

承 认 书

APPROVAL SHEET

客 户 名 称

CUSTOMER NAME:

产 品 名 称

PRODUCT NAME: 4G FPC built-in antenna L=60mm 1.13 black wire+terminal

客 户 料 号

CUSTOMER P/N:

优比电子料号

Youbi P/N: UB01C60F1D5674A REV: A

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
CHECKED BY:	Lina 	
APPROVED BY:	Tufang, Hang	
DATE:	2026/01/14	

Modification History

Version	Content Revision	Issued by	Date
A	Original version	Lina	2026-01-14

Content

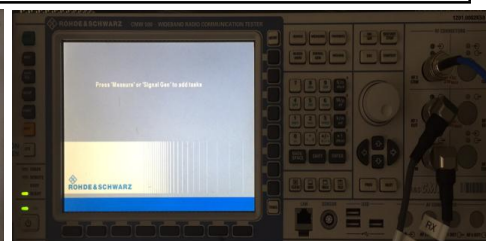
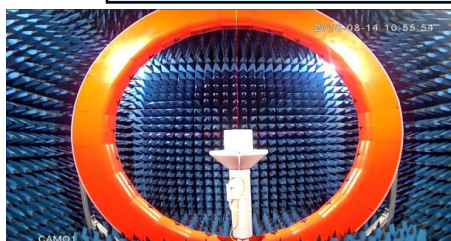
<i>Item</i>	<i>Description</i>
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1. Electrical Specification:

Characteristics	Specifications
Outline Dimensions (mm)	49.5*42.4,L=60
Frequency (MHz)	617-2700
Impedance	50 Ω
VSWR	< 2
Polarization	Linear Polarization
Gain(dBi)	1 $\pm$ 4
Efficiency	>9%
Connector Type	RF 1
Operating temperature	-20℃~+85℃
Storage Temp	-20℃~+50℃

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)



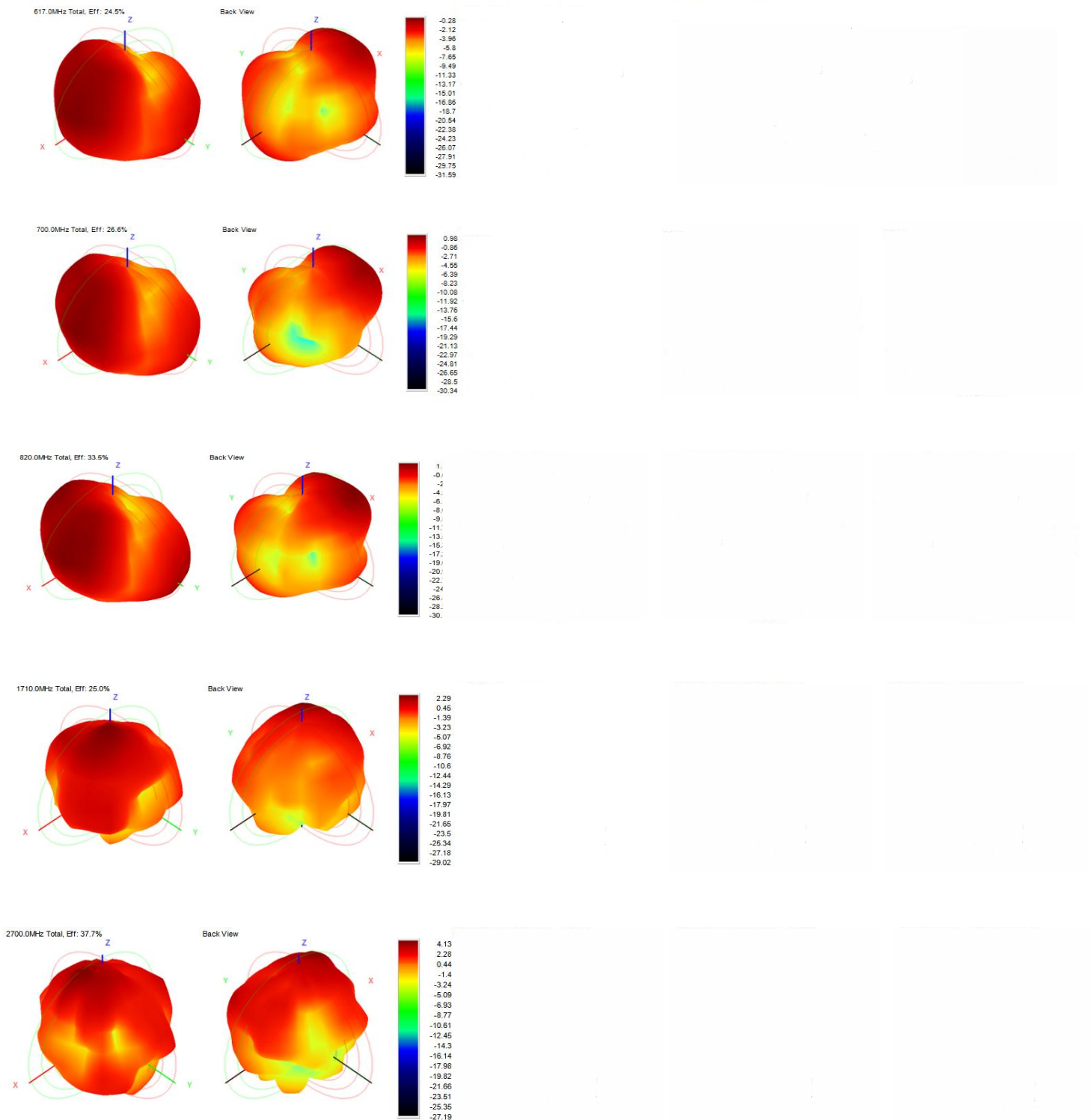
3.S Parameter



4. Efficiency and Gain

Frequency / MHz	Efficiency/ %	Gain/dBi
617	24.50	-0.28
700	26.60	0.98
820	33.47	1.19
860	18.86	0.39
920	9.55	-3.30
1710	24.96	2.29
1920	41.22	2.94
2100	51.64	4.62
2200	49.90	4.34
2310	47.37	4.33
2400	45.15	3.72
2520	39.09	2.64
2610	39.49	3.75
2700	37.73	4.13

5. Radiation Pattern



6. Antenna installation diagram



7. Mechanical Specification

