

SPECIFICATIONS FOR APPROVAL official version

The specification data is the sample antenna data. Due to factors such as the product not being glued to the shell, there may be differences between the trial production machine and the specification data. However, after correction with the trial production machine, the data can remain consistent with the specification data

Customer Na	me:	Shenzhen Jiuzhou Yunhai Technology Co., Ltd.								
Product Nam	e:	WIFI 2.4G+5G_ANT_MAIN								
Product Model: XU160										
Part Number	:	LJF02-230705002M-R1A								
Write By:		SiHeng Peng								
Issued Date:						202	3/7/5			
					CUST	OMER	2			
ENGINEER R&D I	DEPT	BUSSI	INESS	DEPT	APPRO	OVED BY	DATE	Edition/Part number		
					LI	EJIN				
R&D DEPT	1	ENGIN	EER R&	D DEPT	APPI	ROVAL	DATE	Edition/Part number		
ECN/ECR										





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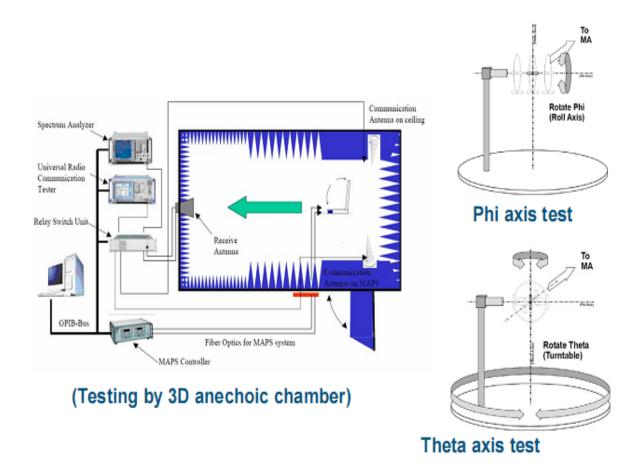


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Electrical Characteristics										
Frequency	VSWR		Efficienc	су	In	npedance	Polari	zation	Gain	
2400 MHz ~2500 MHz	<1.6 >35%		>35%		50 Ohm		Linear		≥2DB	
5100MHZ5900 MHZ	<2.5 >		>35%	50		50 Ohm	Linear		≥3 DB	
Material & Mechanical Characteristics Environmental							al			
Material of Radiator			nnector Type	Dimension		Operation Temperature		Storag	Storage Temperature	
BLACK		3 I	IPX_4			- 20 °C ~ + 50 °C		- 30 °C ~ + 80 °C		

Test Equipment & Conditions

- 1. Network Analyzers : Agilent 8753SE 5071C
- 2. Communications Test Set:Agilent E5515C/CMW500
- 3. 3D Chamber Test System(ETS743)



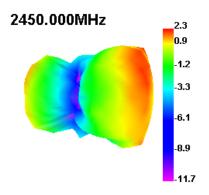


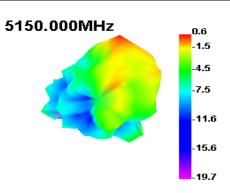
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Antenna Impedance: WIFI ANT M:



	Freq	(MHz)	2400	2410	2420	2430	2450	2460	2470	2480	2490	2500	
2.4G (Wifi/BT)	Effi	(%)	39.5	39.2	39.9	40.5	41.2	41.5	42.1	40.9	42.1	43	
·	Gain	(dBi)	1.75	1.55	1.89	2.27	2.25	1.96	2.23	2.44	2.56	2.08	ANT
	Freq	(MHz)	5150	5250	5350	5450	5550	5650	5750	5850	5950	6000	М
5G WIFI	Effi	(%)	37.2	37.9	38.6	38.9	38.5	39.1	38.1	39.5	40.2	41	
	Gain	(dBi)	2.05	1.89	2.49	2.1	2.43	2.5	2.44	2.52	2.49	2.45	





OTD_DATA: (The following OTD_DATA was tested by assembling the antenna according to the requirements of this specification. If the antenna is replaced or the installation method of the antenna is changed, the following OTD_DATA will become invalid. During the test, the BT needs to be turned off and the system should set the module to a non sleep state.)

WIFI	802.11B 11MB				
2G	TRP(dB	TIS(dB			
20	m)	m)			
CH1	12.29	-75			
CH6	12.8	-75.3			
CH11	13.16	-79.2			

WIFI	802.11G 54MB					
2G	TRP(dB	TIS(dB				
20	m)	m)				
CH1	11.25	-69.8				
CH6	12.21	-69.2				
CH11	11.1	-69.9				

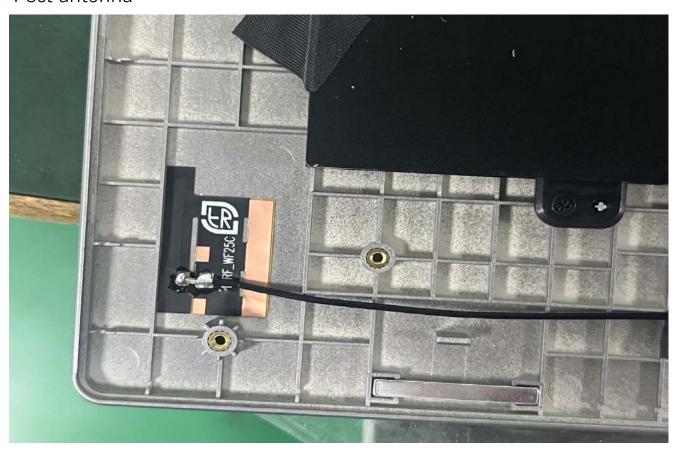
\/	VIFI	802.11A 54MB				
	5G	TRP(dB	TIS(dB			
,	JG	m)	m)			
С	H36	14.44	-70			
CH	H149	14.2	-70.8			
CH	H161	14.5	-70.6			

WIFI	802.11AN MCS7					
5G	TRP(dB	TIS(dB				
56	m)	m)				
CH36	11.34	-65.6				
CH149	13.73	-66.8				
CH161	13.05	-67.7				



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Post antenna







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