



規格承認書  
Specification for Approval

客 戶：訊舟  
Customer  
品 名：DIPOLE ANT 黑 + I-PEX LOW LOSS CABLE/黑 + CORE / MSI (驊陞)  
Part name  
料 號：ARY121-0307-006-00  
Part No.  
客戶料號：1680-00000723-50U  
Customer Part No.  
Rev.(版本): 02  
規 格：5G 3.27dBi ANT=195.5mm / L=63mm

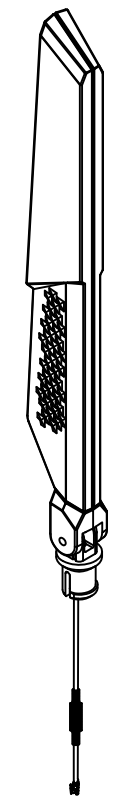
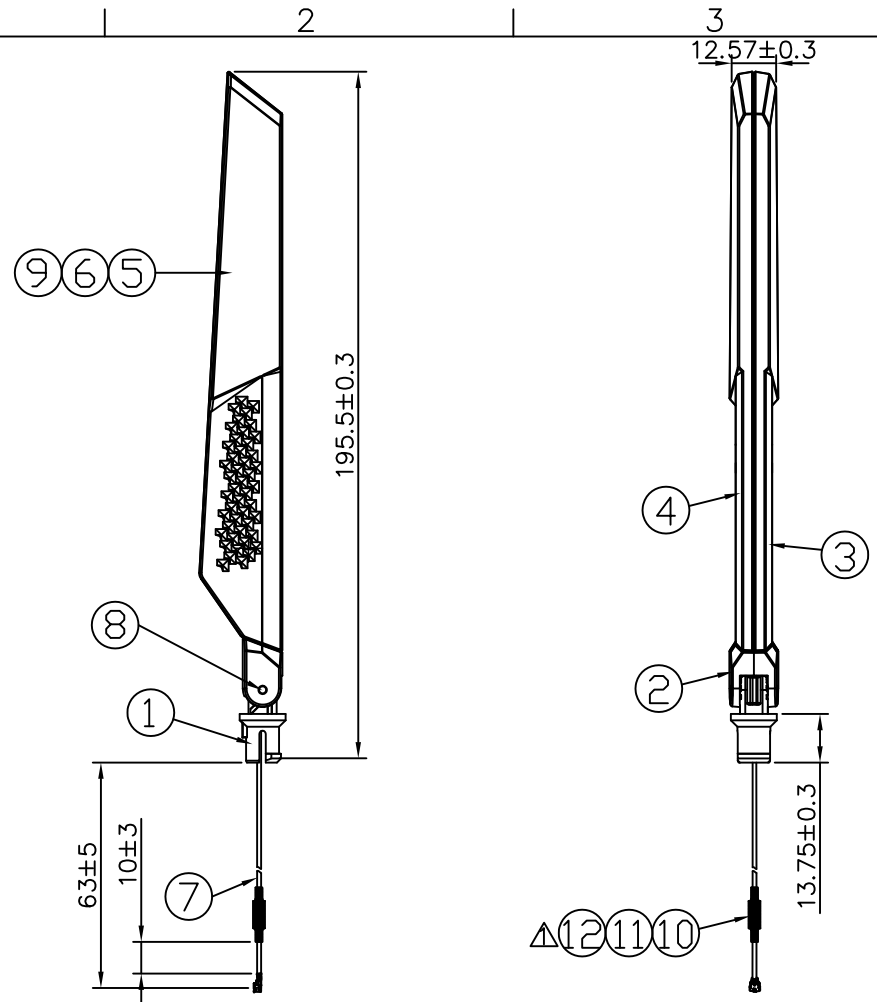
客戶承認印 CUSTOMER APPROVED BY		
APPROVAL	CHIEF	SUPERVISOR
Approval No.		
Model		
Part No.		

CHIEF	SALES	R&D	DESIGN
ROX	Grant	ROX	REASON
Date: 2022/06/22		Date: 2022/06/22	
<b>驊陞科技股份有限公司 WIESON TECHNOLOGIES CO., LTD.</b>			

RoHS Compliant

REV	DATE	DESCRIPTION	NAME
A1	22.03.31	PROPOSAL	LIEF
A2	22.06.20	△ADD CORE	LIEF

A  
B  
C  
D  
E



Note: △  
 1.Frequency: 5.15~5.85GHz:  
 Peak Gain: 3.27dBi(MAX) , V.S.W.R.: <2 (with case)  
 2.Efficiency: >60%(with case)  
 3.Impedance: 50ohm

ND.	ITEM	DESCRIPTION	QTY
12	HEAT SHRINK TUBE	COLOR : White , OD4*L20mm	1
11	HEAT SHRINK TUBE	COLOR : Black , OD1.6*L5mm	2
10	CORE	Magnetic Core OD4.0*ID2.0*L10mm	1
9	HEAT SHRINK TUBE	COLOR : Black	1
8	Fixed Pin	Fixed Pin , Black Coating	2
7	CABLE	OD:1.37 , Black LOW LOSS COAXIAL CABLE WITH MHF I Plug For 1.37mm Cable	1
6	COPPER TUBE-2	BRASS	1
5	COPPER TUBE-1	BRASS	1
4	COVER-2	COVER , Black	1
3	COVER-1	COVER , Black	1
2	BASE-2	BASE, Black	1
1	BASE-1	BASE, Black	1

WIESON TECHNOLOGIES CO., LTD PART NO.: ARY121-0307-006-00

TITLE: WiFi Single 5G Antenna(Ant6)

DRAWN BY	LIEF(WST)	DRAWING NO.	
CHECKED BY		DRAWING SIZE	A4
APPROVED BY		UNIT	mm
SORTING NO.	WSC	PAGE	1 OF 1



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*WIESON*



				Approvals	
Rev	Date	Description	Edited by	Prepared :	REASON
01	22.04.18	ISSUE	WAH	Checked :	JOSN
02	22.06.22	UPDATE		Approved :	ROX
				Issued No :	02
				Sheet :	<b>1 OF 13</b>



**WIESON TECHNOLOGIES CO.,LTD**

**BILL OF MATERIAL**

<b>Cust.</b>	訊舟	<b>TITLE</b>	<b>RF ANTENNA</b>				
<b>Cust.P/N</b>		<b>WIESON P/N</b>	<b>ARY121-0307-006-00</b>				
<b>NO.</b>	<b>DESCRIPTION</b>	<b>SUPPLIER</b>	<b>SUPPLIER PART NO.</b>	<b>UL NO.</b>	<b>AVL</b>	<b>QUANTITY</b>	<b>REMARK</b>
1	BASE1, Black	/	BASE1	/		PCS	
2	BASE2 Black	/	BASE2	/		PCS	
3	COVER1, Black	/	COVER1	/		PCS	
4	COVER2, Black	/	COVER2			PCS	
5	COPPER TUBE-1 BRASS		COPPER TUBE			PCS	
6	COPPER TUBE-2BRASS		COPPER TUBE			PCS	
7	OD:1.37 , Black LOW LOSS COAXIAL CABLE WITH MHF I Plug For 1.37mm Cable		CABLE			MM	
8	Fixed Pin , Black Coating		FIXED PIN			PCS	
9	HEAT SHRINK TUBE COLOR : Black		TUBE			MM	
10	Magnetic Core OD4.0*ID2.0*L10mm		CORE			PCS	
11	TUBE COLOR : Black , OD1.6*L5mm		TUBE			MM	
12	TUBE COLOR : Black , OD4*L20mm		TUBE			MM	

**APPROVED BY: ROX**

**CHECKD BY: JOSN**

**DESIGNED BY: REASON**



**EDIMAX BR6893MGL**  
**ARY121-0307-006-00(Ant6)**  
**5GHz(Peak Gain:3.27dBi)**



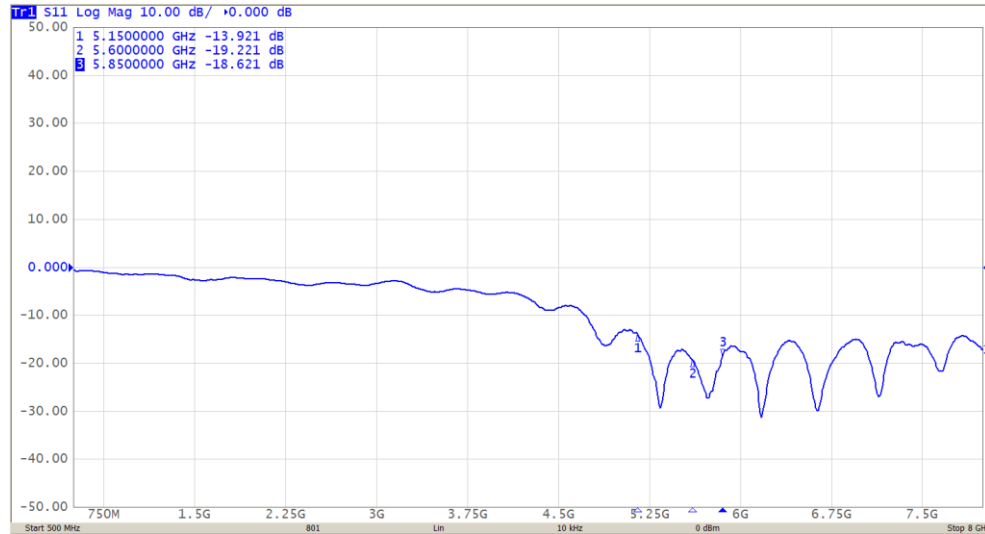
**Engineer : Wade**  
**Report date : 2022/06/13**



# Antenna Specification

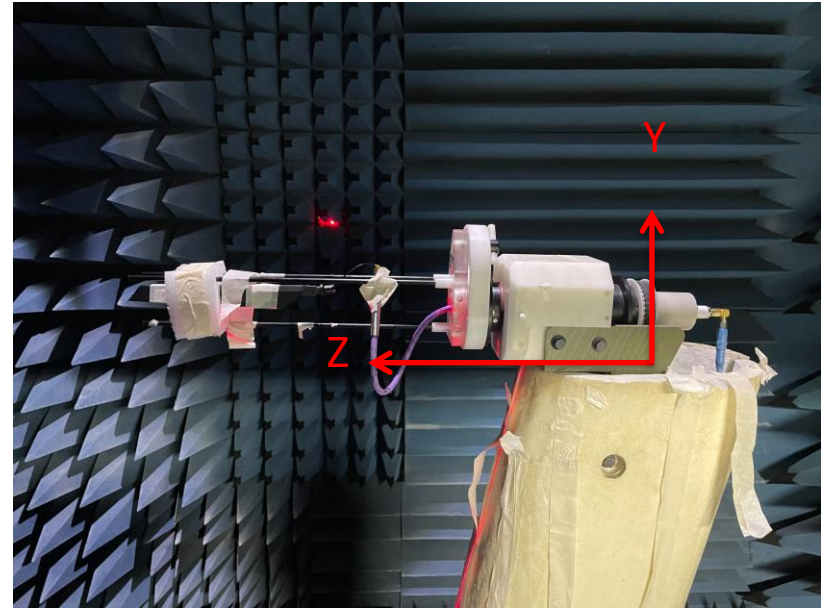
Ant6	Specification
Frequency(GHz)	5.15-5.85
Bandwidth	700MHz (Min.)
Return Loss	10 dB (Min)
Polarization	Linear
Azimuth Bandwidth	Omni-directional
Peak Gain	3.27 dBi (Max)
Impedance	50Ω
Material	Copper tube
Maximum Power	1W
V.S.W.R	2 : 1
Radiation	Omni directional
Efficiency	>60% (Typical)
Connector	MHF I
Cable type	OD:1.37
Operating Temperature	-10~60°C
Storage temp	-10~70°C

# Return Loss



Freq(MHz)	5150	5600	5850
S11(dB)	-13.9	-19.2	-18.6

# Chamber measurement photo



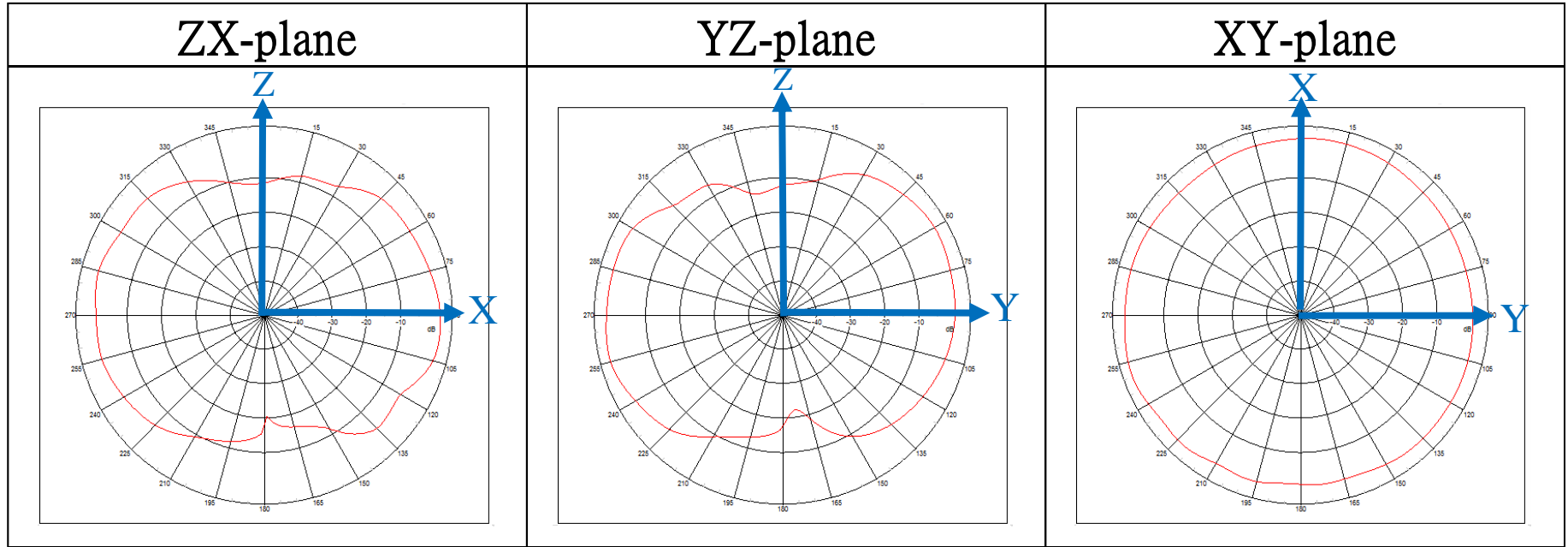


# 3D Gain Total

Freq(MHz)	Peak Gain(dBi)	3D-avg Gain(dBi)	Efficiency(%)
5150	2.32	-1.4	72
5250	2.86	-1.02	79
5350	3.12	-0.75	84
5470	3.02	-0.66	86
5600	2.97	-0.81	83
5725	2.75	-1.11	77
5785	2.54	-1.34	74
5850	3.27	-0.6	87

# Antenna Pattern Wieson

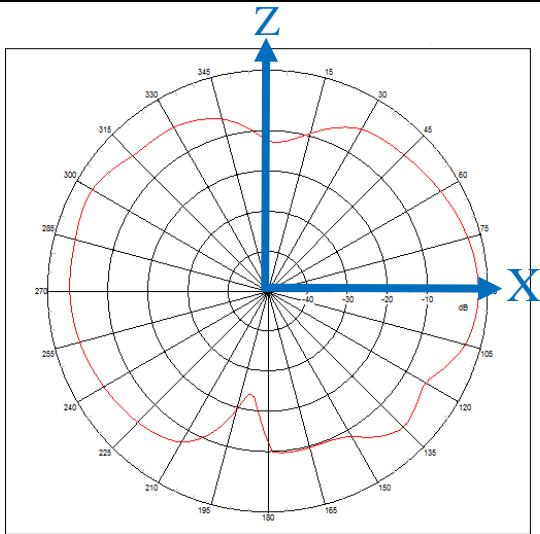
Frequency: 5150MHz



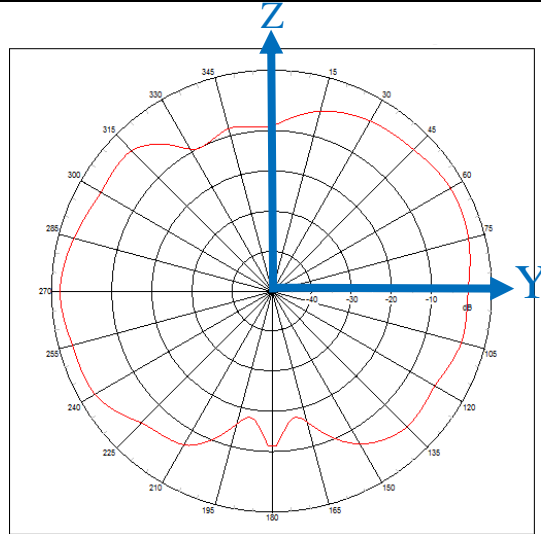
# Antenna Pattern Wieson

Frequency: 5600MHz

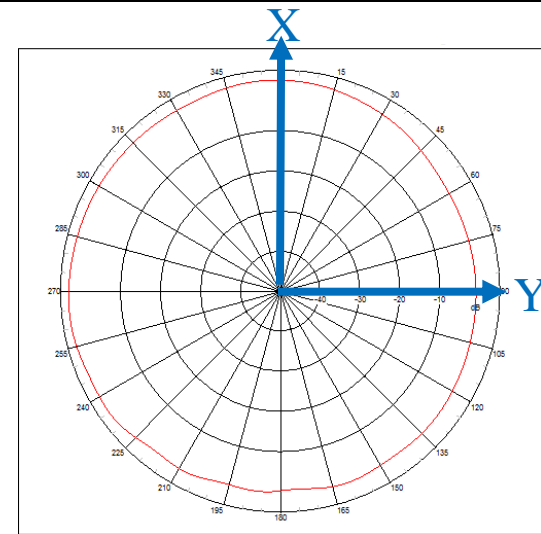
## ZX-plane



## YZ-plane



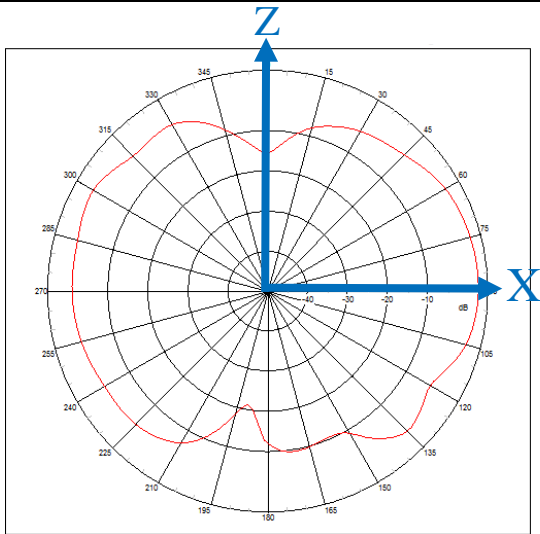
## XY-plane



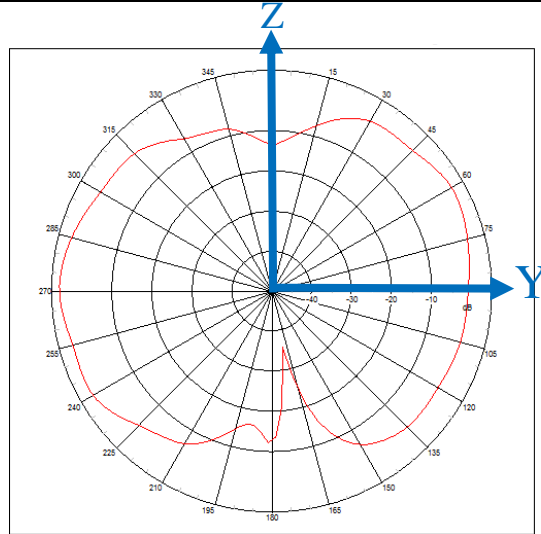
# Antenna Pattern Wieson

Frequency: 5850MHz

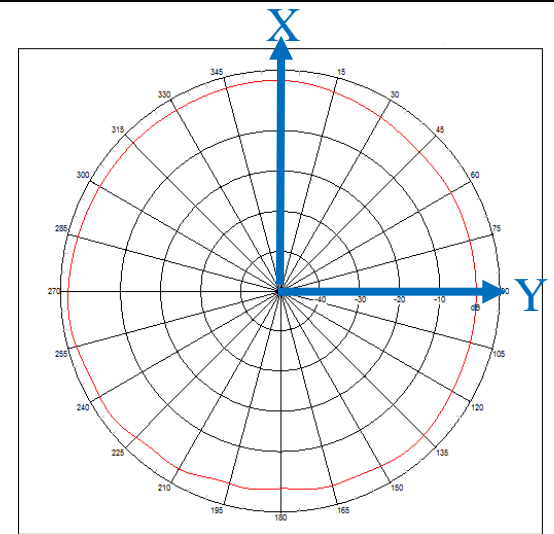
## ZX-plane



## YZ-plane



## XY-plane





創造完美連結

MAKING THE PERFECT CONNECTION

[www.wieson.com](http://www.wieson.com)

N° 2016/70254.3

AFNOR Certification certifies that the management system implemented by:  
AFNOR Certification certifie que le système de management mis en place par :

WIESON TECHNOLOGIES (DONG GUAN) CO., LTD.  
东莞骅国电子有限公司

Unified Social Credit Code / Code Crédit Social Unifié / 统一社会信用代码 : 914419006181620014

for the following activities:  
pour les activités suivantes :

DESIGN, MANUFACTURING AND SALES OF ELECTRONIC AND AUTOMOTIVE CONNECTORS, CABLES,  
WIRE HARNESSSES, RF (RADIO FREQUENCY) AND ANTENNA PRODUCTS, PLASTIC INJECTION,  
STAMPING PARTS, PLASTIC & HARDWARE MOLDS  
电子和车用连接器、连接线、线束、无线射频天线产品、注塑成型部件、  
冲压部件, 塑胶五金模具的设计、生产和销售

has been assessed and found to meet the requirements of:  
a été évalué et jugé conforme aux exigences requises par :

**ISO 9001 : 2015**

and is developed on the following locations:  
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This certificate is valid from (year/month/day)  
Ce certificat est valable à compter du (année/mois/jour)

**2021-01-18**

Until  
Jusqu'au

**2024-01-17**



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**Julien NIZRI**  
**Managing Director of AFNOR Certification**  
*Directeur Général d'AFNOR Certification*

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