

Specification sheet

Customer name	Star Card Technology
Customer P/N	1. 02. 23. 0140
Article Description	ThinkScan 919 antenna (WIFI/BT 2-in-1 antenna), RoHS
TOXU Part No.	KC. IA. 00520
Approval sheet No.	A20240606-002
Date	2024. 06. 06

Signature confirmation			
Supplier signature		Customer signature	
Li Dewen			
seal:		seal:	
date	2024. 06. 06	date	
Remarks:			

ADDRESS: 5 th floor, No. 52 , Xikeng Road, Xikeng community, Fucheng street, Longhua District, Shenzhen

(TEL) : 0755-28199597

(WEB) : www.toxutech.com

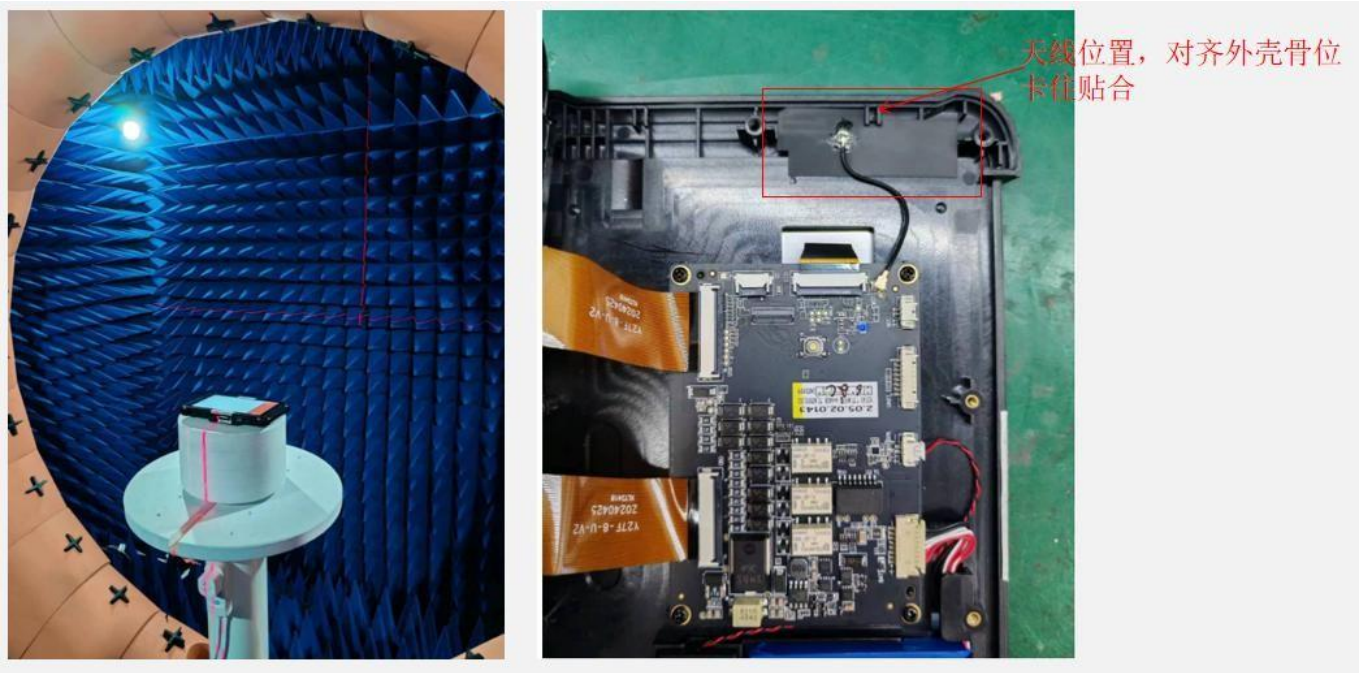
catalogue

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3. Confirmation of Change of Resume

REV	Originator	Date	Change Description
A/1	LI	2024.006.06	First Version

4. Product photos:



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5. Mechanics and Electrical Specification

Name	FPC ANT	Model Type	WiFi/BT ANT
Electrical Specifications			
Frequency Range	2400-2500MHZ	Polarization	linear
Impedance	50 Ω	Radiation direction	omnidirectional
VSWR	≤ 2.0	Power	10W
Gain	5 dBi (MAX)	Bandwidth	100/600MHZ
Mechanical Specifications			
Dimensions	49*18.85*0.45	colour	black
Connector	IPEX-I	Cable Length	55MM
Radome Material	FPC	Salt spray test	48H
Working Temperature	-40℃-+85℃	Limit Temperature	-40℃-+85℃
天线类型 (Antenna type)	IFA		

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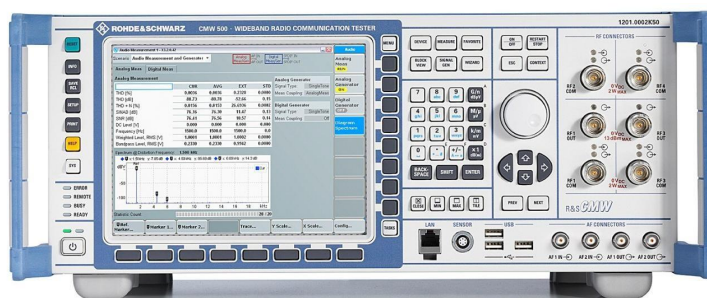
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6 Performance report

6.1 Test Items and Equipment

	Test Items	Test Equipment
S Parameter	1. Return loss 2. VSWR	Network analyzar (Aglient E5071C)
The whole machine of Passive parameters	1. Frequency 2. Gain 3. Radiation Pattem	1.3D microwarve darkroom (4M*3M*3M) 2.Network analyzer
The whole machine of Active parameters	1. TRP 2. TIS	1.3D microwave darkroom (4M*3M*3M) 3. Comprehensive test instrument 4. (CMW500)(E7515E)
Instrument calibration	Once a year, Last calibration: 2023.11.22, Valid until:2024.11.22	



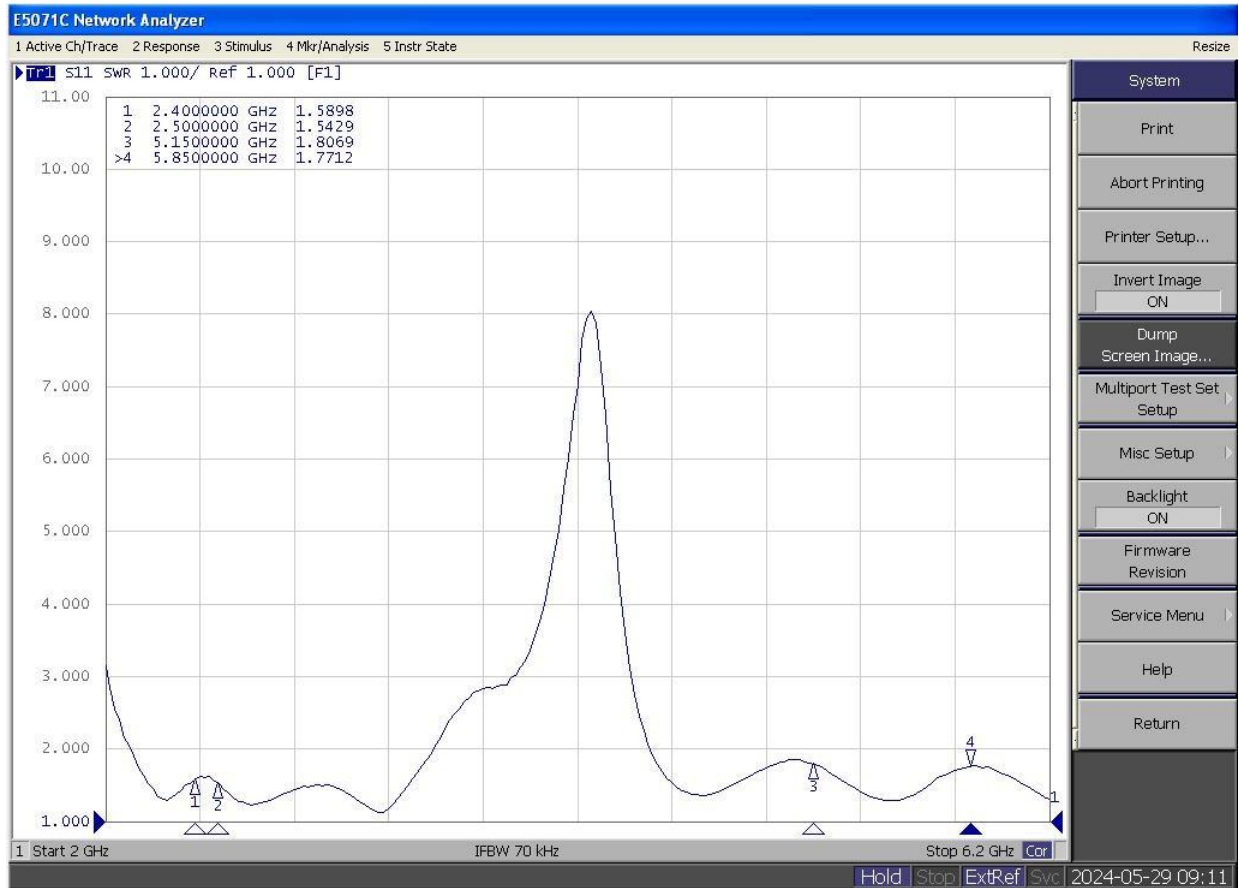
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6.2 Performance report

6.2.1 VSWR:



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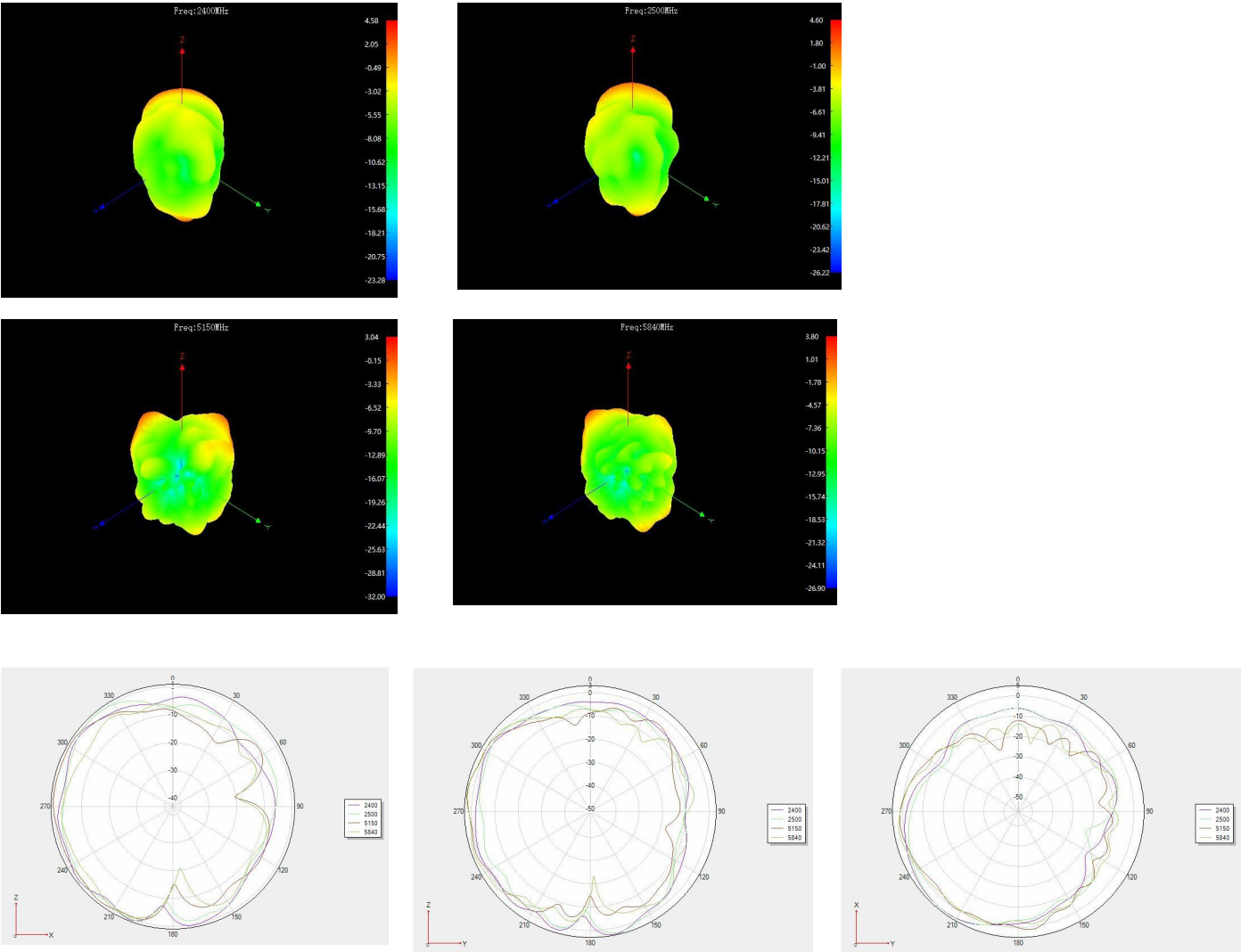
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6.2.2 Efficiency and Gain:

Frequency/Mhz	MaxGain/dBi	Efficiency / %			
2400	4.58	63.24			
2410	4.7	65.31			
2420	4.63	63.68			
2430	4.81	64.27			
2440	4.67	62.95			
2450	4.3	60.67			
2460	4.46	62.66			
2470	4.71	63.24			
2480	4.71	63.53			
2490	5.00	66.07			
2500	4.6	66.83			

6.2.3 3D & 2D Radiation Pattern:



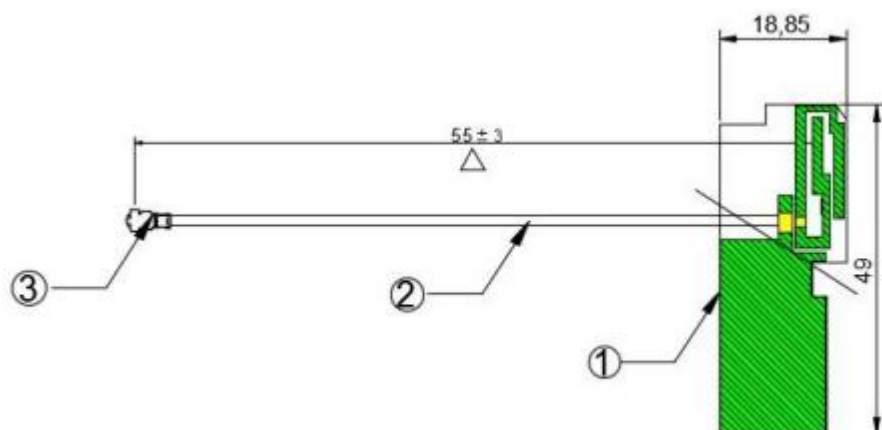
Tested by	DEWEN-LI
Contact phone number	0755-28199597
date	2024.05.12

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7.Customer Drawing



8. Packaging:

Product number: XXXXX			
Product model: XXXXX			
一、Label requirements:			
Customer	xxx		
supplier	XXXXX		
Material coding	xx		
Product model	xx		
Number	XXX PCS	Factory date	X X X
Remarks			
二、Boxing:			
Job description:			
1. Inner packaging:			
XXpcs A bag			
2. External packaging:			
Xx PCS ;			
3. Matters needing attention:			
a. Whether to add partition and pearl cotton;			
b. Label attachments, such as ROHS, etc.;			

