



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：ARY121-0307-004-00
Part No.
客戶料號：1680-00000721-50U
Customer Part No.
Rev.(版本): 02
規 格：5G 3.69dBi ANT=195.5mm / L=103mm

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	
驊陞科技股份有限公司 WIESON TECHNOLOGIES CO., LTD.			

表格編號：324012 版本：第四版

RoHS Compliant

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

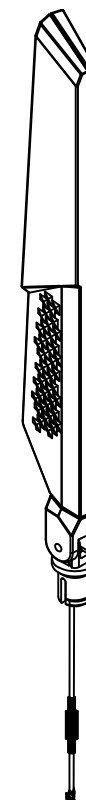
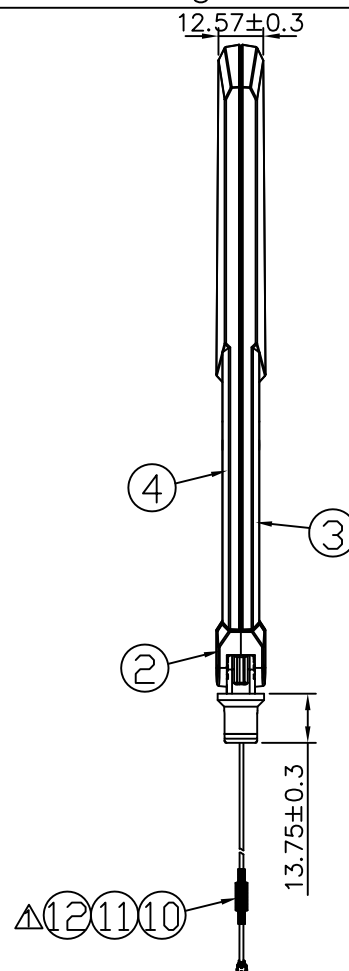
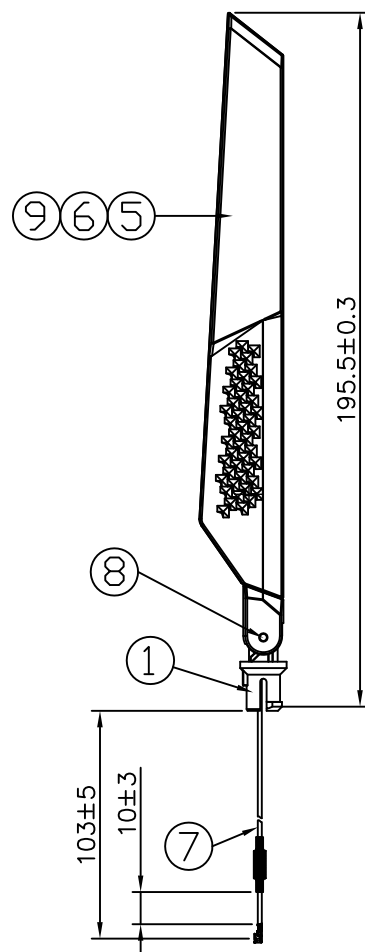
A

B

C

D

E



12	HEAT SHRINK TUBE	COLOR : Blue , 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

Note: △

1.Frequency: 5.15~5.85GHz:

Peak Gain: 3.69dBi(MAX) , V.S.W.R.: <2 (with case)

2.Efficiency: >60%(with case)

3.Impedance: 50ohm



WIESON TECHNOLOGIES CO., LTD

PART NO.:
ARY121-0307-004-00

TITLE:

WiFi Single 5G Antenna(Ant4)

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



WIESON TECHNOLOGIES CO.,LTD

BILL OF MATERIAL

Cust.		訊舟	TITLE	RF ANTENNA				
Cust.P/N			WIESON P/N	ARY121-0307-004-00				
NO.	DESCRIPTION		SUPPLIER	SUPPLIER PART NO.	UL NO.	AVL	QUANTITY	REMARK
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

 WIESON TECHNOLOGIES CO., LTD.	SPECIFICATION LIST	TYPE OF PRODUCT
		RF ANTENNA

ITEM	INDEX	PAGE
1.	THE SPECIFICATION LIST	1
2.	BOM.....	2
3.	TEST REPORT.....	3-12
4.	WIESON ISO APPROVAL.....	13

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 :	1 OF 13

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EDIMAX BR6893MGL

ARY121-0307-004-00(Ant4)

5GHz(Peak Gain:3.69dBi)



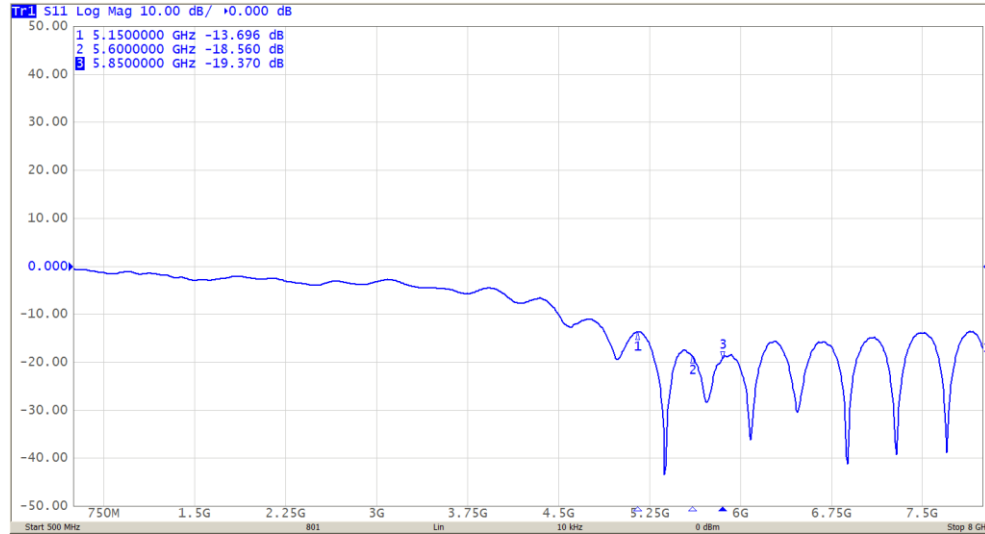
Engineer : Wade
Report date : 2022/06/13



Antenna Specification

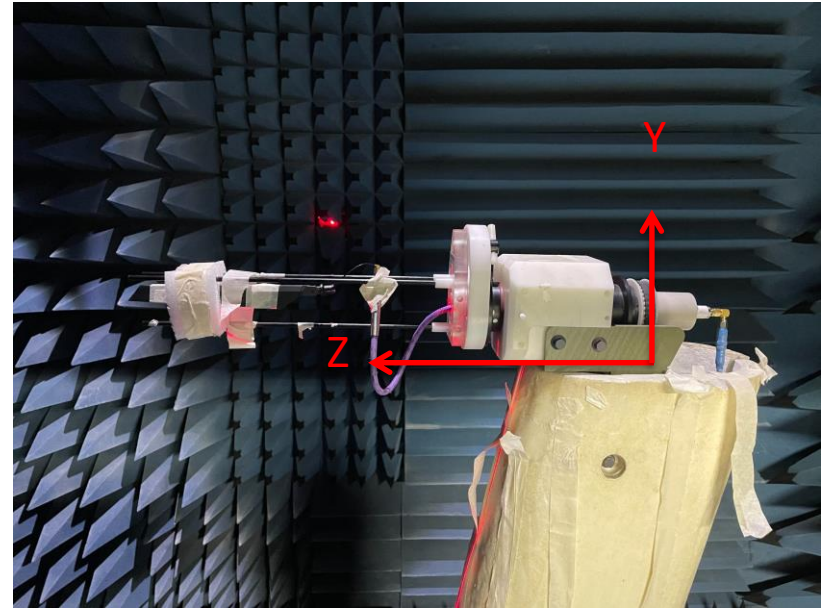
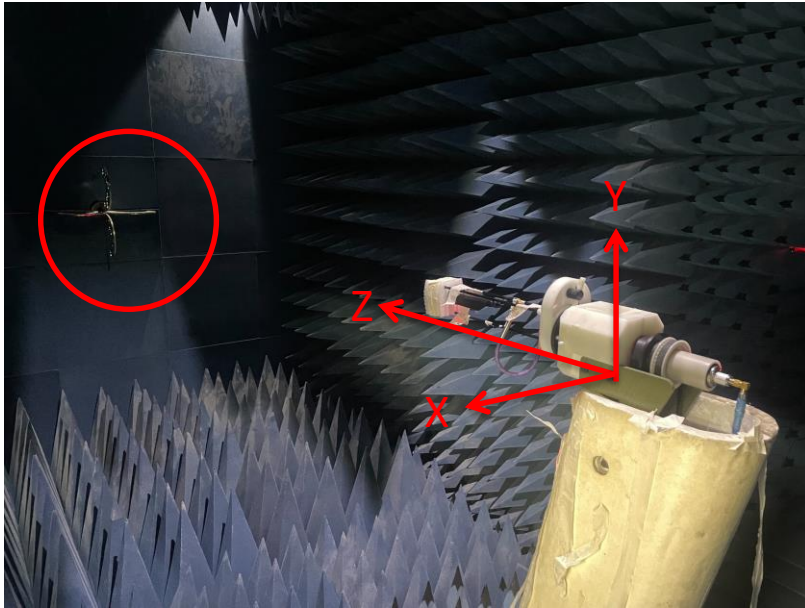
Ant4	Specification
Frequency(GHz)	5.15-5.85
Bandwidth	700MHz (Min.)
Return Loss	10 dB (Min)
Polarization	Linear
Azimuth Bandwidth	Omni-directional
Peak Gain	3.69 dBi (Max)
Impedance	50Ω
Material	Copper tube
Maximum Power	1W
V.S.W.R	2 : 1
Radiation	Omni directional
Efficiency	>60% (Typical)
Connector	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)	-13.6	-18.5	-19.3

Chamber measurement photo



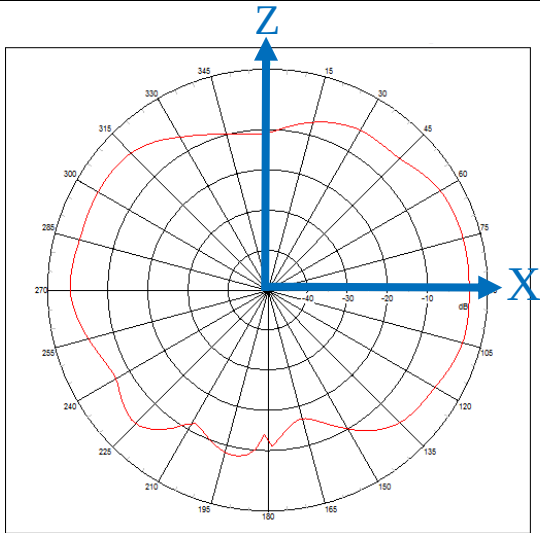
3D Gain Total

Freq(MHz)	Peak Gain(dBi)	3D-avg Gain(dBi)	Efficiency(%)
5150	2.87	2.98	69
5250	3.03	3.04	73
5350	3.68	3.71	79
5470	3.69	3.7	82
5600	3.04	3.04	81
5725	2.39	2.42	75
5785	2.32	2.38	72
5850	2.88	2.99	84

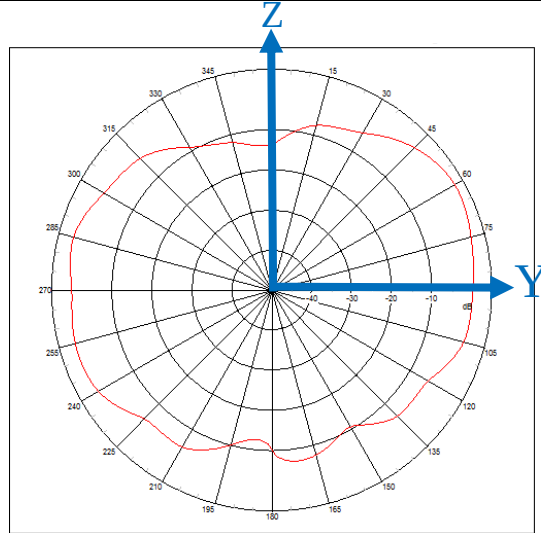
Antenna Pattern Wieson

Frequency: 5150MHz

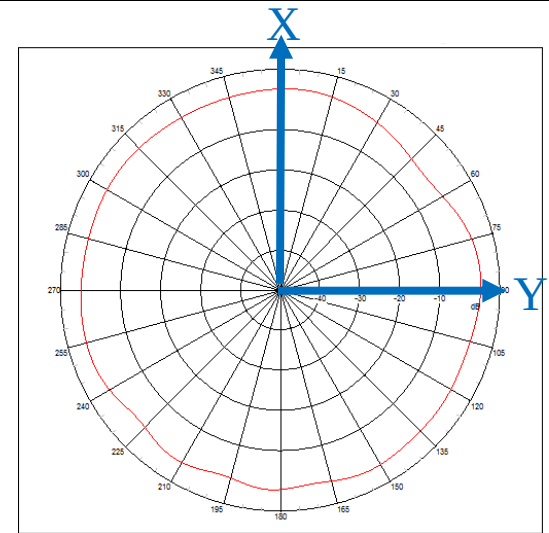
ZX-plane



YZ-plane



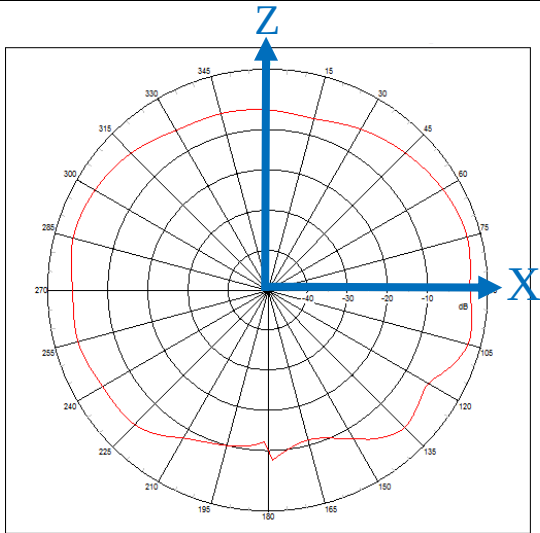
XY-plane



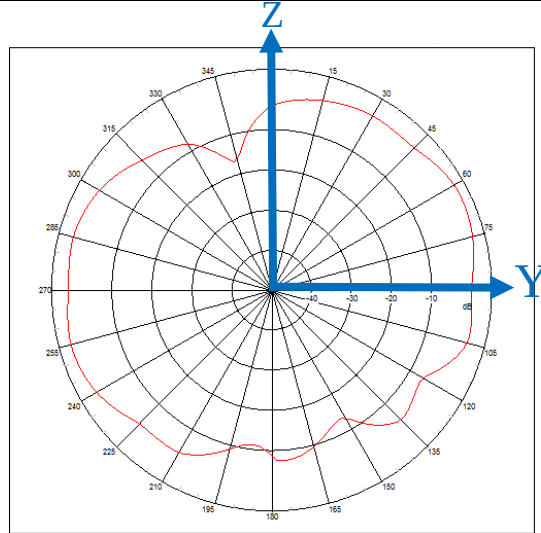
Antenna Pattern Wieson

Frequency: 5600MHz

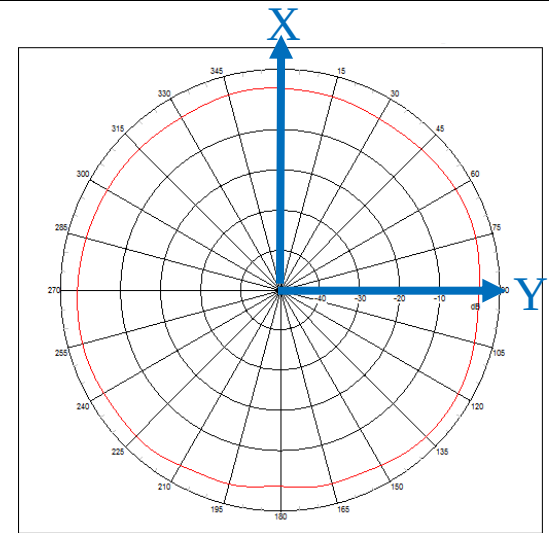
ZX-plane



YZ-plane



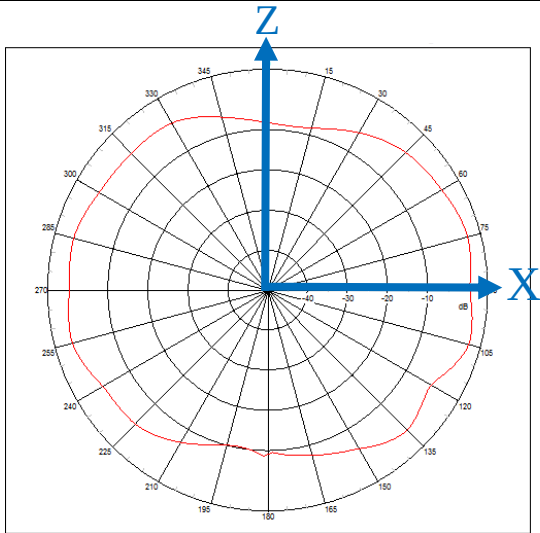
XY-plane



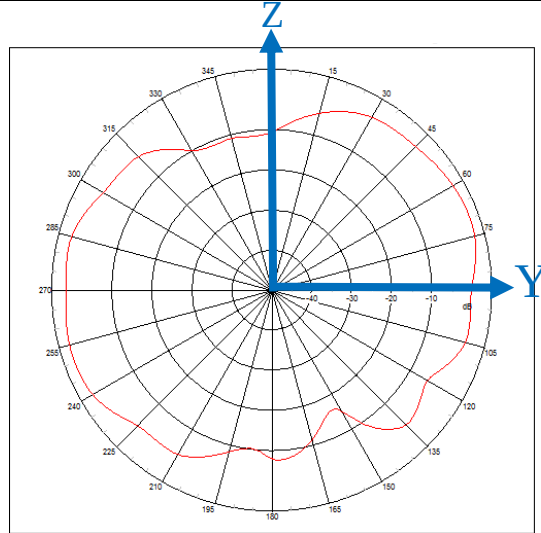
Antenna Pattern Wieson

Frequency: 5850MHz

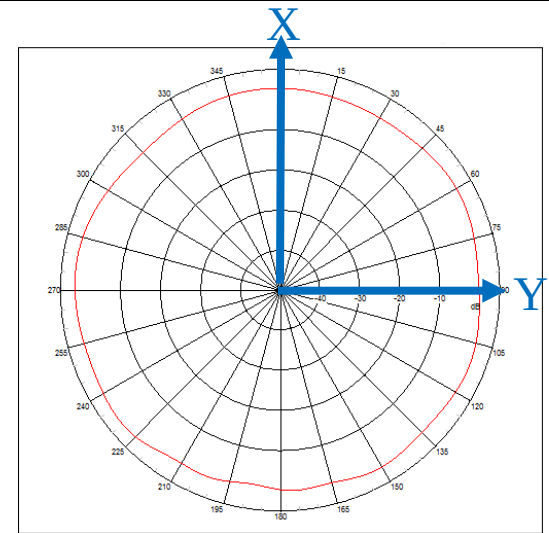
ZX-plane



YZ-plane



XY-plane





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MAKING THE PERFECT CONNECTION

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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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2021-01-18

Until
Jusqu'au

2024-01-17



SignatureFournisseur



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

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