

承 认 书

APPROVAL SHEET

客 户 名 称

CUSTOMER NAME:

产 品 名 称 5G FPC 内置天线 1.13 灰色线+一代端子 L=35mm

PRODUCT NAME:

客 户 料 号

CUSTOMER P/N:

优比电子料号

Youbi P/N: UB01C35F3D5827A REV: A

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
CHECKED BY:	 Lina	
APPROVED BY:	Zhi Jun Zhu	
DATE:	2026-08-13	

Modification History

Version	Content Revision	Issued by	Date
A	Original version	lina	2026-05-23
B	Change silk screen	lina	2026-07-13
C	Modify the data	lina	2026-08-13

Content

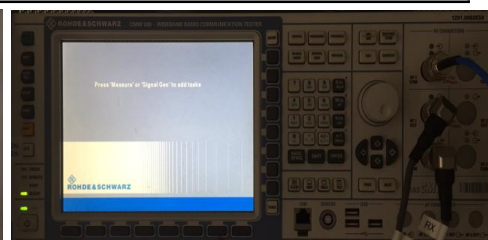
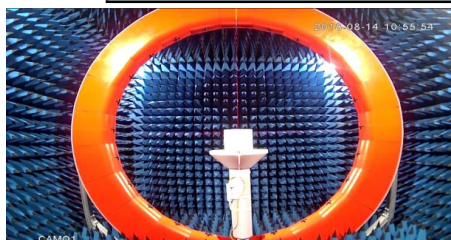
<i>Item</i>	<i>Description</i>
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1. Electrical Specification

Characteristics	Specifications	Unit
Outline Dimensions	Ø14.8*19,L35	mm
Frequency	5150-5850MHz	MHz
Impedance	50	Ω
VSWR	< 1.92	
Polarization	Linear Polarization	
AVG Gain	2.18	dBi
Peak Gain	2.87	dBi
Efficiency	>50	%
Connector Type	1.13 RF1	
Operating temperature	-40℃~+80℃	
Storage Temp	-40℃~+80℃	

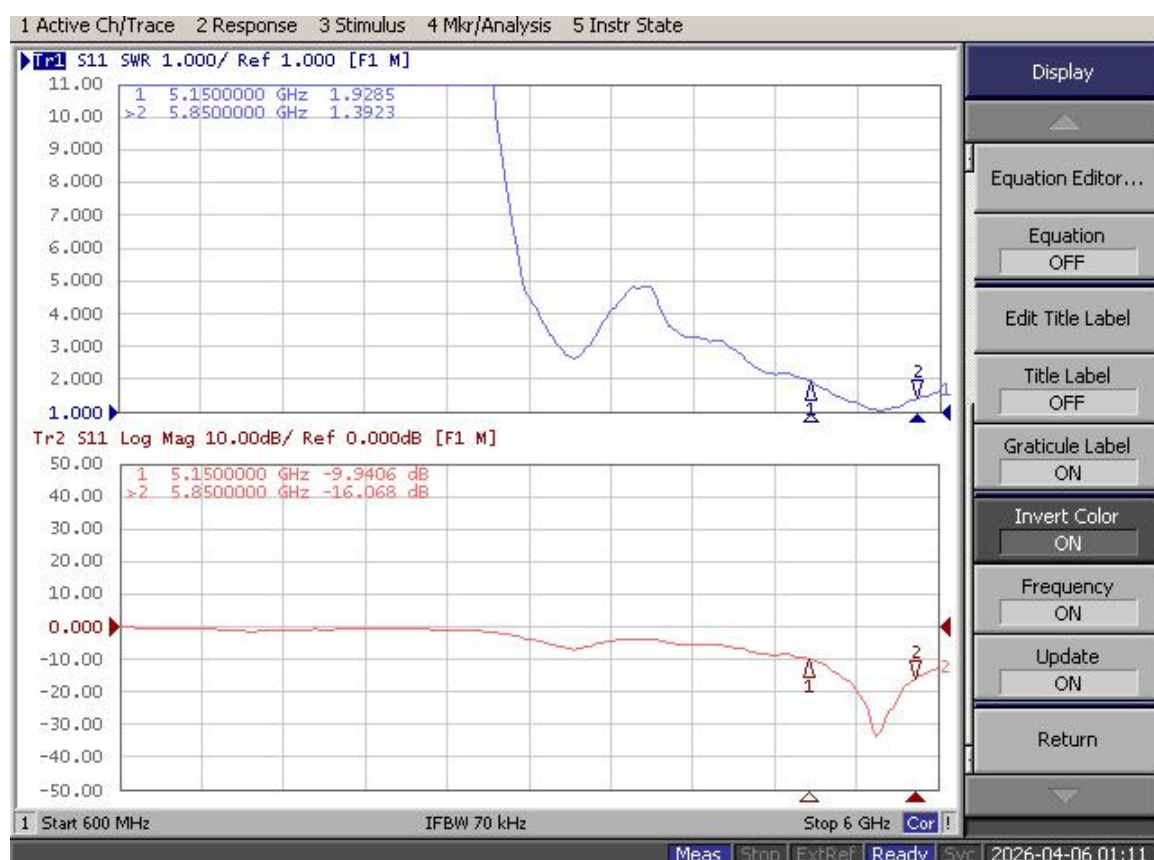
2. Test Items and Equipment

	Test items	Test equipment
S Parameter	1.Return Loss 2.VSWR	Network analyzer (Agilent E5071B)
The whole machine of Passive parameters	1.Frequency 2.Gain 3.Radiation Pattern	1.3D microwave darkroom (5m*5m*5m) 2.Network analyzer (Agilent E5071B)
The whole machine of Active parameters	1.TRP 2.TIS	1.3D microwave darkroom (5m*5m*5m) 2.Comprehensive test instrument (CMW500)



3. S Parameter

Frequency (MHz)	VSWR	Return Loss (dB)
5150	1.92	-9.9
5850	1.39	-16



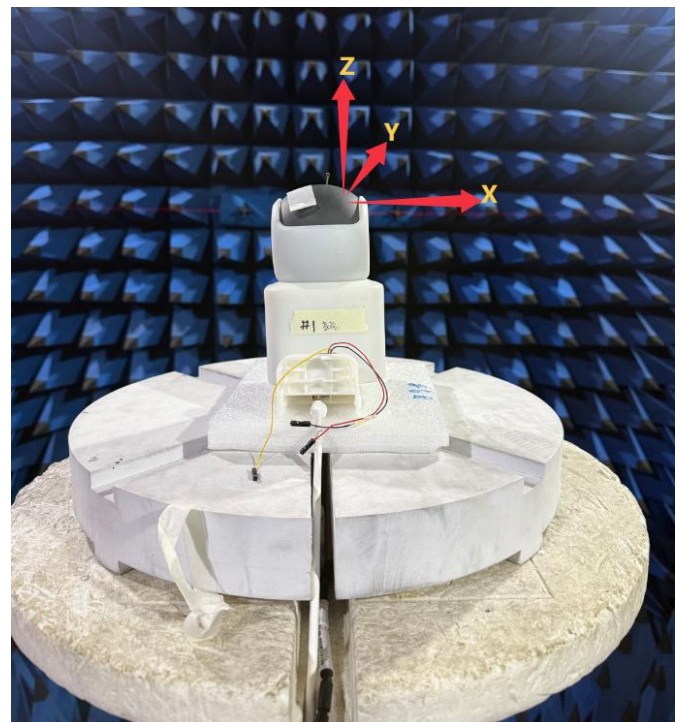
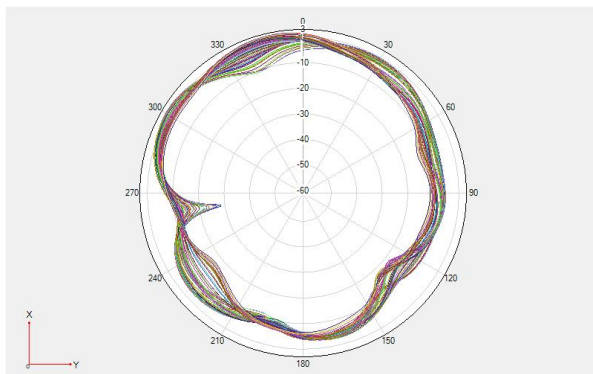
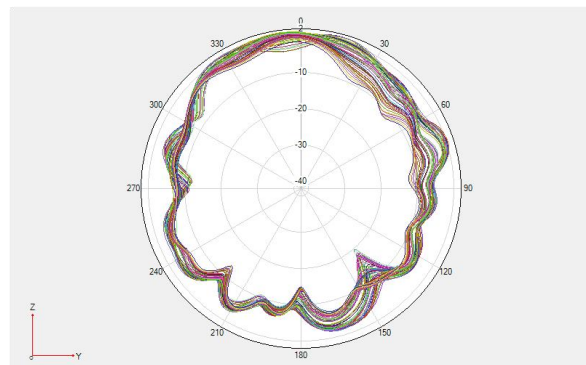
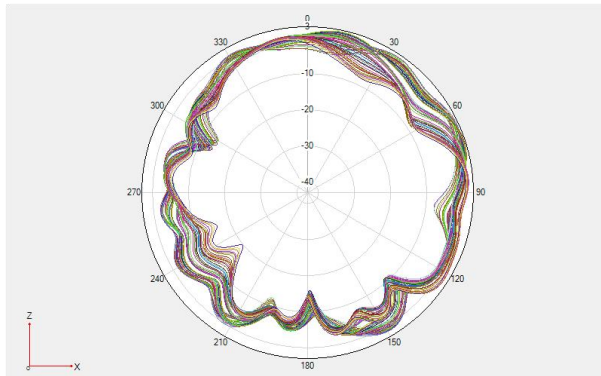
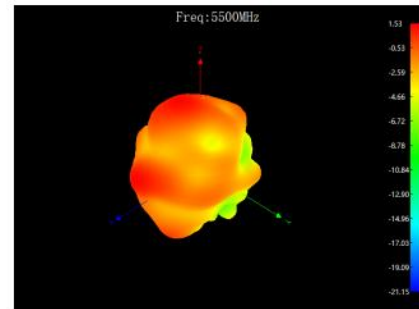
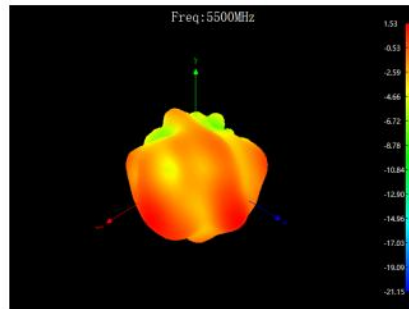
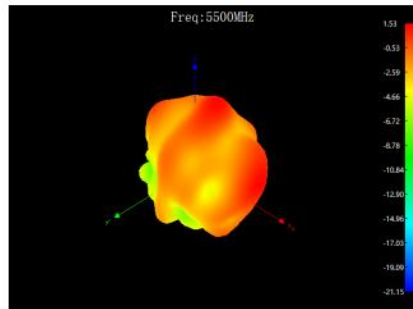
4. Efficiency and Gain

Frequency/Mhz	Efficiency / dB	Efficiency / %	MaxGain/dBi
5150	-2.85	51.88	1.81
5160	-3.01	50	1.65
5170	-2.73	53.33	1.84
5180	-2.54	55.72	2.09
5190	-2.43	57.15	2.17
5200	-2.56	55.46	1.96
5210	-2.42	57.28	2.45
5220	-2.6	54.95	2.18
5230	-2.7	53.7	2.04
5240	-2.48	56.49	2.12
5250	-2	63.1	2.55
5260	-1.99	63.24	2.39
5270	-1.93	64.12	2.46
5280	-1.9	64.57	2.59
5290	-1.94	63.97	2.52
5300	-2.41	57.41	2.76

5310	-2.17	60.67	2.17
5320	-2.14	61.09	2.21
5330	-2.14	61.09	2.39
5340	-2.14	61.09	2.38
5350	-2.13	61.24	2.57
5360	-2.16	60.81	2.54
5370	-2.23	59.84	2.56
5380	-2.16	60.81	2.6
5390	-2.2	60.26	2.58
5400	-2.27	59.29	2.48
5410	-2.37	57.94	2.52
5420	-2.28	59.16	2.55
5430	-2.4	57.54	2.47
5440	-2.29	59.02	2.62
5450	-2.33	58.48	2.56
5460	-2.19	60.39	2.8
5470	-2.34	58.34	2.76
5480	-2.27	59.29	2.87
5490	-2.36	58.08	2.77
5500	-2.55	55.59	1.53
5510	-2.77	52.84	1.26
5520	-2.43	57.15	1.71
5530	-2.28	59.16	1.78
5540	-2.31	58.75	1.89
5550	-2.45	56.89	1.69
5560	-2.59	55.08	1.63
5570	-2.81	52.36	1.39
5580	-2.43	57.15	1.91
5590	-1.99	63.24	2.32
5600	-2.27	59.29	2.13
5610	-2.44	57.02	1.5
5620	-2.6	54.95	1.37
5630	-2.41	57.41	1.6
5640	-2.62	54.7	1.45
5650	-2.15	60.95	2.05
5660	-2.22	59.98	1.5
5670	-2.29	59.02	1.61
5680	-2.48	56.49	1.48
5690	-2.23	59.84	1.87
5700	-2.61	54.83	1.5

5710	-2.13	61.24	2.17
5720	-1.94	63.97	2.28
5730	-1.98	63.39	2.32
5740	-2.36	58.08	1.92
5750	-2.09	61.8	2.24
5760	-2.12	61.38	2.2
5770	-1.86	65.16	2.57
5780	-1.76	66.68	2.71
5790	-1.91	64.42	2.57
5800	-2.06	62.23	2.46
5810	-1.71	67.45	2.84
5820	-1.77	66.53	2.8
5830	-1.96	63.68	2.53
5840	-2.12	61.38	2.45
5850	-2.37	57.94	2.09

5. Radiation Pattern 2D&3D



6. Active data

Measurement	Band	Channel	Frequency	Total
TRP	WIFI_A (54M)	36	5180	11.42
TRP	WIFI_A (54M)	149	5745	12.25
TRP	WIFI_A (54M)	165	5825	12.4
TIS(EIRP)	WIFI_A (54M)	36	5180	-75.19
TIS(EIRP)	WIFI_A (54M)	149	5745	-73.97
TIS(EIRP)	WIFI_A (54M)	165	5825	-74.09
TRP	WIFI_A (54M)	64	5320	11.85
TIS(EIRP)	WIFI_A (54M)	64	5320	-75.64

7. Mechanical Specification

