

Shenzhen Kailianda Electronics Co., Ltd.

Address: 3rd Floor, Building D, No.62 Puxia Road, Liuyue, Henggang,
Shenzhen (Zhi Chuang Green Valley)

An acknowledgement of specifications

Client Name	QiGi
Item Name/Material Number	
Supplier's material number	XBY250125

Date: 5 July 2025



Customer Confirmation			
an engineering project	sports event	quality	approvals

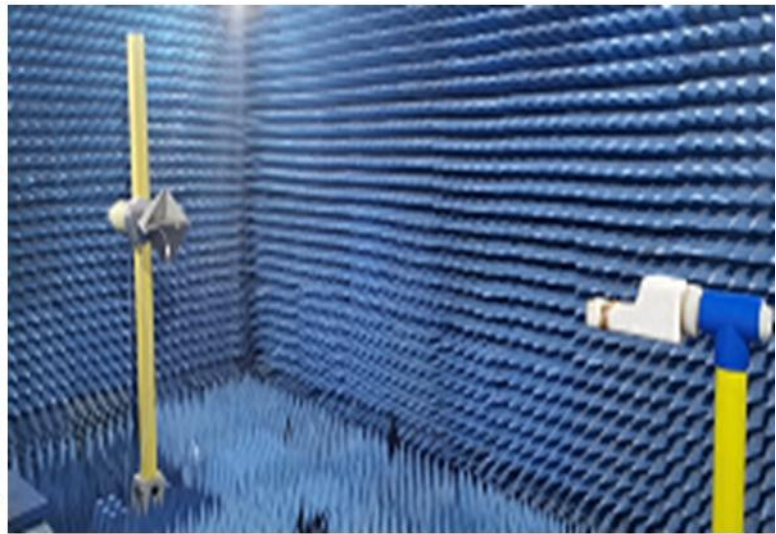
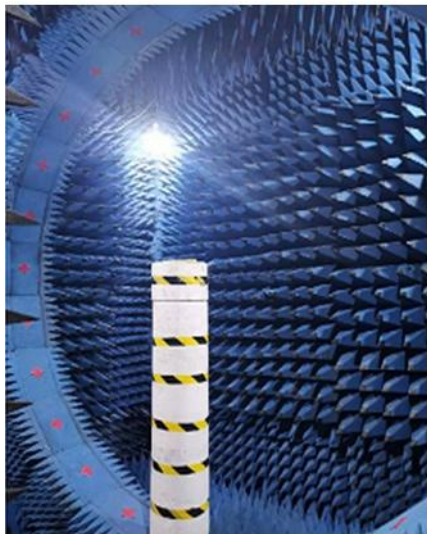
Confirmation by the supplier		
framework	a radio frequency	approvals

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1.Test Systems and Equipment

	Test items	appliances
1: parameters	1. smith roundabout 2. VSWR	Network Analyser: A338/A333 HP8753D
2: active test	1. TRP 2. TIS	Comprehensive Tester: Agilent 8960/ CMW500
3: passive test	1. Antenna efficiency 2. Antenna staff augmentation	1. Darkroom: 5x3x3 m (ETS-3D) 2. Network analyser: HP 8753D

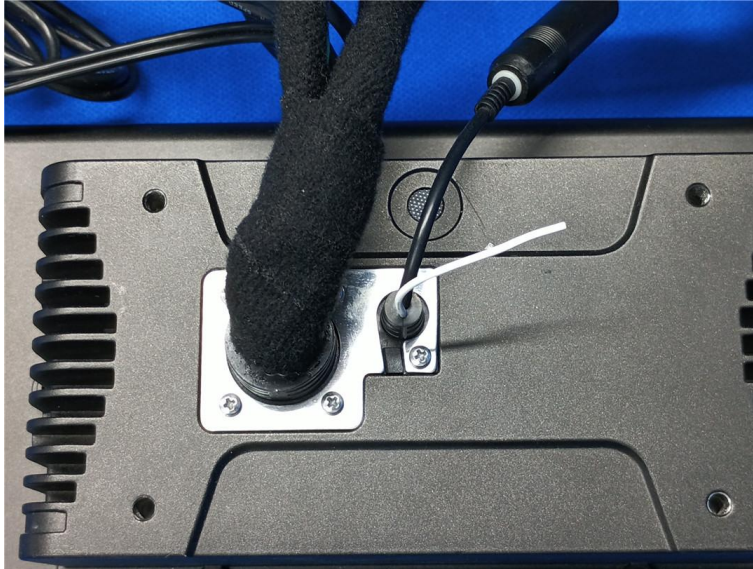


2. Product Details

Technical requirements	Technical index	Note
Band	WiFi	
Range Of Frequency	2400–2500Mhz ; 5180–5850Mhz	
VSWR	<2.0	Center Frequency
Output Impedance	50 Ω	
polarisation mode	Linear polarisation	
operating temperature	-20℃ / +55℃	
storage temperature	-25℃ / +65℃	
Salt Spray	24h (24h alternating wet & dry)	
Lead Free Certification	yes	

3. Device Details

Photo of the whole machine



4. Matching Circuits

The antenna match was not modified.

5. Active, Passive Test Data

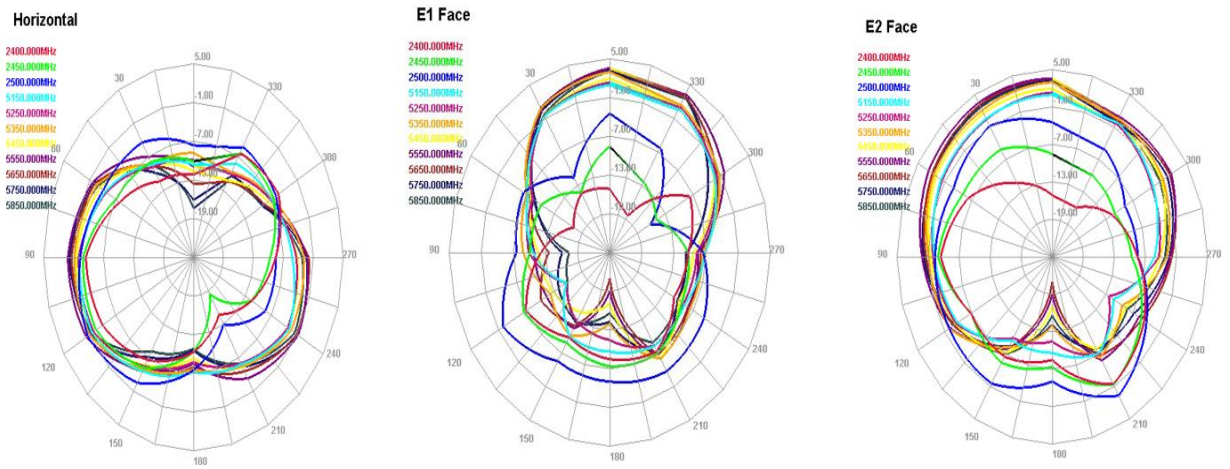
WiFi Active data

WIFI BAND	802.11b : 11Mbps (2.4G)			802.11g : 54Mbps (2.4G)		
Channel	CH1	CH7	CH13	CH1	CH7	CH13
TRP	13.65	13.12	12.84	11.46	11.09	10.89
TIS			-76.69			-67.59

WIFI BAND	802.11n : MCS7 (2.4G)			802.11a : 54Mbps (5G)		
Channel	CH1	CH7	CH13	CH36	CH161	CH165
TRP	11.29	10.87	10.69	12.13	12.56	11.61
TIS			-68.42			-64.85

WIFI天线效率，增益		
Freq (MHz)	Effi (%)	Gain (dBi)
2400	31.94	-1.41
2450	32.46	-1.32
2500	41.45	0.76
5150	41.84	1.18
5250	41.44	1.48
5350	55.03	2.95
5450	46.27	2.64
5550	66.36	4.12
5650	57.9	3.71
5750	53.24	3.8
5850	47.91	3.04

WiFi天线辐射方向图。



6.Engineering Graphics

unit:MM

