



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：ARY121-0307-005-00
Part No.
客戶料號：1680-00000722-50U
Customer Part No.
Rev.(版本): 02
規格：5G 3.72dBi ANT=195.5mm / L=83mm

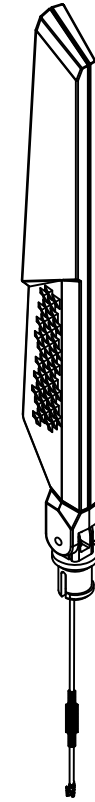
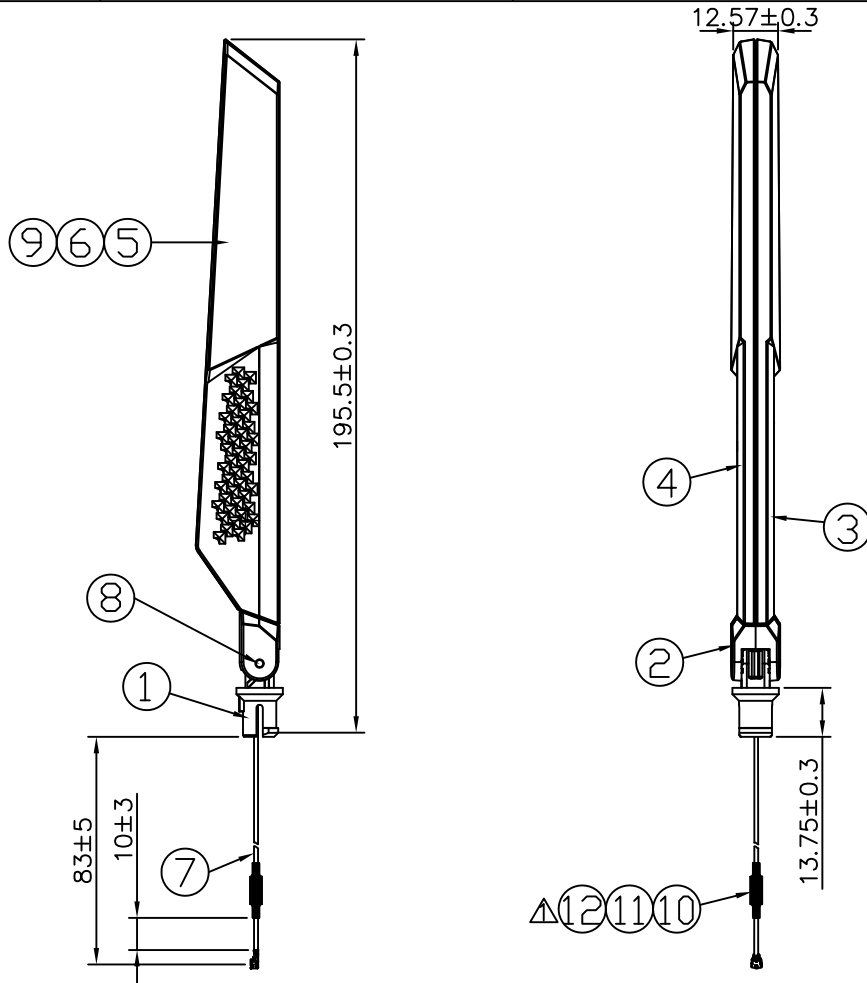
客戶承認印 CUSTOMER APPROVED BY		
APPROVAL	CHIEF	SUPERVISOR
Approval No.		
Model		
Part No.		

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.			

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: 3.72dBi(MAX) , v.S.W.R.: <2 (with case)
 2.Efficiency: >60%(with case)
 3.Impedance: 50ohm

⑫	HEAT SHRINK TUBE	COLOR : Black , 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
NO.	ITEM	DESCRIPTION	QTY

WIESON TECHNOLOGIES CO., LTD	PART NO.: ARY121-0307-005-00		
	TITLE: WiFi Single 5G Antenna(Ant5)		
DRAWN BY	LIEF(WST)	DRAWING NO.	
CHECKED BY		DRAWING SIZE	A4
APPROVED BY		UNIT	mm
SORTING NO.	WSC	PAGE	1 OF 1



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



WIESON TECHNOLOGIES CO.,LTD

BILL OF MATERIAL

Cust.	訊舟	TITLE	RF ANTENNA				
Cust.P/N		WIESON P/N	ARY121-0307-005-00				
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



EDIMAX BR6893MGL
ARY121-0307-005-00(Ant5)
5GHz(Peak Gain:3.72dBi)



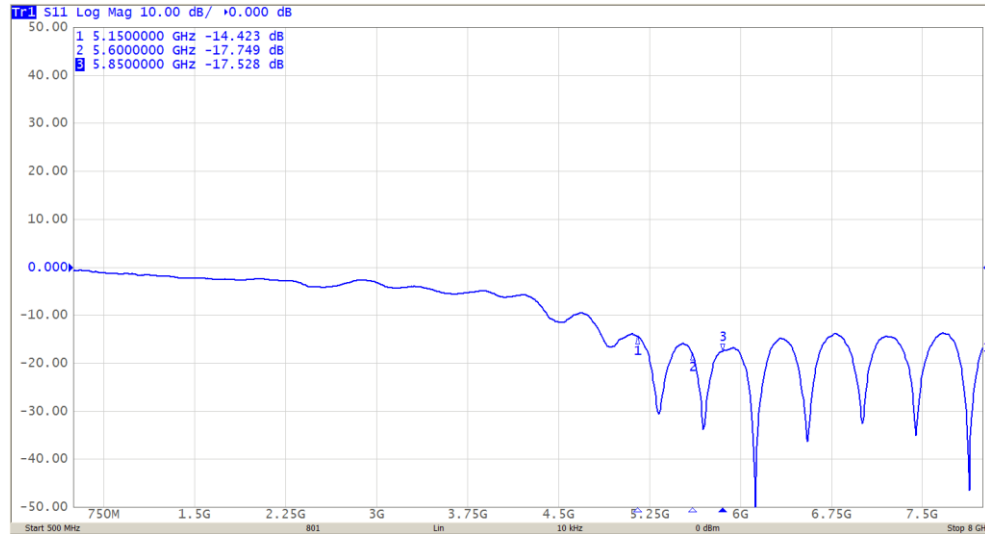
Engineer : Wade
Report date : 2022/06/13



Antenna Specification

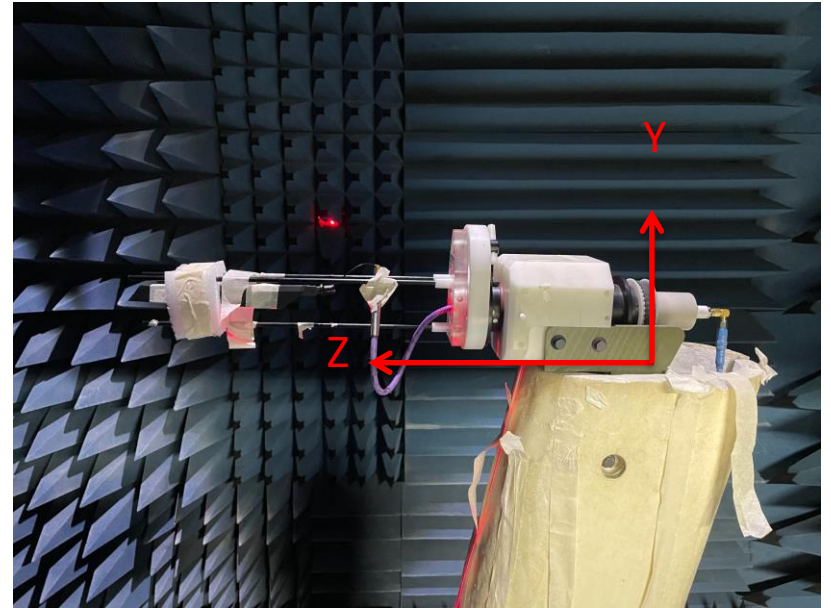
Ant5	Specification
Frequency(GHz)	5.15-5.85
Bandwidth	700MHz (Min.)
Return Loss	10 dB (Min)
Polarization	Linear
Azimuth Bandwidth	Omni-directional
Peak Gain	3.72 dBi (Max)
Impedance	50Ω
Material	Copper tube
Maximum Power	1W
V.S.W.R	2 : 1
Radiation	Omni directional
Efficiency	>60% (Typical)
Connector	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)	-14.4	-17.7	-17.5

Chamber measurement photo

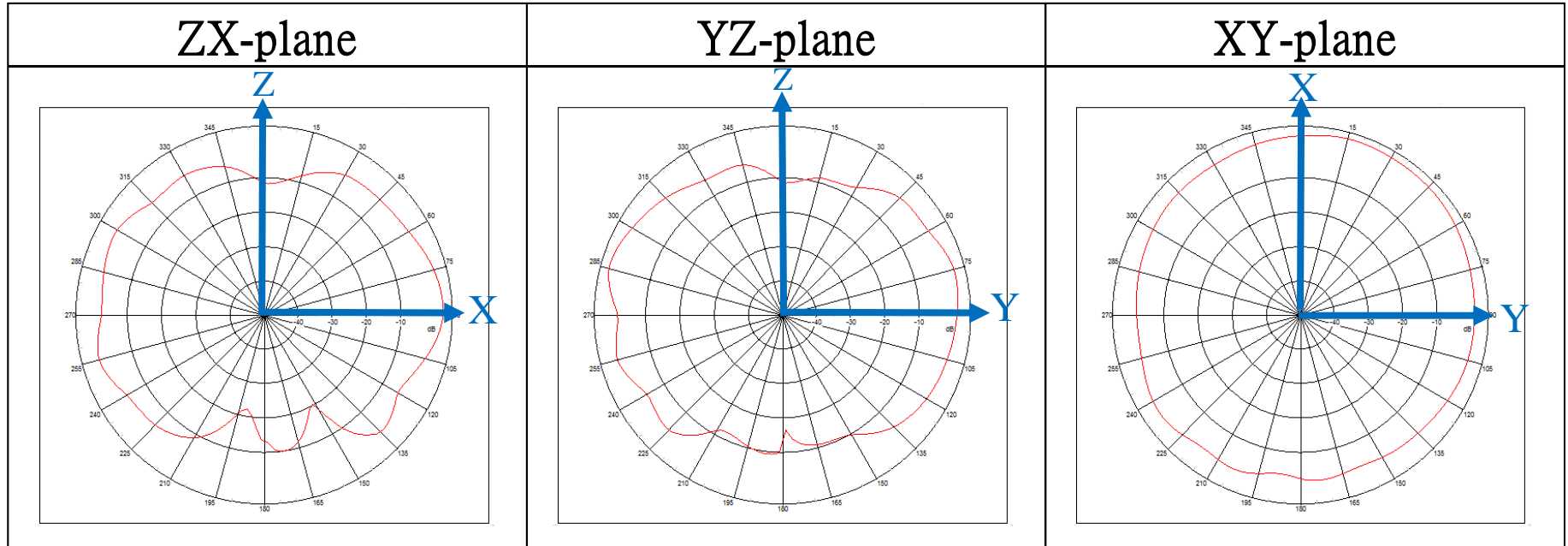


3D Gain Total

Freq(MHz)	Peak Gain(dBi)	3D-avg Gain(dBi)	Efficiency(%)
5150	2.97	-1.57	70
5250	2.94	-1.31	74
5350	2.71	-0.99	80
5470	2.55	-0.95	80
5600	2.53	-0.9	81
5725	2.89	-1.21	76
5785	2.91	-1.49	71
5850	3.72	-0.73	85

Antenna Pattern Wieson

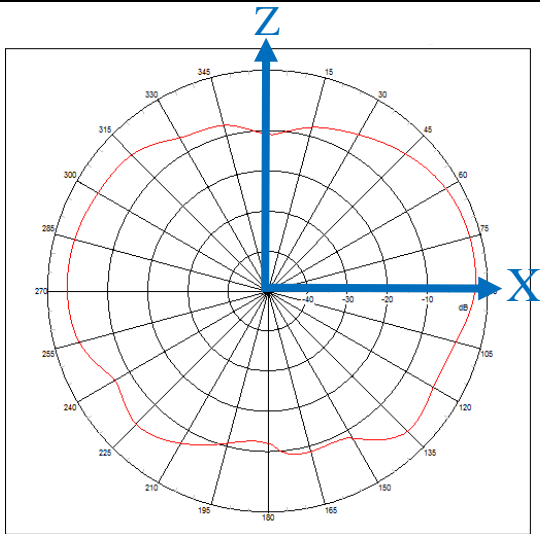
Frequency: 5150MHz



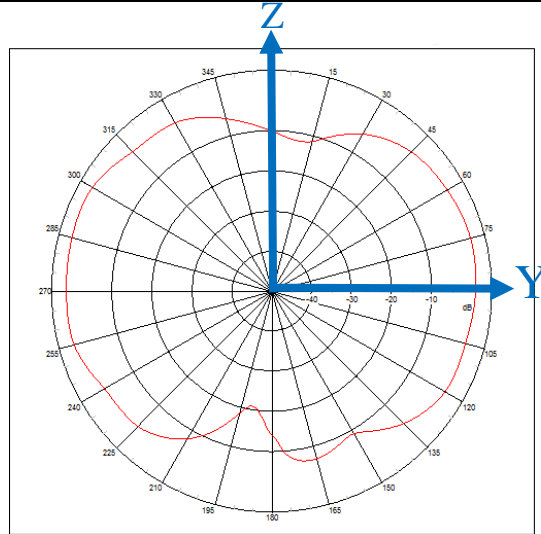
Antenna Pattern Wieson

Frequency: 5600MHz

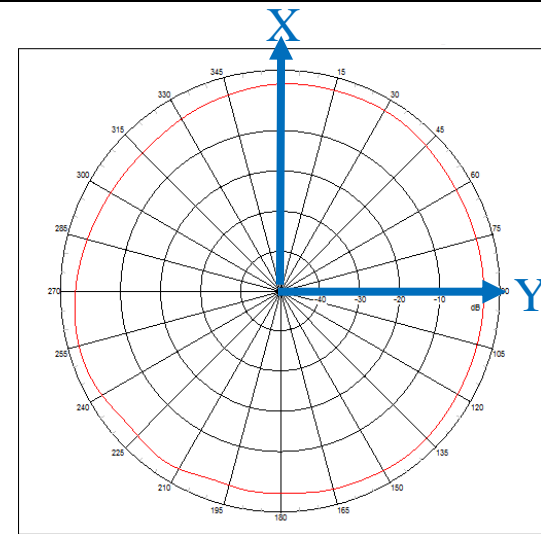
ZX-plane



YZ-plane



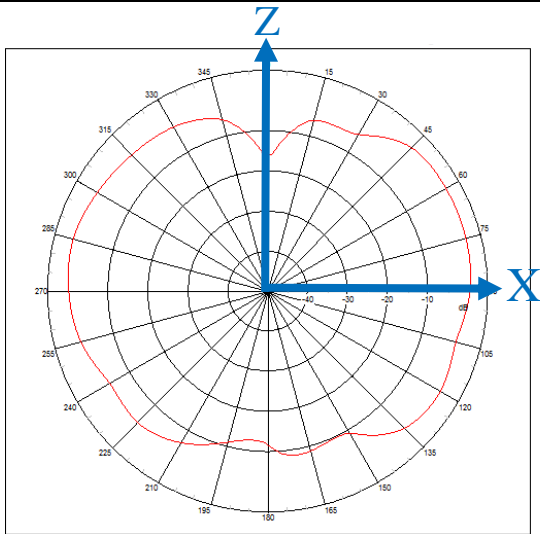
XY-plane



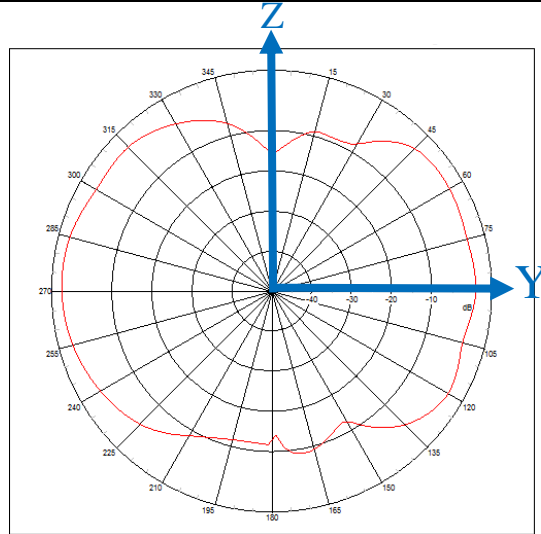
Antenna Pattern Wieson

Frequency: 5850MHz

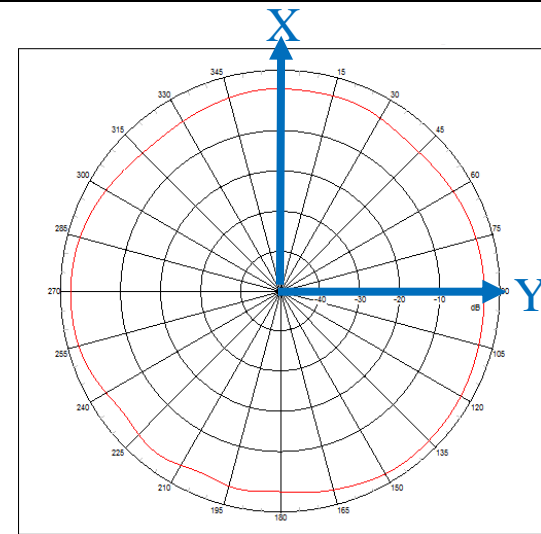
ZX-plane



YZ-plane



XY-plane





創造完美連結

MAKING THE PERFECT CONNECTION

www.wieson.com

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:
et est déployé sur les sites suivants :

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DONGGUAN CITY, GUANGDONG PROVINCE, CHINA
中国广东省东莞市厚街镇环岗工业区新保威工业城

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



SignatureFournisseur



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

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