



规格承认书

Specification for Approval

客户名称: YNOT Co., Ltd (Solu-m)

Customer:

规格描述: 2.4/5.8G PCB Antenna with IPEX, RF1.13 Gray Cable, L=212mm

Part name

飞宇信料号: 3.03.1001003947 (reserved)

Part No.

客户料号:

Customer Part No.

客户承认印 Customer Approval		
APPROVAL	CHIEF	SUPERVISOR

制造厂商承认 Manufacturer Recognition			
SALES	CHECK	CHIEF	DESIGN
<i>Elly</i>	<i>Mr. Li</i>	<i>Jerry</i>	<i>Ms. Zheng</i>
Date:2023-10-20		Date:2023-10-20	
THANKS FOR OFFERING US THE OPPORTUNITY TO SEND SAMPLES FOR APPROVEMENT. PLS KINDLY SIGN BACK THIS DOCUMENT TO US WHEN SAMPLES ARE APPROVED.			

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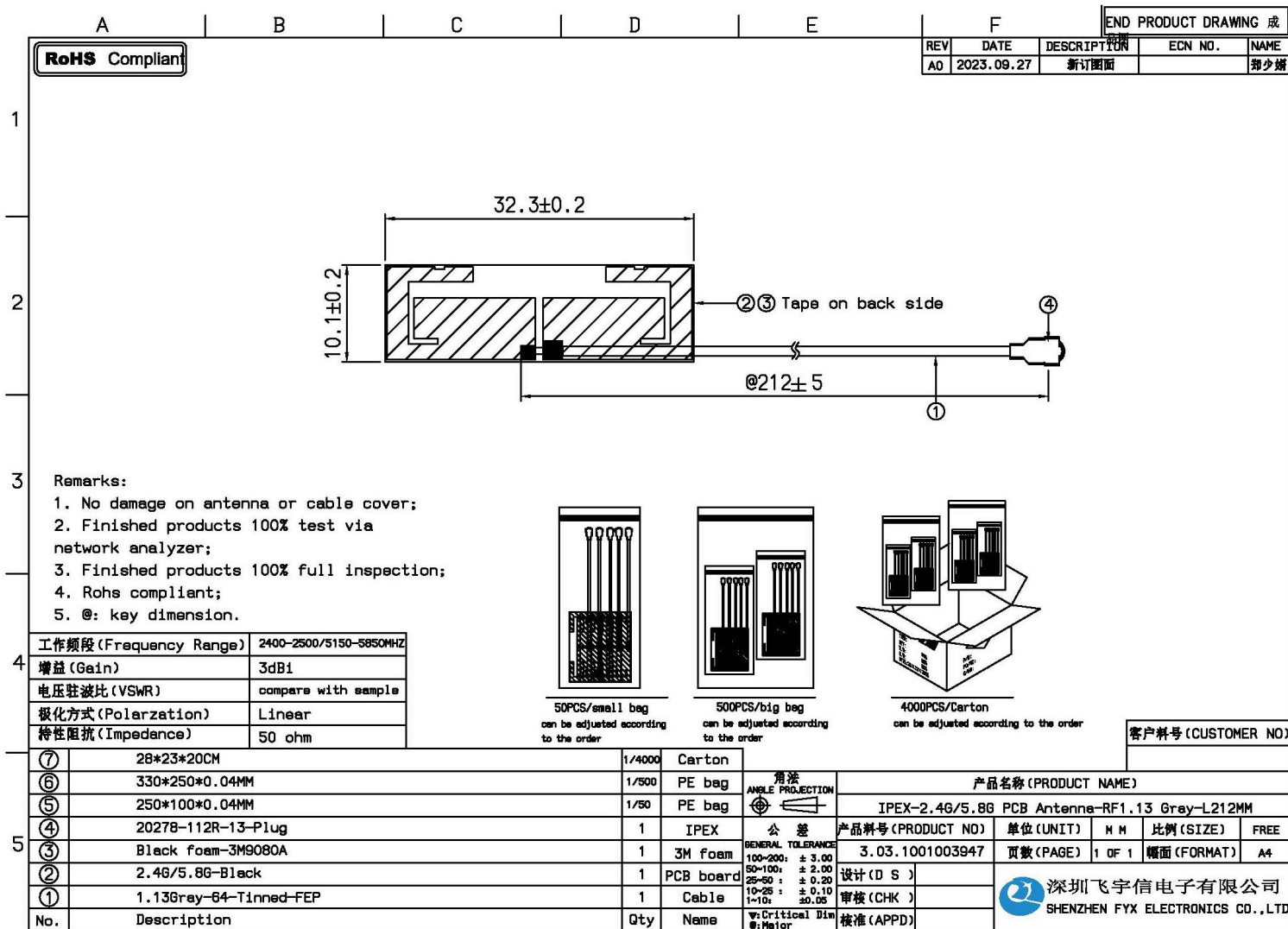
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Modification Record

Revision	Date	Engineer	Modified Content
01	2023.10.20	Ms. Zheng	NEW

Antenna Drawing



表单编号: FYX/E-QR-14A 版本: 第三版

Product Specifications

1. Antenna Specs

Product Name: 2.4/5.8G PCB Antenna with RF1.13 Gray Cable	
DESCRIPTION	VALUE
Frequency range	2400-2500/5150~5850MHz
Impedance	50Ω
V.S.W.R	Compare with sample
Gain	3dBi
Radiation	Omni-directional
Radiating element	1/4 Wave Helical
Polarization	linear Vertical
Admitted power	5W
Connector	IPEX/U.FL
Cable type	RF1.13
Operating temp	-40°C~+70°C
Storage temp	-45°C~+75°C

2. Cable Specs

1.13 Structure





Item	Material	OD(mm)
1. Inner conductor	Tinned copper wire	7/0.08±0.02
2. Insulator	PE	0.66±0.02
3. Outer conductor	Tinned copper wire	0.88±0.05
4. Jacket	FEP	1.13±0.05

Electrical performance

Capacitance(pF/m)	96±3
Impedance(ohm)	50
Rate(%)	66
Bending radius (mm)	≤7
Maximum operating voltage (VMS)	1000
Maximum operating frequency (MHz)	6000
Operating temperature range (°C)	-40 TO +80

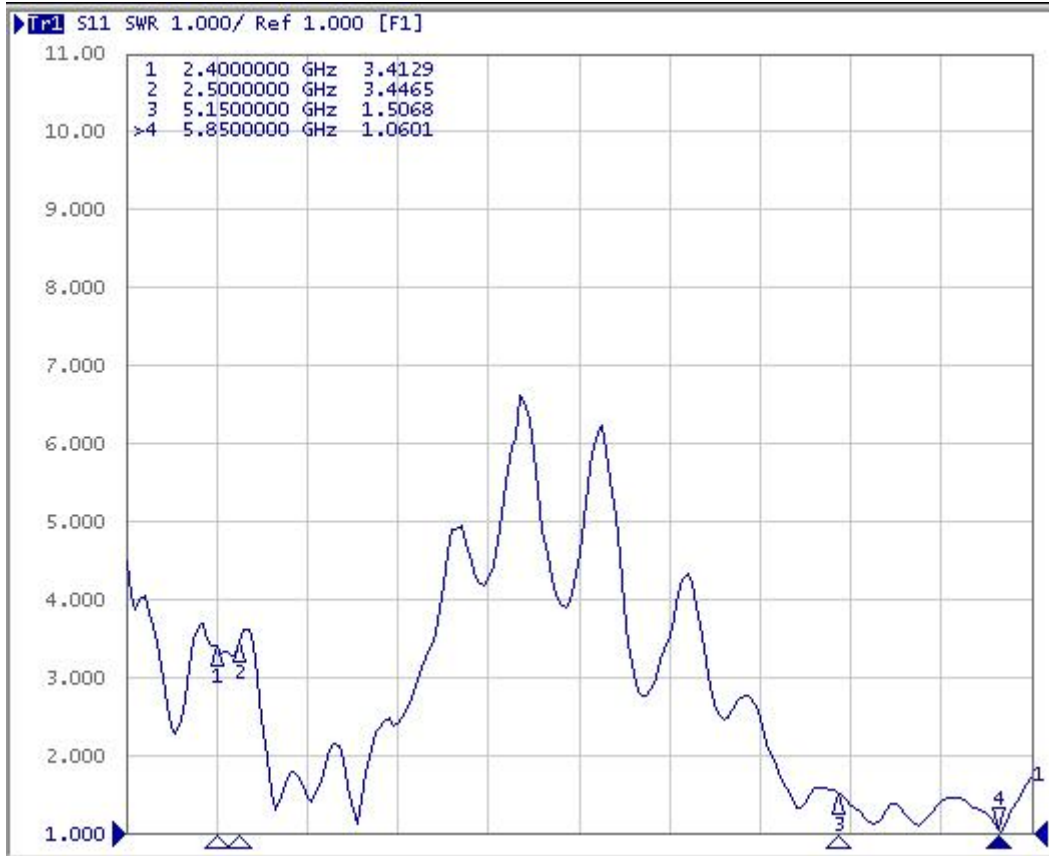
Attenuation (typical)

Frequency (MHz)	Attenuation (≧dB/m)
100	0.42
400	0.58
1000	2.20
2000	3.40
3000	4.20
4000	4.50
5000	5.20
6000	5.60

Test Report

(Empty test without customer's device)

1. VSWR Test



2. Efficiency and Gain Test

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)
2400	56.08	-2.51	3.59	1.44
2410	52.47	-2.8	3.08	0.93
2420	47.27	-3.25	2.37	0.22
2430	47.83	-3.2	2.57	0.42
2440	47.09	-3.27	2.35	0.2
2450	51.95	-2.84	2.72	0.57
2460	52.99	-2.76	2.96	0.81
2470	46.17	-3.36	2.16	0.01
2480	49.42	-3.06	2.86	0.71
2490	43.37	-3.63	1.79	-0.36
2500	44.11	-3.55	2.12	-0.03

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)
5150	75.15	-1.24	2.8	0.65
5220	56.1	-2.51	1.84	-0.31
5290	60.66	-2.17	1.52	-0.63
5360	76.42	-1.17	2.94	0.79
5430	94.7	-0.24	4.47	2.32
5500	81.71	-0.88	2.83	0.68
5570	83.32	-0.79	2.75	0.6
5640	63.53	-1.97	2.3	0.15
5710	72.77	-1.38	3.61	1.46
5780	72.95	-1.37	3.04	0.89
5850	54.23	-2.66	1.73	-0.42