



規格承認書
Specification for Approval

客 戶： 訊舟
Customer
品 名： DUAL BAND DIPOLE ANT 黑 + I-PEX LOW LOSS CABLE/白 + CORE / MSI (驊陞)
Part name
料 號： ARY121-0307-001-00
Part No.
客戶料號： 1680-00000718-50U
Customer Part No.
Rev.(版本): 02
規 格： 2.4/5G 2.05/4.67dBi ANT=195.5 / L=102mm

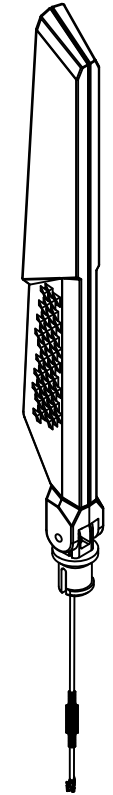
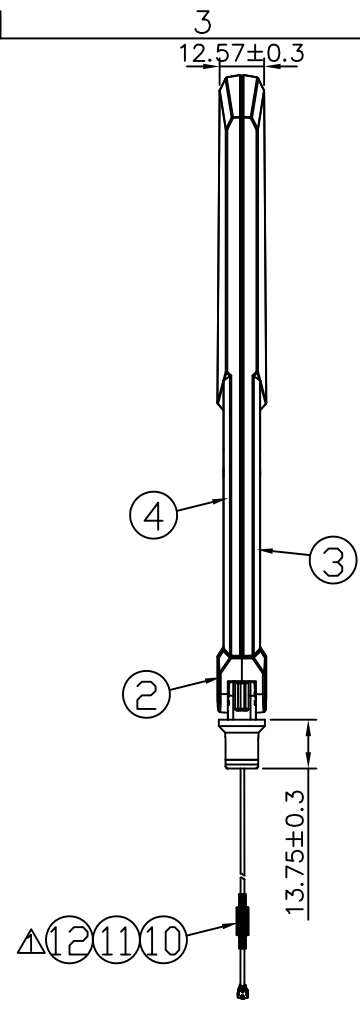
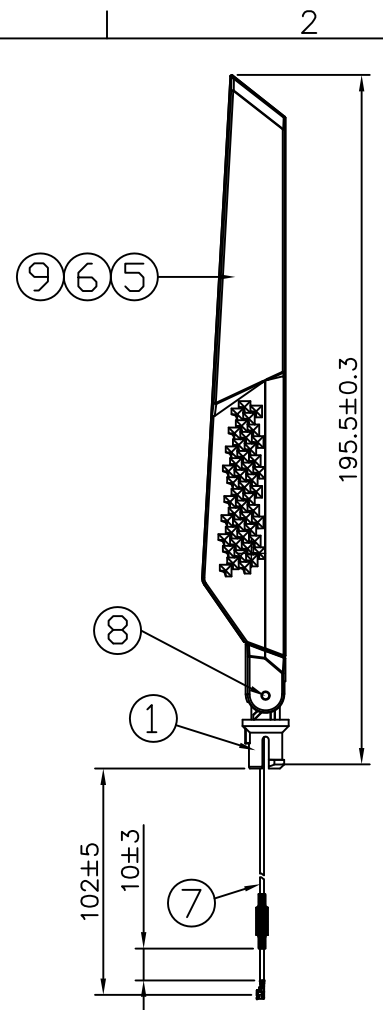
客戶承認印 CUSTOMER APPROVED BY		
APPROVAL	CHIEF	SUPERVISOR
Approval No.		
Model		
Part No.		

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



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 , WHITE 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
ND.	ITEM	DESCRIPTION	QTY

Note: △
 1. Frequency: 2.4~2.5GHz:
 Peak Gain: 2.05dBi(MAX) , V.S.W.R.: <2 (with case)
 Frequency: 5.15~5.85GHz:
 Peak Gain: 4.67dBi(MAX) , V.S.W.R.: <2 (with case)
 2. Efficiency: >59%(with case)
 3. Impedance: 50ohm

WIESON TECHNOLOGIES CO., LTD TITLE: Dual Band Antenna(Ant1)	PART NO.: ARY121-0307-001-00	
	DRAWN BY: LIEF(WST)	DRAWING NO.
CHECKED BY:	DRAWING SIZE: A4	
APPROVED BY:	UNIT: mm	
WCS	PAGE: 1 OF 1	



ITEM	INDEX	PAGE
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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 :	1 OF 14



WIESON TECHNOLOGIES CO.,LTD

BILL OF MATERIAL

Cust.	訊舟	TITLE	RF ANTENNA				
Cust.P/N		WIESON P/N	ARY121-0307-001-00				
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 , WHITE 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 ARY121-0307-001-00(Ant1)

**2GHz(Peak Gain:2.05dBi 、
5GHz(Band 1 Peak Gain:4.54dBi
Band 2 Peak Gain:4.60dBi)**

Engineer : Wade

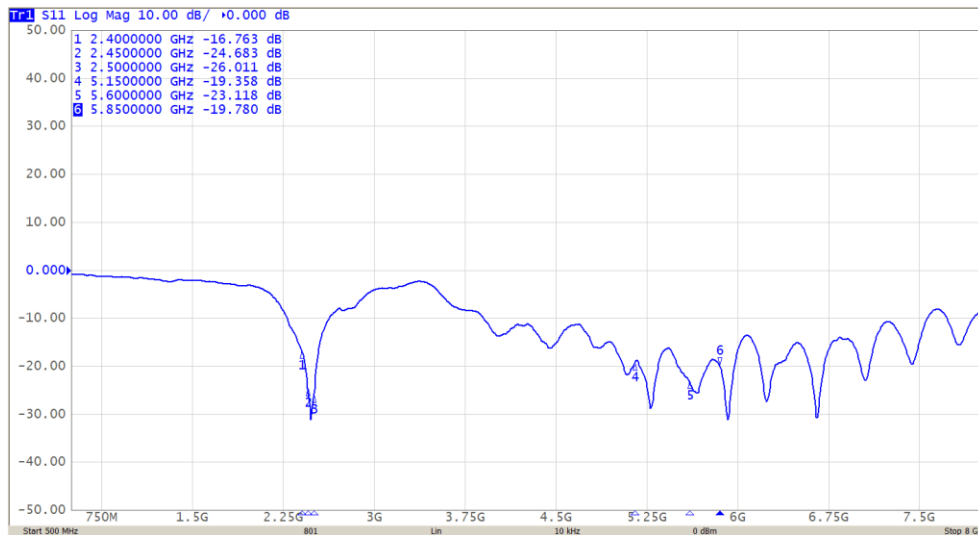
Report date : 2022/06/13



Antenna Specification

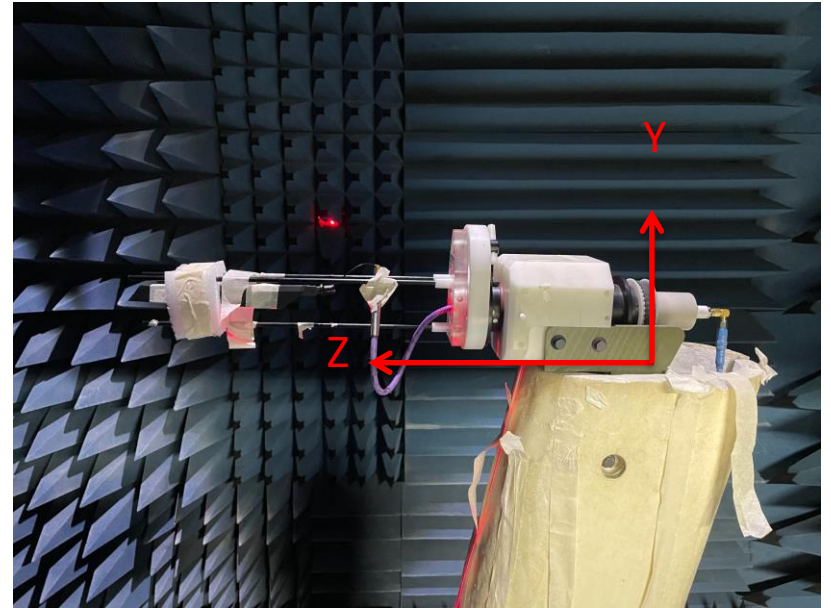
Ant1	Specification	Specification
Frequency(GHz)	2.4~2.5	5.15-5.85
Bandwidth	100MHz (Min.)	700MHz (Min.)
Return Loss	10 dB (Min)	10 dB (Min)
Polarization	Linear	Linear
Azimuth Bandwidth	Omni-directional	Omni-directional
Peak Gain	2.05 dBi (Max)	4.67 dBi (Max)
Impedance	50Ω	50Ω
Material	Copper tube	Copper tube
Maximum Power	1W	1W
V.S.W.R	2 : 1	2 : 1
Radiation	Omni directional	Omni directional
Efficiency	>60% (Typical)	>59% (Typical)
Connector	MHF I	MHF I
Cable type	OD:1.37	OD:1.37
Operating Temperature	-10~60°C	-10~60°C
Storage temp	-10~70°C	-10~70°C

Return Loss



Freq(MHz)	2400	2450	2500	5150	5600	5850
S11(dB)	-16.7	-24.6	-26.0	-19.3	-23.1	-19.7

Chamber measurement photo



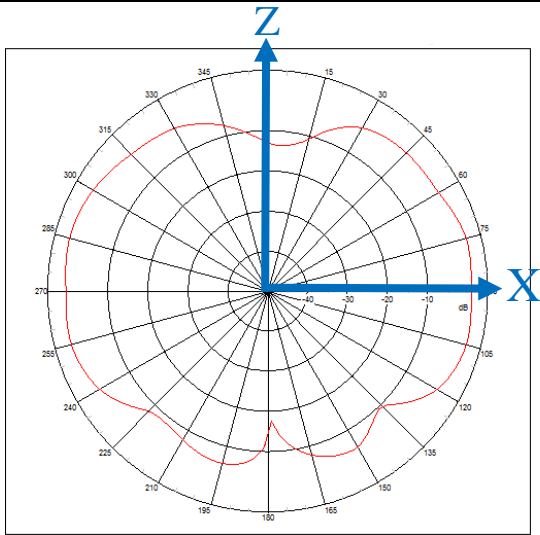
3D Gain Total

Freq(MHz)	Peak Gain(dBi)	3D-avg Gain(dBi)	Efficiency(%)
2400	1.59	-1.38	73
2450	2.05	-0.94	80
2500	1.75	-1.27	75
5150	4.36	-2.31	59
5250	4.54	-2.05	62
5350	4.6	-1.6	69
5470	3.93	-1.82	66
5600	3.91	-1.57	70
5725	3.93	-1.3	74
5785	3.99	-1.23	75
5850	4.67	-0.43	91

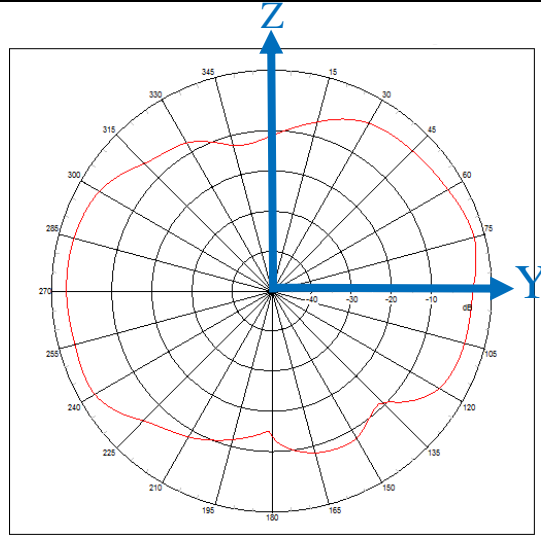
Antenna Pattern Wieson

Frequency: 2450MHz

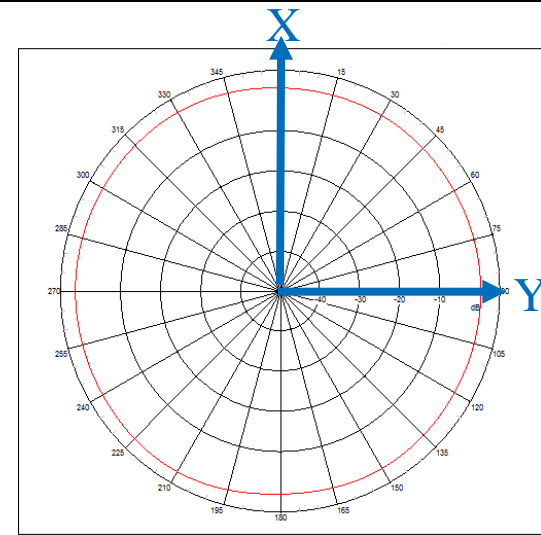
ZX-plane



YZ-plane



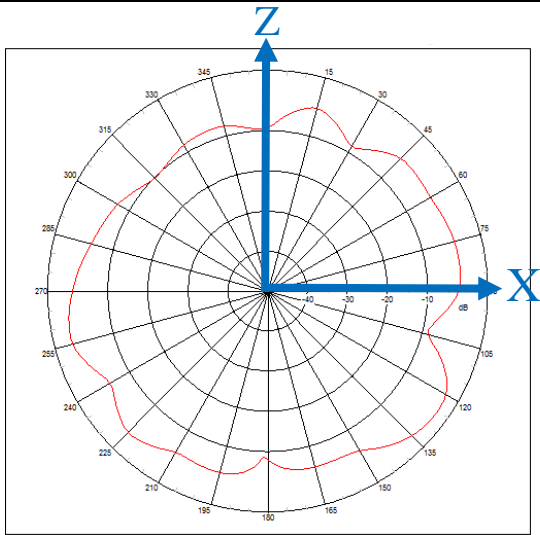
XY-plane



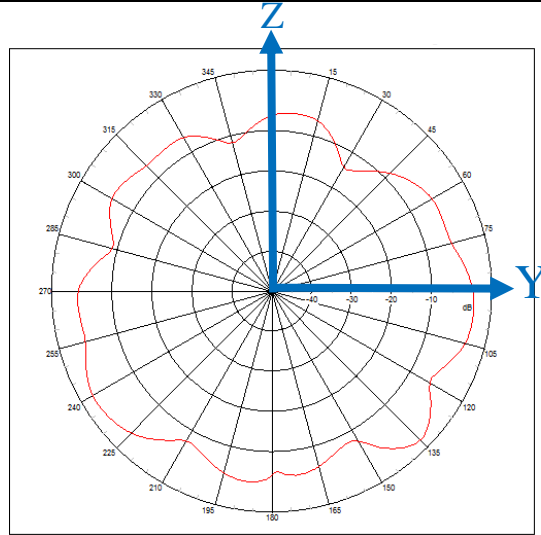
Antenna Pattern Wieson

Frequency: 5150MHz

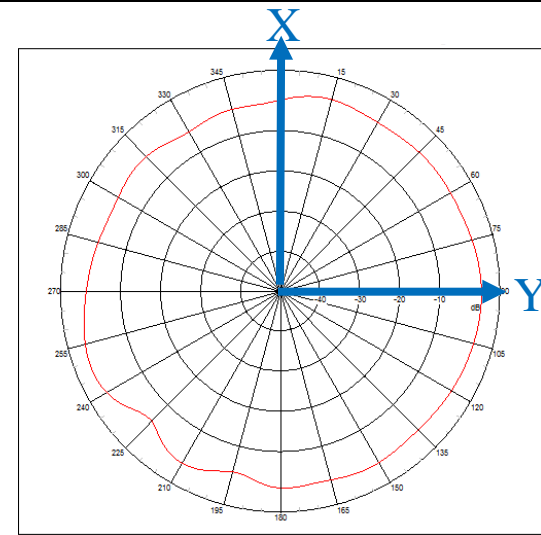
ZX-plane



YZ-plane



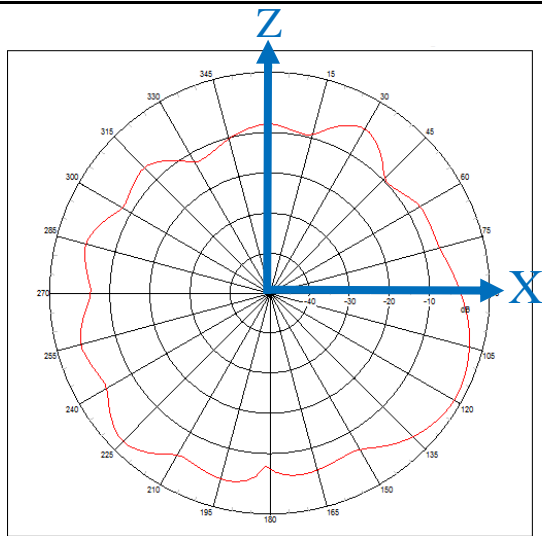
XY-plane



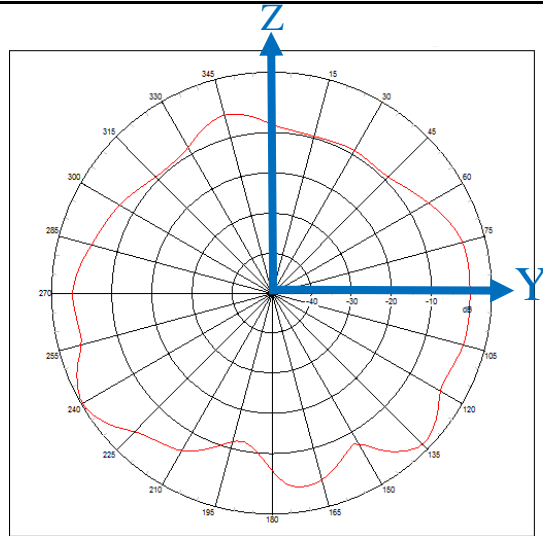
Antenna Pattern Wieson

Frequency: 5600MHz

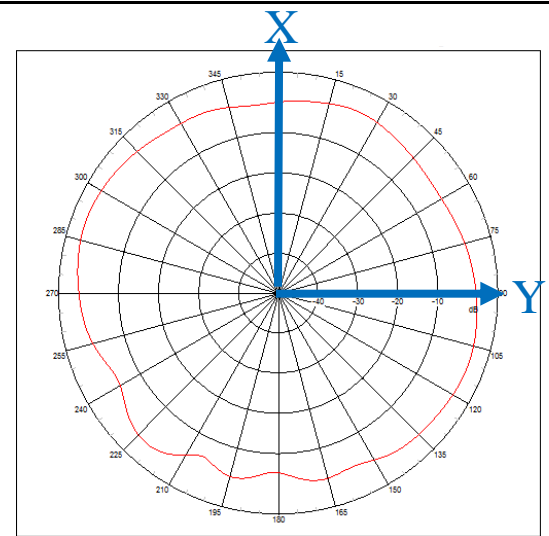
ZX-plane



YZ-plane



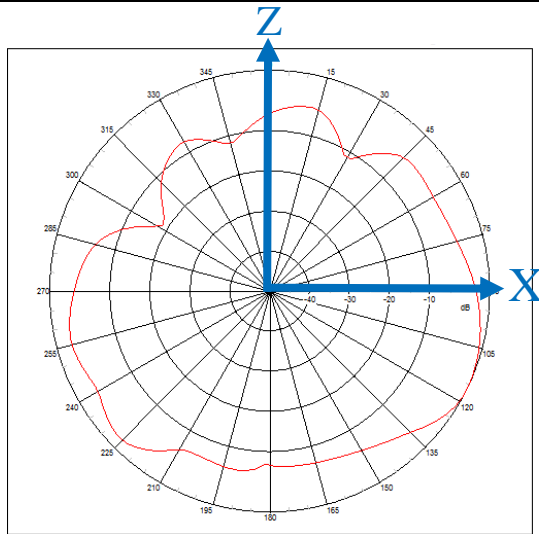
XY-plane



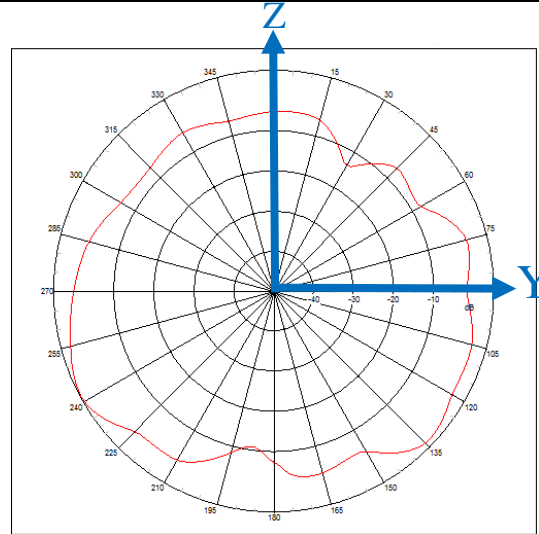
Antenna Pattern Wieson

Frequency: 5850MHz

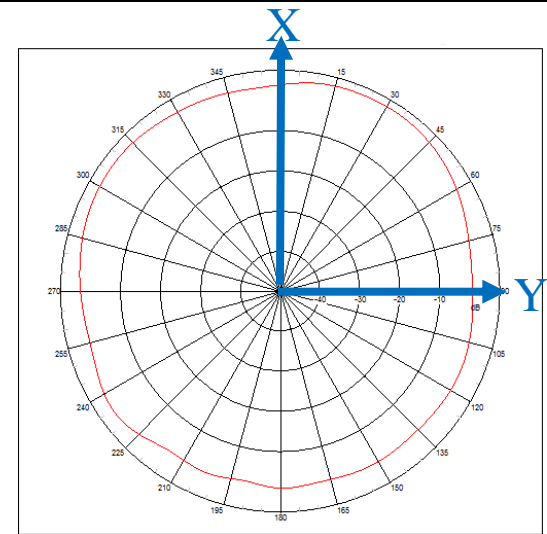
ZX-plane



YZ-plane



XY-plane





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:
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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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