



SPECIFICATIONFORAPPROVAL

CUSTOMERNAME Duo Hao

ANTENNA TYPE External Antenna

PRODUCTNAME: 2.4/5GHz L=57MM

CUSTOMER P/N: 660100212

RenFeng P/N: U00T01S126N07413 REV:C

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
CHECKED BY:	Li Jia Xing	
AUDITOR BY:	Song Jun	
APPROVED BY:	Yao Ding Jun	
DATE:	2024-12-05	

Resume					
Edition No.	Modify chapter	Modify Page	Effective date	File and data changes	Changere corder
A			2024/12/05	First edition release	Li
B	Five	Five	2025/02/24	Change the color of the plastic	Li
C	Five	Five	2025/05/10	Change the length of the line	Li



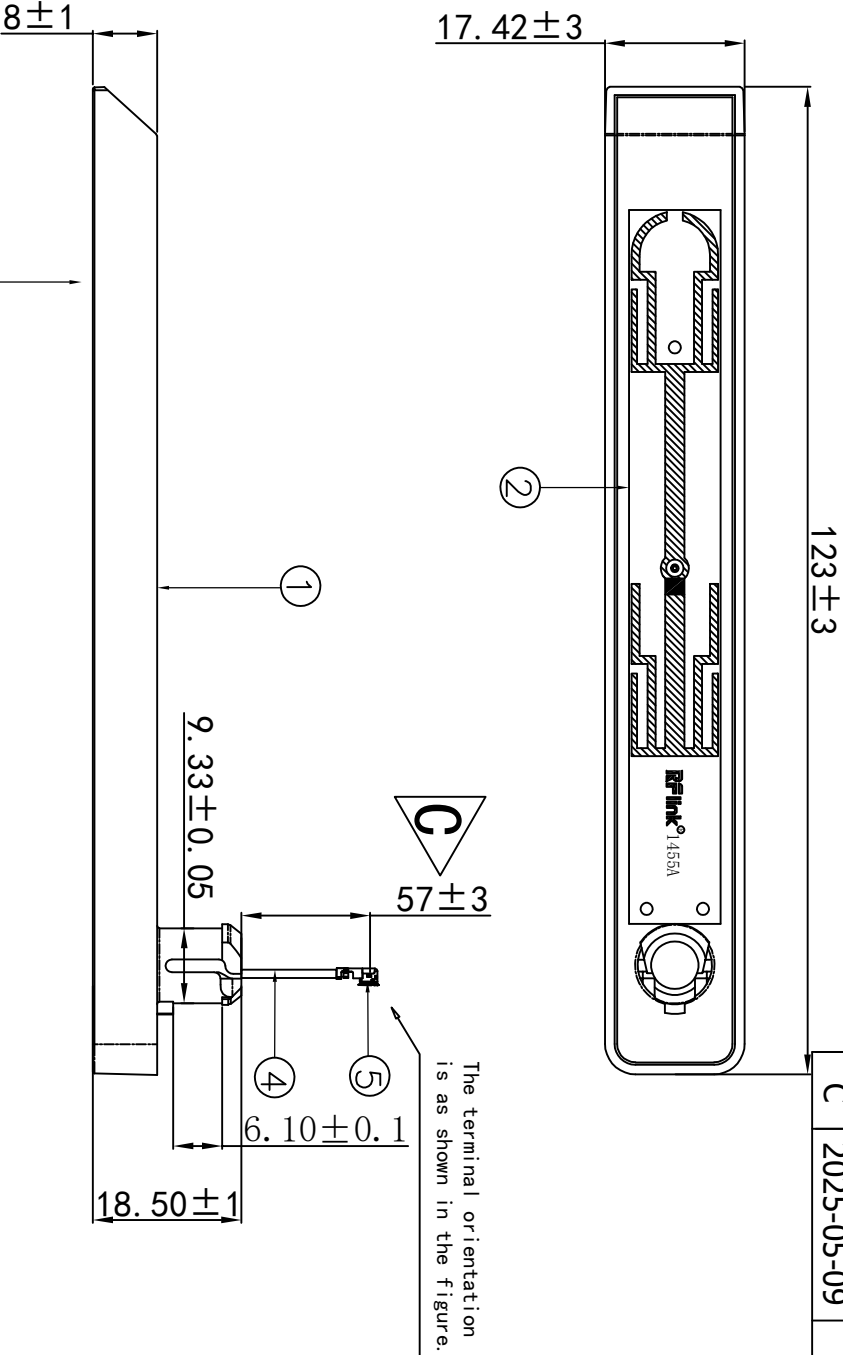
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Main technical parameters of the product

Main technical specifications		Main technical specifications	
Frequency Range (MHZ)	2400-2500 5150-5850	Frequency Range (MHZ)	2400-2500 5150-5850
Impedance(Ω)	50 $\pm$ 10	Impedance(Ω)	50 $\pm$ 10
Gain (dBi)	2.4G:1.18 5G:1.05	Gain (dBi)	2.4G:1.18 5G:1.05
Re Turn Loss (dB)	2.4G: $\leq$ -13.9 5G: $\leq$ -9.5	Re Turn Loss (dB)	2.4G: $\leq$ -13.9 5G: $\leq$ -9.5
VSWR	2.4G:<1.5 5G:<2.0	VSWR	2.4G:<1.5 5G:<2.0
Polarization	Linear Vertical	Polarization	Linear Vertical
Radiation	Omni-directional	Radiation	Omni-directional
Connector Type	MHF Plug	Connector Type	MHF Plug
Physical Properties		Physical Properties	
Antenna Base	PC+ABS	Antenna Base	PC+ABS
Operating Temp	-20 $^{\circ}$ C~+60 $^{\circ}$ C	Operating Temp	-20 $^{\circ}$ C~+60 $^{\circ}$ C
Storage Temp	-20 $^{\circ}$ C~+70 $^{\circ}$ C	Storage Temp	-20 $^{\circ}$ C~+70 $^{\circ}$ C

REV	DATE	DESCRIPTION
A	2024-12-07	NEW ISSUE
B	2025-02-24	Change the color of the plastic
C	2025-05-09	Change the length of the line



Specification:
Frequency Range : 2.4~2.5GHz
5.15~5.85GHz
VSWR: 2.0max

5	Copper	1	Copper;
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4	Cable	1	φ1.13 Gray
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3	lower cover	1	PC+ABS;White
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2	PCB	1	FR-4
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1	lower cover	1	PC+ABS;White
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NO.	DESCRIPTION	QTY	REMARK
The tolerance dimension is the inspection dimension. The product complies with the environmental protection RoHS 2.0 requirements.			

A	B	C	D	E	F	G
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RFlink

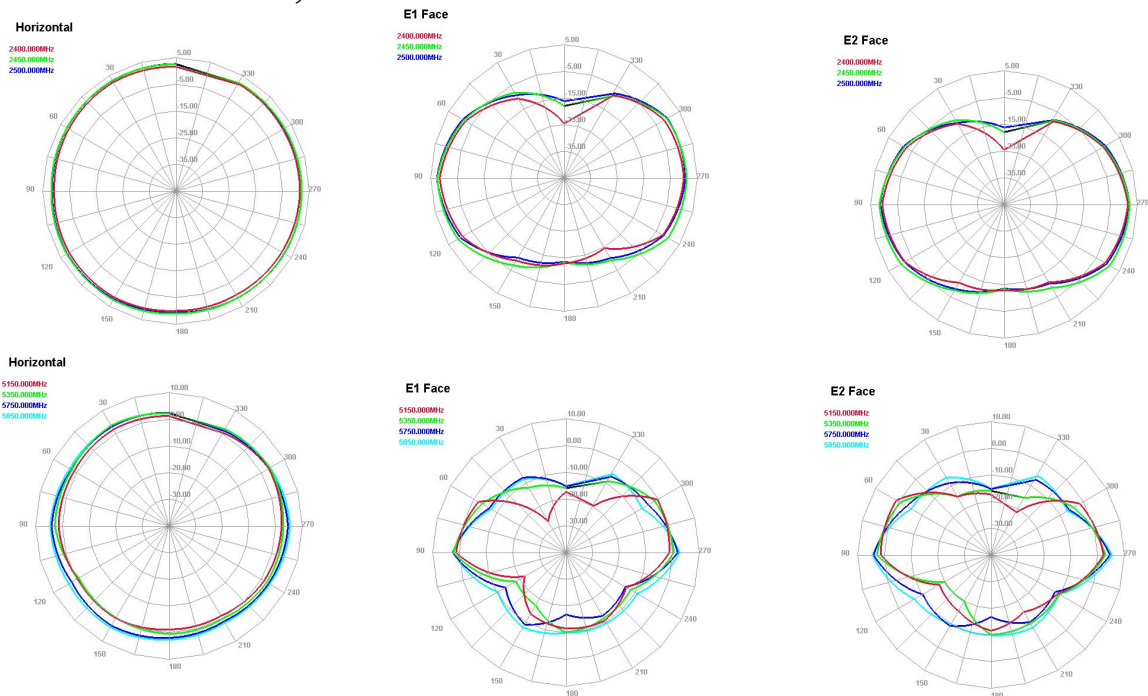
RenFeng Electronic technology
Co., LTD.

Testing report

Network Analyzer Test Report



Darkroom 2D, 3D Radiation Pattern





Frequency/ MHz	Efficiency / %	MaxGain/d Bi
2400	71.78	0.88
2410	71.78	1.18
2420	72.78	0.63
2430	72.78	0.84
2440	74.13	1.04
2450	74.13	1.05
2460	72.61	1.05
2470	73.62	1.09
2480	73.96	0.85
2490	73.96	1.03
2500	71.29	0.76

Frequency/ MHz	Efficiency / %	MaxGain/d Bi
5150	71.61	1.02
5200	72.28	0.91
5250	70.15	1.05
5300	70.02	1.04
5350	76.21	0.85
5400	71.61	0.76
5450	70.96	0.67
5500	70.31	0.72
5550	70.99	0.74
5600	71.3	0.73
5650	72.53	0.75
5700	72.61	1.02
5750	71.76	1.04
5800	70.61	0.84
5850	71.76	0.92