

Specification sheet

Star Card Technology

Customer name

Customer P/N

FPC antenna, FPC L*W*T=32.4*7.8*0.25mm, Surface black ink, IPEX
connected with 1.13 black wire, wire length 150mm, ROHS

Article Description

KC. IA. 00726

TOXU Part No.

A20260310-001

Approval sheet No.

2026. 03. 10

Date

Signature confirmation			
Supplier signature		Customer signature	
Li Dewen			
seal :		seal :	
date	2026.03.10	date	
Remarks :			

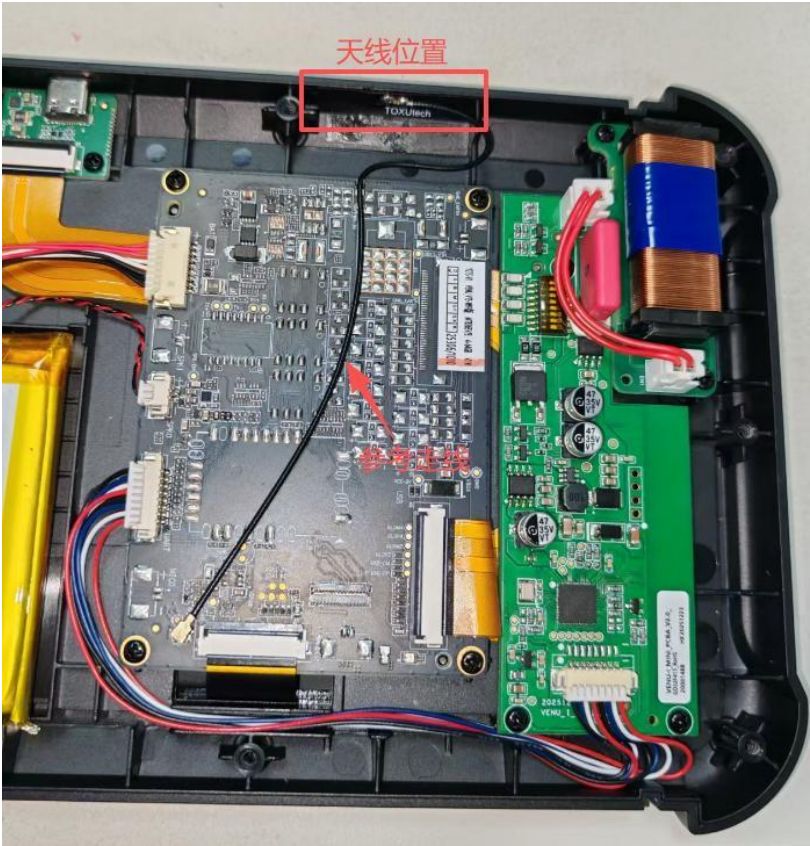
catalogue

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

3. Confirmation of Change of Resume

(REV)	(Originator)	(Date)	(Change Description)
A/1	Devin	2026.03.10	First Version

4. Product photos:



5. (Mechanics and Electrical Specification)

(Name)	VT5-WIFI	(Model Type)	KC. IA. 0726
(Electrical Specifications)			
(Frenquency Range)	2400-2500/5150-5850MHZ	(Polarization)	Linear polarization
(Impedance)	50 Ω	(Radiation direction)	omnidirectional
(VSWR)	≤2	(Power)	10W
(Gain)	2.92 dBi (MAX)	(Bandwidth)	100/700MHZ
(Mechanical Specifications)			
(Dimensions)	L*W*T=32.4*7.8*0.25mm	(colour)	black
(Connector)	IPEX-1	(Cable Length)	150MM (RF1.13)
Radome Material	FPC	(waterproof)	/
(Working Temperature)	-40℃--+85℃	(Limit Temperature)	-40℃--+85℃
(Antenna type)	monopole		

6 (Performance report)

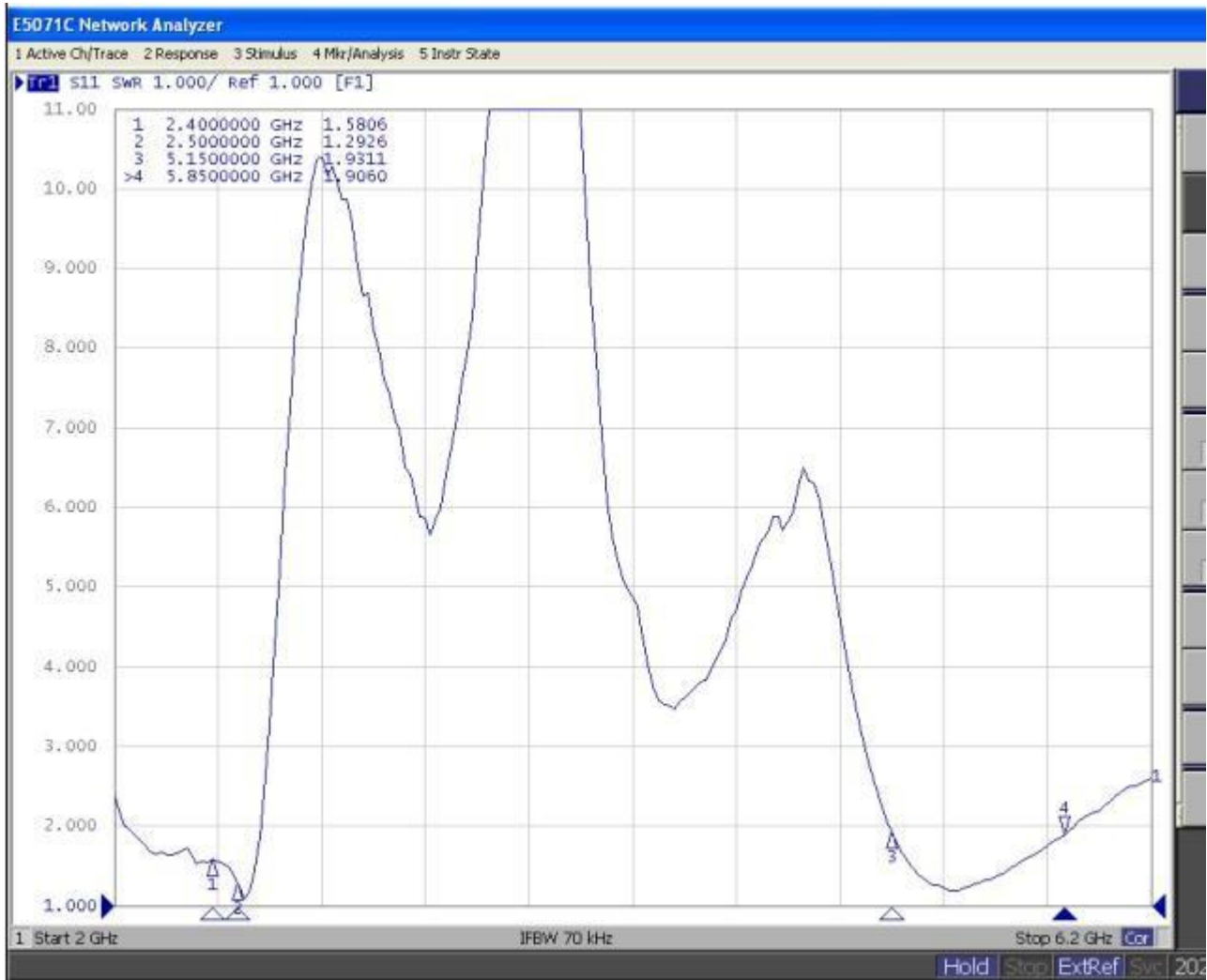
6.1 Test Items and Equipment

	Test Items	Test Equipment
S Parameter	1. Return loss 2. VSWR	network analyzer (E5071C)
The whole machine of Passive parameters	1. Efficiency 2. Gain 3. Radiation direction	1.3D Microwave roomr (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: 2025.10.22, Valid until:2026.10.21	



6.2 (Performance report)

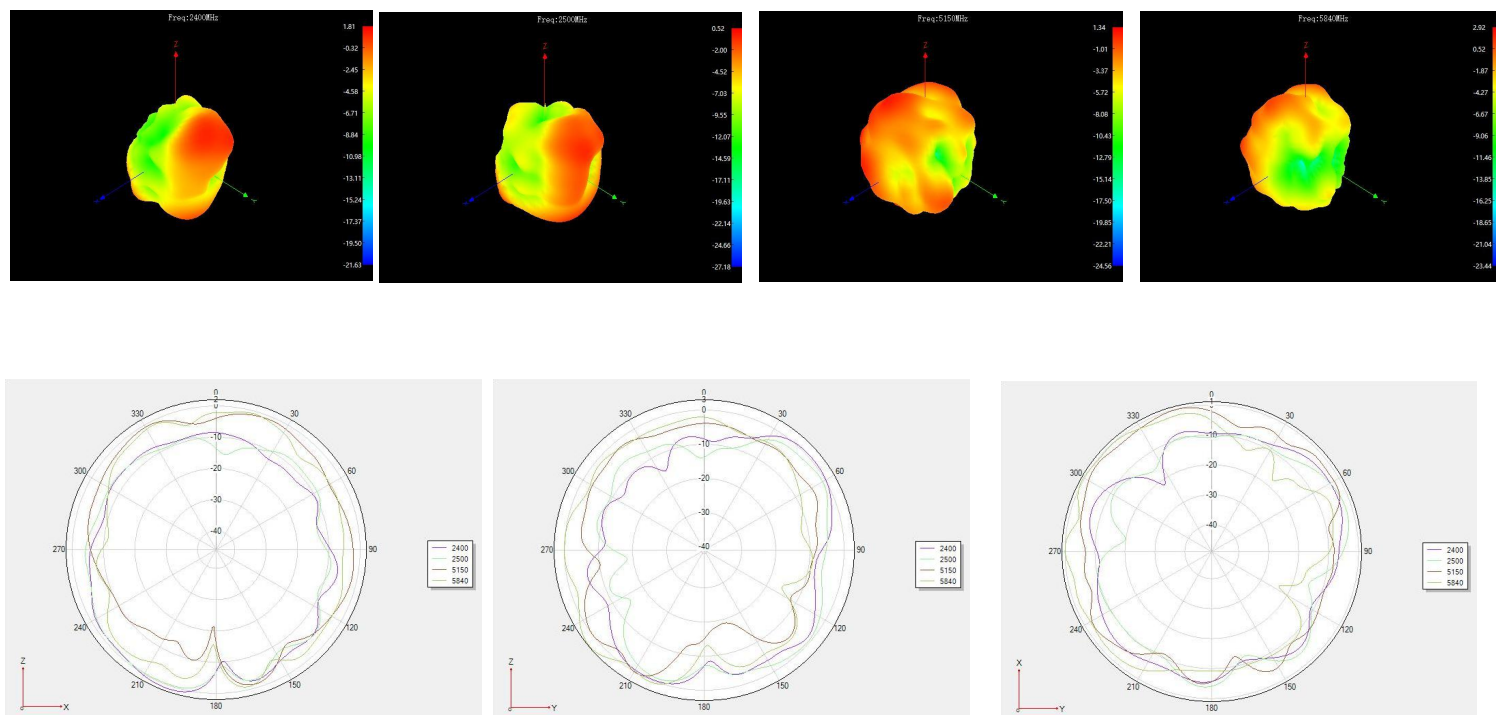
6.2.1 (VSWR) :



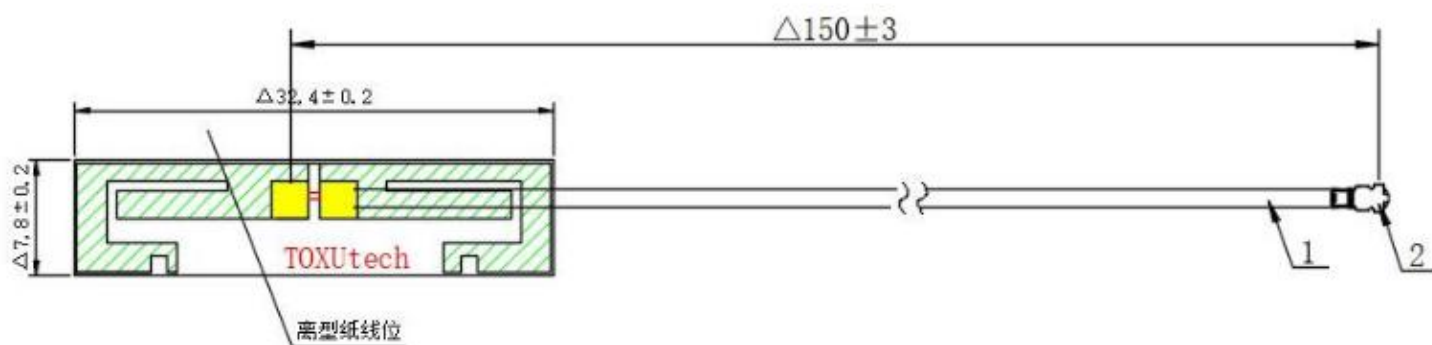
6.2.2 (Efficiency and Gain) :

Frequency/Mhz	MaxGain/dBi	Efficiency / %	Frequency/Mhz	MaxGain/dBi	Efficiency / %
2400	1. 81	42. 73	5330	2. 23	59. 02
2410	2. 4	45. 9	5360	2. 21	60. 95
2420	1. 56	42. 98	5390	2. 19	59. 29
2430	1. 9	43. 5	5420	2. 16	58. 88
2440	1. 62	44. 46	5450	2. 2	61. 66
2450	1. 05	42. 81	5480	2. 18	57. 94
2460	0. 75	41. 73	5510	2. 16	62. 23
2470	0. 36	40. 99	5540	2. 16	61. 94
2480	0. 91	41. 65	5570	2. 28	59. 29
2490	0. 15	41. 73	5600	2. 28	55. 85
2500	0. 52	41. 67	5630	2. 26	57. 02
			5660	1. 78	55. 34
5150	1. 34	59. 43	5690	1. 83	53. 95
5180	1. 78	62. 09	5720	2. 24	56. 89
5210	1. 94	60. 95	5750	2. 4	56. 1
5240	1. 75	59. 7	5780	2. 68	58. 61
5270	1. 91	57. 15	5810	2. 82	56. 62
5300	1. 96	58. 08	5840	2. 92	60. 12

6.2.3 (3D & 2D Radiation Pattern) :



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.;			

