

Shenzhen Xiangboyi Technology Co. Ltd

Antenna Specification

Customer	Riding skills
Project	
Project NO	XBY230125-WIFI

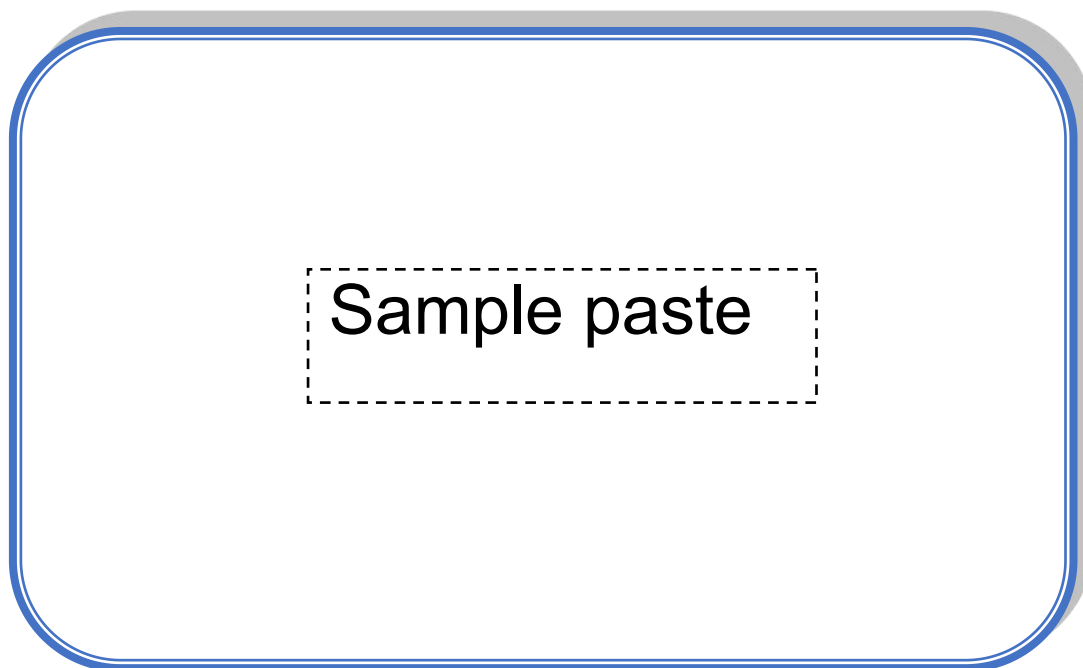
Shenzhen Xiangboyi Technology Co. Ltd

Date: 2023/8/12

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R & D Center: 101, floor 1, Wencheng building, Yousong Cultural Innovation Park, No. 95, Yousong Road, Longhua District, Shenzhen.

Production Base: 5 / F, building B, Huazhi chuangu, No. 7, Yuhua street, 138 Industrial Zone, Tangxia Town, Dongguan City.



Customer confirmation			
Engineer	PM	Quality	Approval

Supplier confirmation			
ME	RF	Examine	Approval

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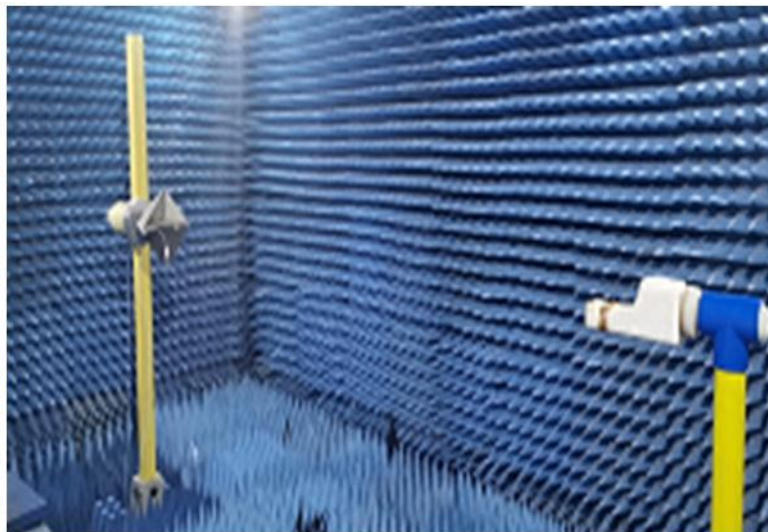
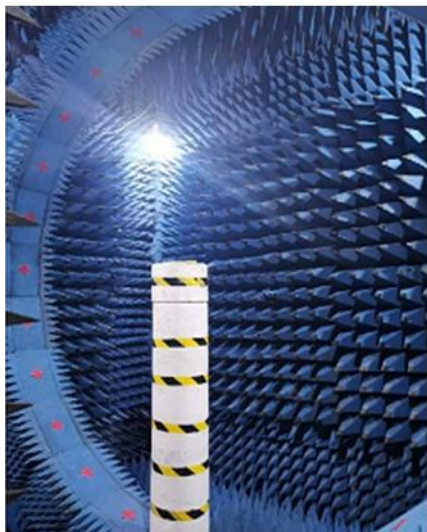
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1 Test System and Equipment

	Test items	equipment
1: S parameter	1. Return loss 2. VSWR	Network analyzer: A338/A333/HP8753D
2: Active test		Comprehensive test instrument: Agilent 8960/ CMW500
3: Radiation mode and gain	1. Radiation mode 2. Gain	1. Shielding room: 7x4x3 m (ETS-3D) 2. Network analyzer: HP 8753D



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2 Product Description

Technical requirements	Technical index	Remarks
Band	WIFI	
Range Of Frequency	5180-5240Mhz	
VSWR	<2.0	Center Frequency
Impedance	50 Ω	
Polarization	Linear polarization	
operating temperature	-32°C / +55°C	
storage temperature	-55°C / +85°C	
Salt Fog	24h(24h alternating wet & dry)	
RoHS Compliant	yes	

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3 Device Description

The whole machine photo



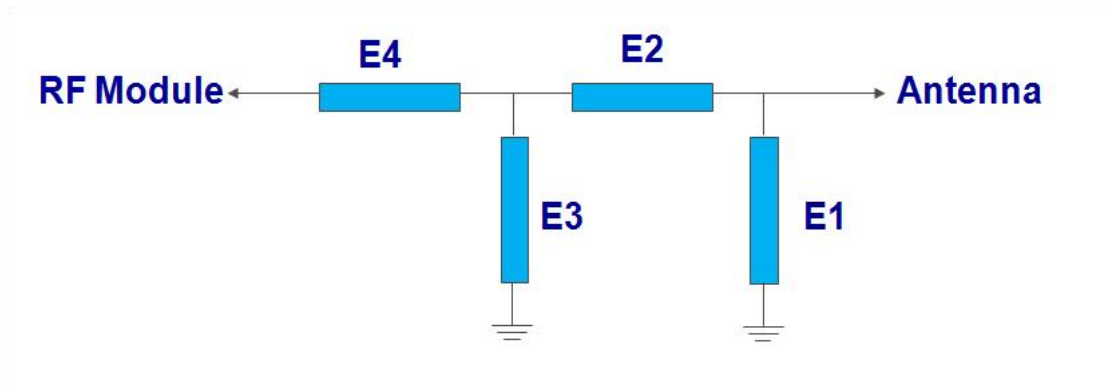
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4 Matching Circuits



Element	Value	Vender
E1(0402)	NA	
E2(0402)	0Ω	
E3(0402)	NA	
E4(0402)	0Ω	

Original match unchanged.

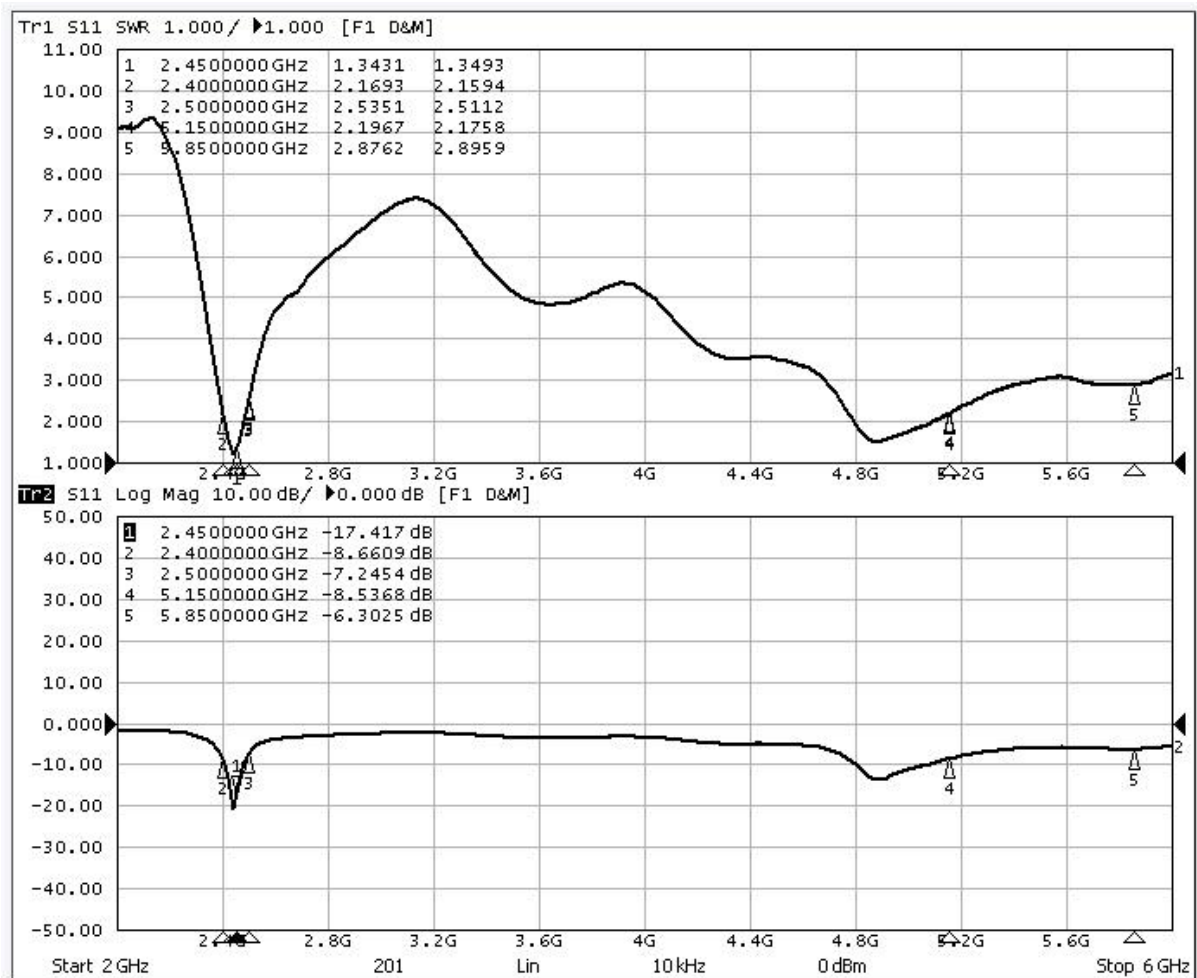
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5 Passive Test Data



WIFI天线效率，增益		
Freq (MHz)	Effi (%)	Gain (dBi)
5180	41.84	1.18
5240	41.44	1.48

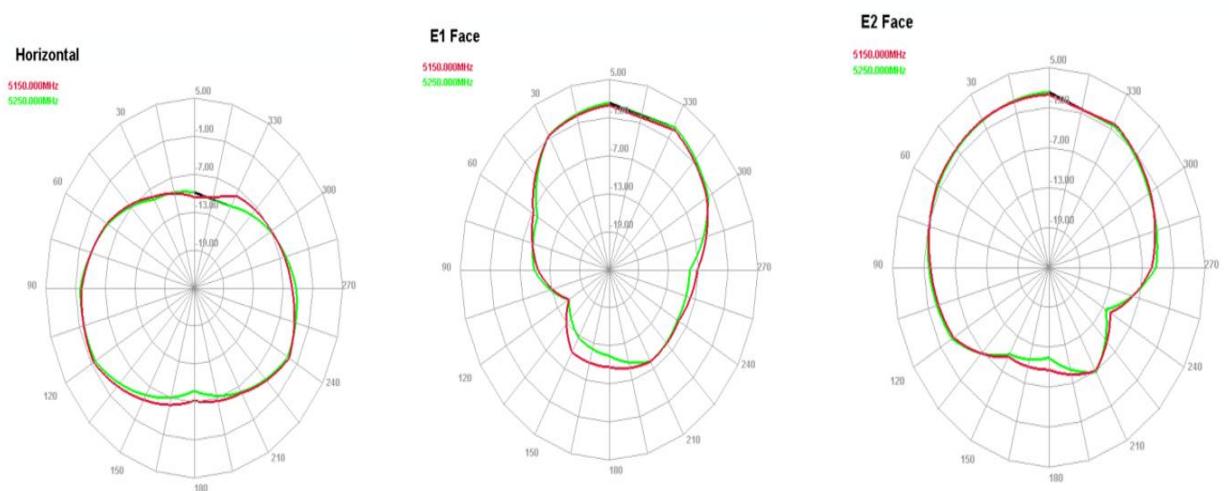
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Radiationpattern



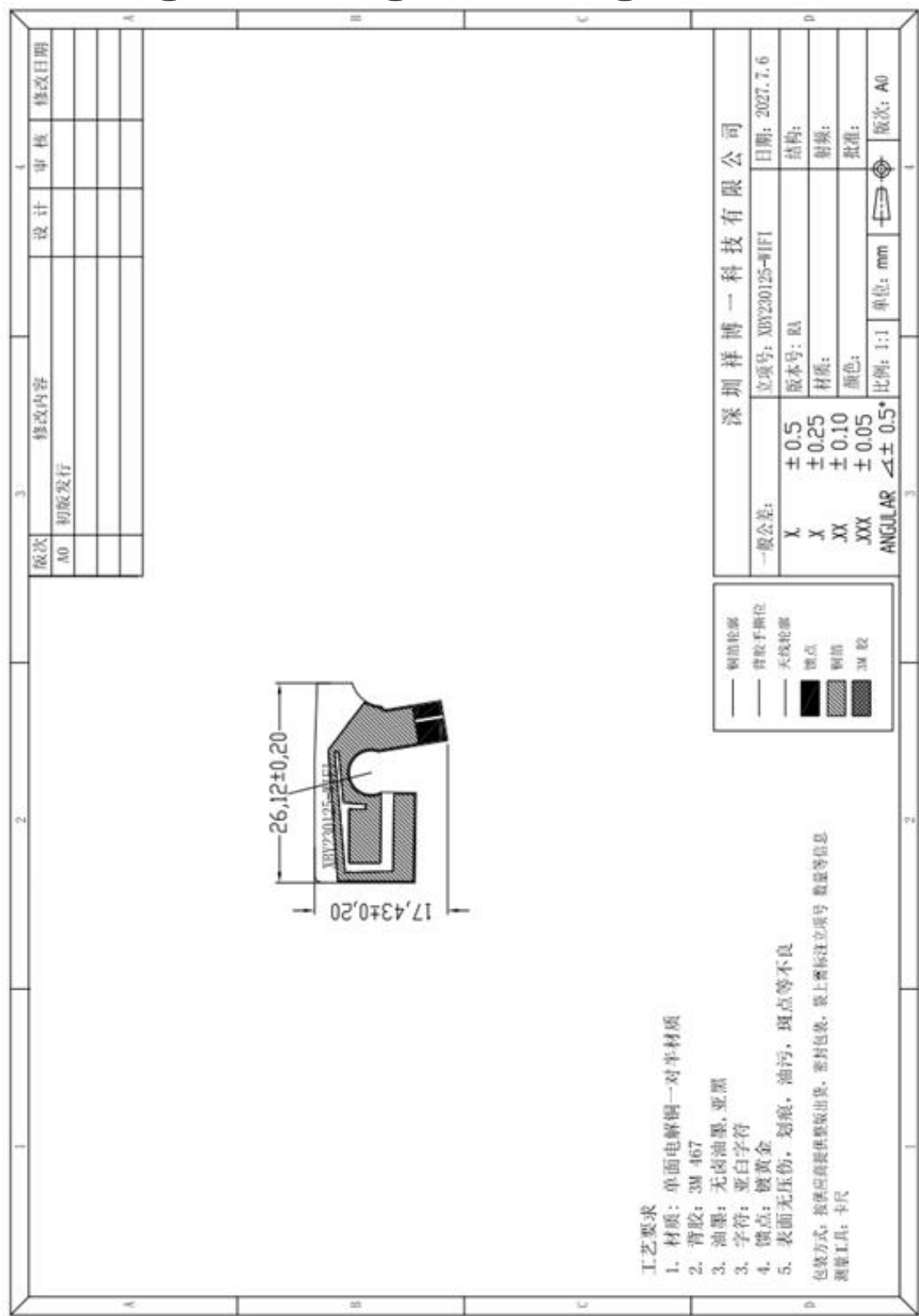
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6 EngineeringDrawing



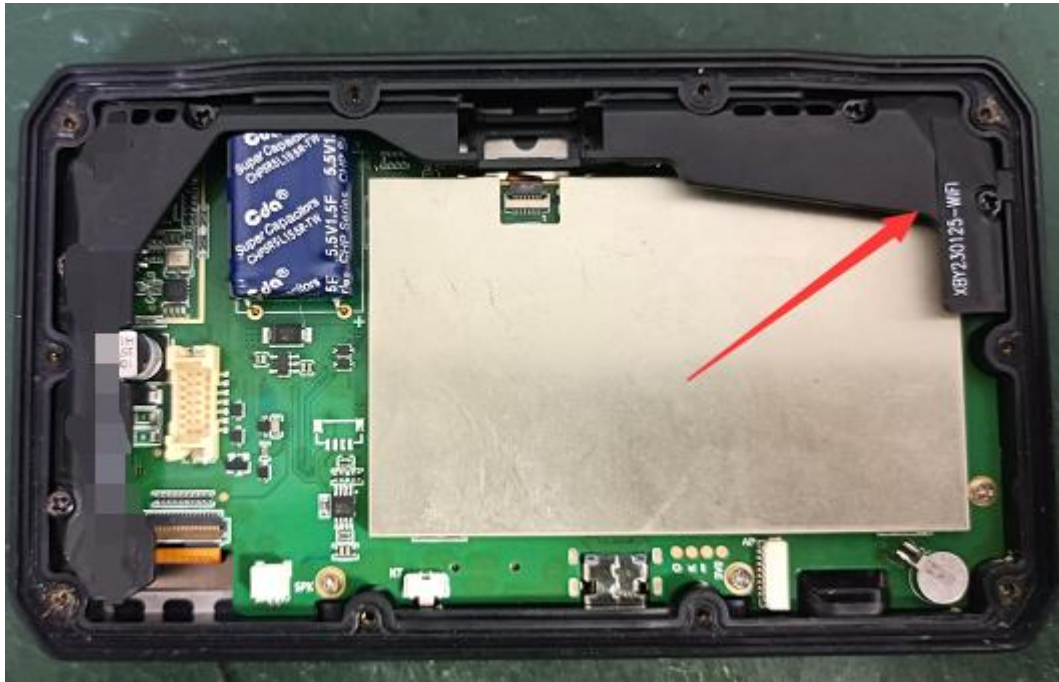
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7. Physical Assembly Picture



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