



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 :

BTPA00460725GC7A02

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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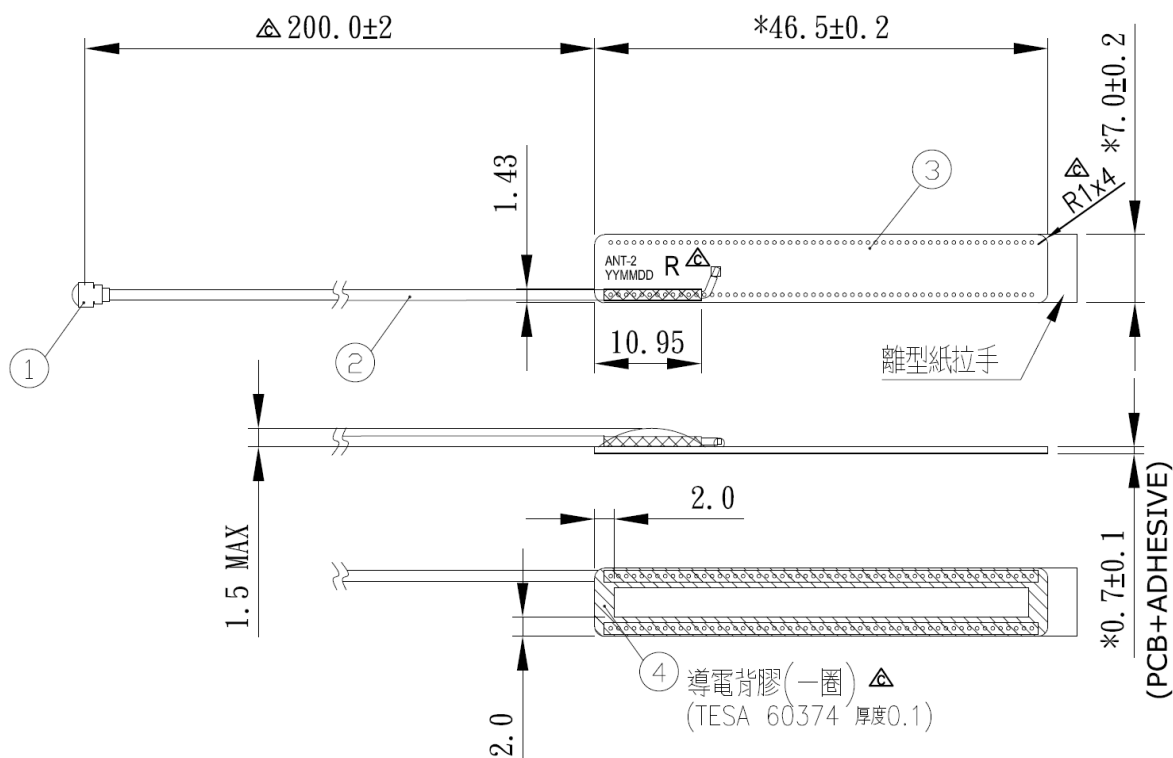
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1		

Mechanical Specification

RoHS COMPLIANT

頻段:
2.4G/5G



備註:

- 1.電氣特性必須100%測試以及標註 * 的尺寸須做重點檢驗(SPC)
2.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

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

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 (黑色)	1	
1	Connector	I-PEX一代端子	1	
NO	DESCRIPTION		QTY	REMARK

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

容許公差	TOLERANCE
.XXX	± 0.20
.XX	± 0.35
.X	± 0.50
X	± 1.00
ANG	± 5

品名
ASM, ANTENNA-2(右)
BTPA00460725GC7A02

CHILISIN		單位 UNIT	比例 SCALE	張數 SHEET	版本 REV.
		mm	1:1	1/1	C



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RF Specification

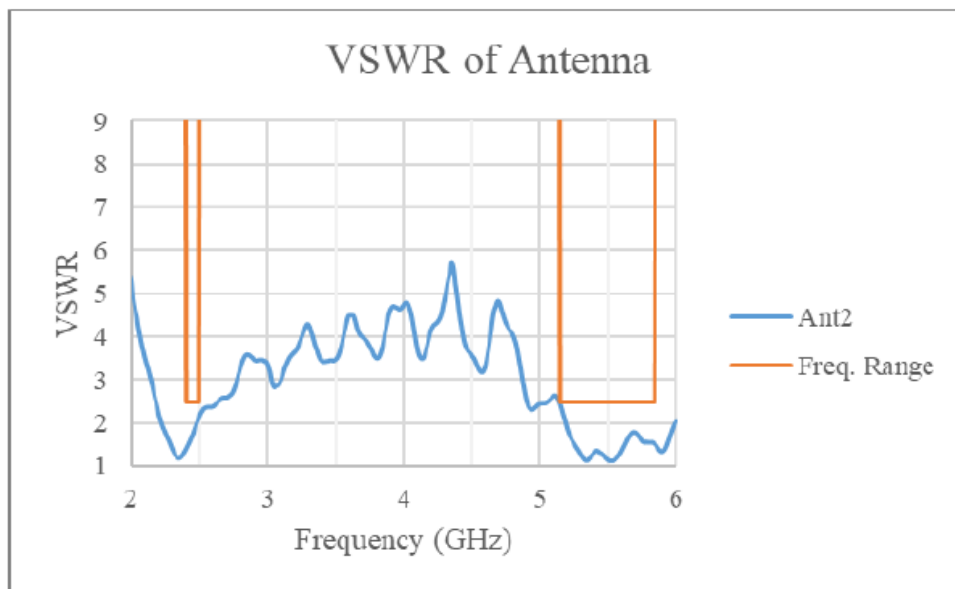
Electrical		
Item	Specification	Note
Test Environment	Free Space	
Antenna Type	Slot	
Frequency Range	Dual Band 2.4GHz / 5GHz	
VSWR	< 2.5	
Efficiency	> 40 %	
Polarization	Linear	
Input Impedance	50 ohm	



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Test Report

VSWR_Ant2

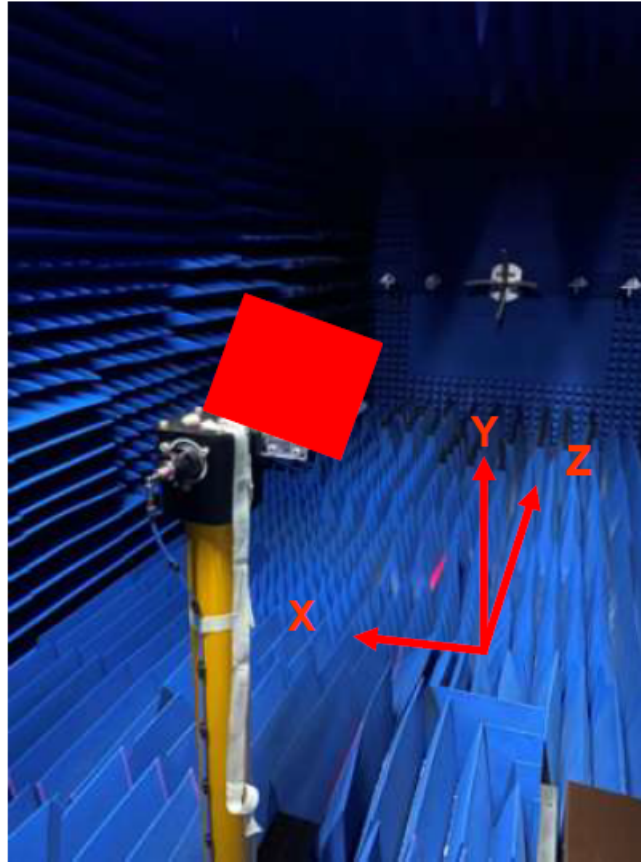


Freq.	VSWR
2400	1.40
2450	1.74
2500	2.17
5150	2.44
5500	1.14
5850	1.50



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3D Peak Gain & Efficiency List Table

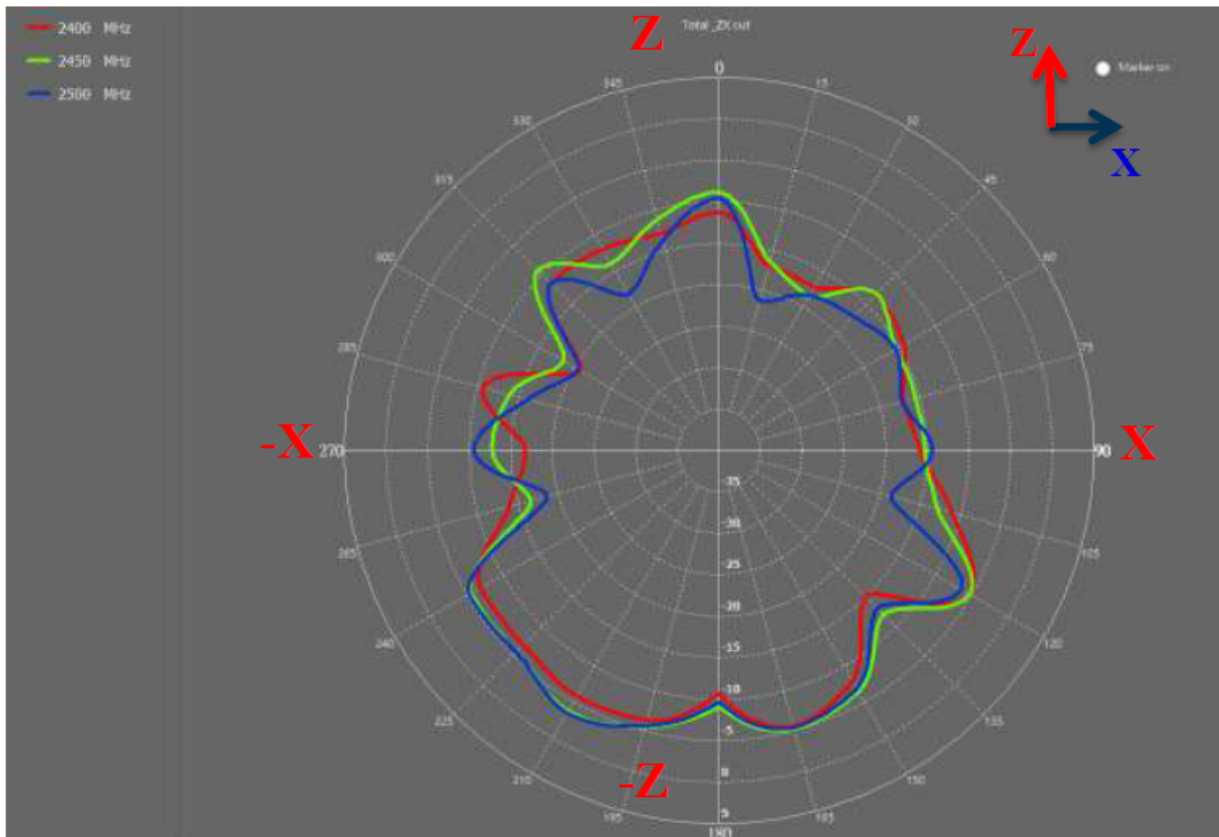


	Ant2		
Total/ Freq.	Eff.(%)	Eff.(dB)	Peak Gain (dBi)
2400	35.48	-4.50	2.92
2450	41.59	-3.81	3.91
2500	40.74	-3.90	3.84
5150	37.67	-4.24	2.01
5500	47.97	-3.19	2.56
5850	36.90	-4.33	1.92

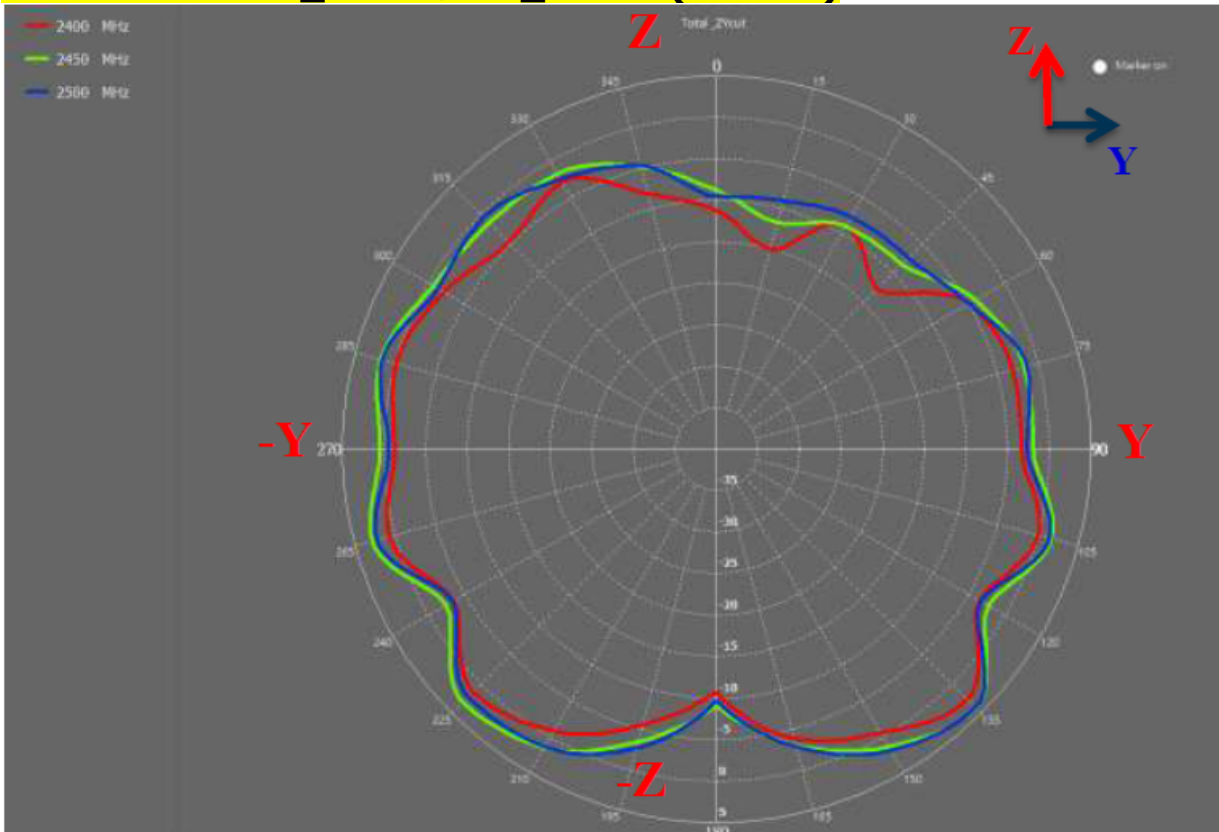


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2D Gain Pattern_Ant2 @2G _ZX Cut(Phi=0)



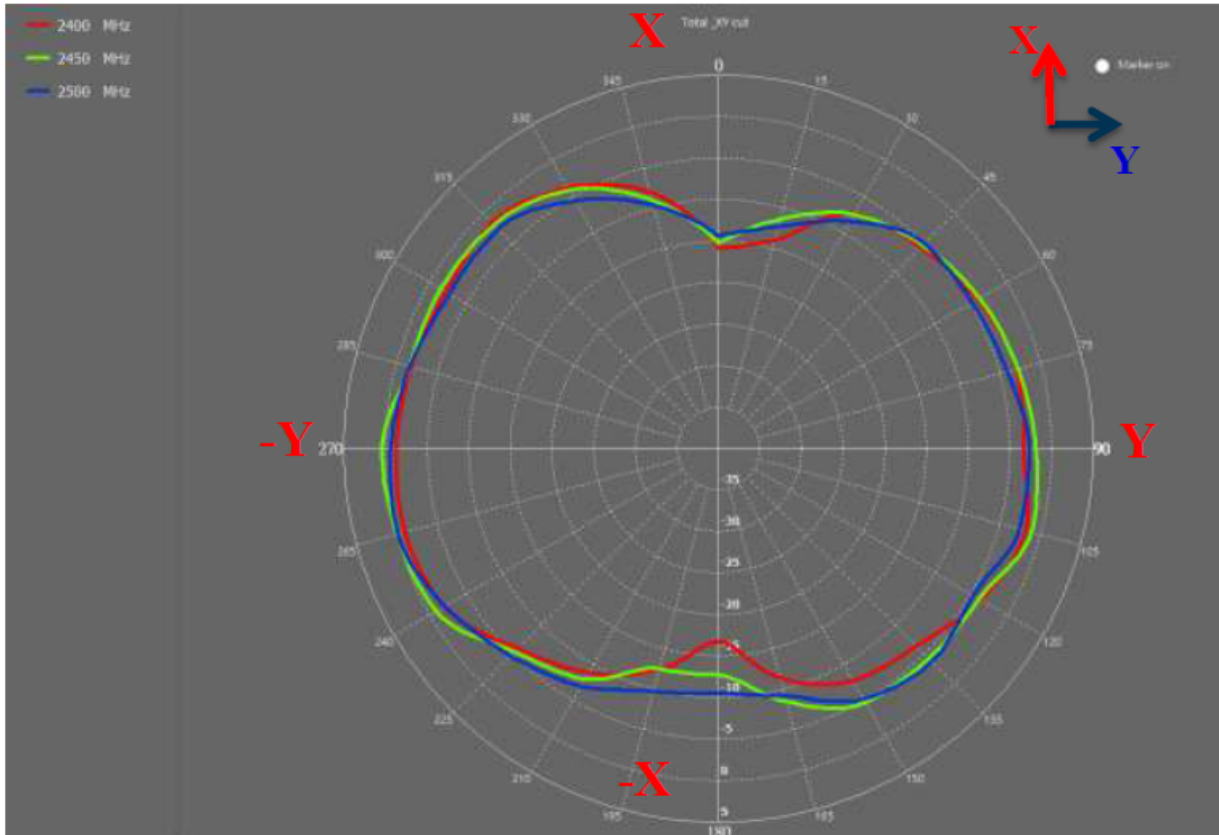
2D Gain Pattern_Ant2 @2G _ZY Cut(Phi=90)



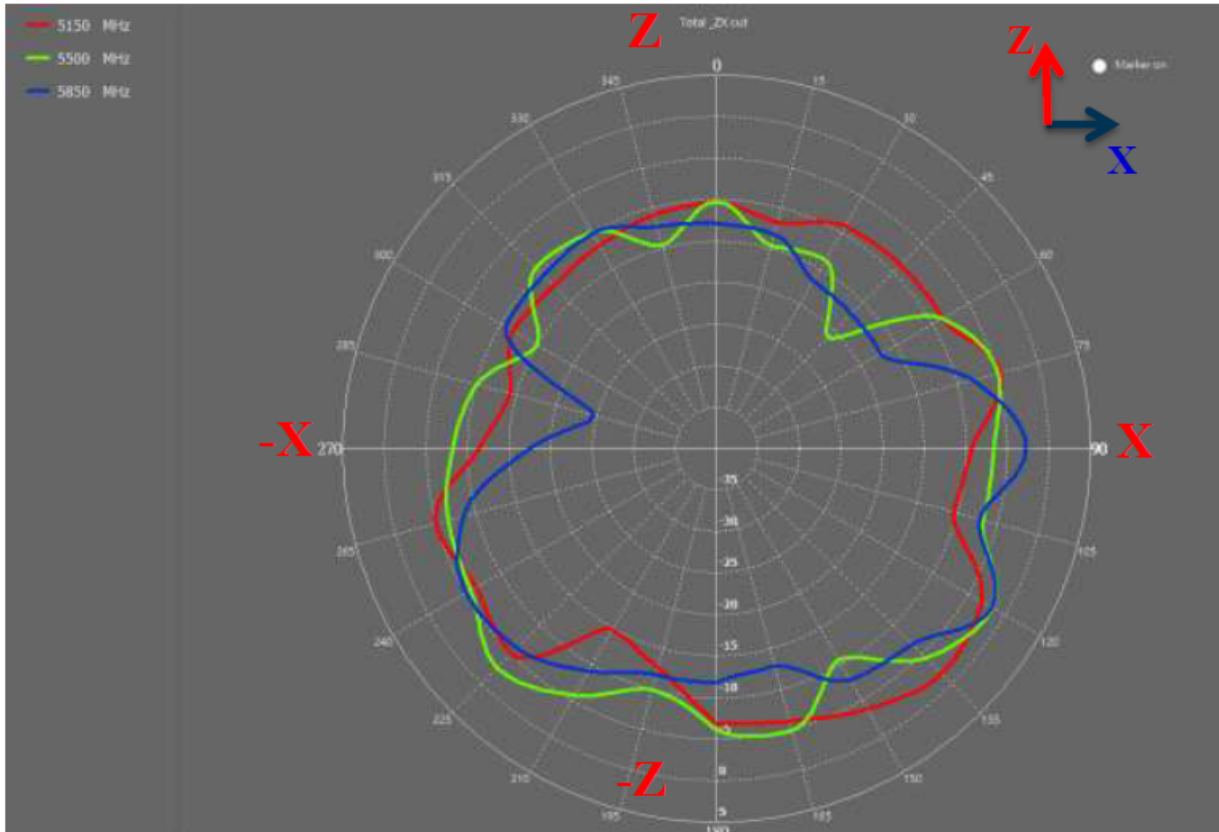


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2D Gain Pattern_Ant2 @2G _XY Cut(Theta=90)



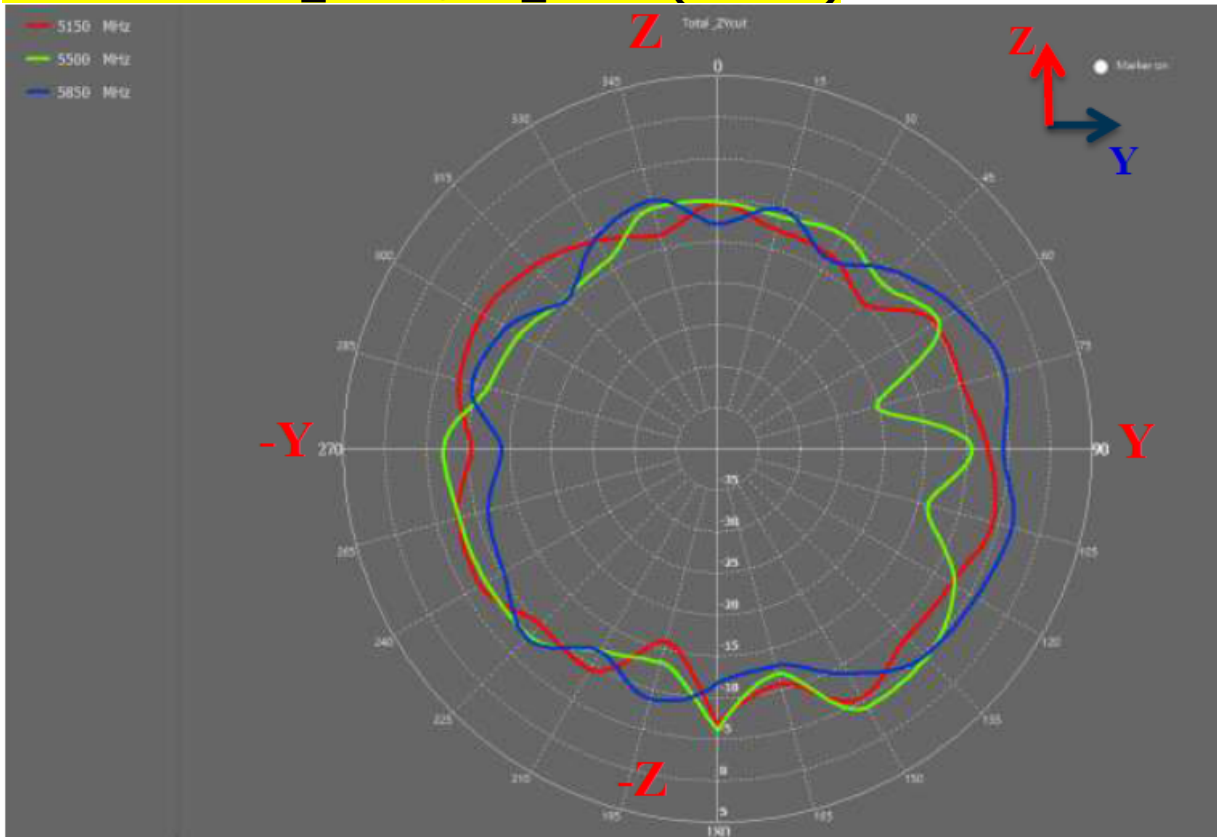
2D Gain Pattern_Ant2 @5G _ZX Cut(Phi=0)



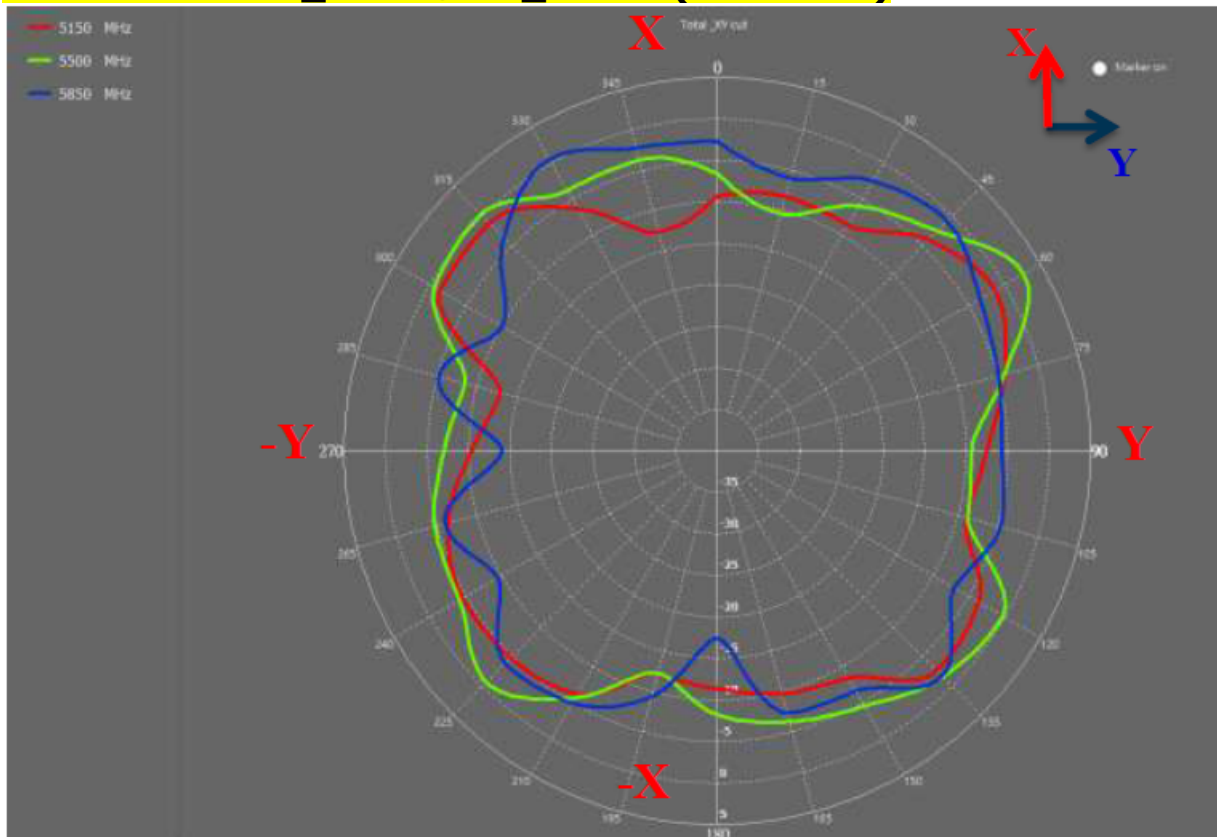


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2D Gain Pattern_Ant2 @5G _ZY Cut(Phi=90)



2D Gain Pattern_Ant2 @5G _XY Cut(Theta=90)





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3D Radiation Pattern

