



產品承認書

Specification for Approval

客戶 (Customer): 正文科技股份有限公司

Customer Part No.:

Product Description: WRTM-373AX

Lynwave Part No.: AEX22M-222AA2-00

客戶簽核 (Customer Approval)

客戶承認 Customer Approval	核准 (Authorized)	檢驗 (Approved)
	日期： 年 月 日	

內部簽核 (Signature)

日期： 2023 年 03 月 28 日

Approved by	Checked by	Tested by
<i>YungMing</i>	<i>Lisa Wei</i>	<i>Zero Chen</i>

綠億科技股份有限公司

Lynwave Technology Ltd.

Taiwan: 新北市樹林區學成路 655 號 5 樓

5F., No.655, Xuecheng Rd., Shulin Dist., New Taipei City 238701,

Taiwan Tel: 02-35018700 Fax: 02-35019833

E-mail: service@lynwave.com

Contents

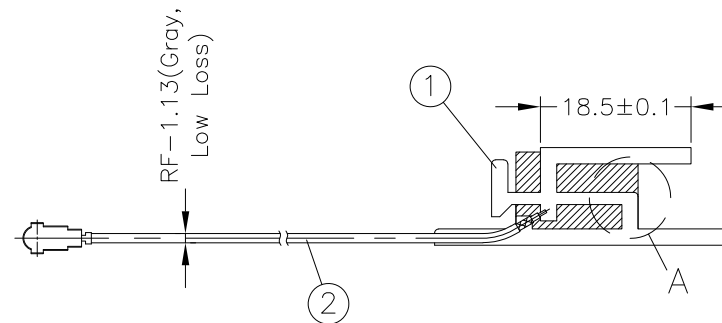
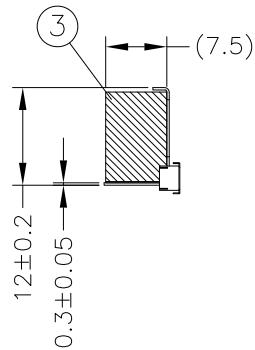
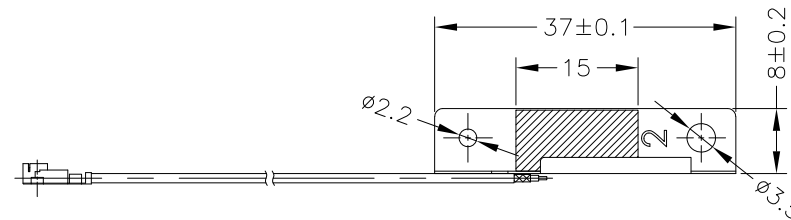
Item	Description	Page
1.	Cover	1
2.	Contents	2
3.	Specification	3
4.	Drawing	4

Specification

Physical Properties :

1. Operation temperature : $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$
2. Storage temperature: $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$
3. Storage period: 2years
4. Weight: TBD

Technical drawing of a square block with a circular hole. The drawing shows a cross-section of the block, with the hatched area representing the material. A dimension line is drawn across the top of the block, with the text "Sponge 需沿著此邊線對齊" (Sponge needs to be aligned along this edge line) written above it. The drawing is labeled "局部視圖A" (Local View A) and "比例 2:1" (Scale 2:1).



- 1.MHF compatible有方向性,請依照圖面方向生產.
- 2.Sponge需沿鐵件邊線貼齊且不得超出鐵件外.
- 3.Cable走線與焊點不得低於鐵件底面.

TOLERANCE		CUSTOMER	PART NO.		DESCRIPTION:	DWG NO.	REV.
XXX.	±1.0	----	----		Antenna	AEX22M-222AA2-00	A6
XX.	±0.5	PROJECTION	UNIT	SCALE	SIZE	SHEET	 www.lynwave.com
X.	±0.3		mm	1:1	A4	1/1	
.X	±0.1	APPROVED:	DESIGNED:		DRAWN:		
.XX	±0.05	Alex Lee	Yungming		Anna		

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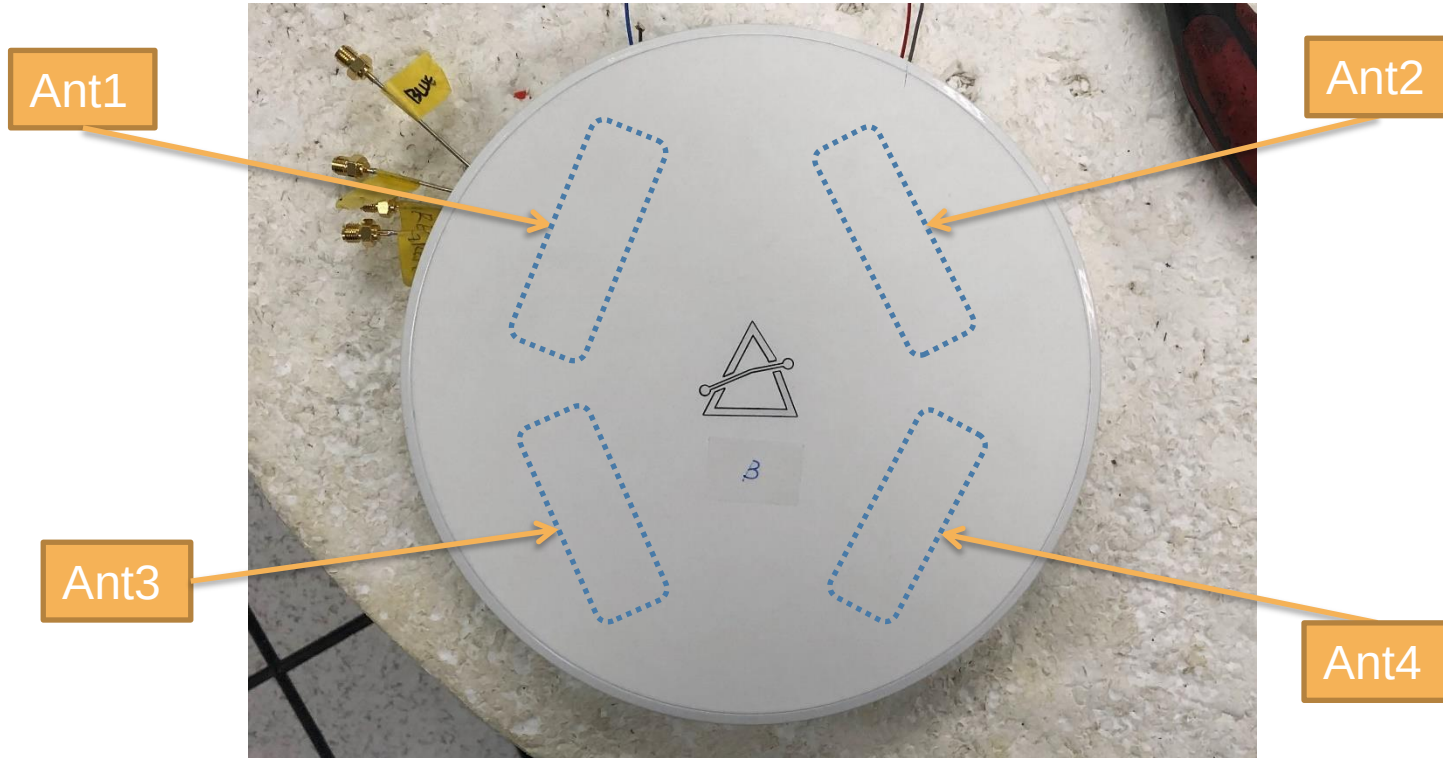
WRTM-373AX Antenna Simulation Report



Antenna Team
March 28, 2023

Gemtek Confidential
Distribution Prohibited

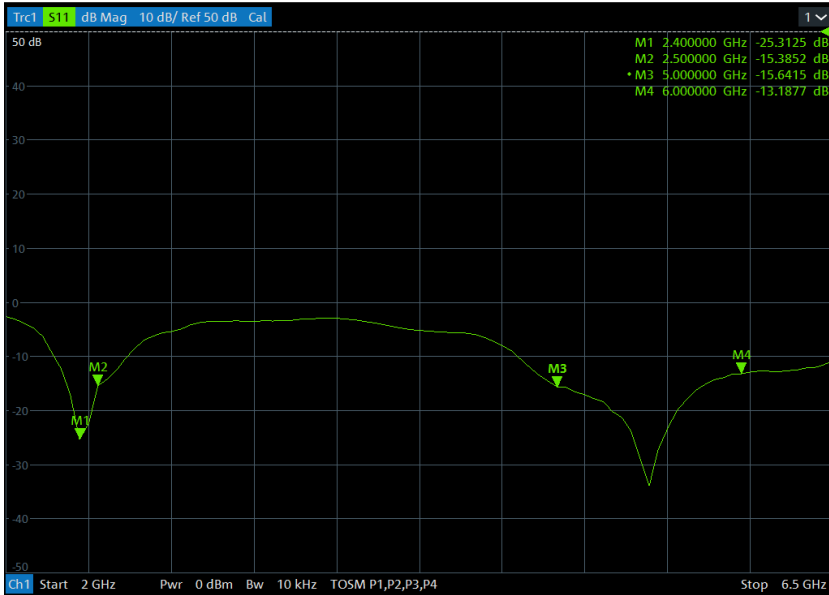
Antenna Set Definition



G Band Antenna Return Loss

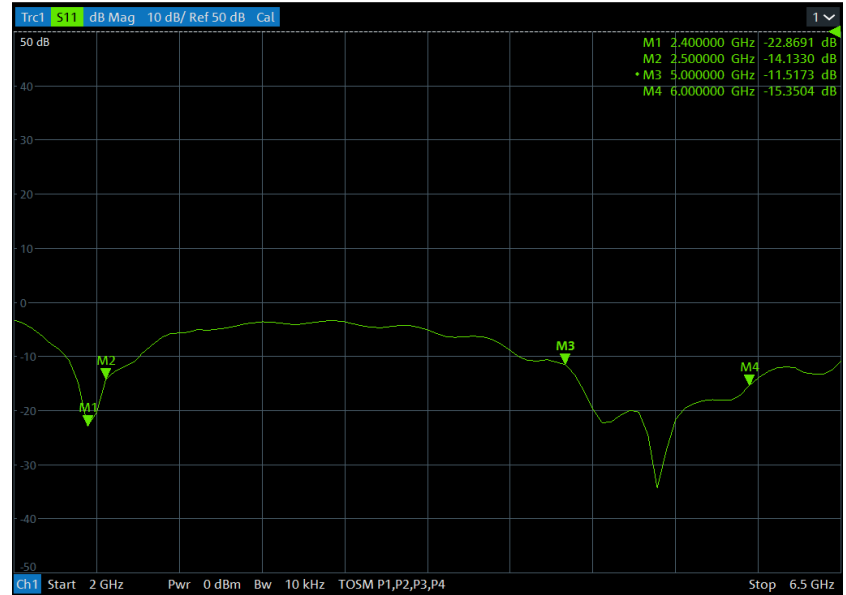
ANT1

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ANT2

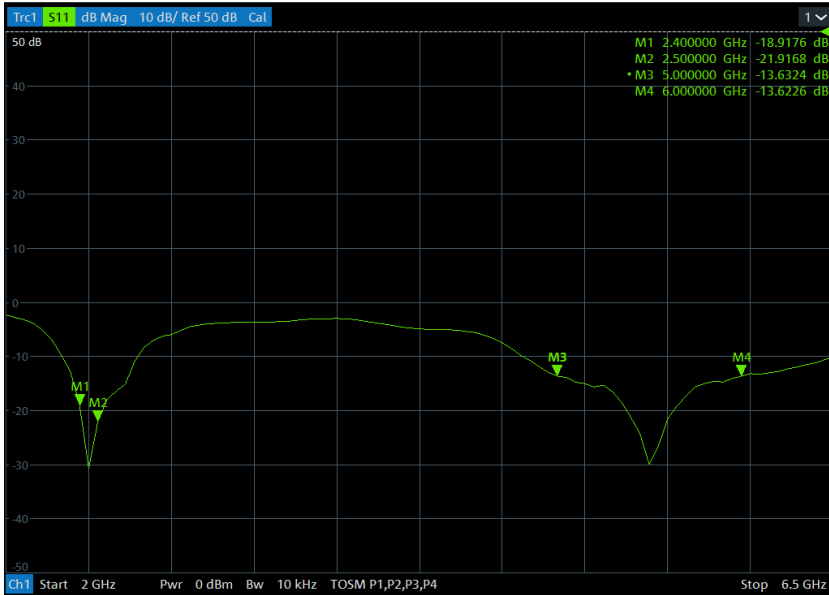
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G Band Antenna Return Loss

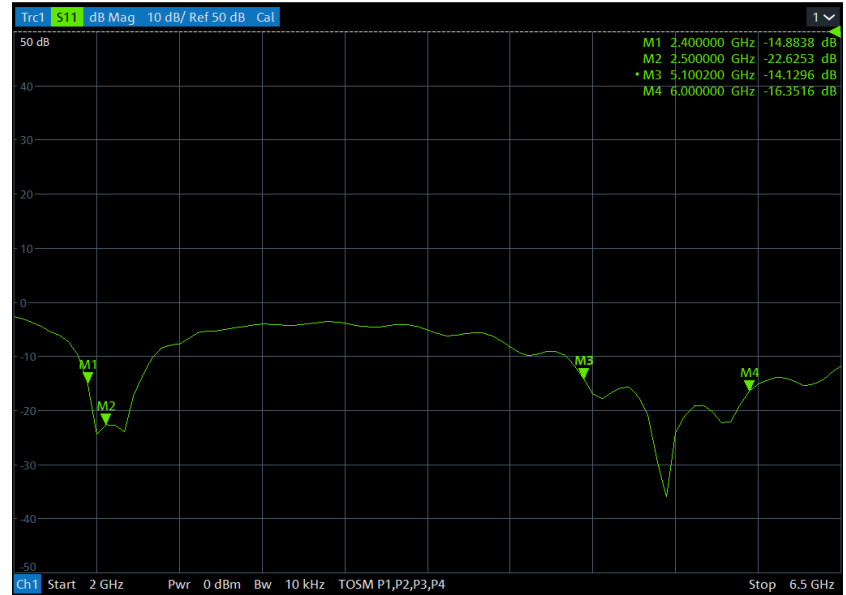
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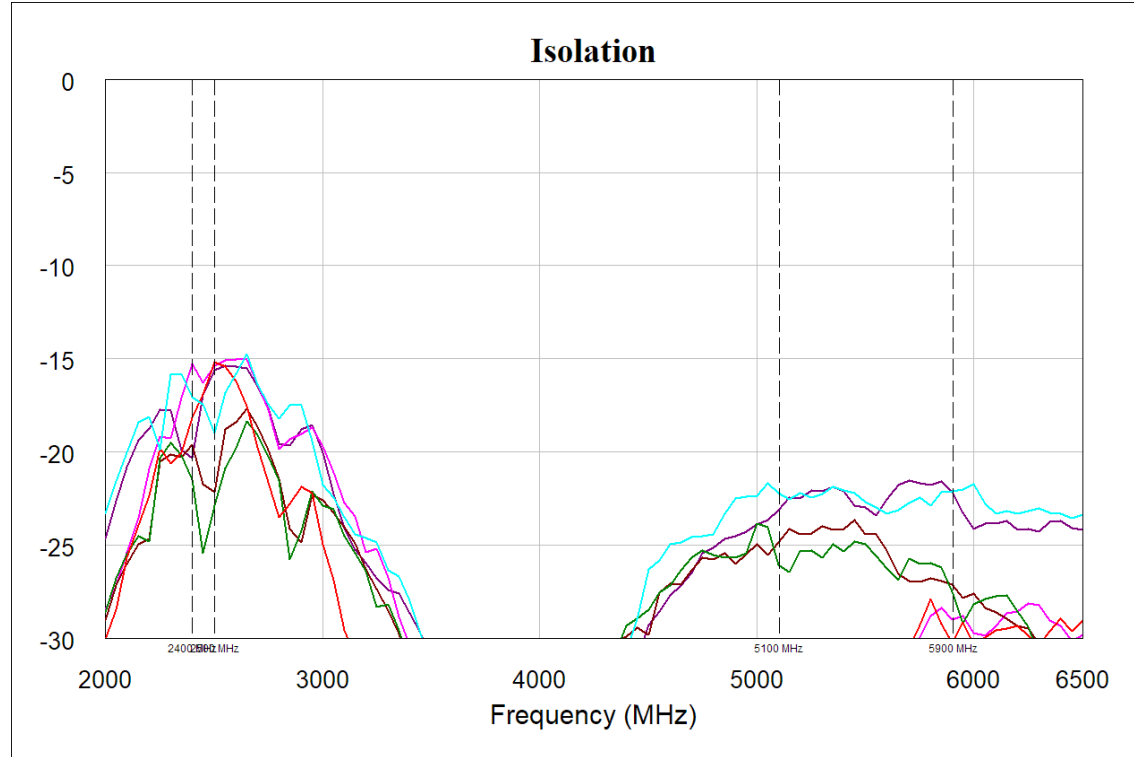


ANT4

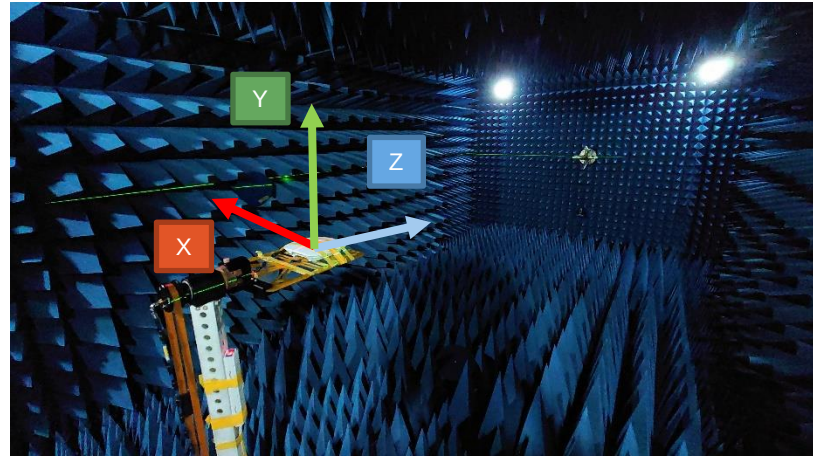
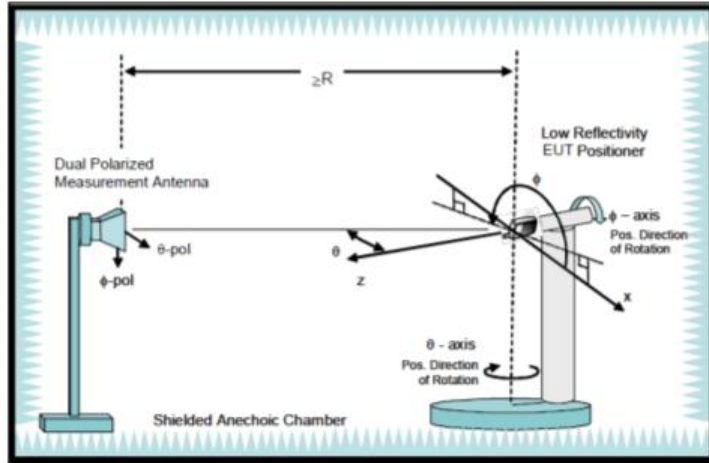
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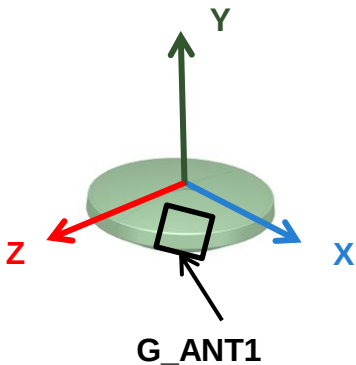
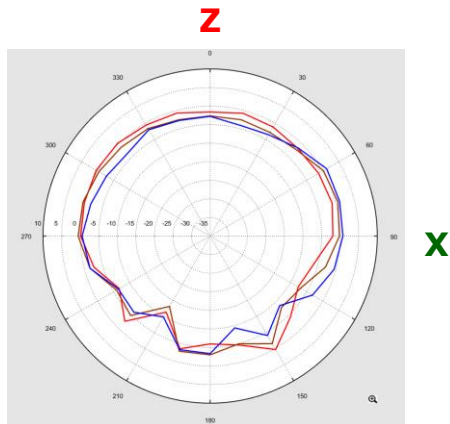
Antenna Isolation



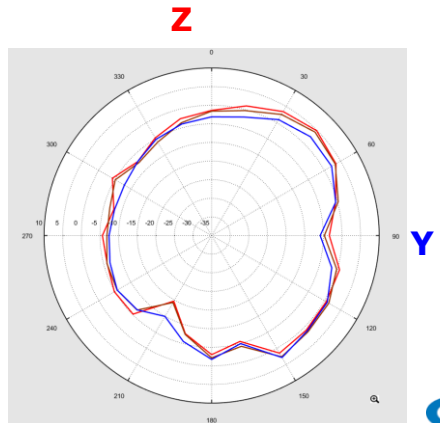
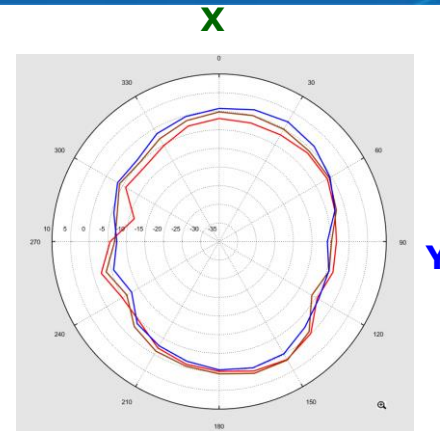
Antenna Coordinate System Definition



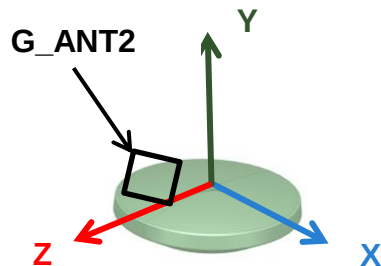
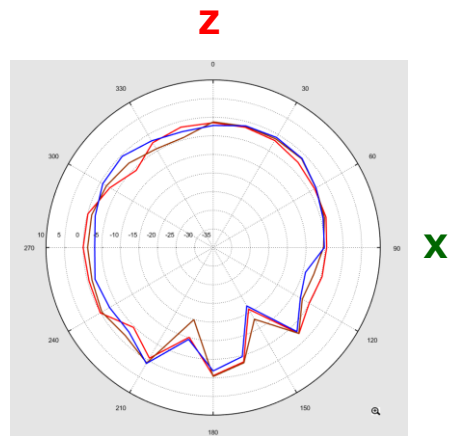
G_ANT1 GainTotal (dBi) Pattern



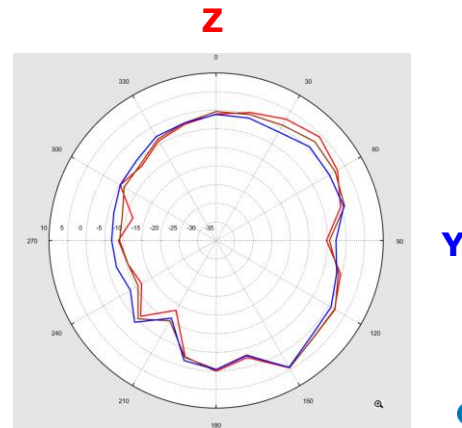
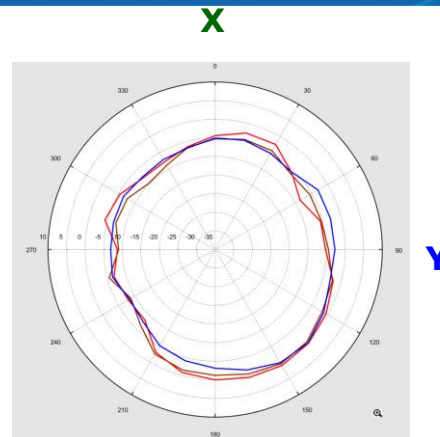
2400MHz —
2450MHz —
2500MHz —



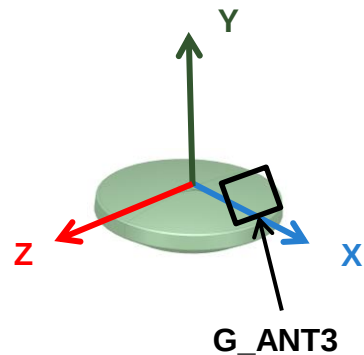
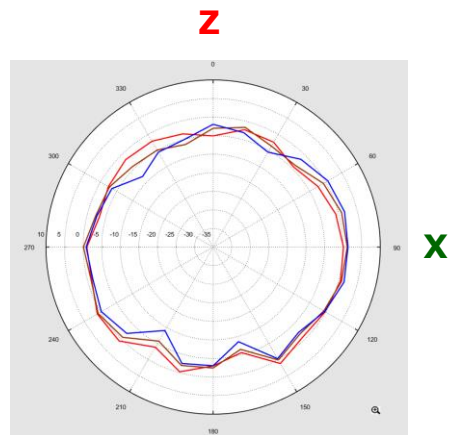
G_ANT2 GainTotal (dBi) Pattern



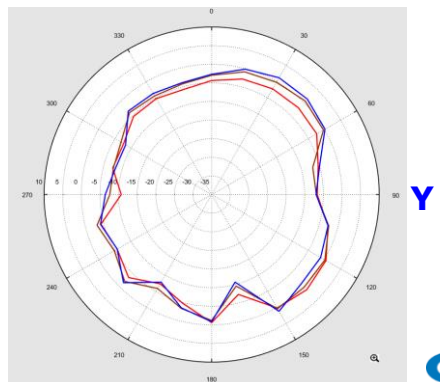
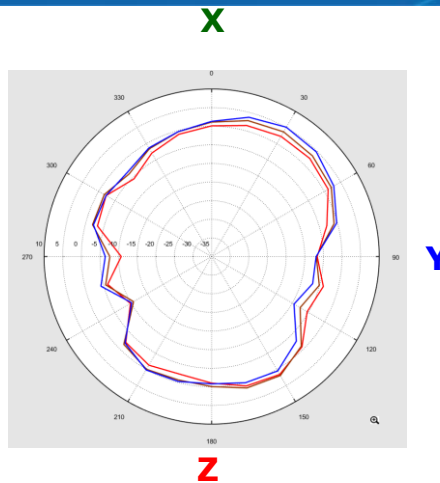
2400MHz —
2450MHz —
2500MHz —



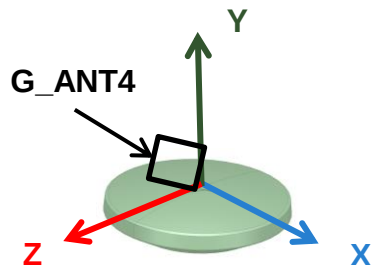
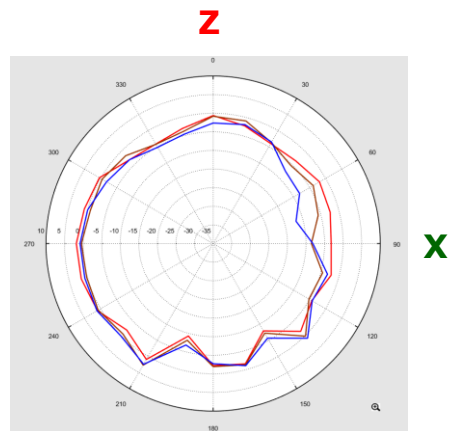
G_ANT3 GainTotal (dBi) Pattern



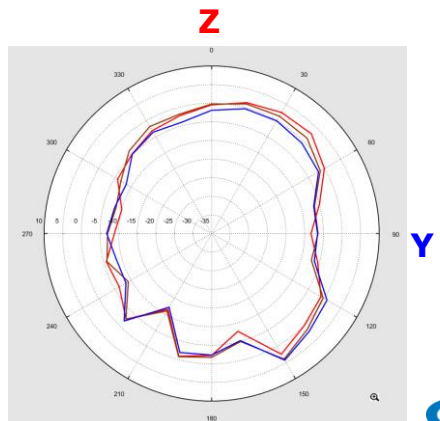
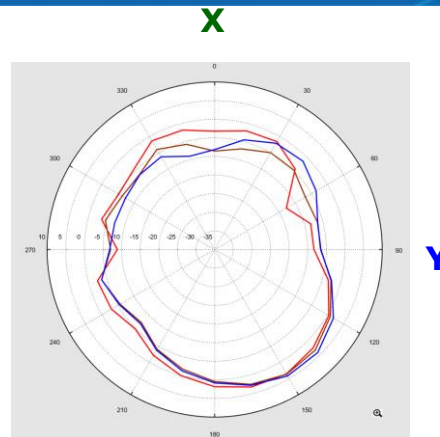
2400MHz —
2450MHz —
2500MHz —



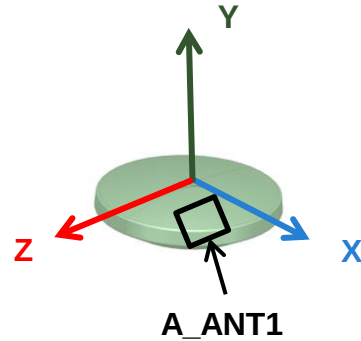
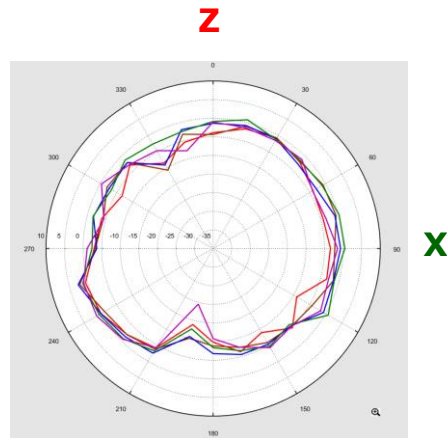
G_ANT4 GainTotal (dBi) Pattern



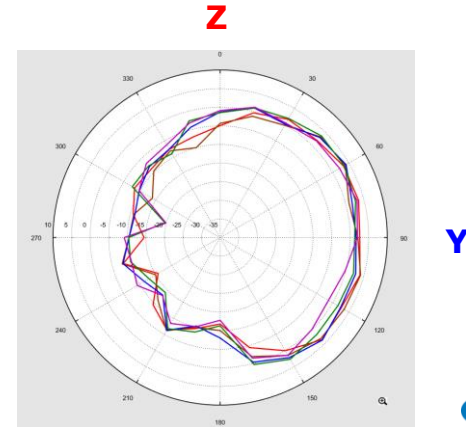
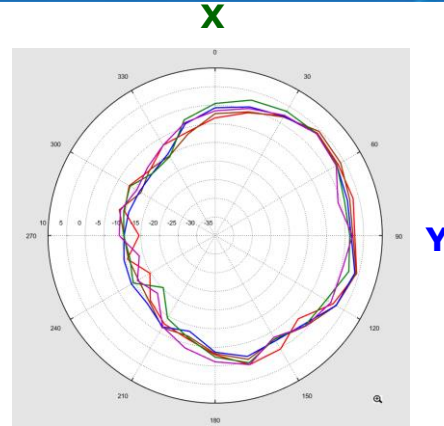
2400MHz —
2450MHz —
2500MHz —



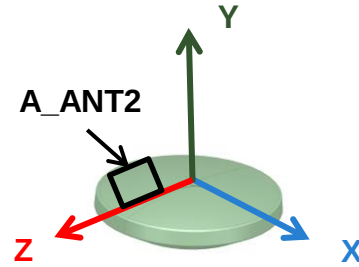
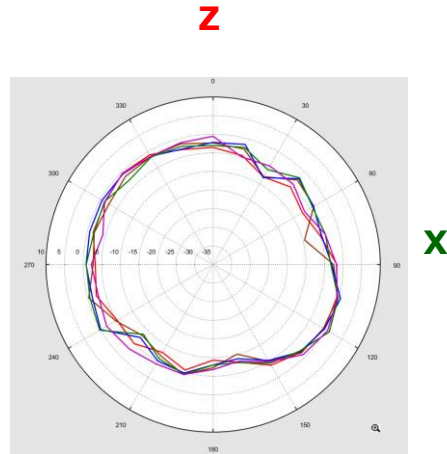
A_ANT1 GainTotal (dBi) Pattern



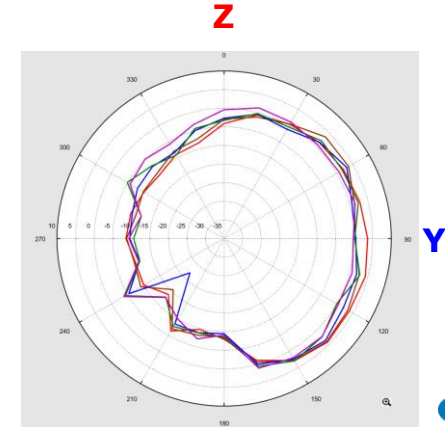
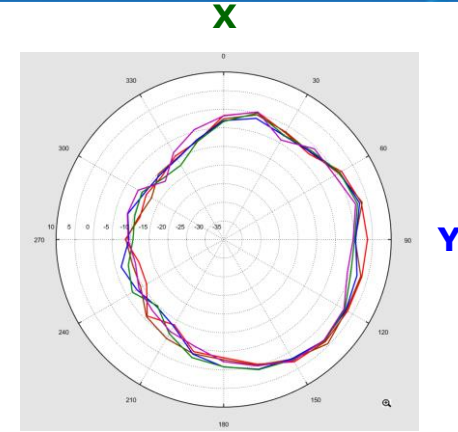
5100MHz —
5300MHz —
5500MHz —
5700MHz —
5900MHz —



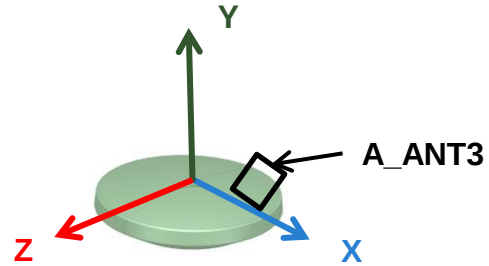
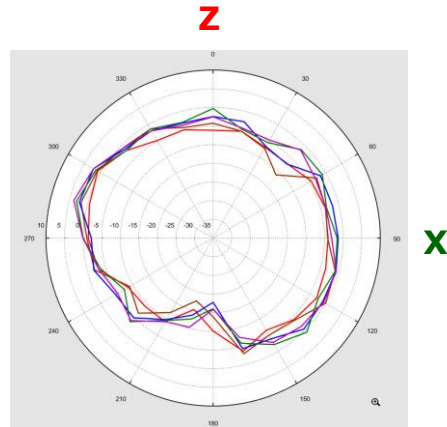
A_ANT2 GainTotal (dBi) Pattern



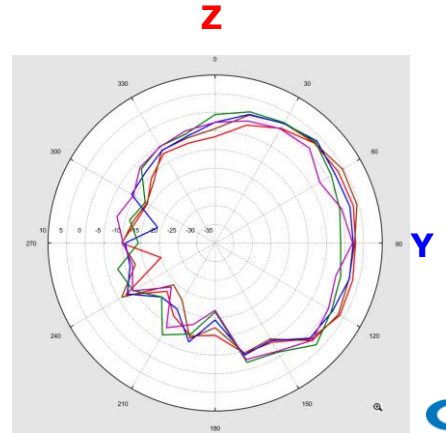
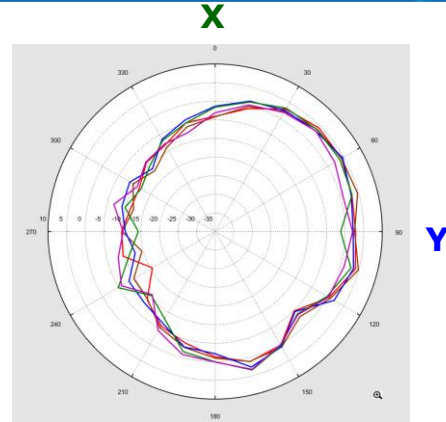
5100MHz —
5300MHz —
5500MHz —
5700MHz —
5900MHz —



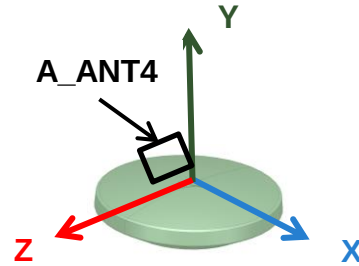
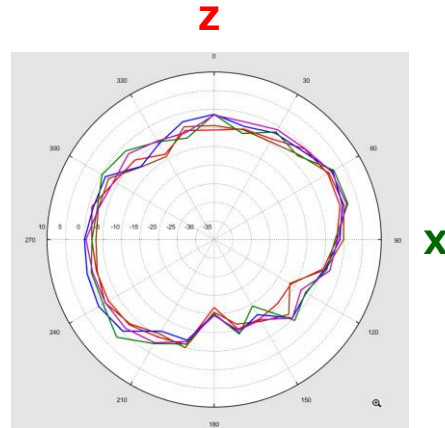
A_ANT3 GainTotal (dBi) Pattern



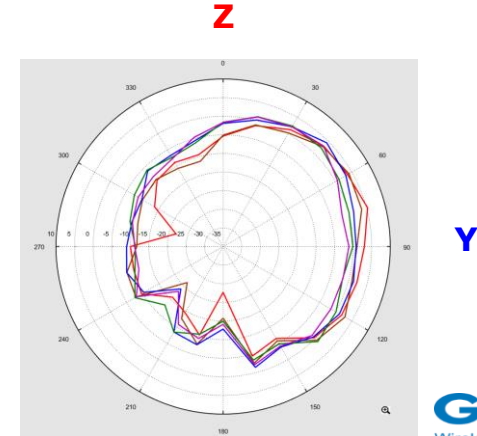
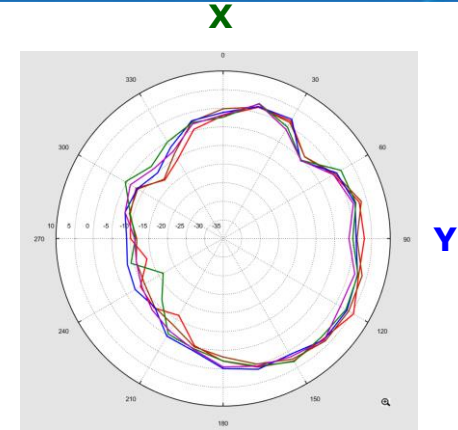
5100MHz —
5300MHz —
5500MHz —
5700MHz —
5900MHz —



A_ANT4 GainTotal (dBi) Pattern



5100MHz —
5300MHz —
5500MHz —
5700MHz —
5900MHz —



Antenna Peak Gain

WIFI G Band Antenna Peak Gain (dBi)	
Frequency (MHz)	2400~2485
G Band	2.71

WIFI A Band Antenna Peak Gain(dBi)				
Frequency (MHz)	5150~5250	5250~5350	5470~5725	5725~5850
A Band	2.13	2.17	2.42	2.9

Noted: The antenna gain excludes the cable loss, Cable Loss is refer to D1.13 low loss cable datasheet, the attenuation at 2.4GHz is 3.2dB per meter.(including MHF PLUG)