



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:

<b>COMPONENT ENGINEER</b>	
<b>ELECTRICAL ENGINEER</b>	
<b>MECHANICAL ENGINEER</b>	
<b>APPROVED</b>	
<b>REJECTED</b>	

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Drawn by

Checked by

Approved by





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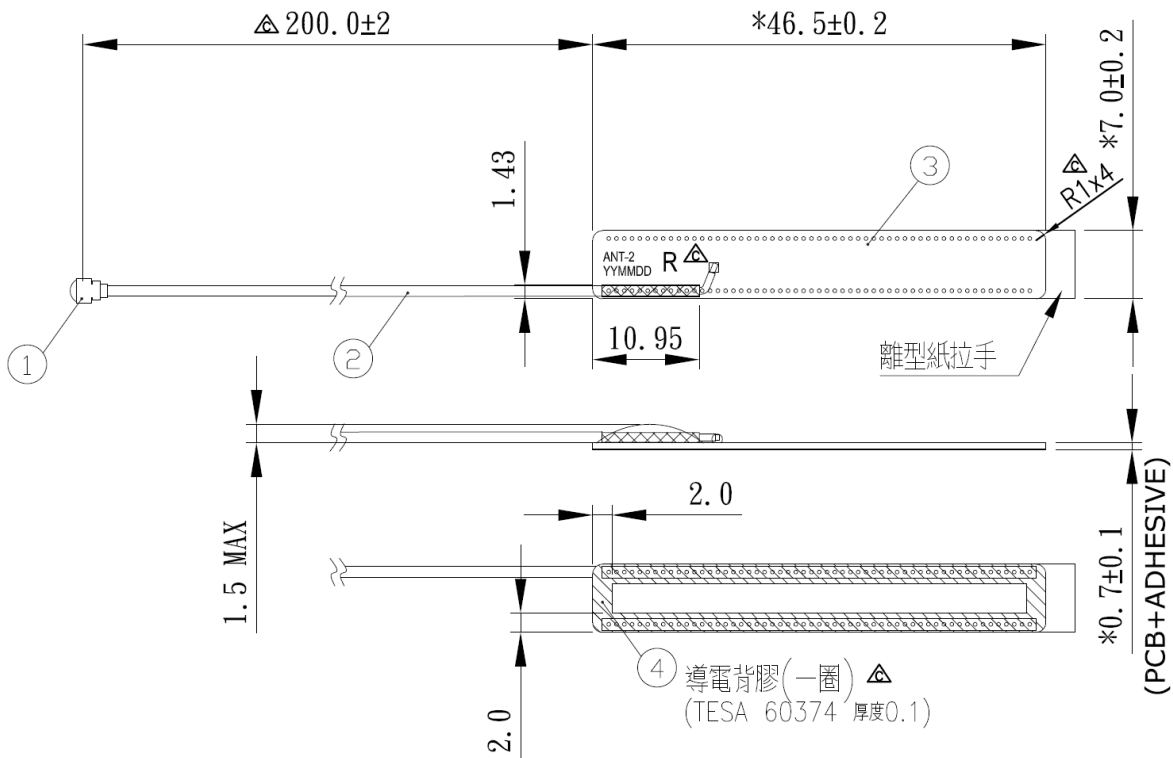
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# Mechanical Specification

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

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

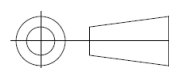
NO	DESCRIPTION	QTY	REMARK
6		1	
5		1	
4	導電背膠 TESA 60374(厚度0.1mm) △	1	
3	PCB FR4 46.5mm x 7mm x 0.6mm	1	
2	Cable 1.13MM LOW LOSE COAXIAL CABLE (黑色)	1	
1	Connector I-PEX一代端子	1	

設計 DR.	核准 APPD.
ALLEN 2020/11/03	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



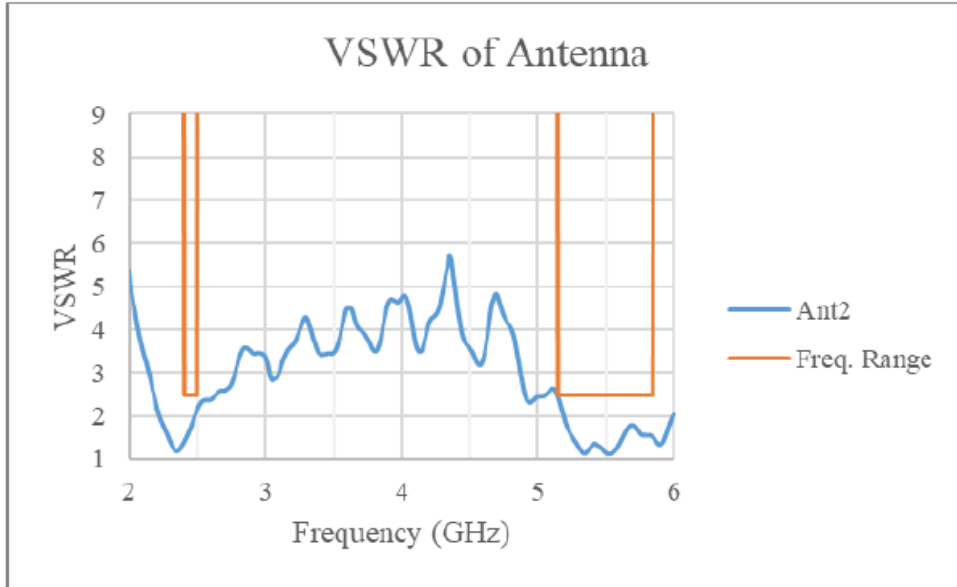
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## RF Specification

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	

# Test Report

## VSWR\_Ant2

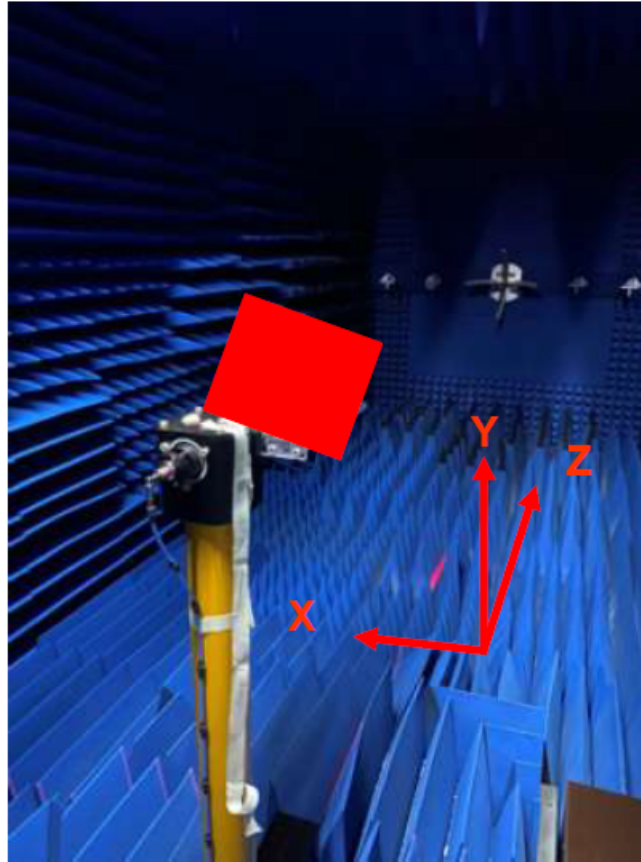


Freq.	VSWR
2400	1.40
2450	1.74
2500	2.17
5150	2.44
5500	1.14
5850	1.50



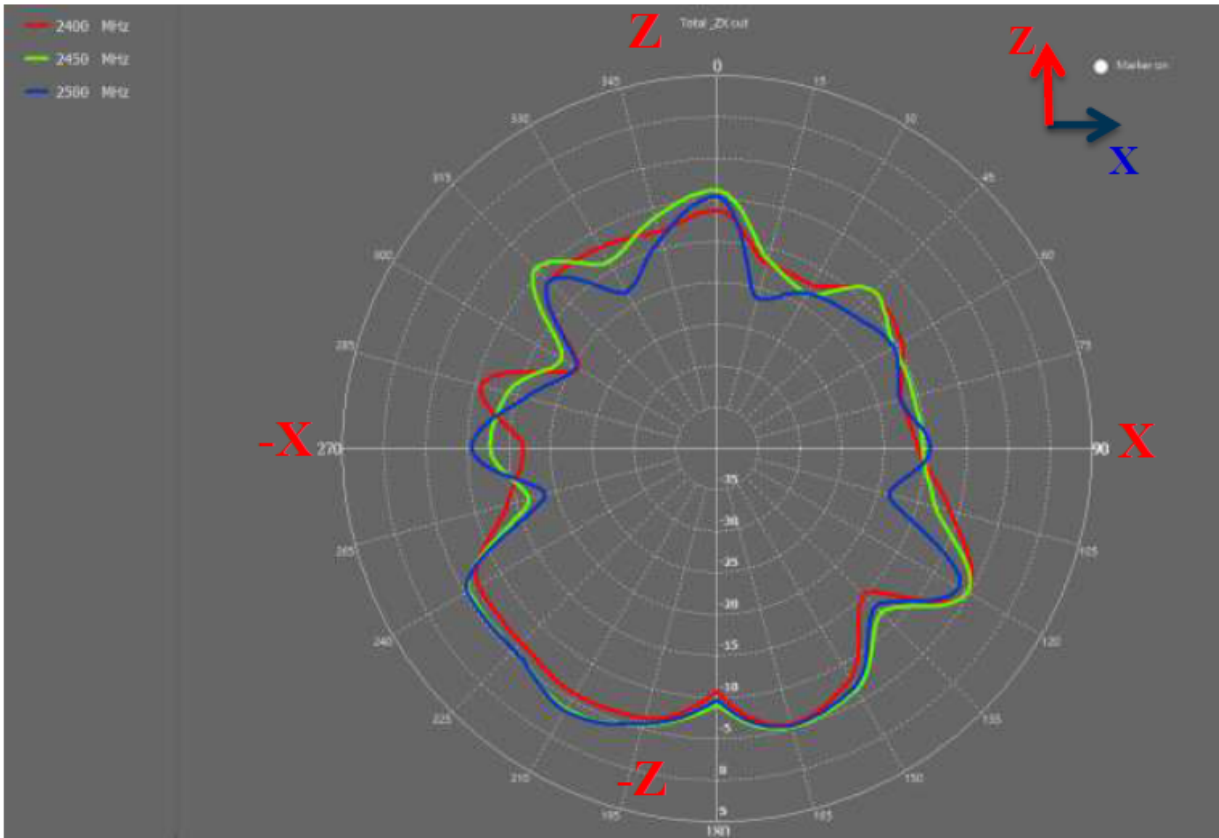
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**3D Peak Gain & Efficiency List Table**

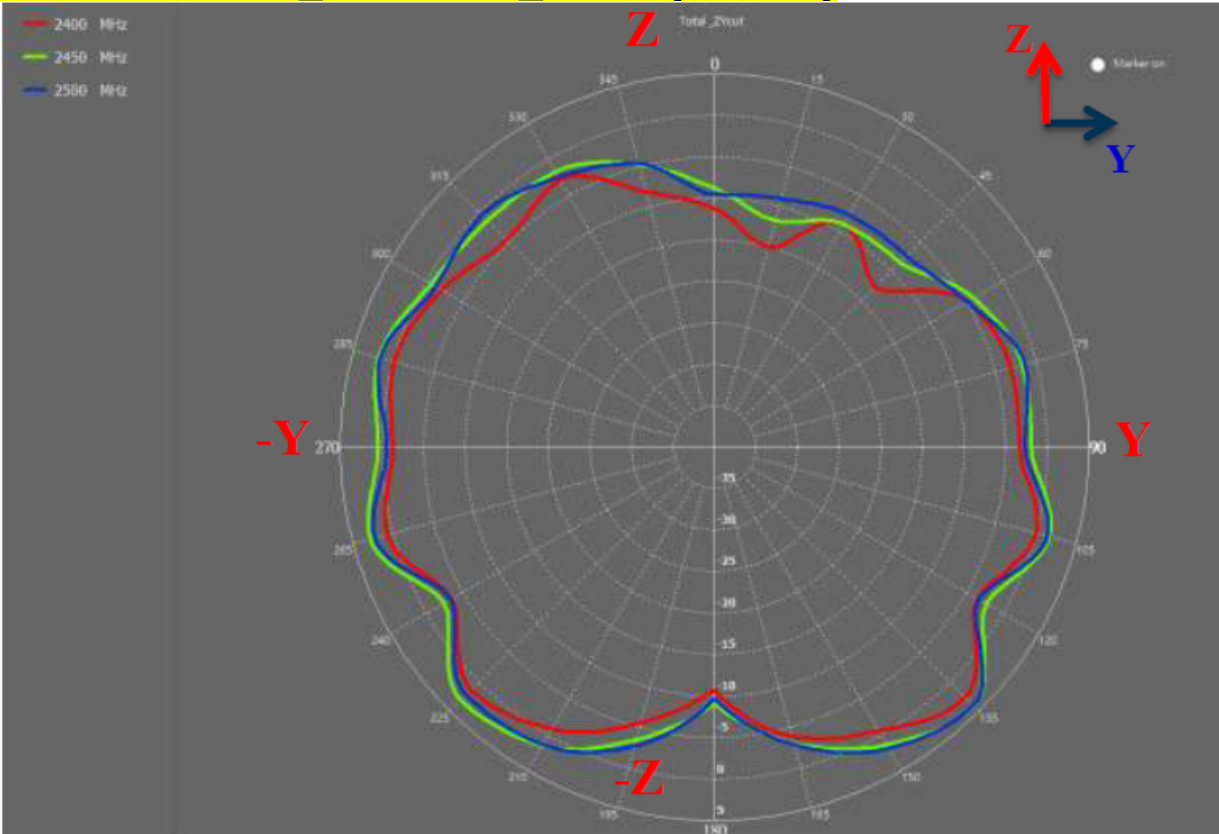


	Ant2		
Total/ Freq.	Eff.(%)	Eff.(dB)	Peak Gain (dBi)
2400	35.48	-4.50	2.92
2450	41.59	-3.81	3.91
2500	40.74	-3.90	3.84
5150	37.67	-4.24	2.01
5500	47.97	-3.19	2.56
5850	36.90	-4.33	1.92

### 2D Gain Pattern\_Ant2 @2G \_ZX Cut(Phi=0)



### 2D Gain Pattern\_Ant2 @2G \_ZY Cut(Phi=90)

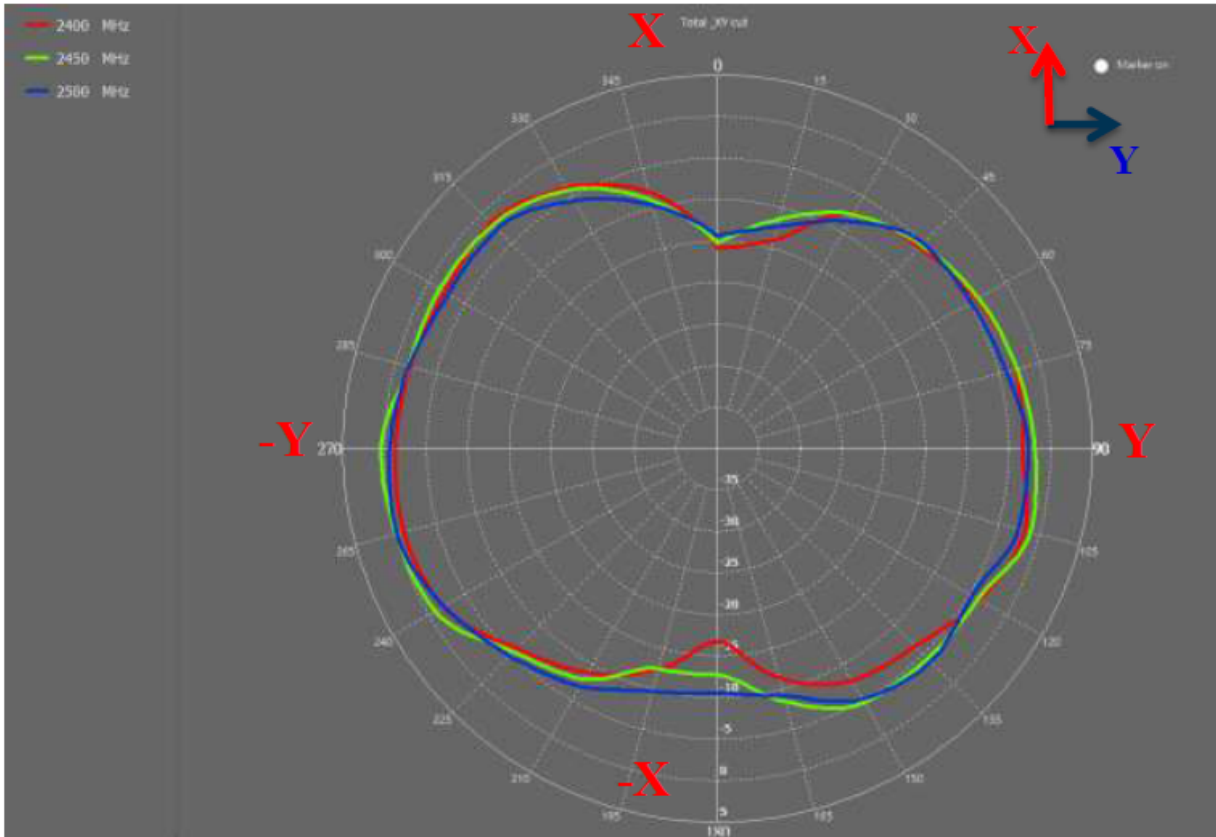




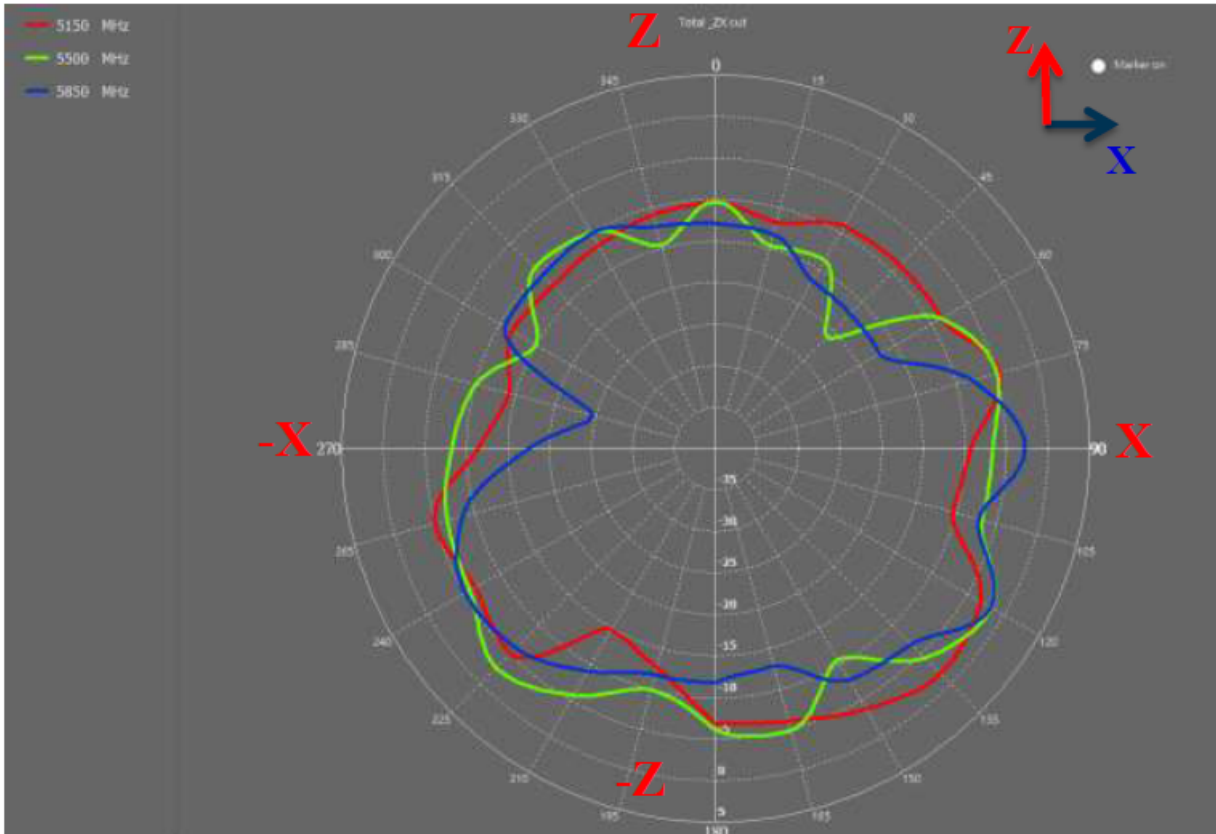


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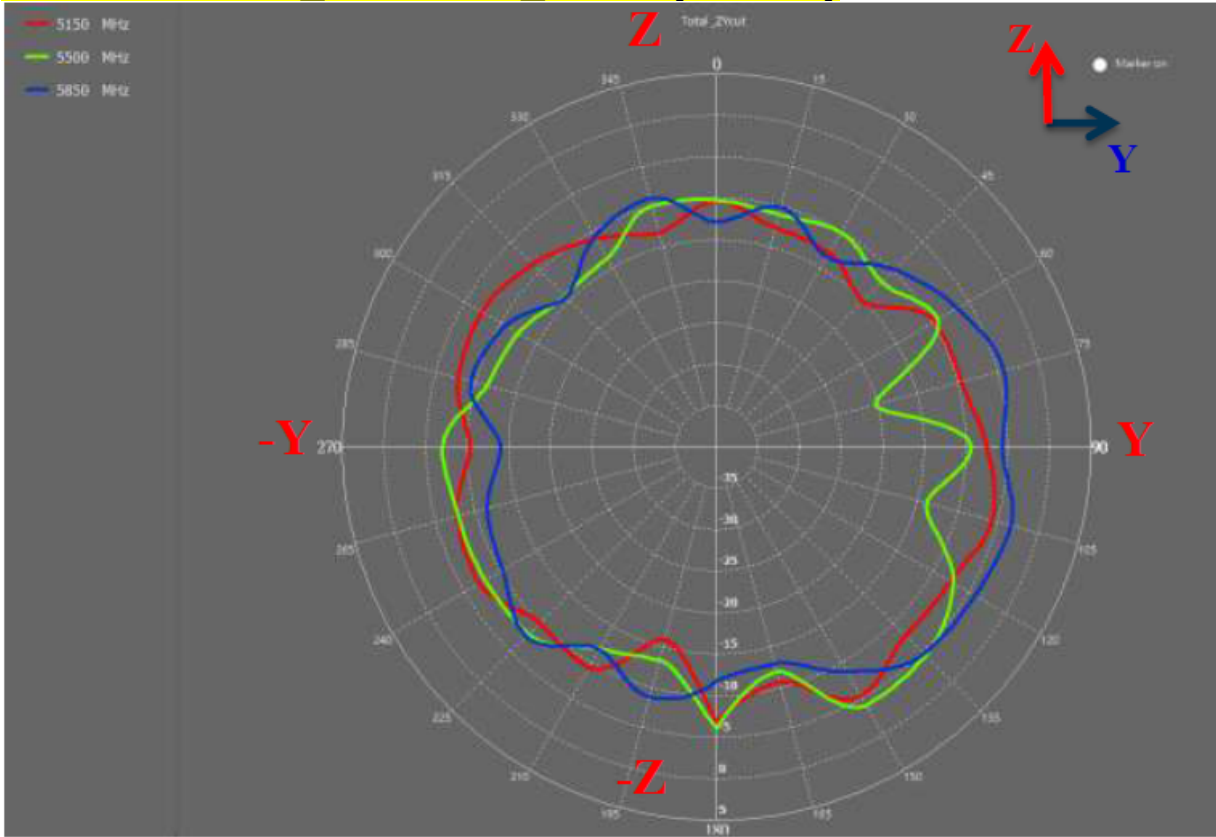
### 2D Gain Pattern\_Ant2 @2G \_XY Cut(Theta=90)



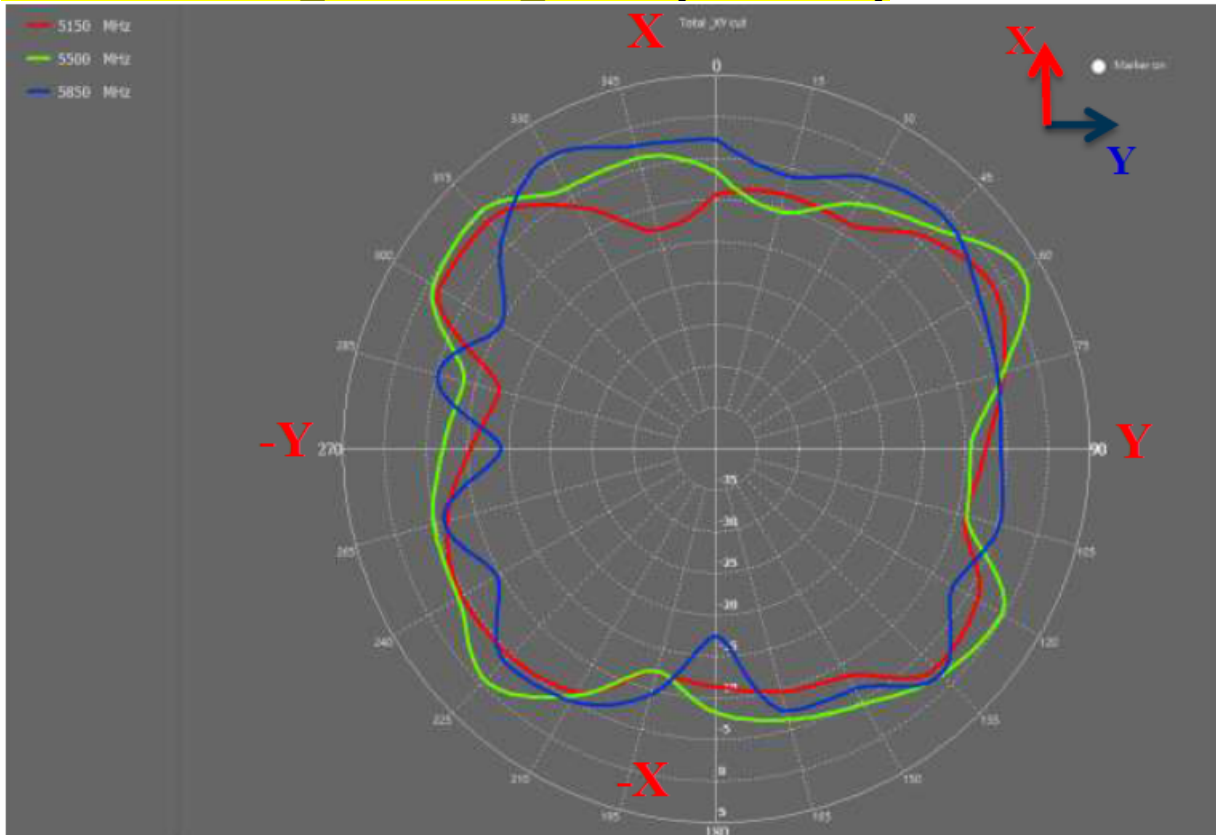
### 2D Gain Pattern\_Ant2 @5G \_ZX Cut(Phi=0)



### 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

