



ISO9001 ISO14001 IATF16949 CHILISIN ELECTRONICS CORP.

RoHS & Halogen Free & REACH Compliance.

SPECIFICATION FOR APPROVAL

Customer :

Customer P/N :

Drawing No :

Quantity :

Pcs.

Date :

2020/11/03

Chilisin P/N :

BTPA00460725GC7A01

SPECIFICATION

ACCEPTED BY:

COMPONENT
ENGINEER

ELECTRICAL
ENGINEER

MECHANICAL
ENGINEER

APPROVED

REJECTED

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Drawn by

Checked by

Approved by

[illegible]



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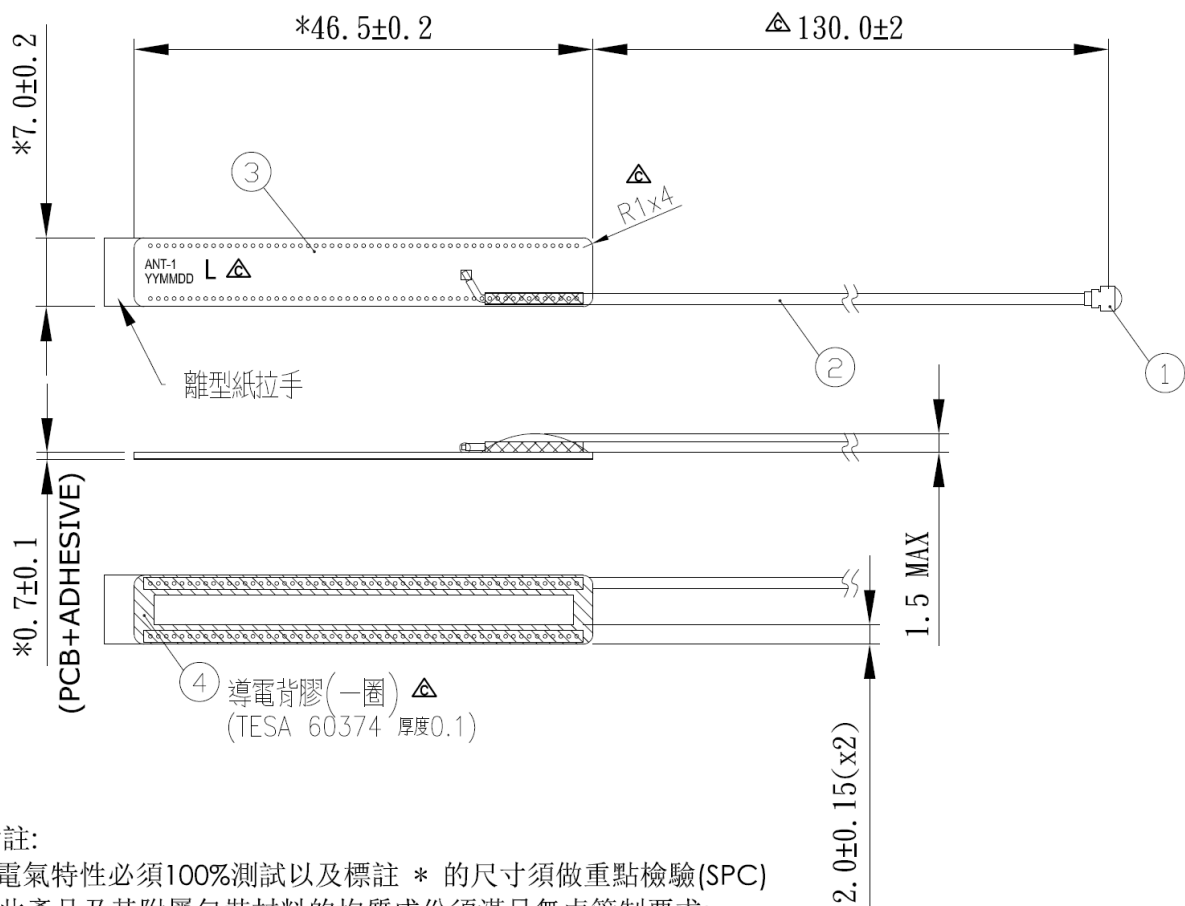
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Mechanical Specification

RoHS COMPLIANT

頻段:
2.4G/5G



備註:

- 電氣特性必須100%測試以及標註 * 的尺寸須做重點檢驗(SPC)
- 此產品及其附屬包裝材料的均質成份須滿足無鹵管制要求:
Br<900ppm, Cl<900ppm, Br+Cl<1500ppm

LTR	DESCRIPTION	DATE	REQ. BY
△	MODIFY_DRAWING	11/03/'20	ALLEN
△	MODIFY_DRAWING	09/15/'20	ALLEN
△	NEW_DRAWING	08/11/'20	ALLEN

NO	DESCRIPTION	QTY	REMARK
6		1	
5		1	
4	導電背膠 TESA 60374(厚度0.1mm) △	1	
3	PCB FR4 46.5mm x 7mm x 0.6mm	1	
2	Cable 1.13MM LOW LOSE COAXIAL CABLE (白色)	1	
1	Connector I-PEX一代端子	1	

設計 DR.	核准 APPD.
ALLEN	TASON
2020/11/03	2020/11/03
版本說明	REVISION NOTE
CHILISIN	

容許公差	TOLERANCE
.XXX	±0.10
.XX	±0.20
.X	±0.35
X	±1.00
ANG	±5

品名	ASM, ANTENNA-1(左)
BTPA00460725GC7A01	
單位 UNIT	mm
比例 SCALE	1:1
張數 SHEET	1/1
版本 REV.	△C



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RF Specification

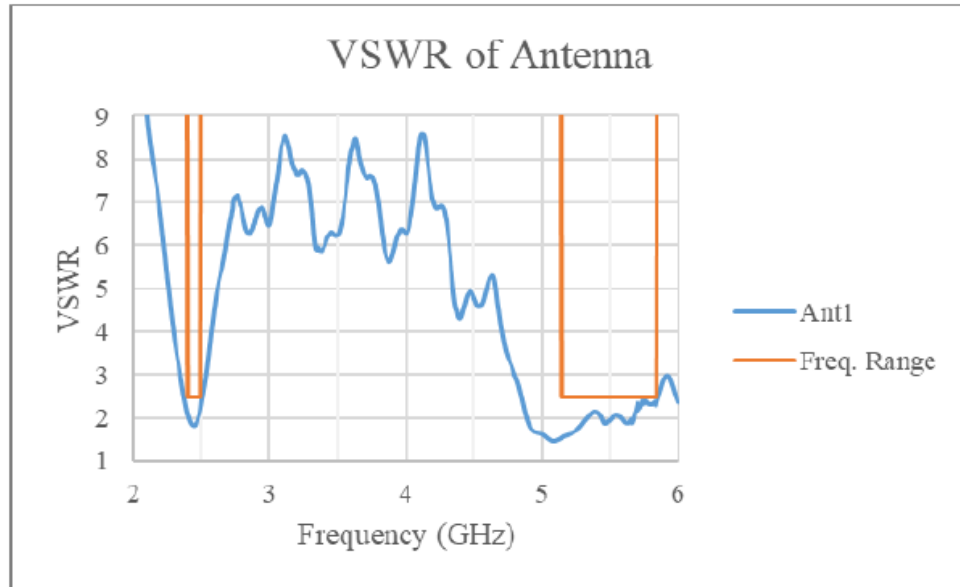
Electrical		
Item	Specification	Note
Test Environment	Free Space	
Antenna Type	Slot	
Frequency Range	Dual Band 2.4GHz / 5GHz	
VSWR	< 2.5	
Efficiency	> 40 %	
Polarization	Linear	
Input Impedance	50 ohm	



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Test Report

VSWR_Ant1

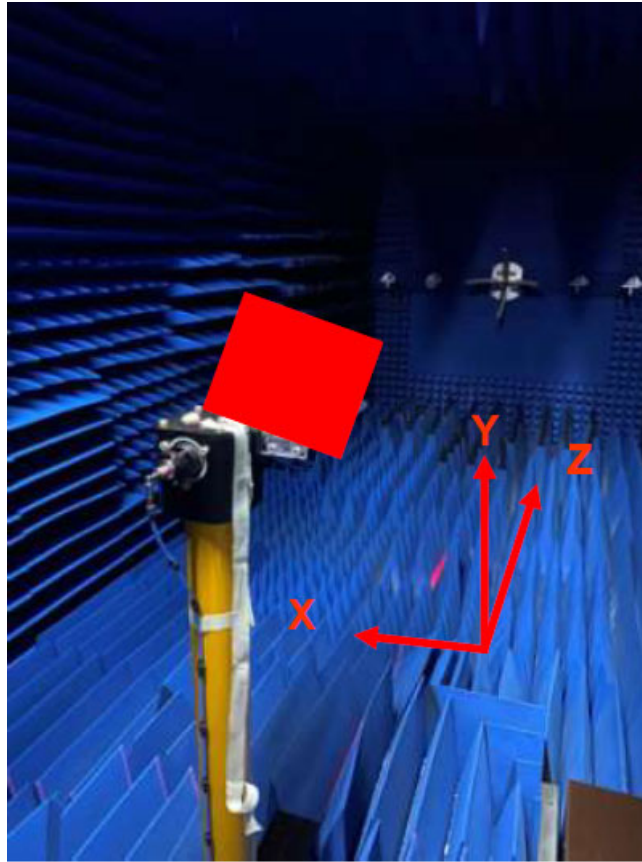


Freq.	VSWR
2400	2.08
2450	1.81
2500	2.29
5150	1.53
5500	1.94
5850	2.39



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3D Peak Gain & Efficiency List Table

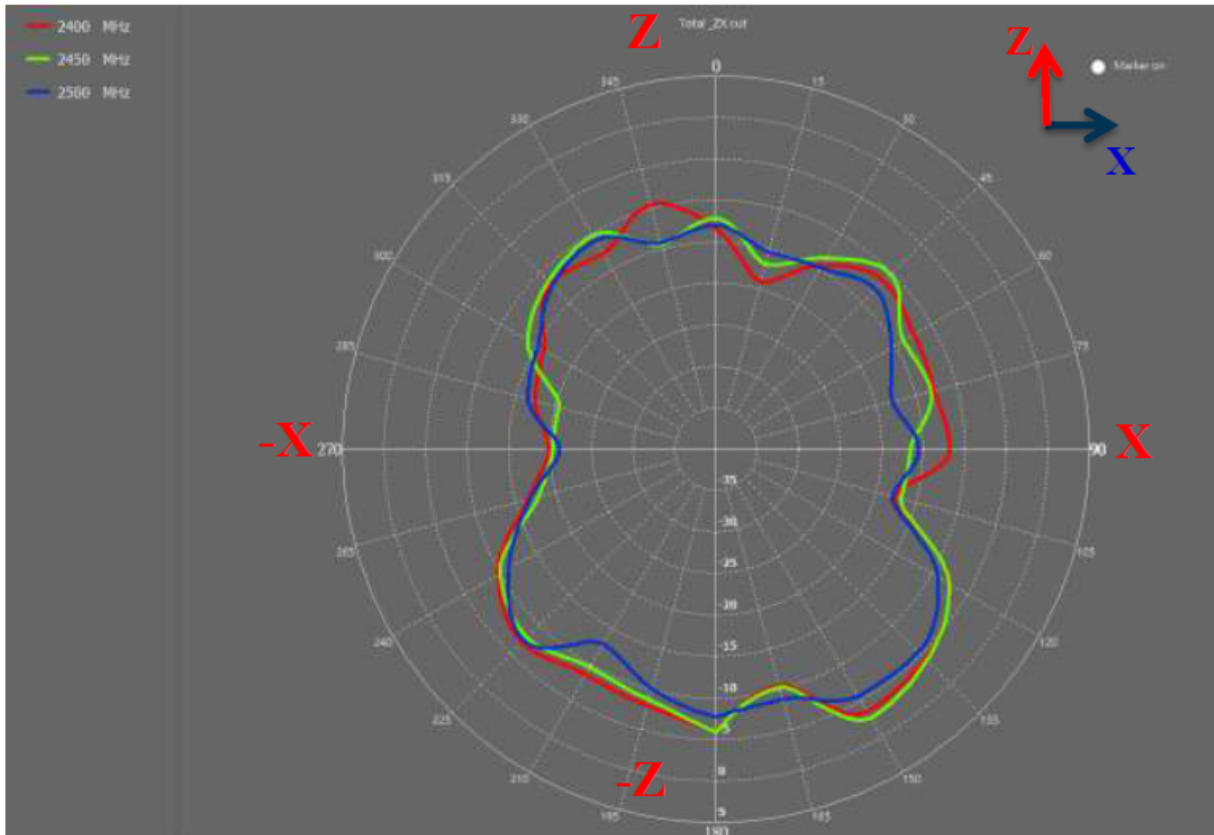


	Ant1		
Total/ Freq.	Eff.(%)	Eff.(dB)	Peak Gain (dBi)
2400	39.99	-3.98	2.80
2450	40.93	-3.88	2.91
2500	36.73	-4.35	1.93
5150	40.18	-3.96	2.52
5500	41.98	-3.77	2.68
5850	36.48	-4.38	1.97

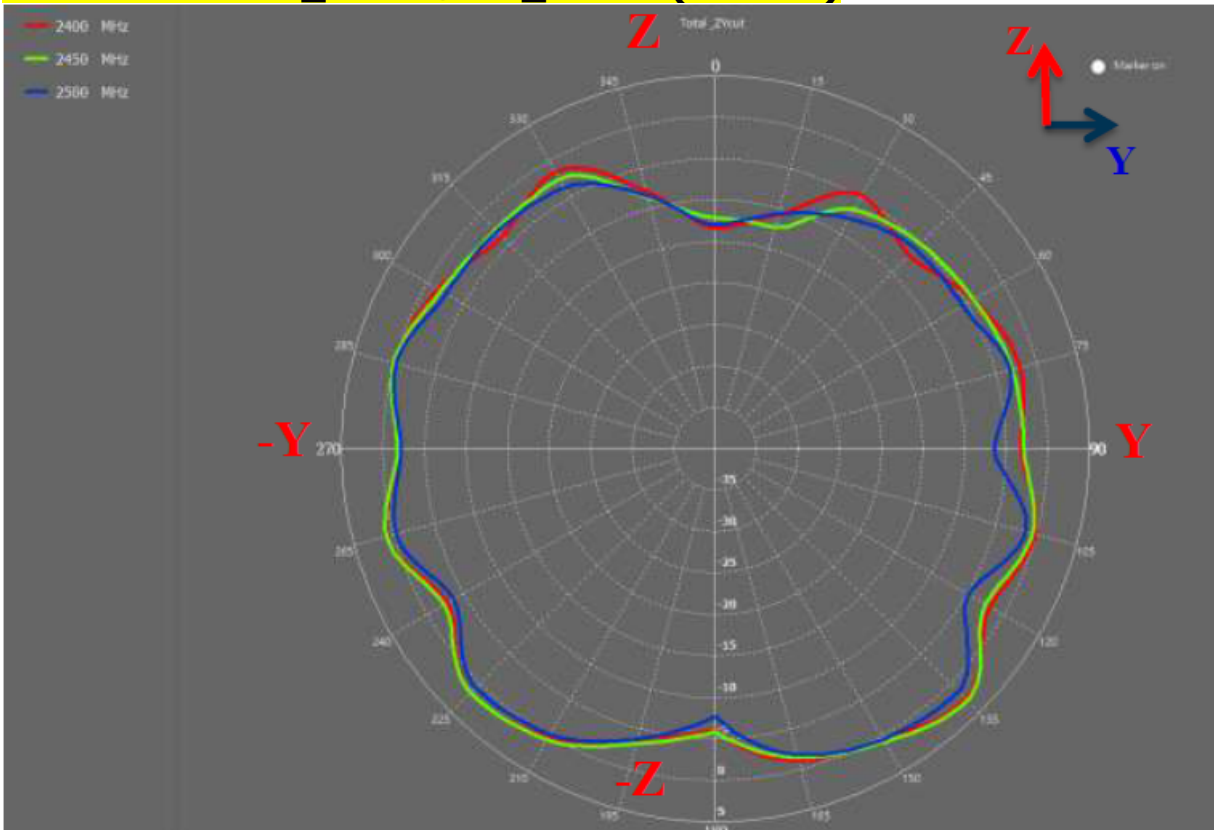


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2D Gain Pattern_Ant1 @2G _ZX Cut(Phi=0)



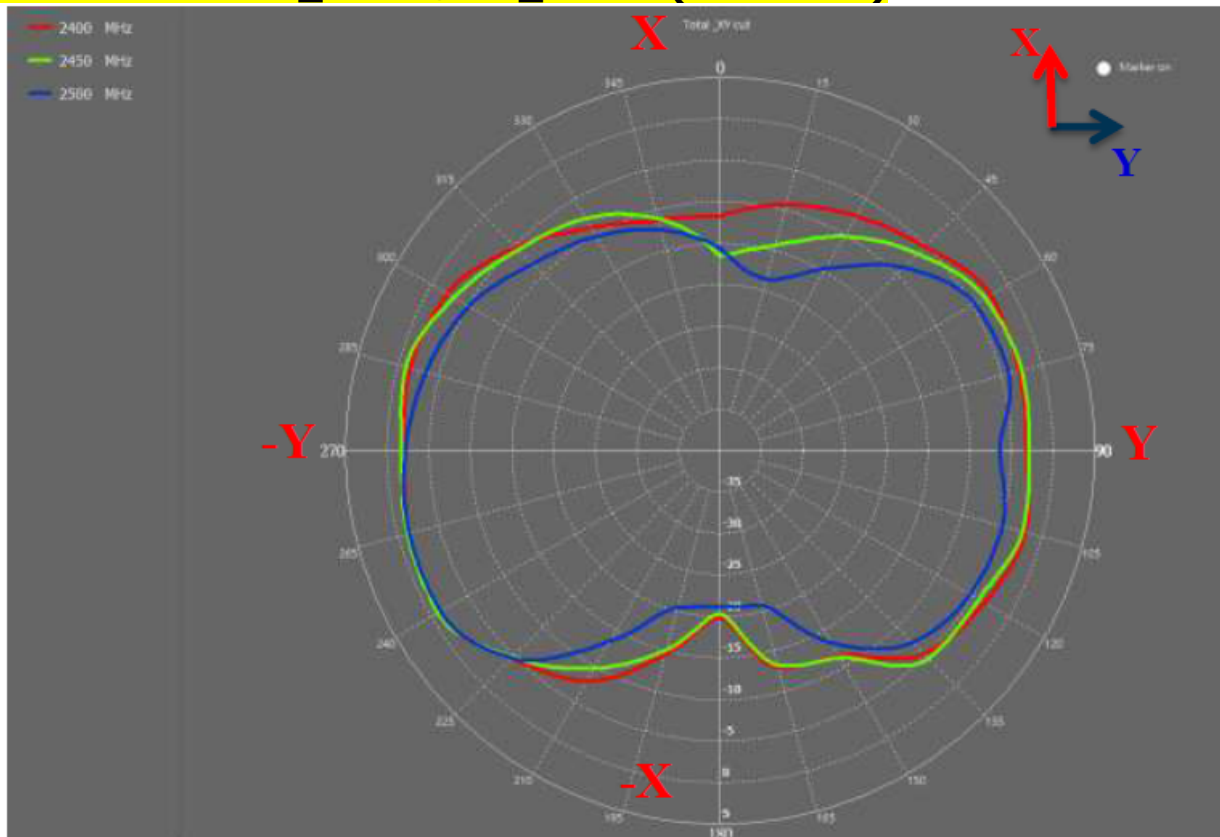
2D Gain Pattern_Ant1 @2G _ZY Cut(Phi=90)



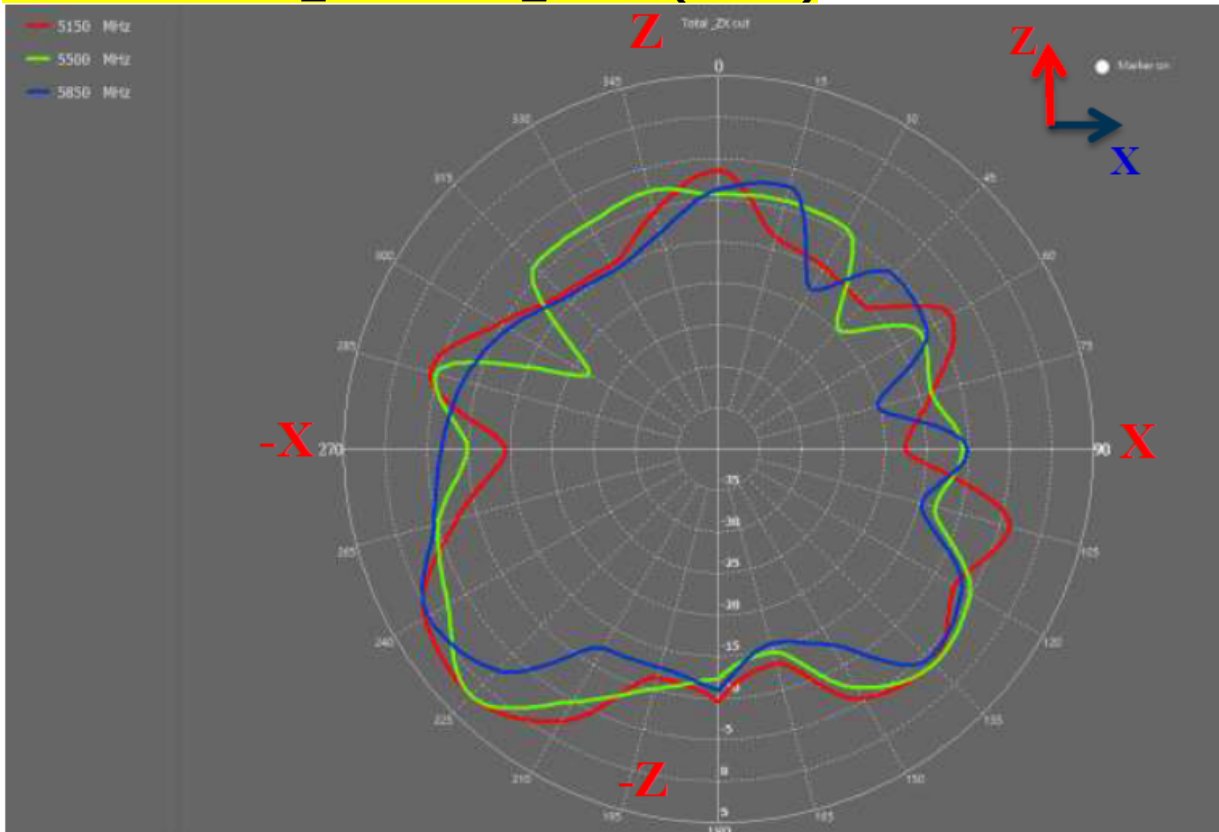


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2D Gain Pattern_Ant1 @2G _XY Cut(Theta=90)



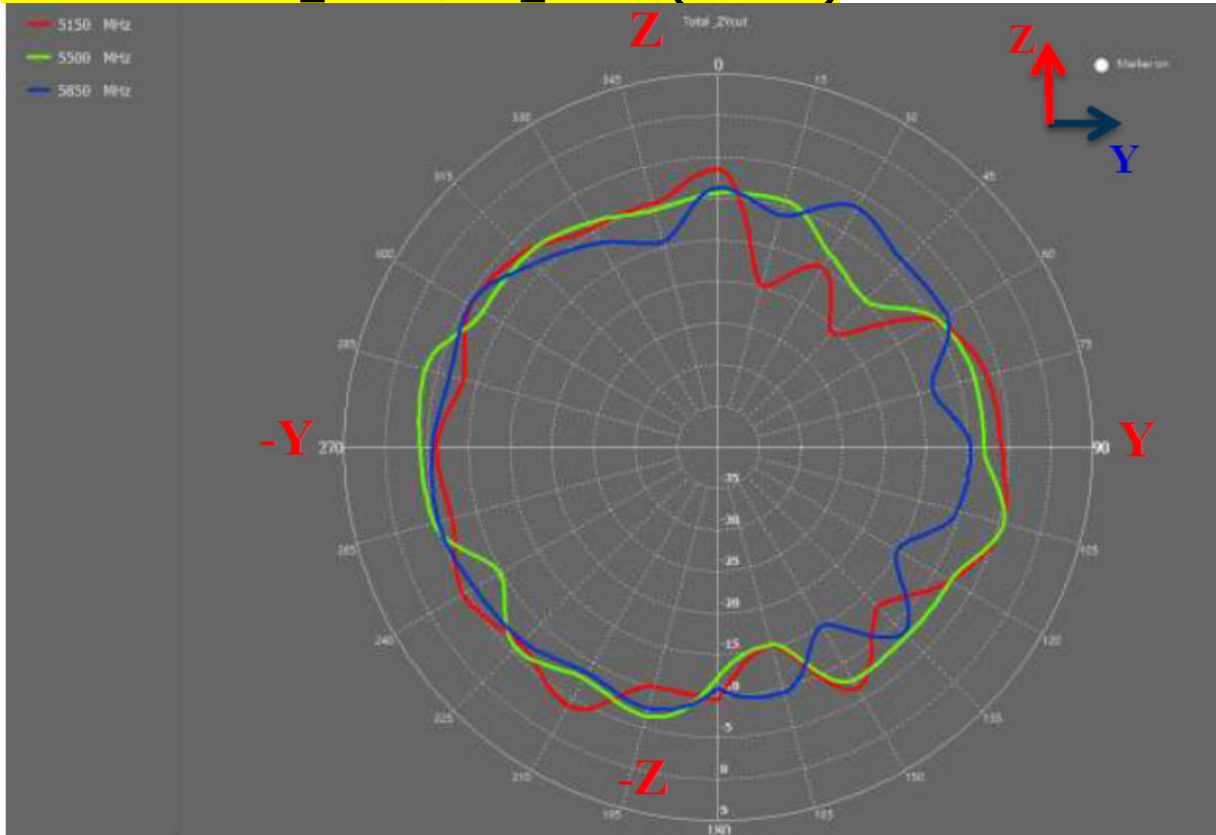
2D Gain Pattern_Ant1 @5G _ZX Cut(Phi=0)



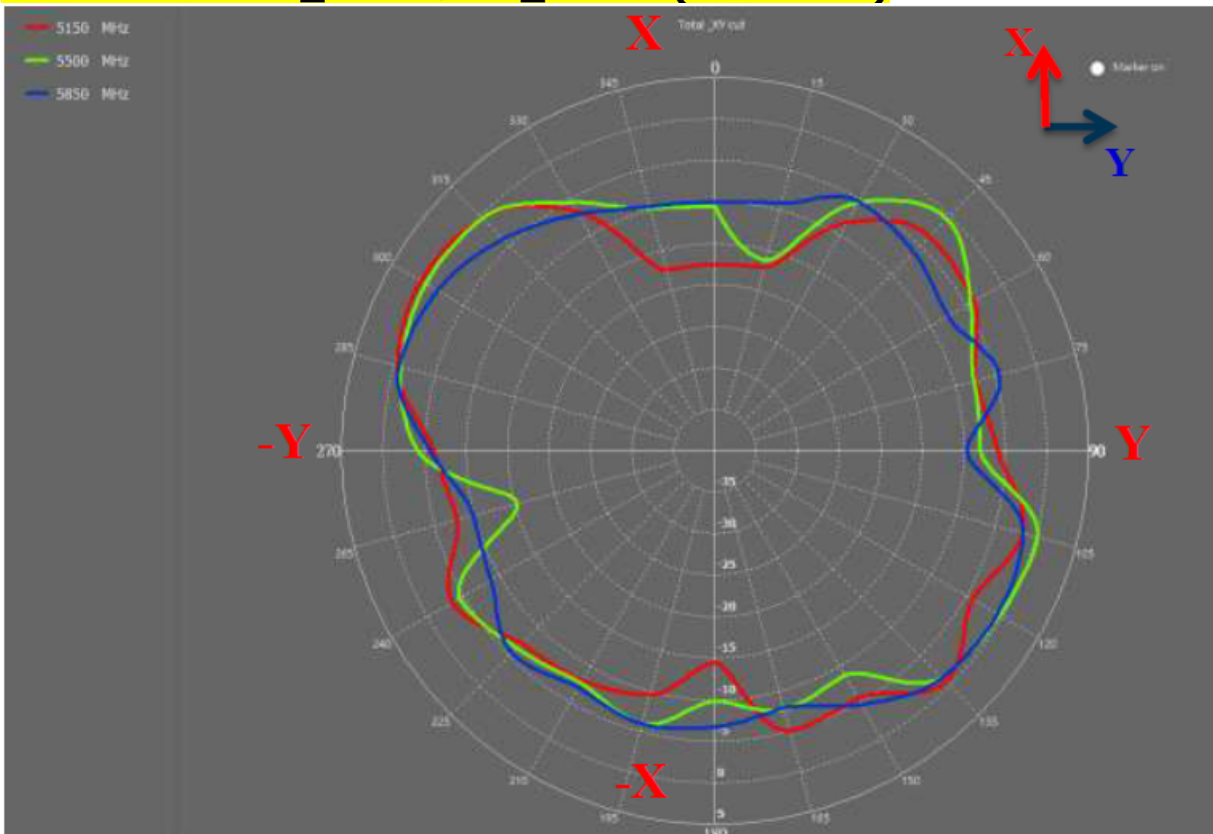


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2D Gain Pattern_Ant1 @5G _ZY Cut(Phi=90)



2D Gain Pattern_Ant1 @5G _XY Cut(Theta=90)





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3D Radiation Pattern

