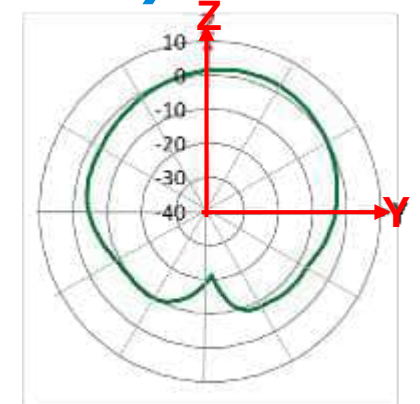
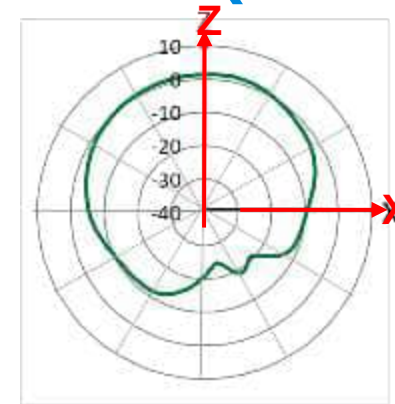
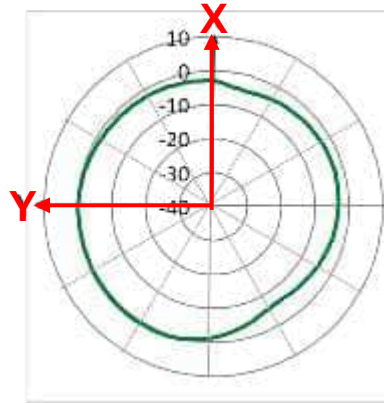
$\theta = 60$

$\phi = 0$

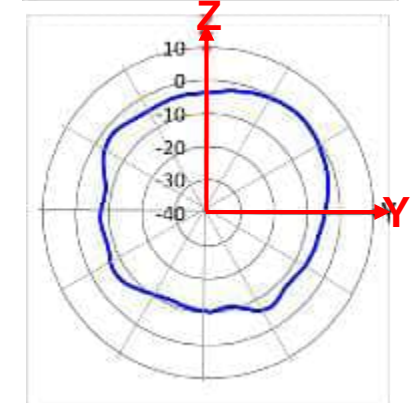
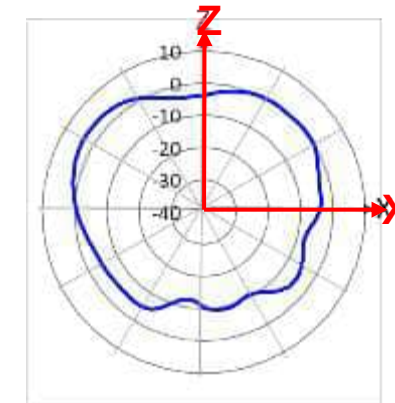
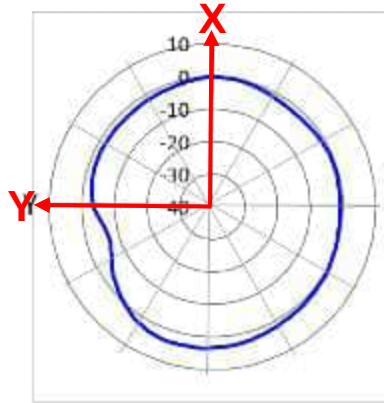
$\phi = 90$

Radiation Patterns – ANT11~ANT12 (BT & GPS)

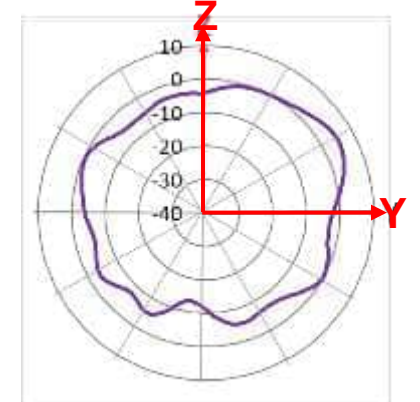
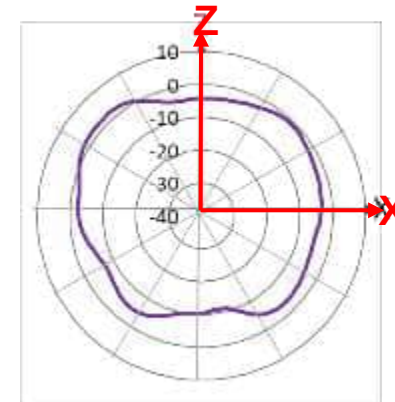
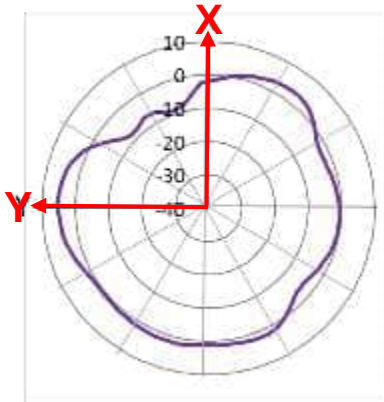
1.176GHz



1.575GHz



2.45GHz



$\theta = 60$

$\phi = 0$

$\phi = 90$

Antenna Gain & Efficiency(ANT1~ANT4)

ANT1

Frequency (MHz)	Peak Gain (dBi)	Efficiency (%)
2400	3.70	64.1
2450	4.01	66.5
2500	4.08	63.9
5150	6.86	60.8
5350	7.08	63.5
5550	6.72	64.5
5850	6.94	63.1

ANT2

Frequency (MHz)	Peak Gain (dBi)	Efficiency (%)
2400	3.53	59.8
2450	4.49	61.2
2500	3.54	58.9
5150	5.88	54.1
5350	6.49	62.3
5550	6.60	60.2
5850	7.01	56.2

ANT3

Frequency (MHz)	Peak Gain (dBi)	Efficiency (%)
5150	5.81	59.5
5350	6.91	62.5
5550	6.57	60.3
5850	6.59	58.1

ANT4

Frequency (MHz)	Peak Gain (dBi)	Efficiency (%)
5150	6.14	63.3
5350	6.56	66.8
5550	5.47	64.1
5850	6.08	60.2

Antenna Gain & Efficiency (ANT5~ANT8)

ANT5

Frequency (MHz)	Peak Gain (dBi)	Efficiency (%)
5925	4.49	62.6
6550	4.18	63.8
6950	3.78	62.5
7125	3.82	60.1

ANT6

Frequency (MHz)	Peak Gain (dBi)	Efficiency (%)
5925	4.39	62.6
6550	4.35	60.4
6950	4.63	60.1
7125	4.50	59.4

ANT7

Frequency (MHz)	Peak Gain (dBi)	Efficiency (%)
5925	4.28	63.5
6550	4.94	64.1
6950	4.31	61.9
7125	4.80	63.7

ANT8

Frequency (MHz)	Peak Gain (dBi)	Efficiency (%)
5925	4.37	64.1
6550	3.80	60.2
6950	4.16	60.5
7125	4.69	62.5

Antenna Gain & Efficiency (ANT9~ANT12)

ANT9

Frequency (MHz)	Peak Gain (dBi)	Efficiency (%)
2400	3.97	60.2
2450	4.72	61.4
2500	5.21	63.7
5150	4.76	63.4
5550	5.27	64.1
5850	4.86	59.5
5925	5.69	60.8
6550	5.71	58.2
6950	6.01	57.1
7125	6.54	58.2

ANT10

Frequency (MHz)	Peak Gain (dBi)	Efficiency (%)
2400	4.72	62.8
2450	4.50	60.5
2500	4.81	61.2
5150	6.02	63.2
5550	5.95	67.2
5850	5.14	63.7
5925	4.70	61.1
6550	4.98	58.1
6950	6.49	56.9
7125	6.34	57.1

ANT11

Frequency (MHz)	Peak Gain (dBi)	Efficiency (%)
1176	2.48	43.8
1575	3.69	50.8
1610	2.92	46.7

ANT12

Frequency (MHz)	Peak Gain (dBi)	Efficiency (%)
2400	4.44	60.8
2450	5.09	61.2
2500	4.99	60.8

Smarter. Greener. Together.