



Shenzhen Tongxun Precision Technology Co., Ltd

Specification sheet

Customer name	
Customer P/N	502230087
Article Description	CE39
TOXU Part No.	KC. IA. 00610
Approval sheet No.	A20250324-004
Date	2025. 03. 24

Signature confirmation			
Supplier signature		Customer signature	
seal:		seal:	
date	2025. 03. 24	date	
Remarks:			



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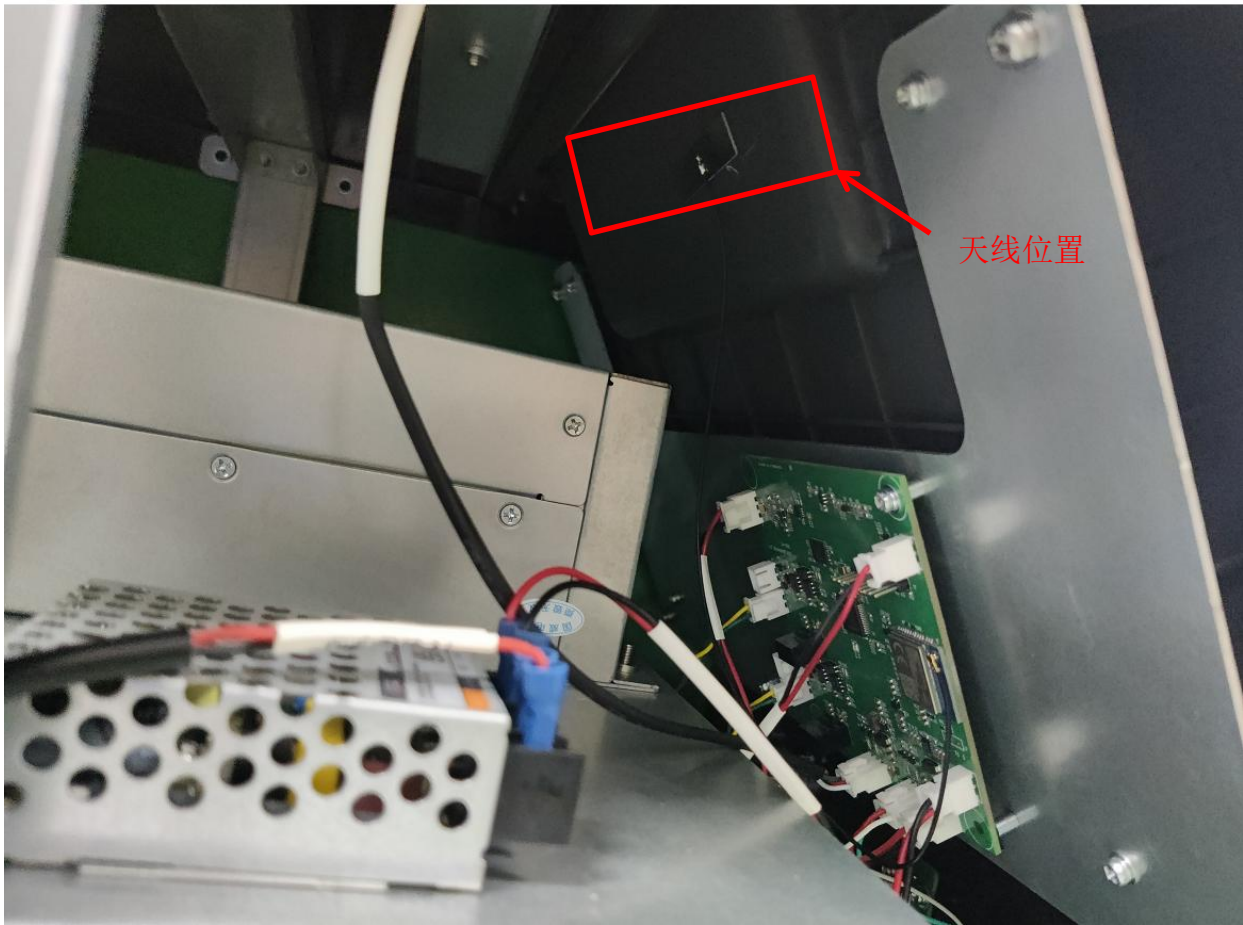
catalogue

1. (Cover Page) -----page(1 to 1)
2. (Content) -----page(2 to 2)
3. (ChangeHistory Sheet) -----page(3 to 3)
4. (Product photos) -----page(3 to 3)
5. (Mechanics and Electrical Specification) -----page(4 to 4)
6. (Performance report) -----page(5 to 6)
7. (Customer Drawing) -----page(7 to 7)
8. (Packing Spec) -----page(8 to 8)

3.

(REV)	(Originator)	(Date)	(Change Description)
A/1	LI	2025.03.24	First Version

4. (Product photos):





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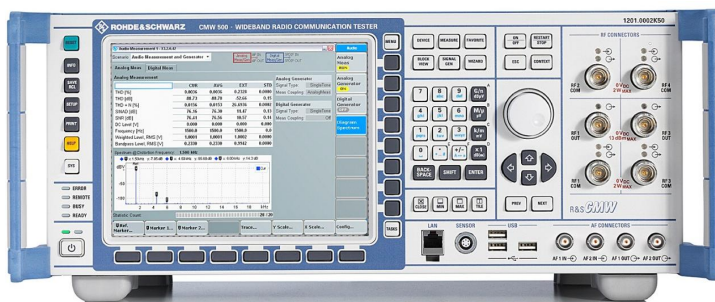
5. (Mechanics and Electrical Specification)

(Name)	CE39	(Model Type)	KC. IA. 00610
(Electrical Specifications)			
(Frenquency Range)	2400-2500MHZ	(Polarization)	linear
(Impedance)	50 Ω	(Radiation direction)	omnidirectional
(VSWR)	≦2.0	(Power)	10W
(Gain)	4.89dBi (MAX)	(Bandwidth)	100MHZ
(Mechanical Specifications)			
(Dimensions)	L*W*T=42.5*10*1.0MM	(colour)	black
(Connector)	IPEX	(Cable Length)	250MM
Radome Material	PCB	(Salt spray test)	48H
(Working Temperature)	-40℃--+85℃	(Limit Temperature)	-40℃--+85℃
(Antenna type)	Dipole		

6 (Performance report)

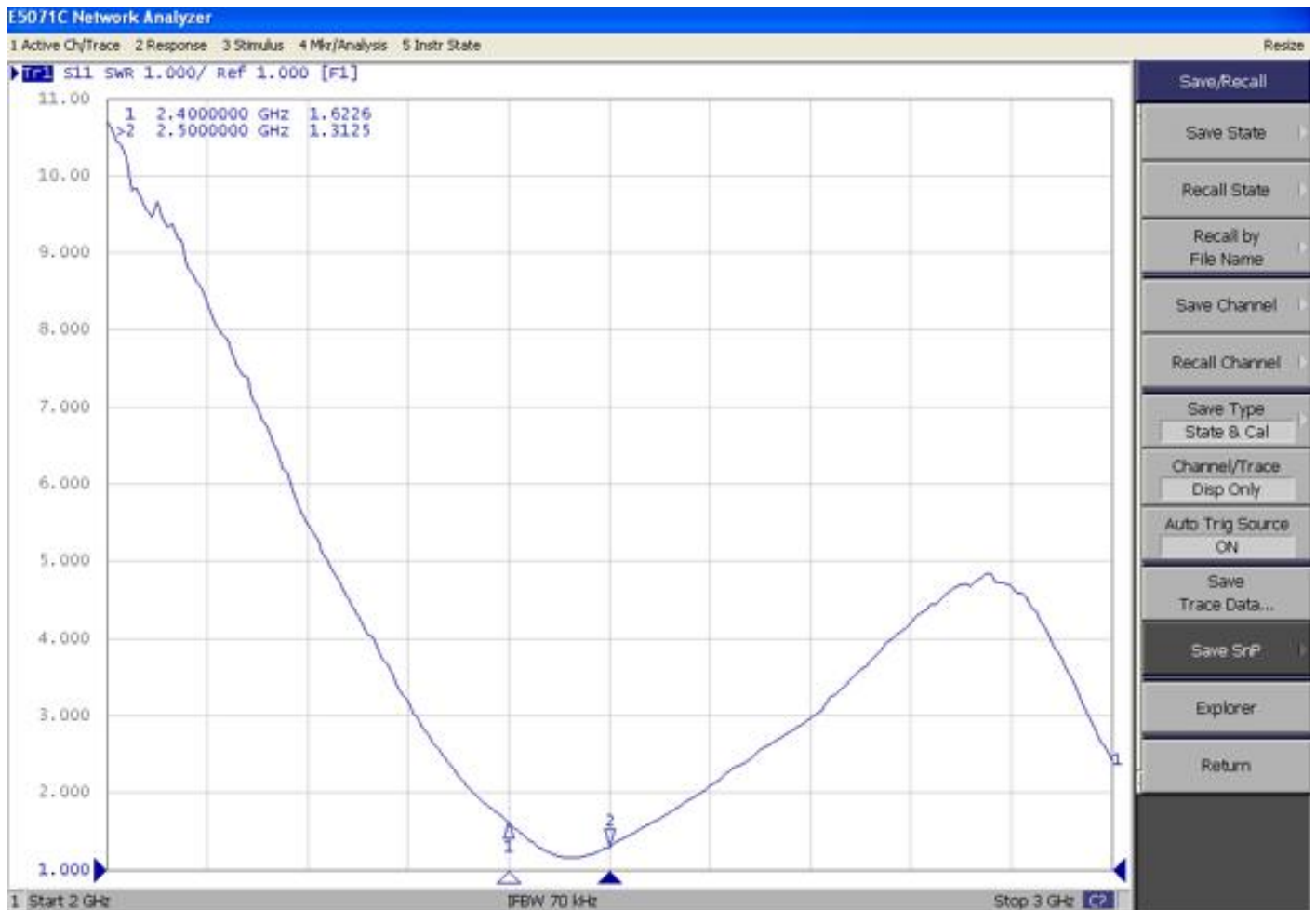
6.1 Test Items and Equipment

	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 Patten	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: 2024.10.22, Valid until:2025.10.21	



6.2 Performance report)

6.2.1 (VSWR) :





6.2.2 (Efficiency and Gain) :

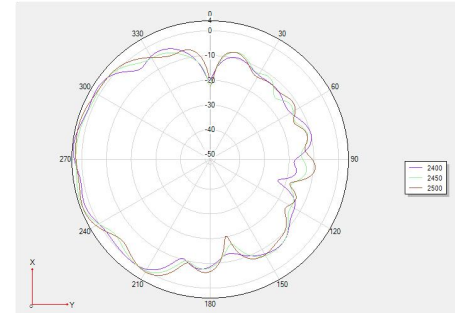
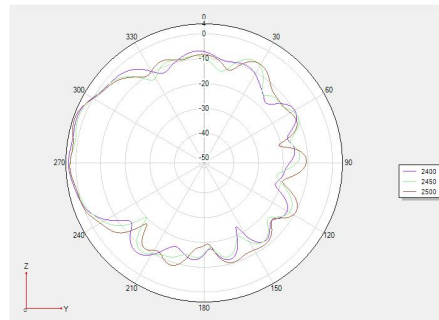
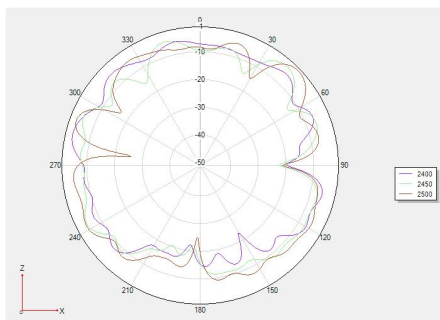
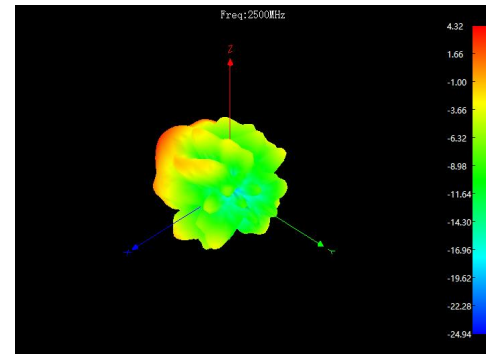
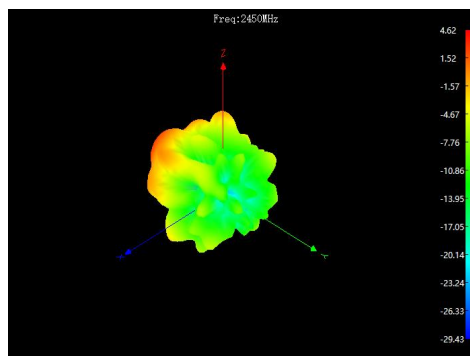
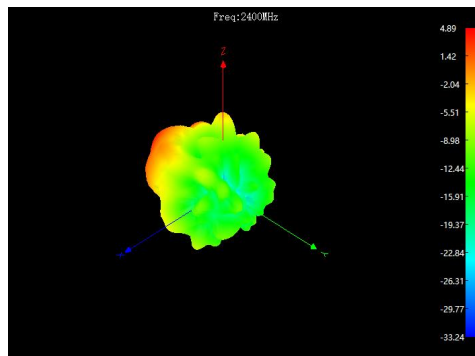
Frequency/MHz	MaxGain/dBi	Efficiency / %
2400	4.89	63.08
2410	4.85	58.25
2420	4.78	59.87
2430	4.52	63.75
2440	4.65	56.11
2450	4.62	56.02
2460	4.78	54.63
2470	4.45	54.08
2480	4.35	55.46
2490	4.52	54.9
2500	4.32	55.73



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6.2.3

3D & 2D Radiation Pattern :



7. Customer Drawing

