

承 认 书

APPROVAL SHEET

客 户 名 称

CUSTOMER NAME:

产 品 名 称

PRODUCT NAME: 2.4/5.8G 2db FPC 内置天线 L=160mm+端子

客 户 料 号

CUSTOMER P/N: EW0600016

优比电子料号

Youbi P/N: UB01C160F2D5607A REV: A

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
CHECKED BY:	Eddy	
APPROVED BY:	 Tufang. Hang	
DATE:	2025/12/05	

Modification History

Version	Content Revision	Issued by	Date
A	Original version	Eddy	2025-12-05

Content

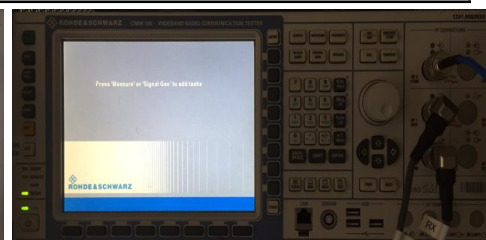
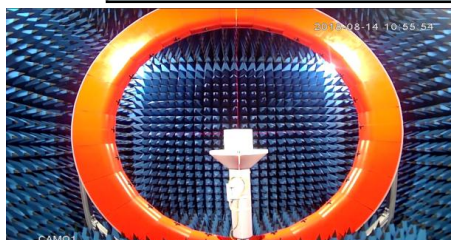
<i>Item</i>	<i>Description</i>
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1. Electrical Specification:

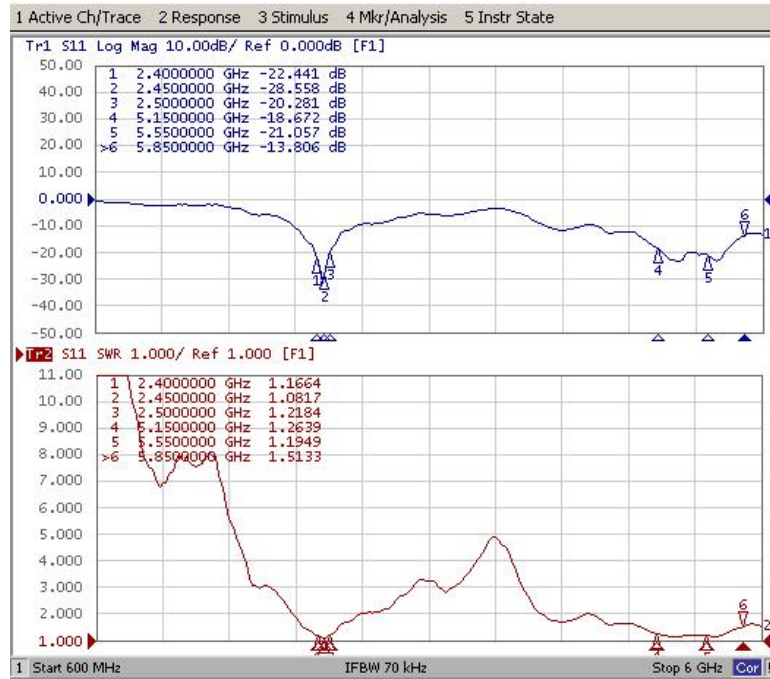
Characteristics	Specifications
Outline Dimensions (mm)	37.4x14.1,L160
Frequency (MHz)	2400-2500/5150-5850
Impedance	50 Ω
VSWR	< 2
Polarization	Linear Polarization
Gain(dBi)	4.0 $\pm$ 1 @2.4G 4.0 $\pm$ 2 @5.8G
Efficiency	>45 %
Connector Type	RF 1
Operating temperature	-20 $^{\circ}$ C~+85 $^{\circ}$ C
Storage Temp	-20 $^{\circ}$ C~+50 $^{\circ}$ C

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

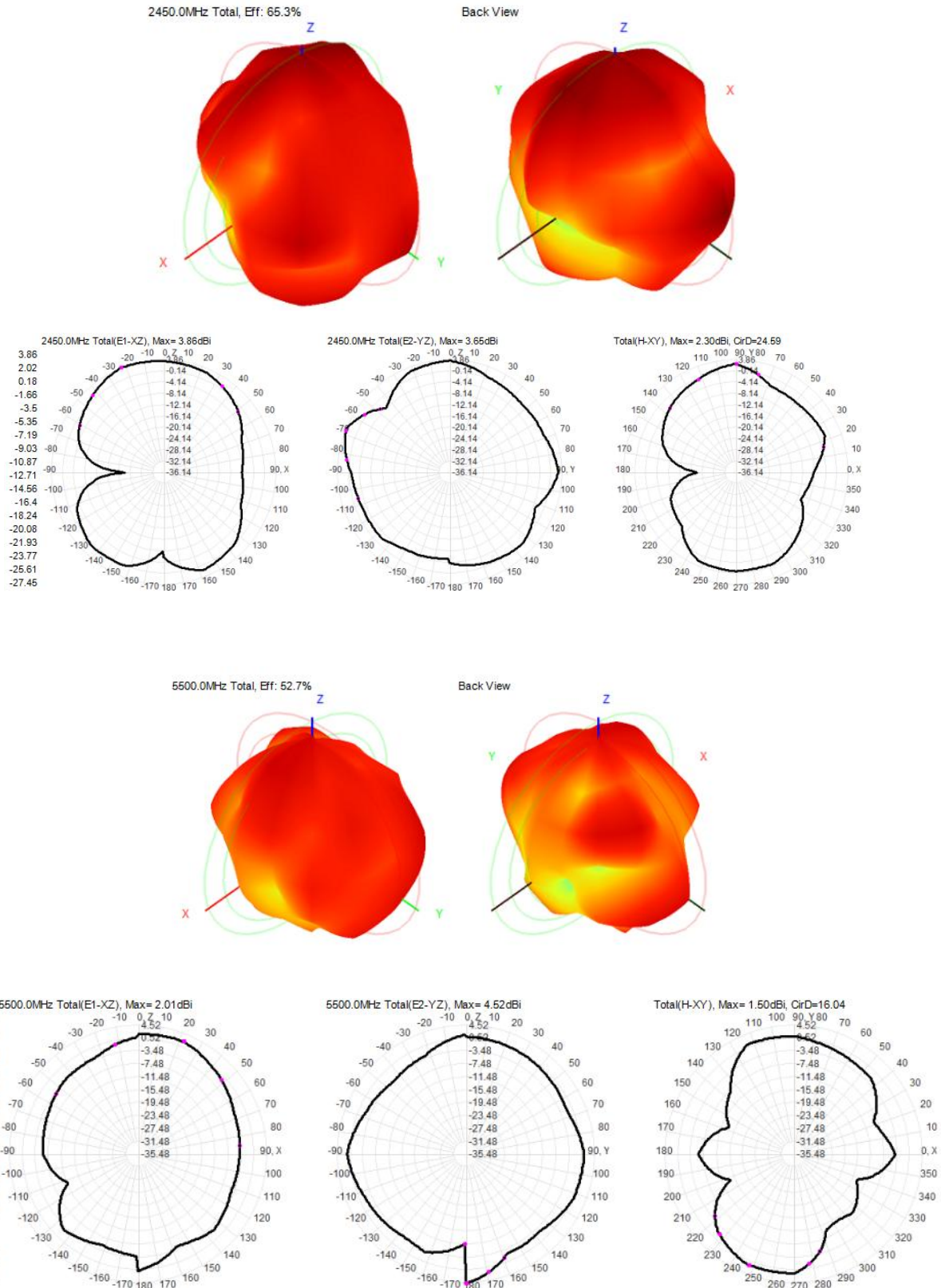


4. Efficiency and Gain

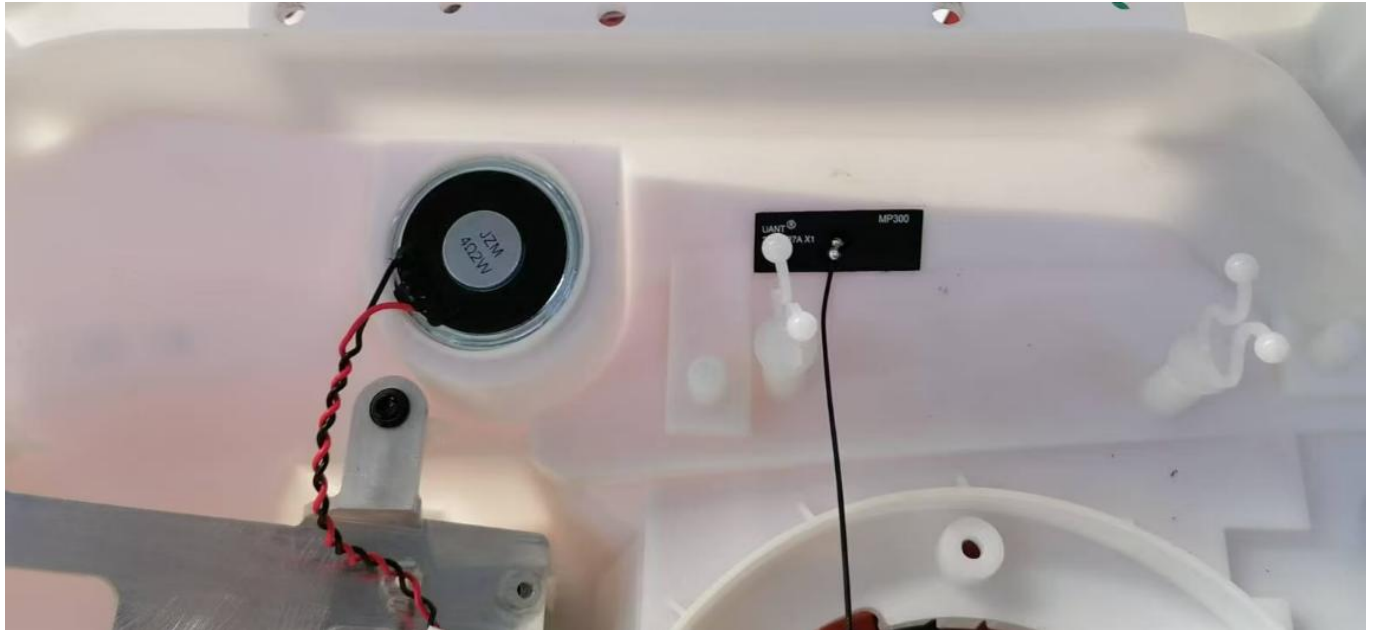
Frequency / MHz	Efficiency/ %	Gain/dBi
2400	61.24	3.66
2410	63.51	3.90
2420	65.41	4.24
2430	65.09	4.06
2440	64.41	3.87
2450	65.35	3.86
2460	65.85	4.02
2470	65.37	4.07
2480	62.41	4.03
2490	64.15	3.84
2500	63.53	3.38

Frequency / MHz	Efficiency/ %	Gain/dBi
5150	55.79	4.93
5200	51.54	5.64
5250	51.34	4.93
5300	51.44	4.63
5350	52.71	5.24
5400	51.28	4.74
5450	50.22	4.37
5500	52.70	4.98
5550	51.01	4.69
5600	49.42	3.27
5650	46.86	3.56
5700	48.82	3.18
5750	49.35	3.55
5800	50.90	3.45
5850	49.82	2.76

5. Radiation Pattern



6. Antenna installation diagram



7.Mechanical Specification

