

SPECIFICATION

Shenzhen Feixin Wireless Communication



Shenzhen Feixin Wireless Communications Co., Ltd.

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2.4G copper tube antenna (1.13 Black Wire – L200MM-1 Generation Terminal)

Product Specification Sheet

Client	XinHai	Frequency range	2400-2500MHz
Product name	2.4G copper tube antenna	Edition	A1
Customer Part Number		FeiCore Material Code	FX-2.4G-TG-1.13B-L200-1
Material Description	2.4G copper tube antenna; output cable: 1.13 mm black wire – L200 mm; first-generation terminal block		
RFdesign	Chen Liang	RF Manager	Jin Yong
Architectural design	Xie Kaijun	Structural Manager	Chen Xiaohua
Technical Director	Andy	Date	2024-09-06

Customer Confirmation:

Does the assembly comply with your company's requirements? ☐ OK ☐ NG

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Privacy Requirements

The Company possesses proprietary technical data; such proprietary data shall be kept strictly confidential and shall not be disclosed to any person or entity without the prior written consent of Shenzhen Feixin Wireless Communications Co., Ltd.

I. Product Images**II. Product Specifications**

Product Test Parameters			
Product Name (Name)	2.4G copper tube antenna	Product Model(Model Type)	FX-2. 4G-TG-1. 13B-L200-1
Electrical Specifications			
Frequency Range	2400-2500MHZ	Polarization	Perpendicular
Input impedance(Impedance)	50 Ω	Radiation direction	Omnidirectional
Standing Wave Ratio(VSWR)	≤3.0	Power Capacity (Power)	50W
Gain	2dBi	Bandwidth	100MHz
Mechanical Specifications			
Dimensions	200±2 mm	Housing Color (Radome Color)	Black
Connector Model (Connector)	IPEX Generation 1	Cable Length	200±2mm
Enclosure Material – Radome Material	Heat-shrinkable tubing		
Working temperature (Working Temperature)	-40°C-+85°C	Storage temperature (Limit Temperature)	-40°C-+85°C

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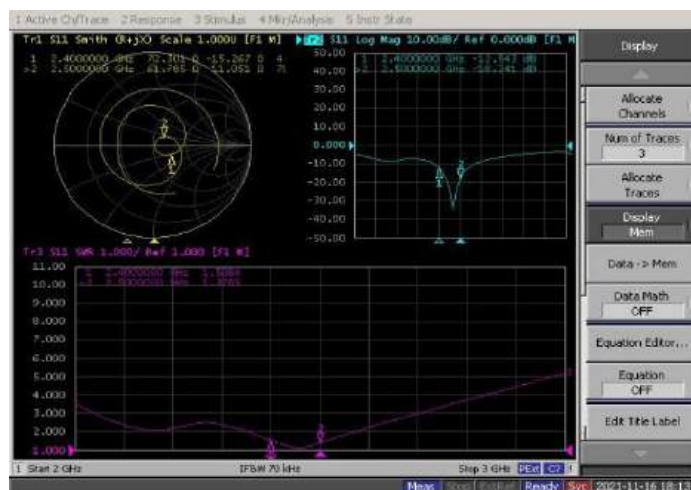
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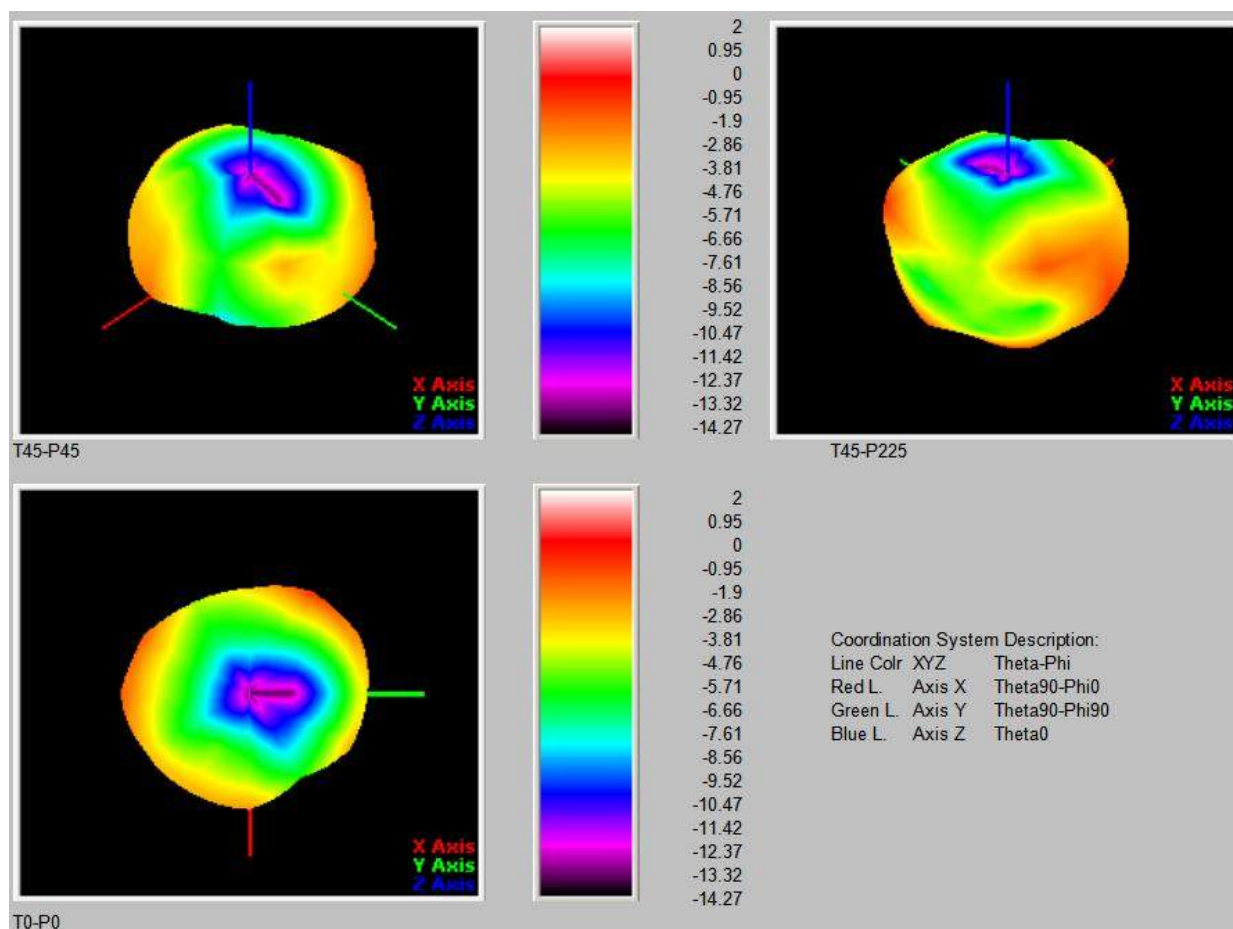
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III. S11(VSWR, Return Loss, Smith Chart)Data



Test Point ID	Freq. (MHz)	Gain (dBi)	Efficiency (%)
1	2400	1.73	46.20%
2	2410	1.67	36.30%
3	2420	1.83	40.70%
4	2430	1.53	37.50%
5	2440	2	40.50%
6	2450	1.56	40.70%
7	2460	1.49	40.30%
8	2470	1.21	42.10%
9	2480	0.48	37.00%
10	2490	0.45	41.00%
11	2500	0.37	40.70%



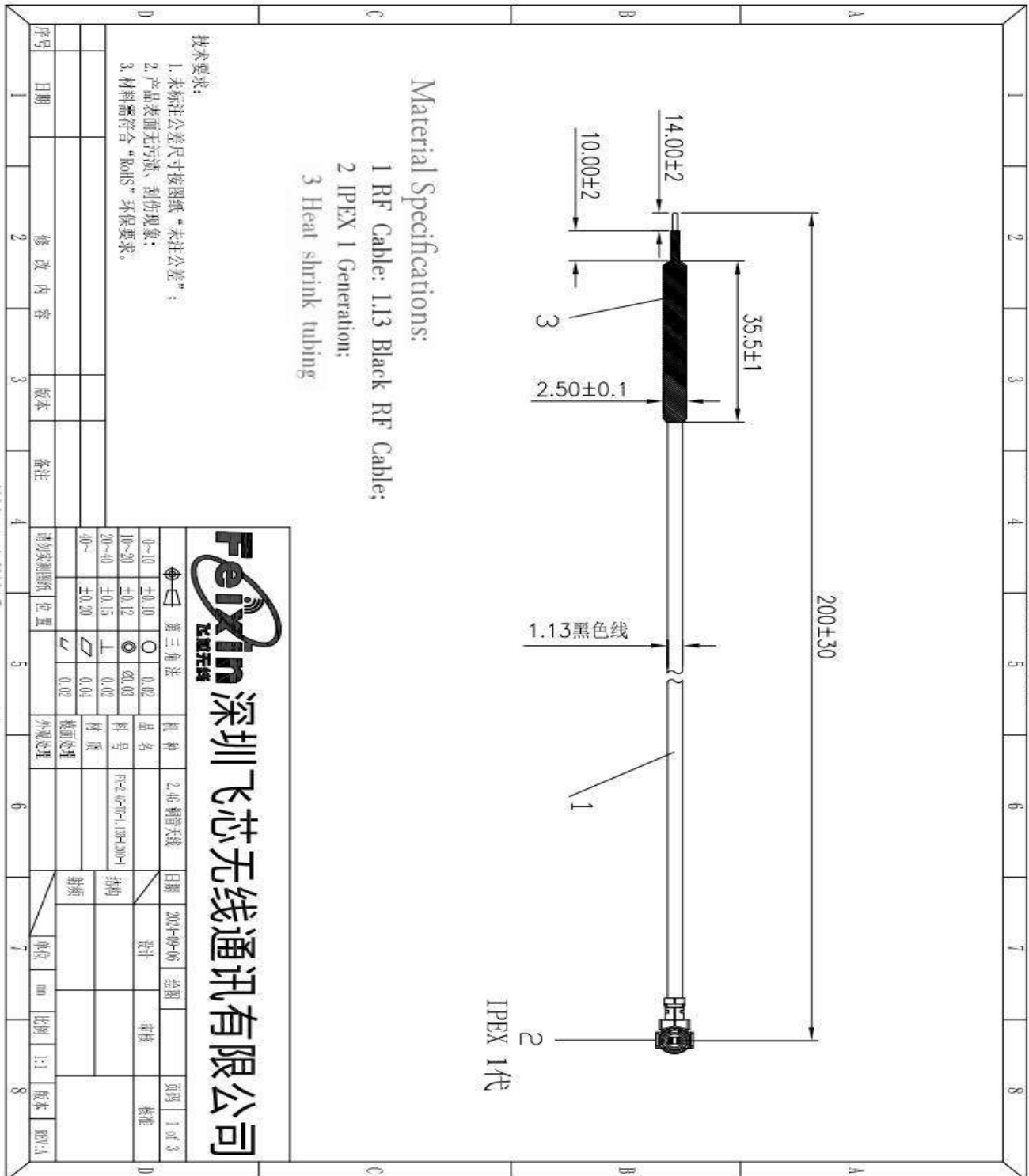
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V. Structural Drawings



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