

Shenzhen Xiangboyi Technology Co. Ltd

Specification Confirmation Letter

一. Test System and Equipment

二. Product Description

三. Device Description

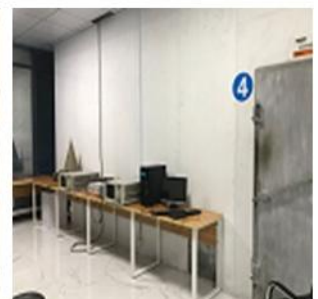
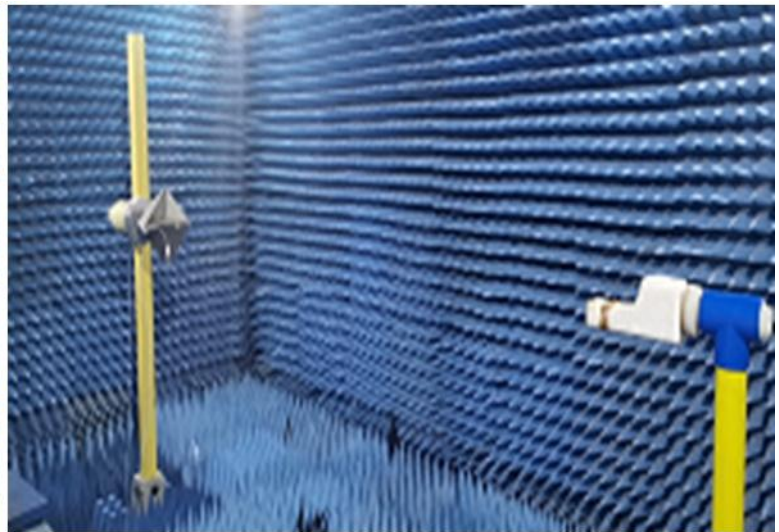
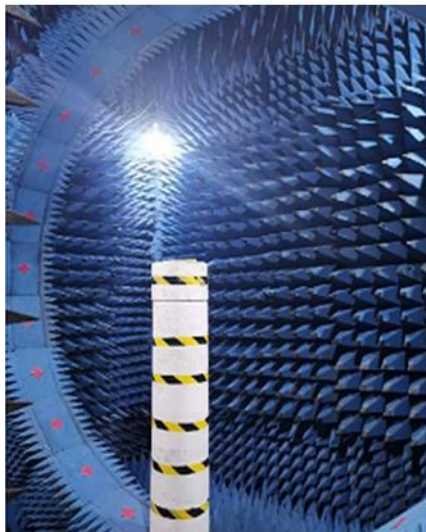
四. Matching Circuits

五. Active Test Tata

六. EngineeringDrawing

—. Test System and Equipment

	ITEM	Equipment
S parameter	Return Loss VSWR	Network Analyzer A338/A333 HP8753D
Active testing	1. TRP 2. TIS	Comprehensive testing instrument Agilent 8960 CMW500
Passive Test		Darkroom: 5 * 3 * 3 Network analyzer: HP8753D



二. Product Description

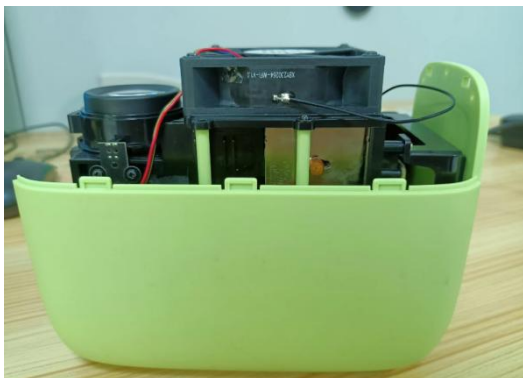
Technical requirements	Technical index	Note
Band	WIFI: B/G/N/A 模	
Range Of Frequency	WIFI: 2400-2500Mhz 5000-5800Mhz	
VSWR	2400-2500Mhz<3.0	Center Frequency
Impedance	50 Ω	
Polarization	Linear polarization	
operating temperature	-20℃ / +55℃	
storage temperature	-25℃ / +65℃	
Salt Fog	24h (24h alternating wet & dry)	
RoHS Compliant	yes	

≡. Device Description

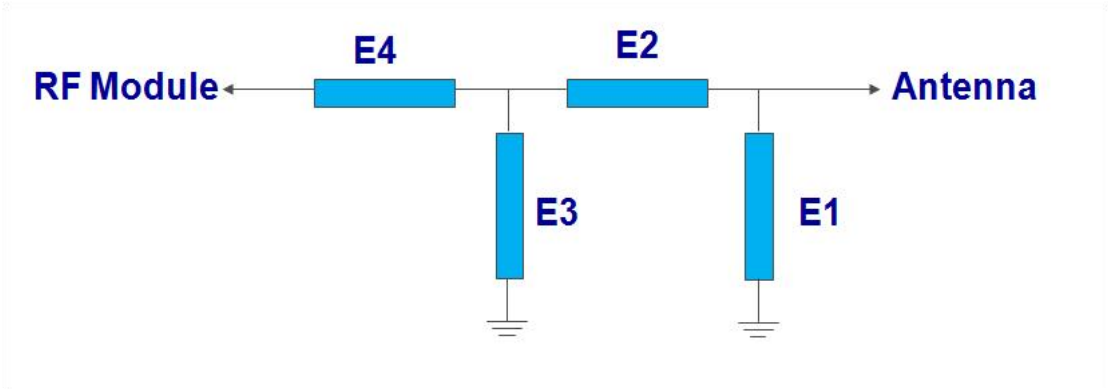
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四. Matching Circuits



Element	Value	Vender
E1(0201)	NA	
E2(0201)	0Ω	
E3(0201)	NA	
E4(0201)	0Ω	

五. Active Test Data

WIFI BAND	802.11a : 54MBps (5G)					
Channel	CH36	CH149	CH161			
TRP	12.92	13.36	13.06			
TIS			-71.31			

WIFI BAND	802.11b : 11MBps (2.4G)			802.11g : 54MBps (2.4G)		
Channel	CH1	CH6	CH11	CH1	CH6	CH11
TRP	16.54	16.47	16.82	12.62	12.25	12.57
TIS			-82.85			-70.88

WIFI BAND	802.11n : MCS7 (2.4G)					
Channel	CH1	CH6	CH11			
TRP	12.92	12.67	12.59			
TIS			-71.39			

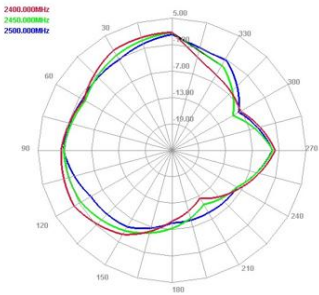
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WIFI 2.4G		
Freq (MHz)	Effi (%)	Gain (dBi)
2400	44.55	1.79
2450	44.1	1.7
2500	42.83	1.29

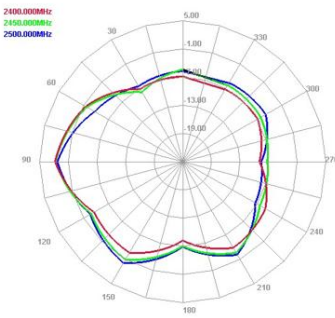
WIFI 5.8G		
Freq (MHz)	Effi (%)	Gain (dBi)
5000	53.97	2.56
5100	54.05	3.71
5200	51.59	2.54
5300	55.48	2.4
5400	51.45	2.74
5500	52.04	3.47
5600	52.82	3.4
5700	55.01	3.56
5800	52.94	2.31
5900	53.22	2.4
6000	46.08	1.84

WiFi 2.4G

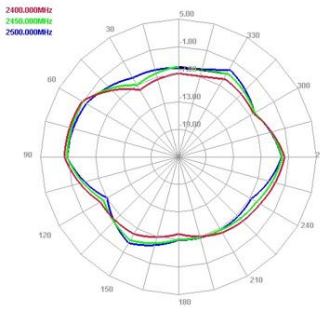
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E1 Face

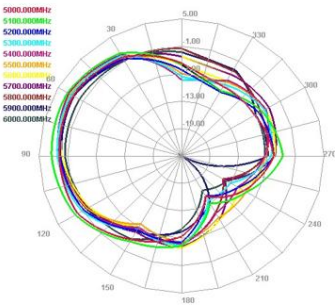


E2 Face

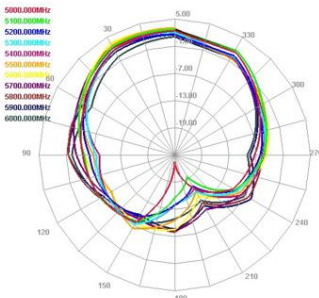


WiFi 5.8G

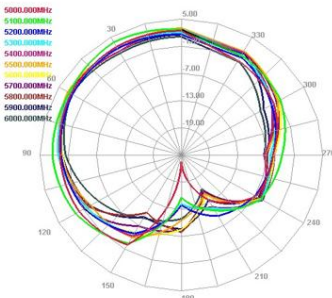
Horizontal



E1 Face



E2 Face



六. 工程图 Engineering Drawing

