



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-222AA1-00

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

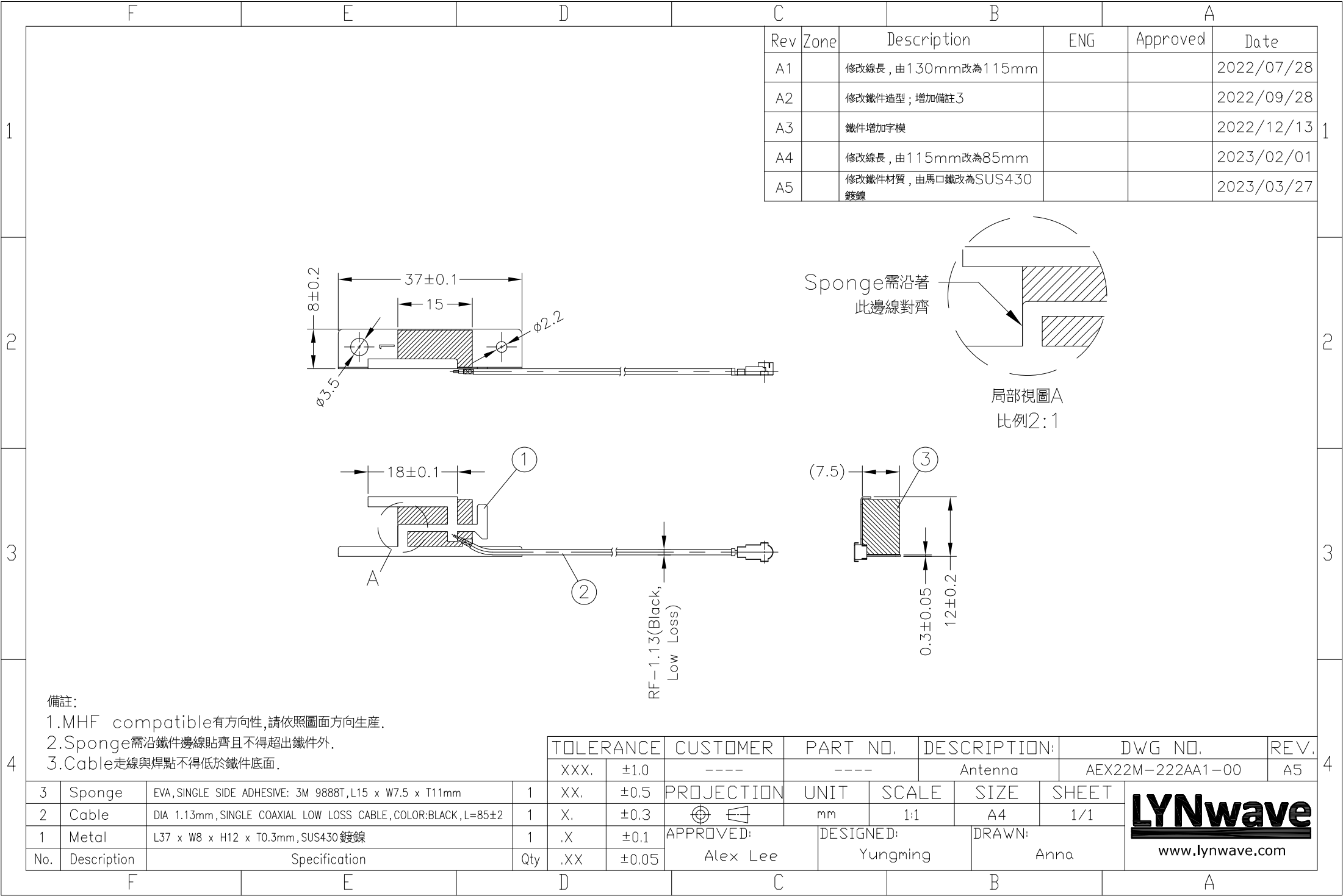
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Specification

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



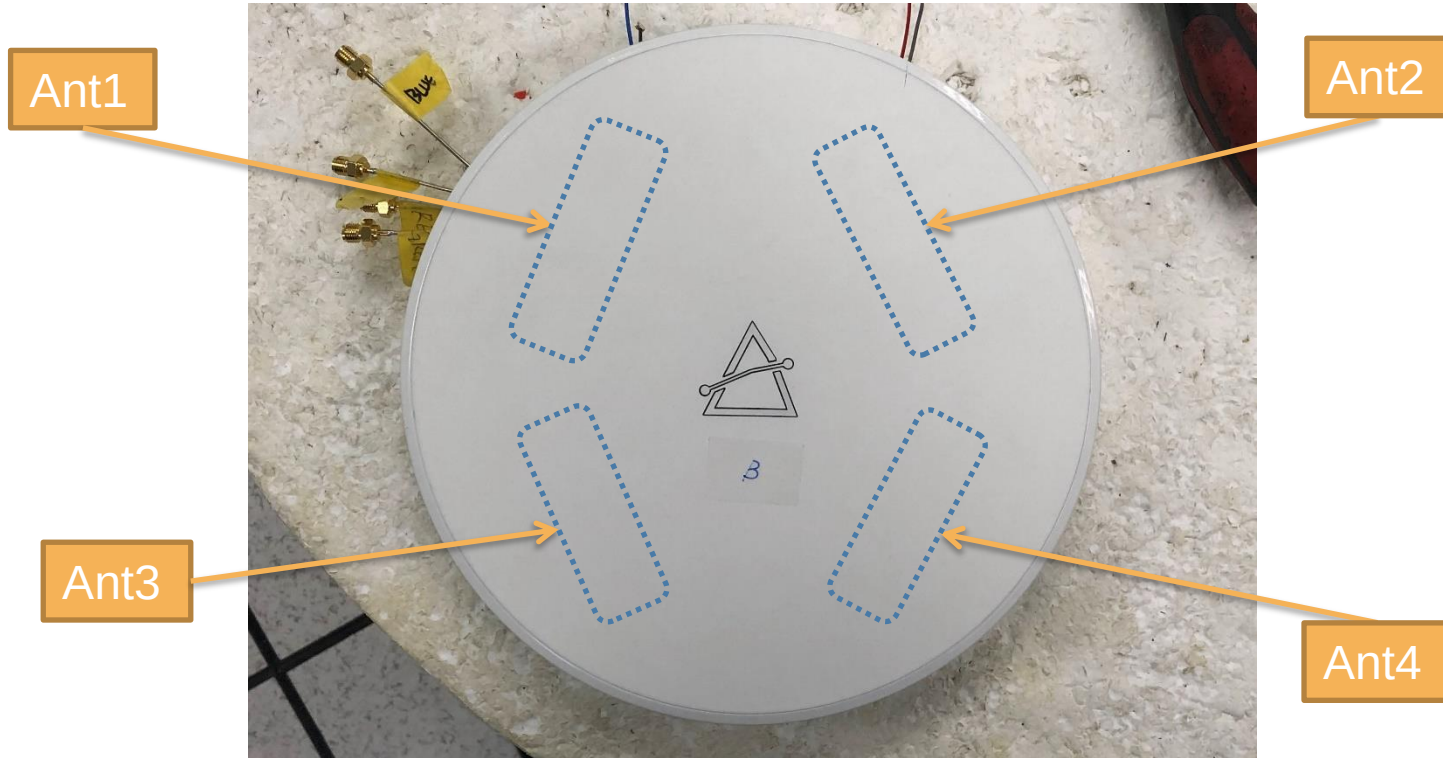
WRTM-373AX Antenna Simulation Report



Antenna Team
March 28, 2023

Gemtek Confidential
Distribution Prohibited

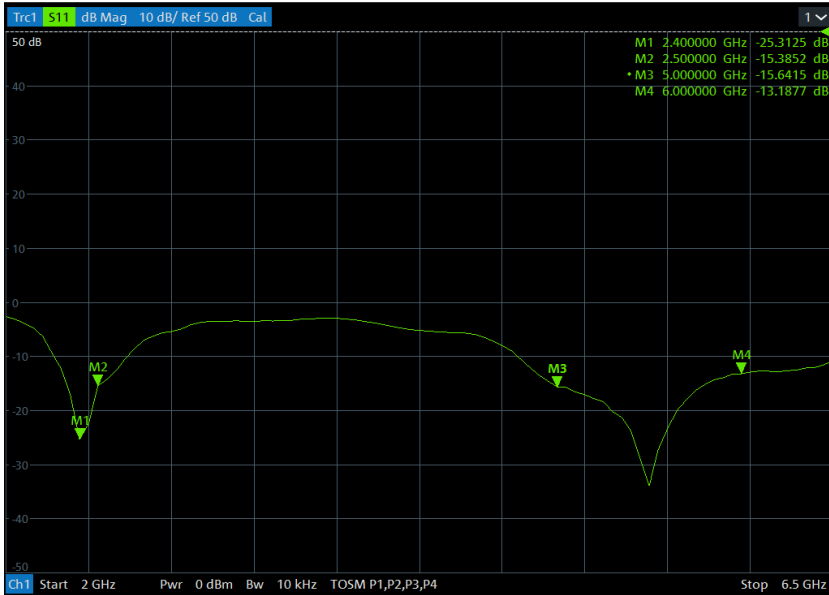
Antenna Set Definition



G Band Antenna Return Loss

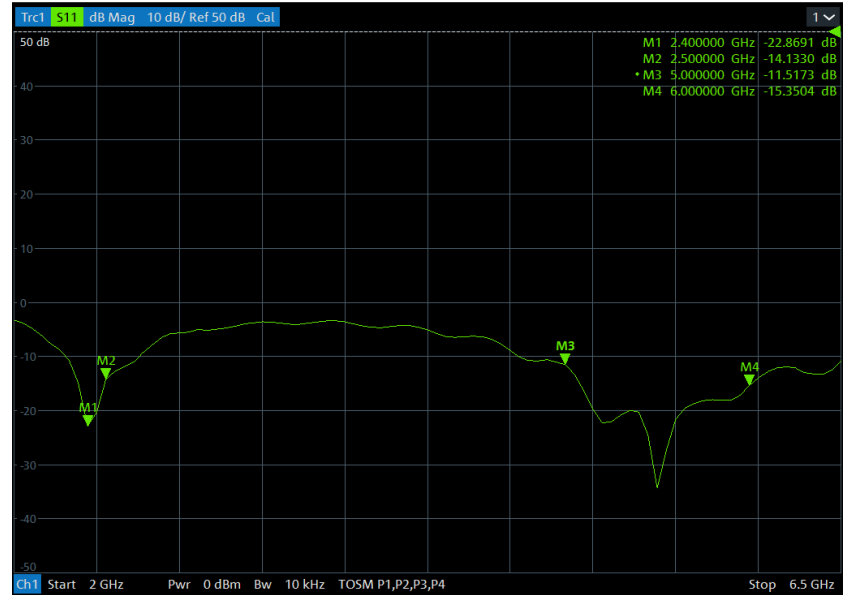
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ANT2

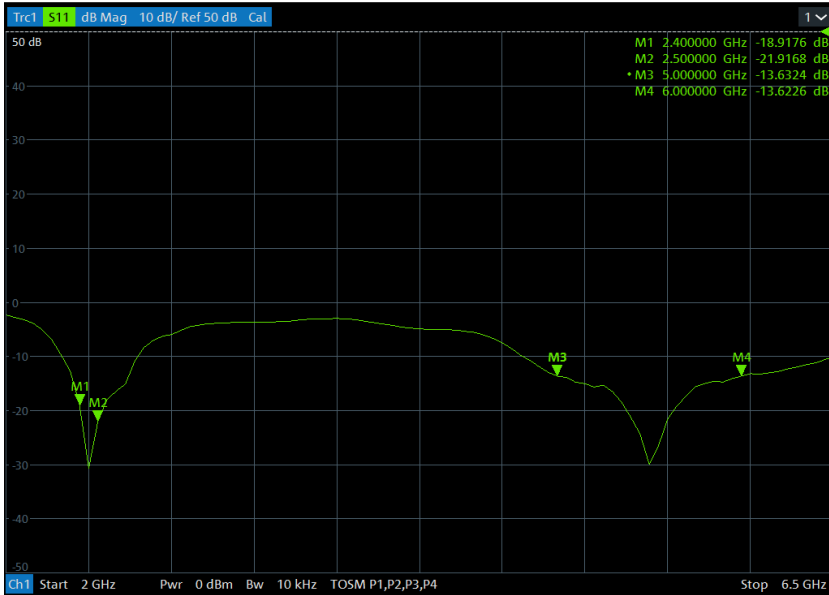
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G Band Antenna Return Loss

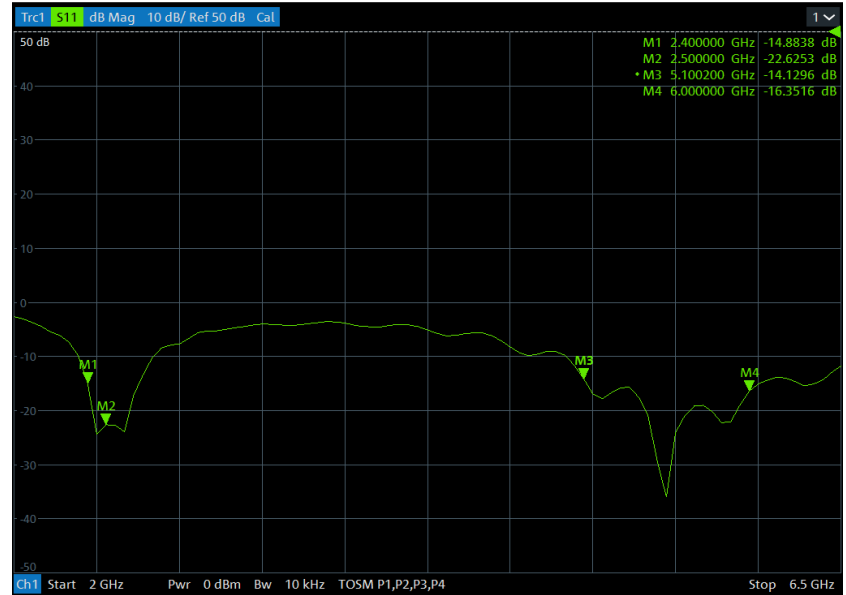
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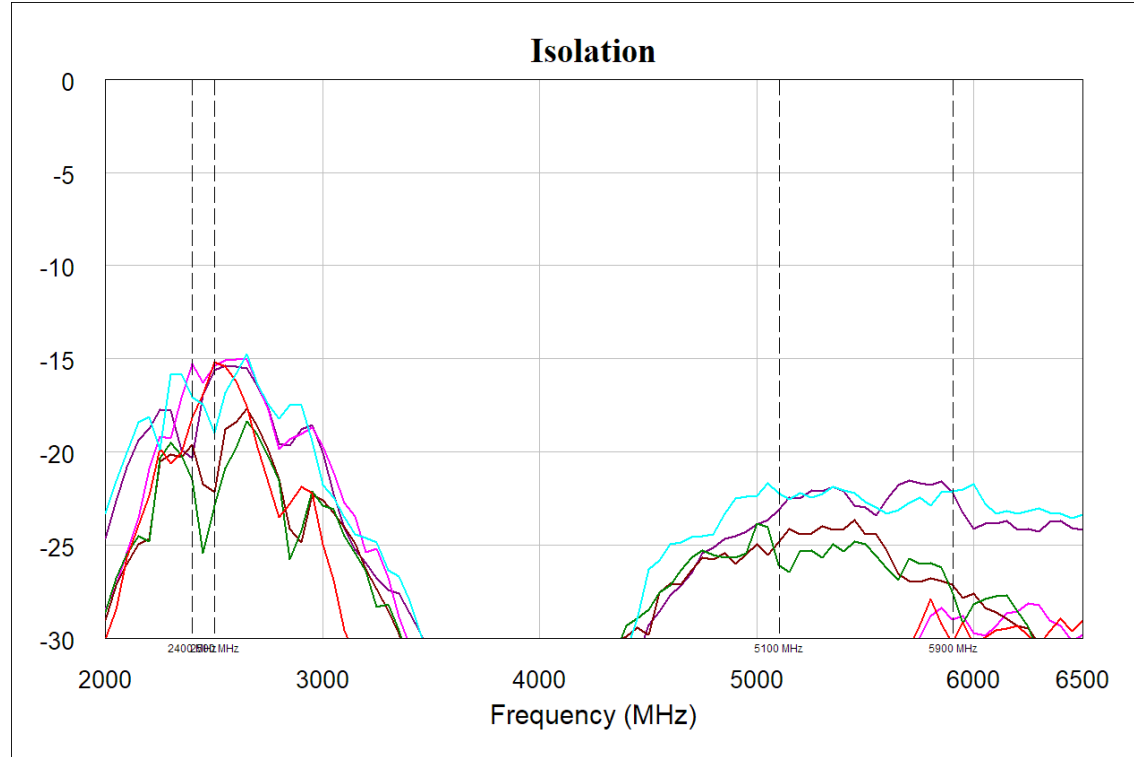


ANT4

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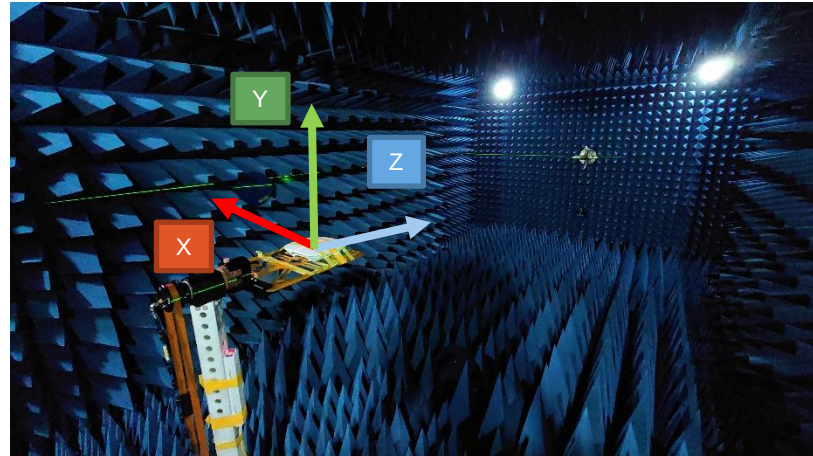
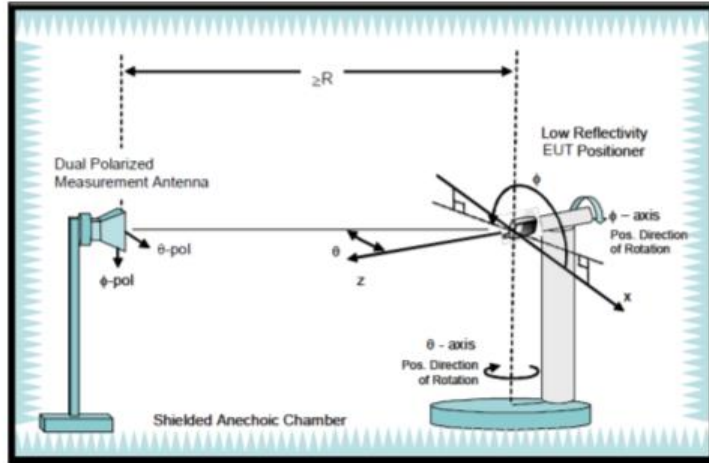


Antenna Isolation

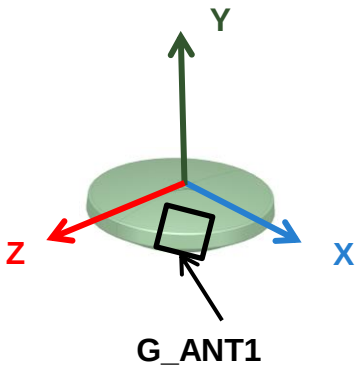
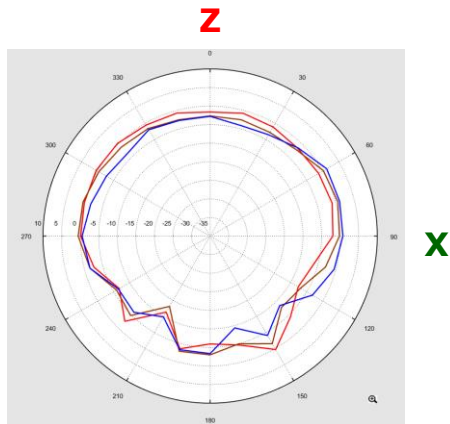


- Ant1 & Ant2
- Ant1 & Ant3
- Ant1 & Ant4
- Ant2 & Ant3
- Ant2 & Ant4
- Ant3 & Ant4

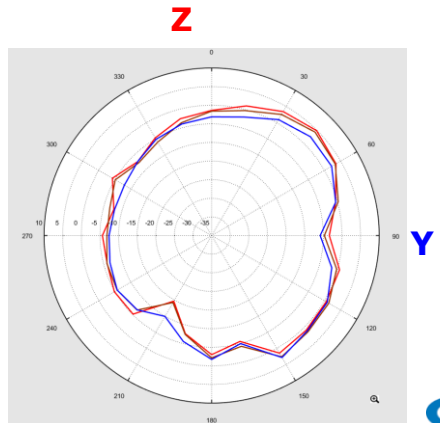
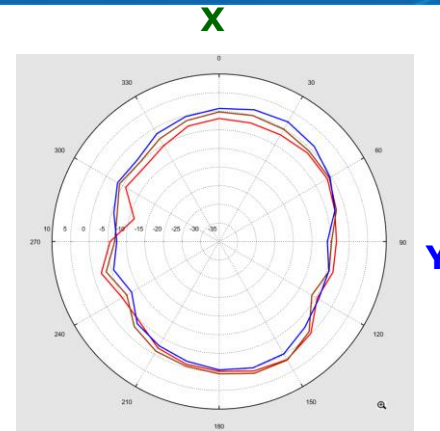
Antenna Coordinate System Definition



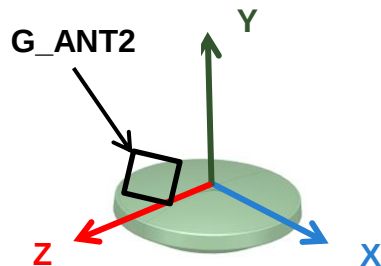
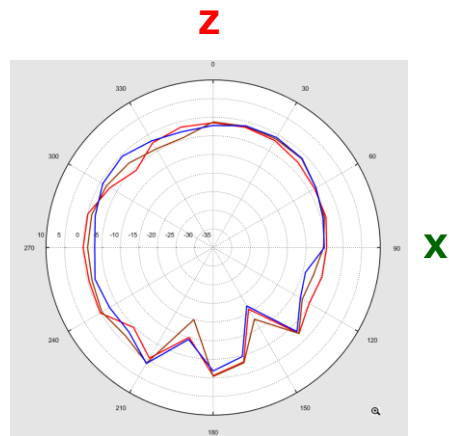
G_ANT1 GainTotal (dBi) Pattern



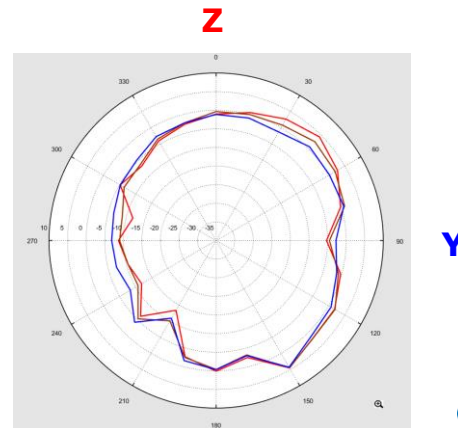
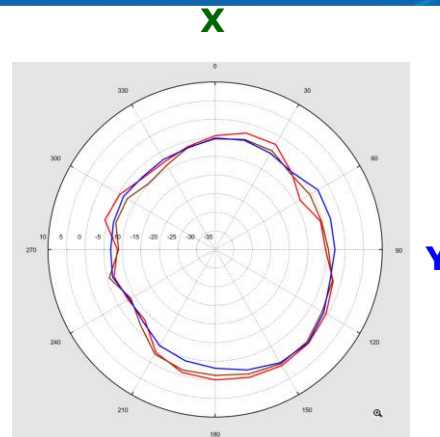
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2450MHz —
2500MHz —



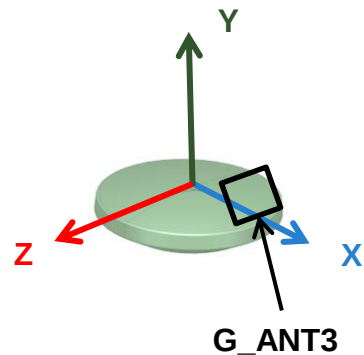
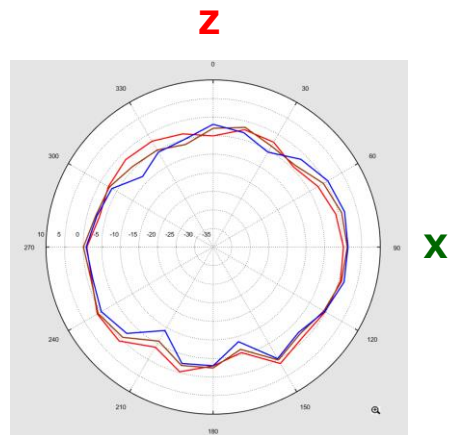
G_ANT2 GainTotal (dBi) Pattern



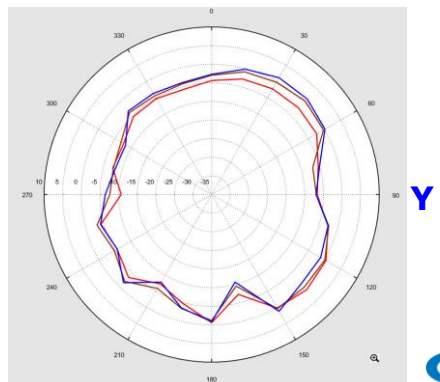
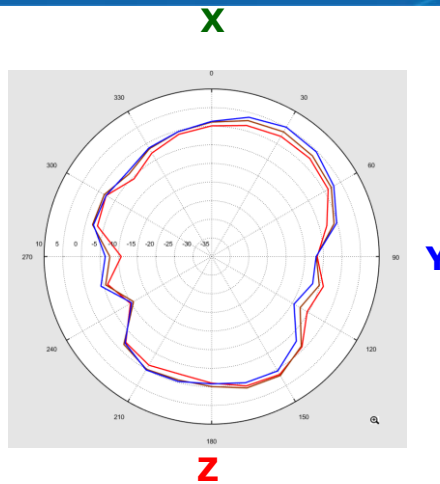
2400MHz —
2450MHz —
2500MHz —



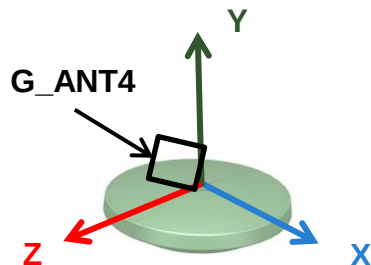
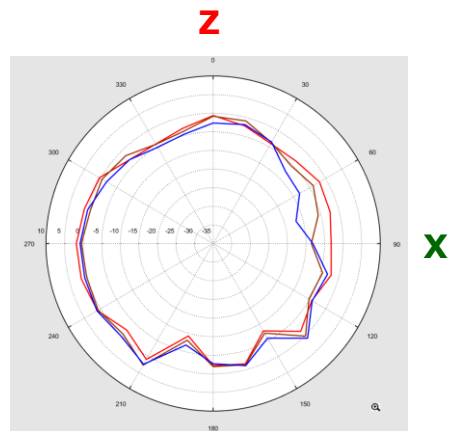
G_ANT3 GainTotal (dBi) Pattern



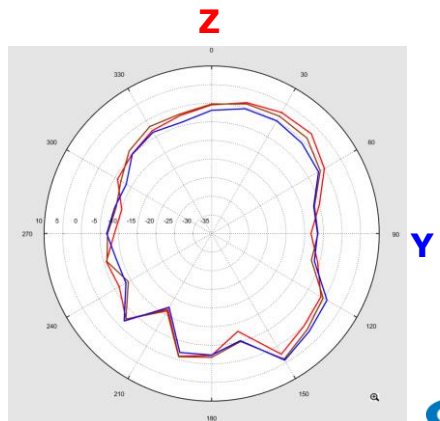
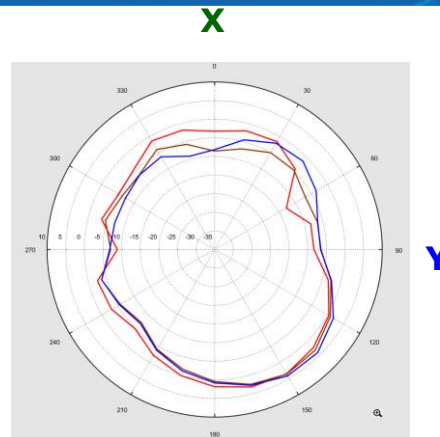
2400MHz —
2450MHz —
2500MHz —



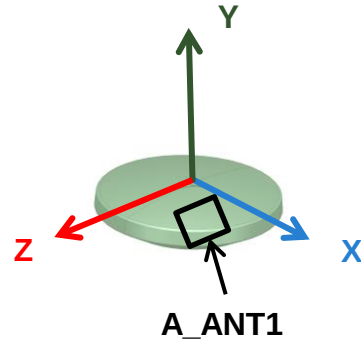
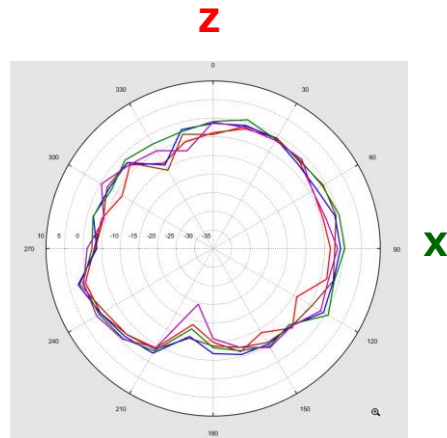
G_ANT4 GainTotal (dBi) Pattern



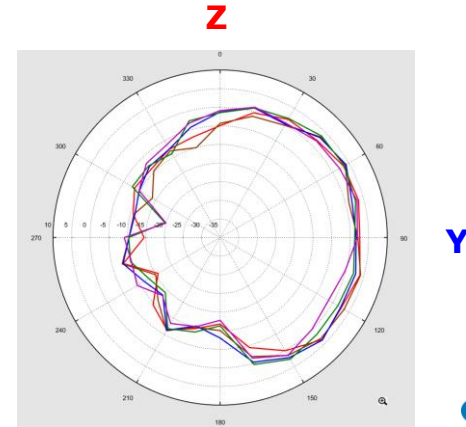
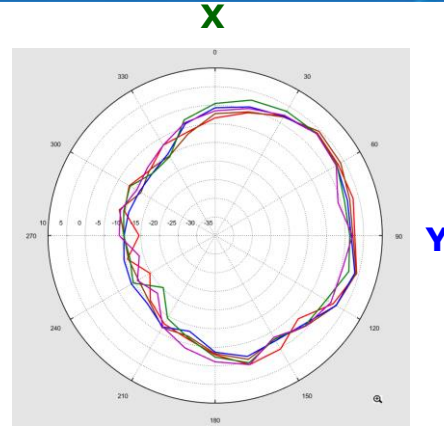
2400MHz —
2450MHz —
2500MHz —



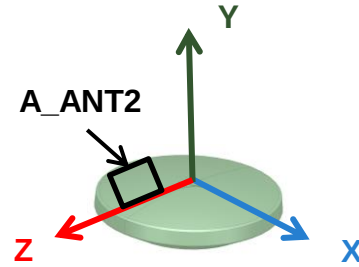
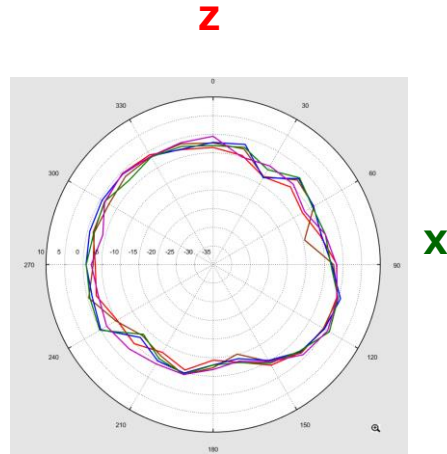
A_ANT1 GainTotal (dBi) Pattern



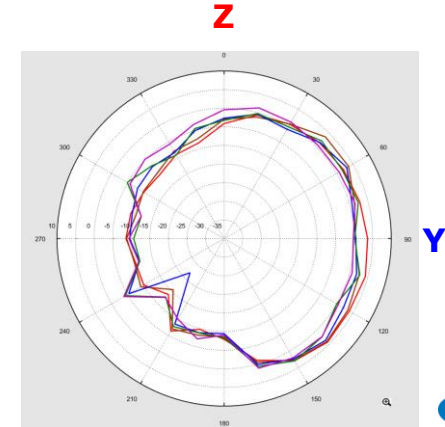
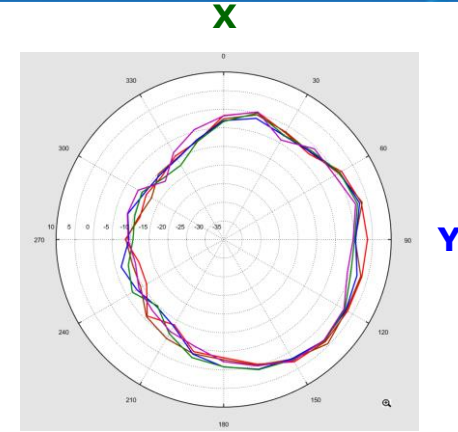
5100MHz —
5300MHz —
5500MHz —
5700MHz —
5900MHz —



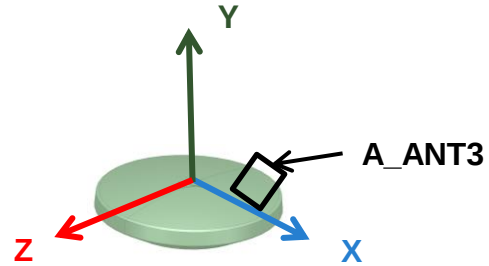
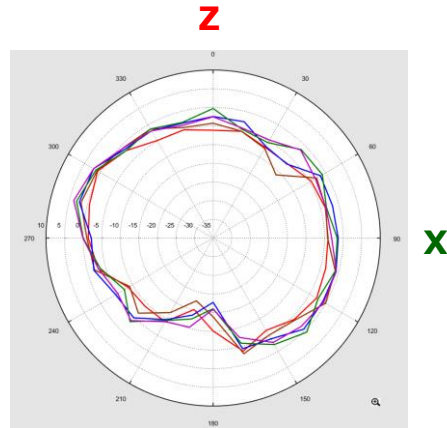
A_ANT2 GainTotal (dBi) Pattern



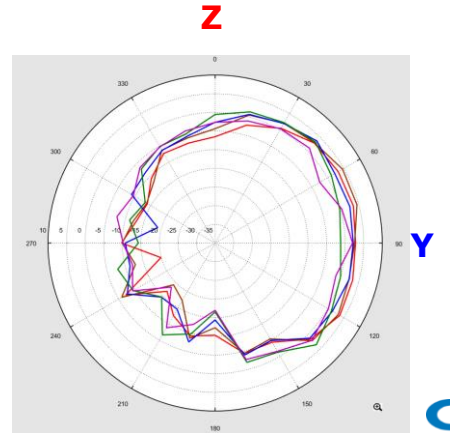
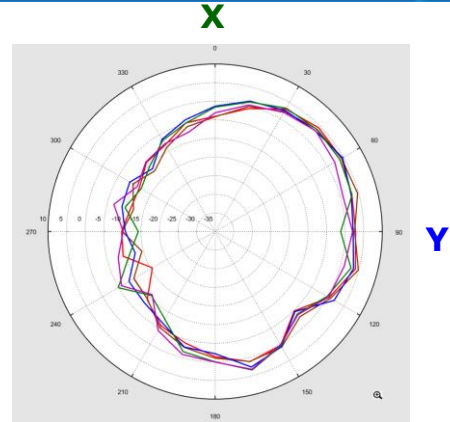
5100MHz —
5300MHz —
5500MHz —
5700MHz —
5900MHz —



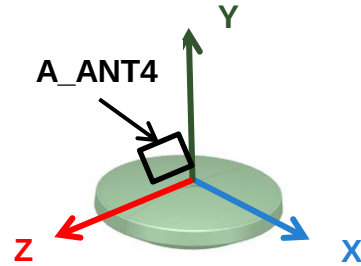
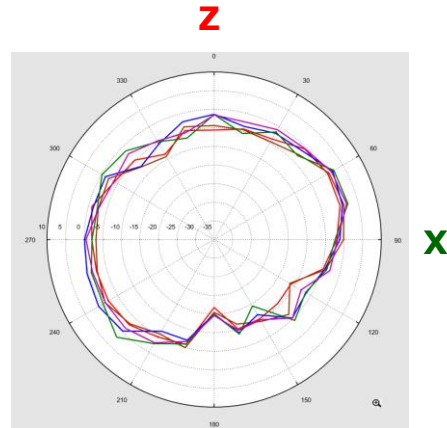
A_ANT3 GainTotal (dBi) Pattern



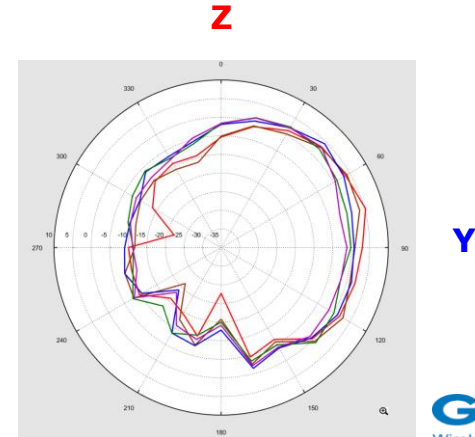
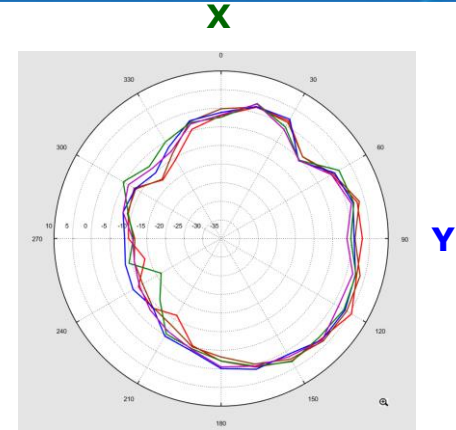
5100MHz —
5300MHz —
5500MHz —
5700MHz —
5900MHz —



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)