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SPECIFICATION FOR APPROVAL

CUSTOMER:

CUSTOMER PARTNO:

SUPPLIER: Shenzhen Feasycom Co., Ltd

PRODUCT MODEL: FYT-01-7

PRODUCT NAME: FYT-01-7 WIFI2.4G Antenna M01-0601360R0A

PRODUCT CODE: F12E00008A5

CUSTOMER SIGNATURE :

CUSTOMER SEAL:

SUPPLIER SIGNATURE:

SUPPLIER SEAL:

NOTE: PLEASE RETURN THIS COPY AS A CERTIFICATION OF YOUR APPROVAL

Prepared by:
Dong Chunling

Date :
2023.08.19

Add :

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518100, China.

Tel :

86-755-27924639

[illegible]

PERFORMANCE PARAMETER

1. Electrical Characteristics

1	Frequency Range	2400 - 2500MHz
2	VSWR	≤ 3
3	Maximum Gain	2.63 dBi
4	Maximum efficiency	42.01%
5	Impedance	50 Ω
6	Polarization	Linear polarization
7	Interface type	First generation terminal

2. Mechanical parameters

1	Measure	FPC: 50.85 * 8.5 mm/ Cable: 100.0 mm* Φ 1.13 mm
2	Color	Black

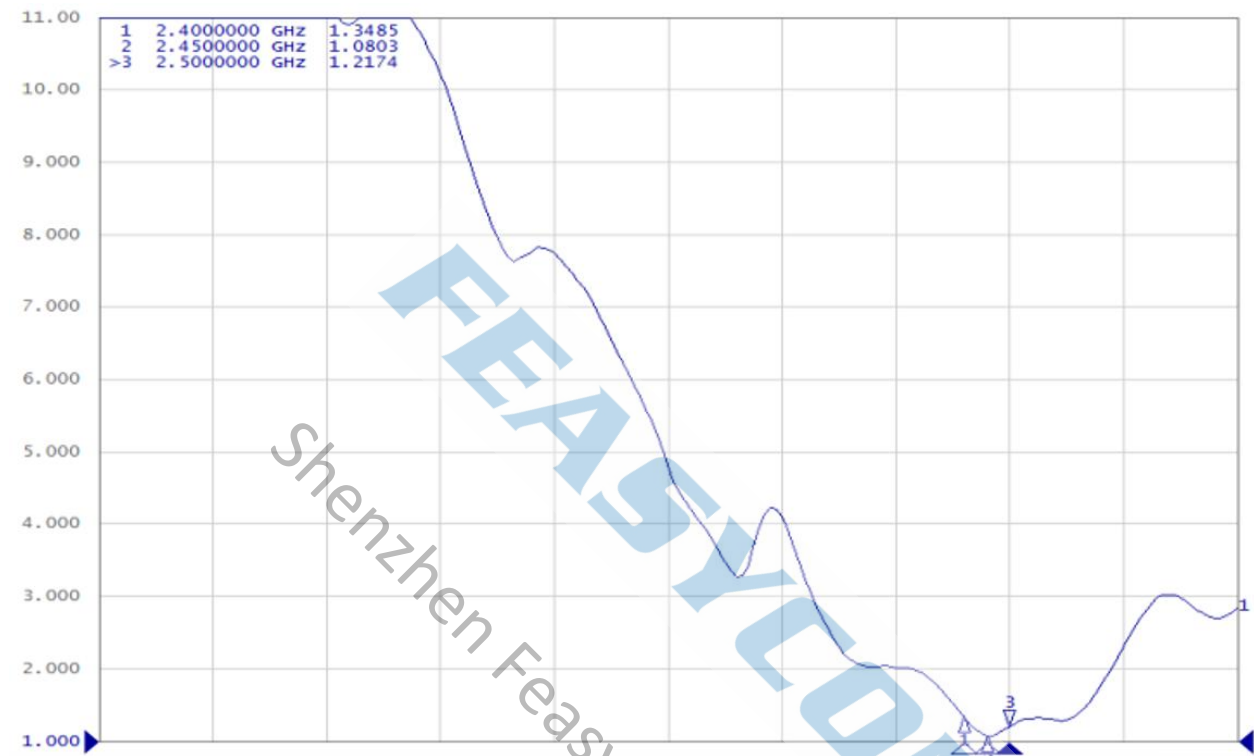
3. Environment Condition

1	Working Temperature	-30 °C ~ 80 °C
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Testing CURVE

1. Performance test

1.1 VSWR



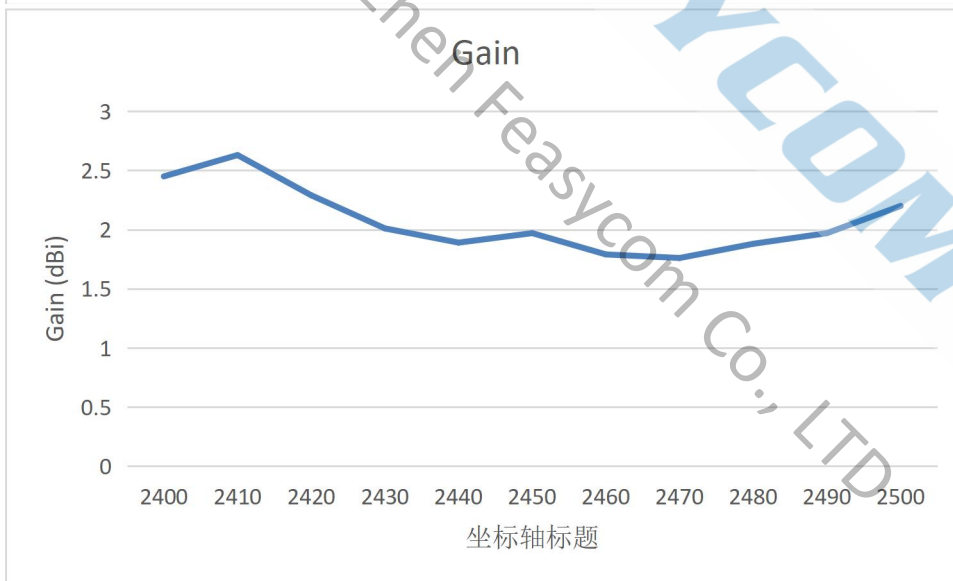
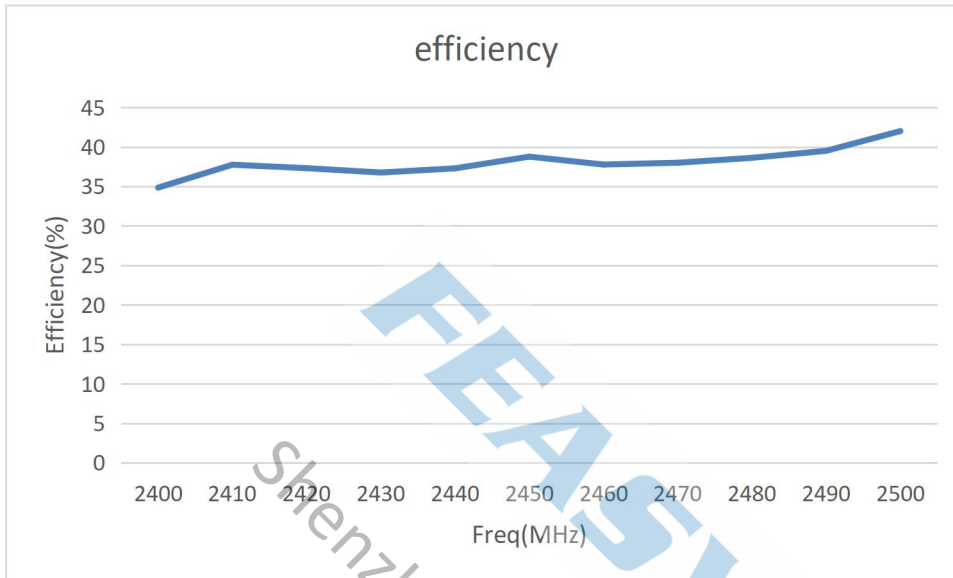
Data list

F req	2.4	2.45	2.5
V SWR	1.35	1.08	1.22

Testing CURVE

2. Passive testing

2.1 Efficiency and Gain



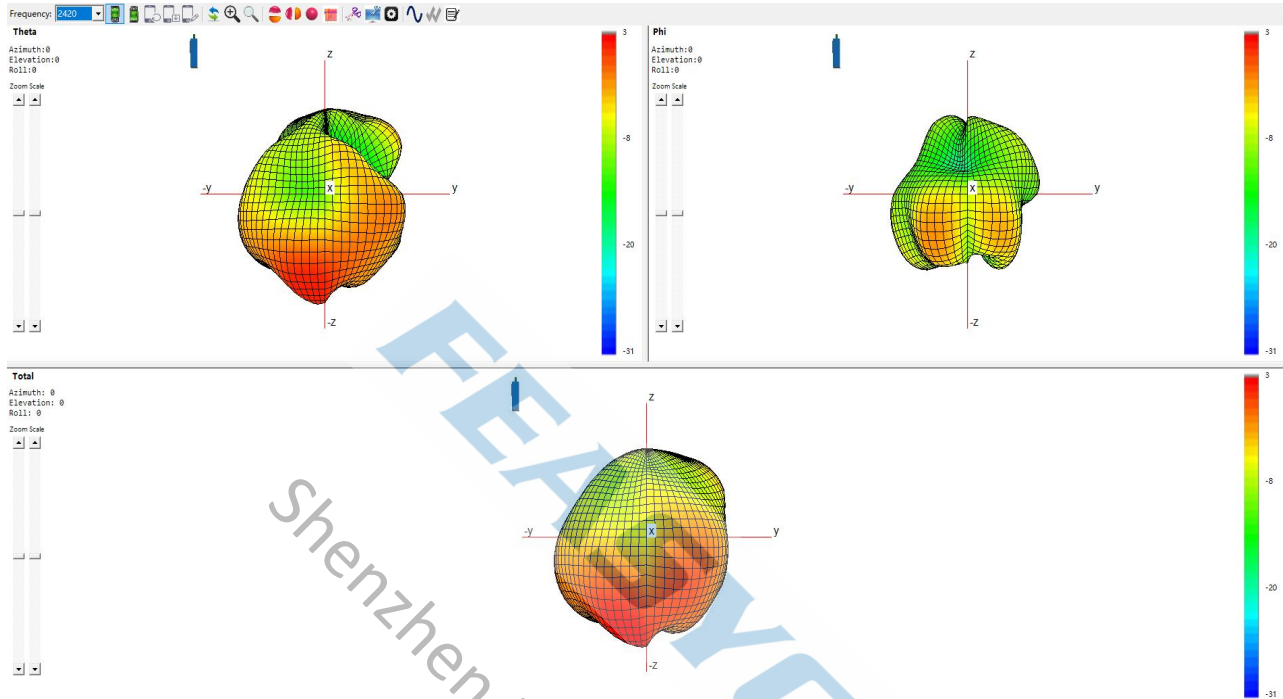
Testing CURVE

Efficiency and Gain Data list

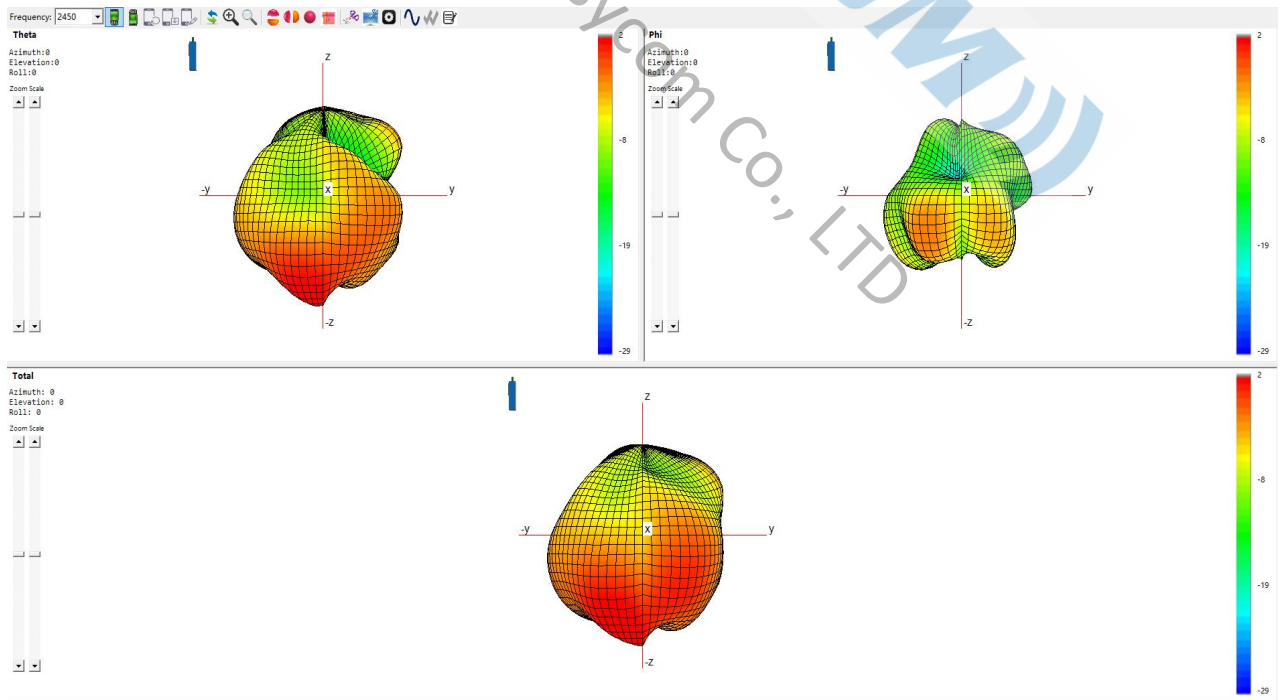
Freq(MHz)	Efficiency(%)	Gain (dBi)
2400	34.85	2.45
2410	37.75	2.63
2420	37.31	2.29
2430	36.76	2.01
2440	37.29	1.89
2450	38.77	1.97
2460	37.77	1.79
2470	38	1.76
2480	38.62	1.88
2490	39.51	1.97
2500	42.01	2.2

Testing CURVE

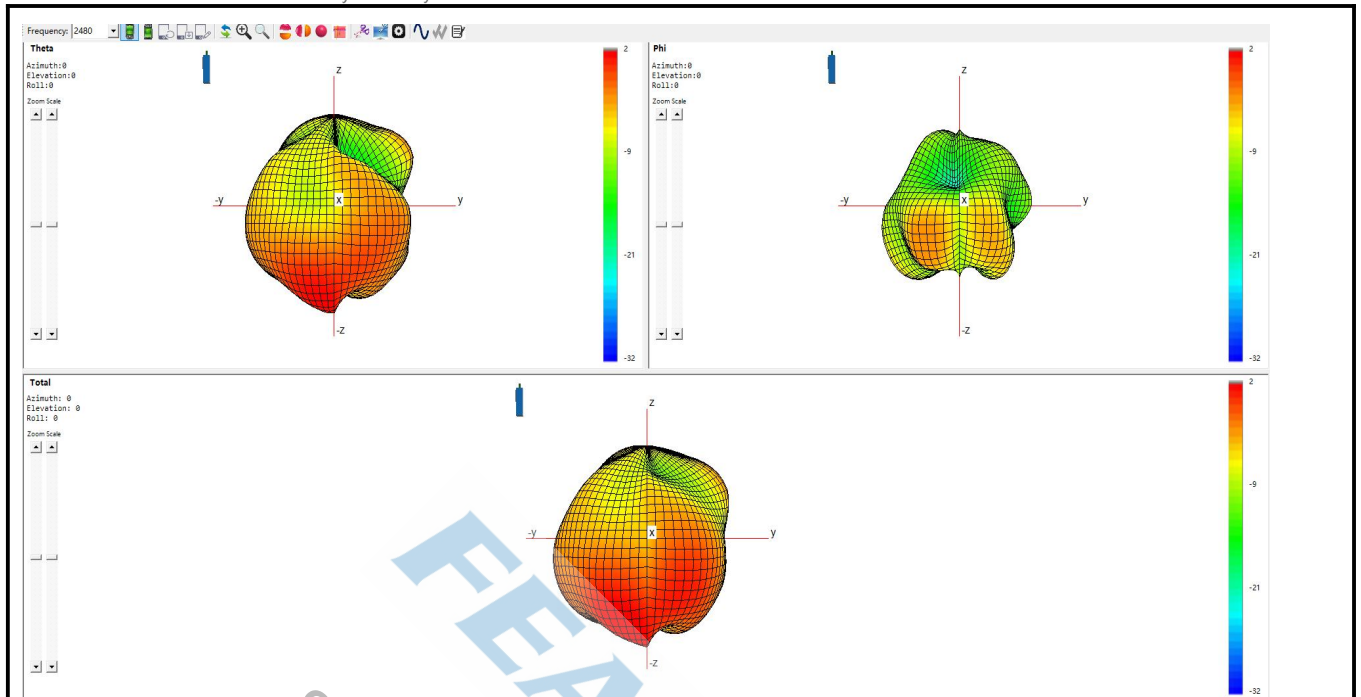
2.2 3D Map



2420 MHz Gain = 2.29dBi

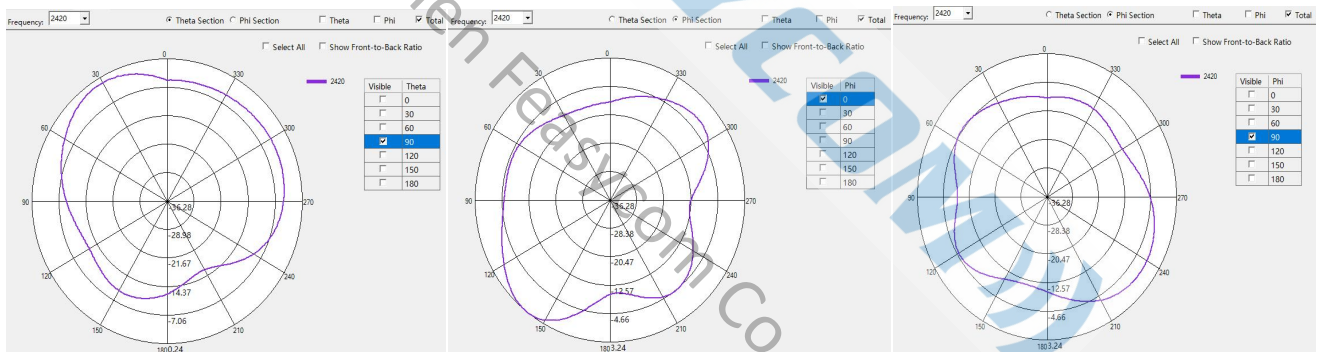


2450 MHz Gain = 1.97dBi

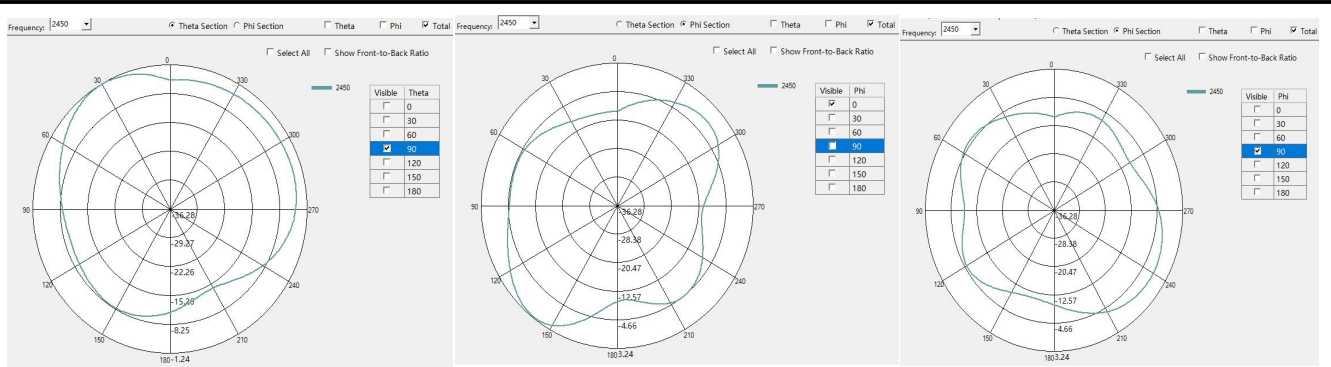


2480 MHz Gain = 1.88dBi

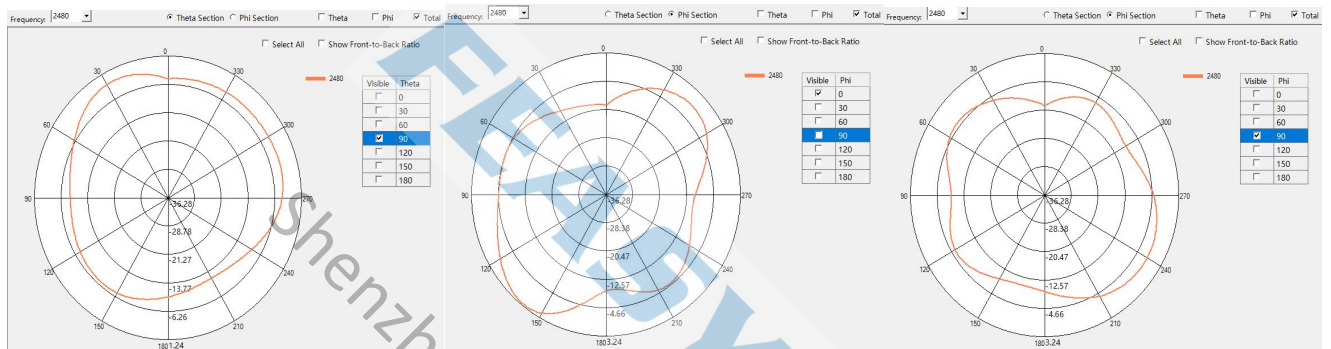
2D Figure



2420 MHz Gain = 2.29dBi



2450 MHz Gain = 1.97dBi



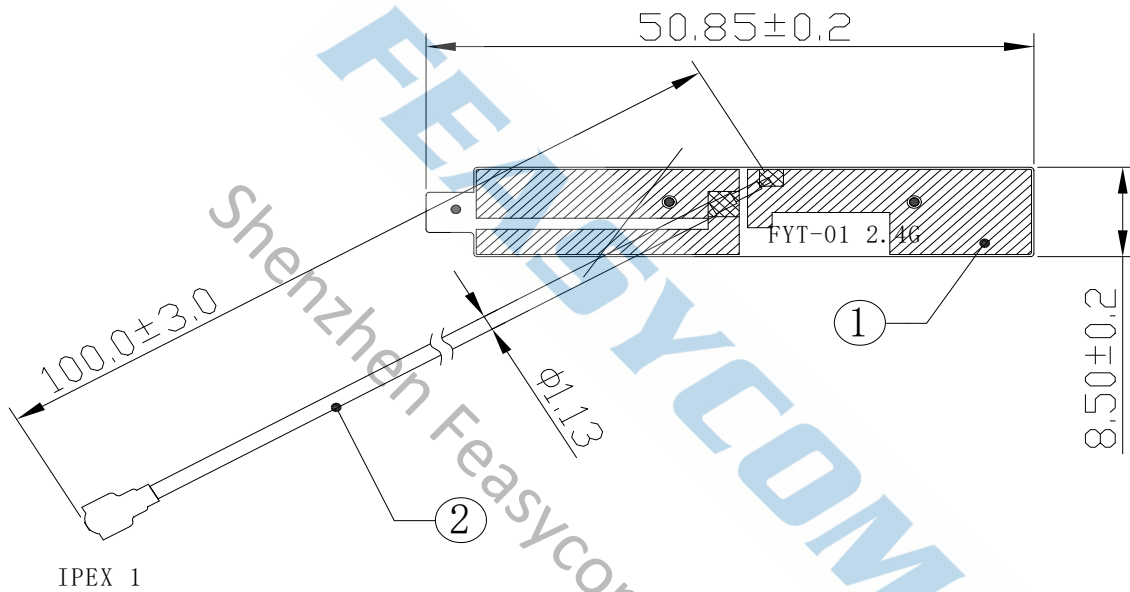
2480 MHz Gain = 1.88dBi

3. Active testing (None)

SCHWDULE DRAWING



No.	Name	Material	Color	Treatment	Amount	Remark
1	FPC		BLACK		1	
2	Coaxial Cable		BLACK		1	

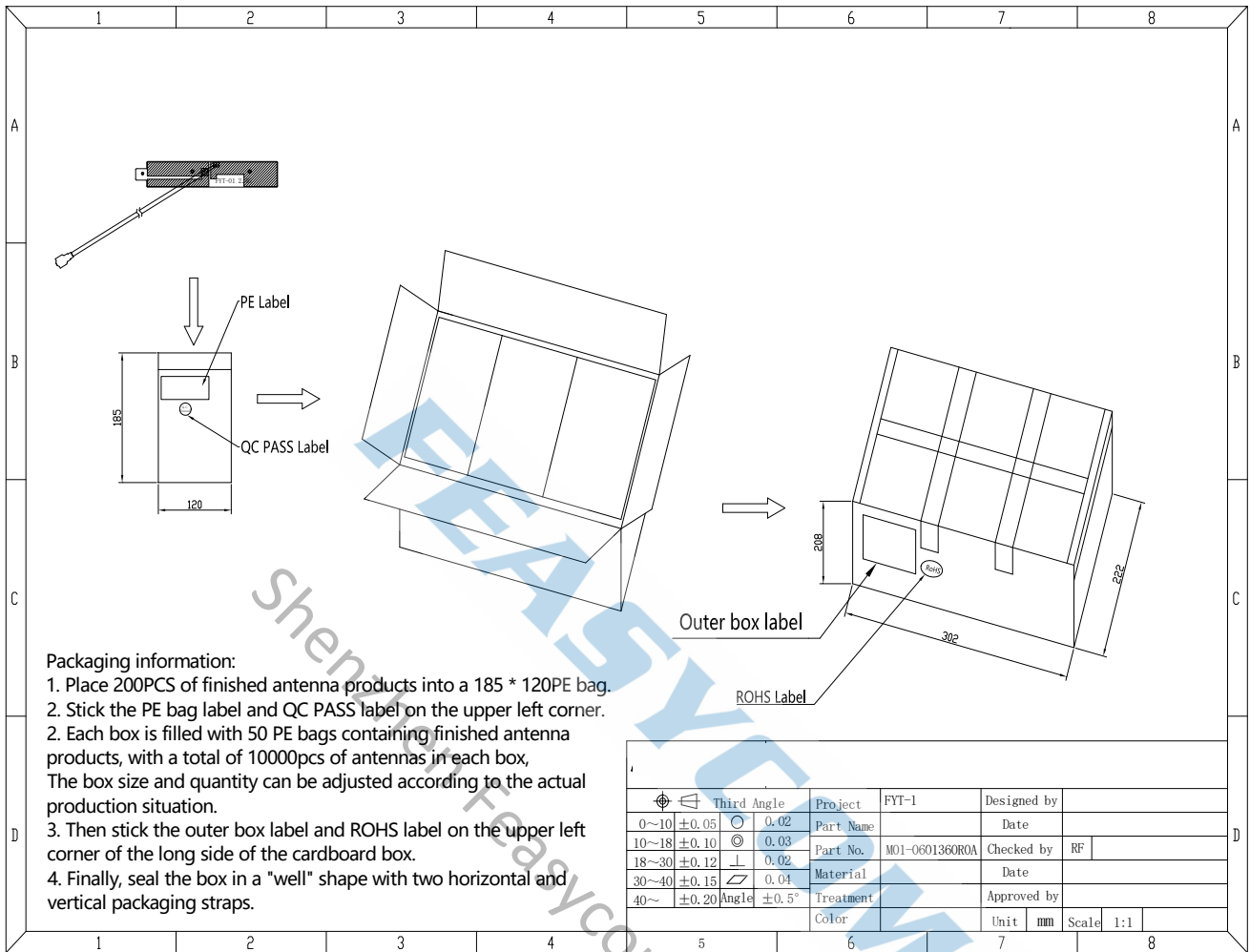


REMARKS:

1. ALL MATERIALS ARE RoHS COMPLIANT.

A0	New drawing	20230411	Remark	Third Angle	Project	FYT-01-7	Designed by
				0~10 ±0.10	Part Name	2.4G Antenna	Date
				10~18 ±0.15	Part No.	M01-0601360ROA	Checked by RF
				18~30 ±0.20	Material		Date
				30~40 ±0.25	DWG No.		Approved by
Rev	Description	Date	Remark	40~ ±0.30 Angle			
				Location	Unit	mm	Scale 1:1

Packing DIAGRAM



ANTENNA PHYSICAL DIAGRAM



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Shenzhen Feasycom Co., LTD

Certificate of Acceptance Sample Size Inspection Report

Project name	FYT-01-7	Antenna type	FPC Antenna	Test date	2023-08-19			
Check List								
Module	Test Item	Test criteria	Result					Remark
			1	2	3	4	5	
	Cable	No scratches, cracks, connector terminals should be free of rust, looseness, deformation, port direction, etc. The connector terminals should be free of rust, looseness, deformation, port direction, etc.						
	FPC Color	The color is consistent with the specification, no color difference						
Performance Testing	VSWR	≤ 3						
Dimensions		50.85 ±0.2						
		10 0.0±3						
		8.5 ±0.2						
Remark								
Approved by: Yang Yongcheng		Reviewer: Chen Jianyou			Inspector: Dong Chunling			

QC Engineering Drawing			File No.	MA-QCW-2 308 - 31		File name	FYT-01-7 Antenna			Prepared by	Li Ling
			Version	A						Reviewer	Xu Maoyuan
			Release date	2023. 08. 19		Effective date	2023. 08. 19	Page number	1/1	Approval	Xu Maoyuan
Serial No.	Process	Process Name	Process Parameters/Quality Characteristics	Use Equipment Fixture	Testing Equipment	Inspection Method	Check Frequency	Usage Record	Responsible	Related Documents	
1		Incoming inspection	Inspection standards/drawings	Caliper		Visual	AQL Sampling	IQC Inspection Report	IQC		
2		Material Kitting	Production order	/	/	/	/	Pick List	Warehouse keeper		
3		Unboxing & Qty Check	Delivery Note	/	/	/	/	Delivery Note	Operator		
4		Coax Soldering	Technical Documents/ Drawings/BOM	/	Manual	Visual	Full inspection	Production daily report	Operator		
5		First Article Visual Inspection	Sealed sample	/	Visual	Visual	/	IPQC first article inspection	IPQC		

								record		
6		First Article Performance Testing	The product meets the requirements of the design specification	/	Network Analyzer	test Visual	/	IPQC first piece inspection record	IPQC	
7		Inspection	IPQC process inspection regulations	/	Visual	Visual	2H	IPQC process inspection records	IPQC	
8		Appearance inspection	Technical documents / drawings / appearance criteria		Visual	Visual	Full inspection	Production daily report	Inspector	
9		Test	Technical documents / drawings	/	Network Analyzer	test Visual	Full inspection	Production daily report	Operator	
10		Packaging (bagging) quantity check	Drawings /BOM	/	/	Visual	Full inspection	Production daily report	Operator	
11		Inspection	IPQC Procedures	/	Visual	Visual	2H	IPQC process inspection records	IPQC	
12		Stock In	Production Order	/	/	/	/	Product Inventory Order	Warehouse keeper	
13		Pre-shipment Inspection	Shipping Notice	Network Analyzer		Measurement	AQL Sampling	/	OQC	

Note: ☐ Indicates operation and processing; ◇ Indicates confirmation, inspection, judgment and approval;
☐ Indicates storage; ↓ Indicates transport

Mark	Modifications	Version	Date	Editor	Approval
		A	202 3. 08. 19	Li Ling	Xu Maoyuan

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ROHS TEST REPORT

Project material name	Material coding	Report test sample name	Testing facility	Detection time	Test report number	Test Conclusion	Remark
FYT-01-7 Antenna	M01-0601360R0A	FPC (substrate)	SGS	2023/2/15	SHAEC23001049106	O K	
		FPC (ink)	SGS	2022/8/5	ETR2 2705905	O K	
		FPC (adhesive backing)	SGS	2023/1/4	SHAEC2217569205	O K	
		Coaxial cable (tinned copper)	CTI	2023/4/13	A2230155596101005E	O K	
		Coaxial cable (FEP)	SGS	2022/12/04	CANEC2225444702	O K	
Prepared by: Dong Chunling		Reviewer: Chen Jianyou		Date: 2 02 3 . 08 . 19		Stamping place:	

PRODUCT VERIFICATION

Test items	Test Description/Test Standard	Target Requirements	Product Verification (PV)							Remark
			Sample		Test Location			Test	Responsible	
			Quantity	Type	Client	Supplier	Third Party	Result		
Appearance inspection	The surface should not have defects such as dents, scratches, cracks, deformation, burrs, mildew spots, etc.; the surface coating should not bubble, crack, or fall off; the metal parts should not have rust or other mechanical damage; the injection material should not overflow.	Normal appearance	Full inspection	Tooling parts		√		OK		
Size	According to drawing size	Within the size tolerance	3 pcs	Tooling parts		√		OK		
Performance check	The product meets the requirements of the design specification	Short circuit and continuity test	Full inspection	Tooling parts		√		OK		
Salt spray resistant	48 hours salt spray test	The surface is not rusted after cycle verification	3pcs	/		√		OK		

Requirements for banned and restricted substances	Tested according to RoHs requirements	Products should comply with RoHs standards	/	/		√		OK		
Packaging rules	Place according to the drawing specifications	Visual inspection and placement as required	Full inspection	Tooling parts			√	OK		

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BOM DETAILS

Serial number	Part No	Product Name	Version	Specification Description	Color	Unit	Dosage
1	F01-0101210R0A	FPC	V1.1	Black/FPC one-and-a-half material/back adhesive 3M300LSE/OSP/50.85*8.5mm/RoHs	Black	P C S	1
2	X01-0206250R0A	Coaxial Cable	V1.0	Black/Double tin coaxial cable/One end stripped wire (2.0/2.5/1.0)/One end IPEX 1 /1.13*100.0mm/RoHs	Black	P C S	1
3							
4							
5							
6							
7							