

WIFI Antenna test report

Project Name: JY3000-C2

Module: 8731 Single Antenna

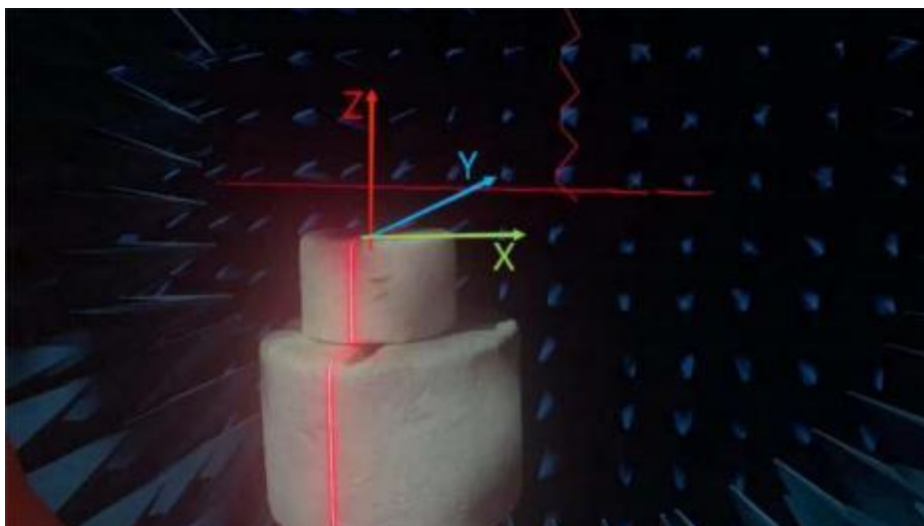
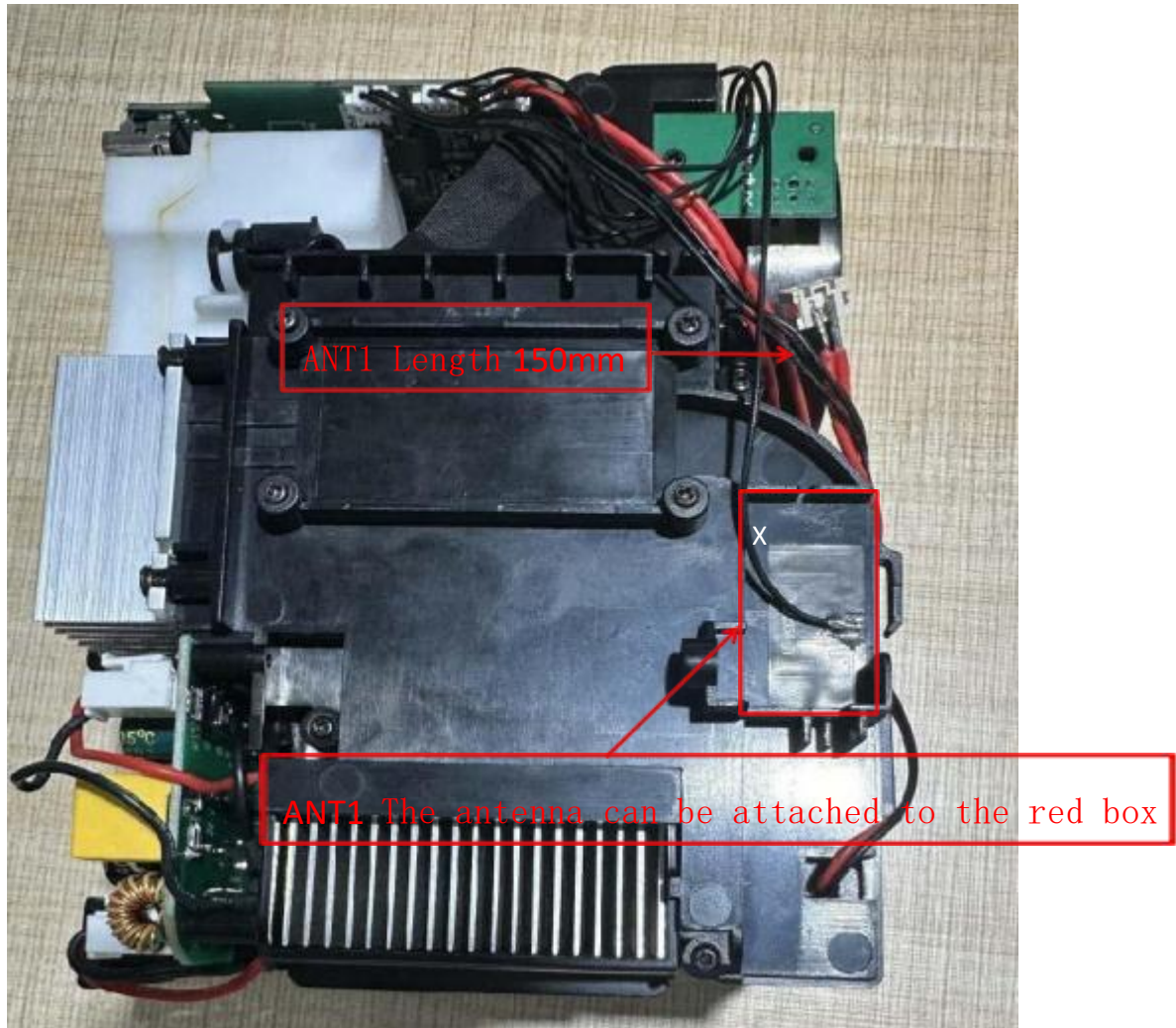
Type: WIFI 2.4G & 5G

Manufacturer: Shenzhen Joyar Technology(Group) Co., Ltd

Adress: 503 (5C), Building D3, TCL Science Park, No. 1001,
Zhongshanyuan Road, Shuguang Community, Xili Street, Nanshan District,
Shenzhen City, Guangdong Province, China
Antenna Type: FPC Antenna

Approved by Joyar		
Author/Date	Rechecked by/Date	Approved by/Date
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一、Diagram of the antenna and test environment



二、TRP&TIS

TRP：Total Radiated Power
TIS: Total Isotropic Sensitivity

Test mode	802.11b 11Mbps BW 20M			802.11a 54Mbps BW 20M		
BAND	2.4G			5 G		
CHANNEL	1	6	11	36	100	165
TRP (dBm)	16.23	15.93	15.3	15.24	17.84	14.55
CHANNEL	1	6	11	36	100	165
TIS (dBm)	-78.27	-78.9	-78.59	-73.3	-75.5	-72.2

三、Passive efficiency

Gain&Efficiency&PhaseCenter 增益、效率和相位中心			
Frequency 频率 (MHz)	Gain 增益 (dBi)	Efficiency 效率 (dB)	Efficiency 效率 (%)
2400	4.82	-1.74	67.03
2410	5.28	-1.93	64.17
2420	5.59	-1.62	68.94
2430	5.36	-2.15	60.97
2440	5.33	-2.19	60.37
2450	5.66	-2.04	62.58
2460	4.97	-2.78	52.75
2470	5.08	-2.47	56.68
2480	5.26	-2.44	57
2490	4.86	-2.57	55.3
2500	4.66	-2.7	53.67



深圳市江元科技（集团）有限公司

Shenzhen Joyar Technology(Group) Co., Ltd

Gain&Efficiency&PhaseCenter 增益、效率和相位中心			
Frequency 频率 (MHz)	Gain 增益 (dBi)	Efficiency 效率 (dB)	Efficiency 效率 (%)
5150	6.85	-3.44	45.34
5200	6.23	-3.54	44.23
5250	6.3	-3.39	45.77
5300	6.26	-3.64	43.24
5350	7.07	-3.33	46.49
5400	7.63	-3.27	47.08
5450	8.12	-3.18	48.05
5500	9.07	-2.59	55.06
5550	8.22	-3.08	49.23
5600	7.37	-3.65	43.18
5650	8.29	-2.8	52.47
5700	8.47	-2.54	55.74
5750	8.13	-2.79	52.58
5800	7.73	-2.85	51.93
5850	7.52	-2.89	51.38

四、2D3D Direction map

