

Antenna specification

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Model No.C336

1. Electrical Specification :

*Those specifications were specially defined for **C 3 3 6** WIFI model, and all characteristics were measured under the model's handset testing jig .*

1-1. Frequency Band:

Frequency Band	MHz
Wi-Fi	2400-5800

1-2. Impedance

50 ohm nominal

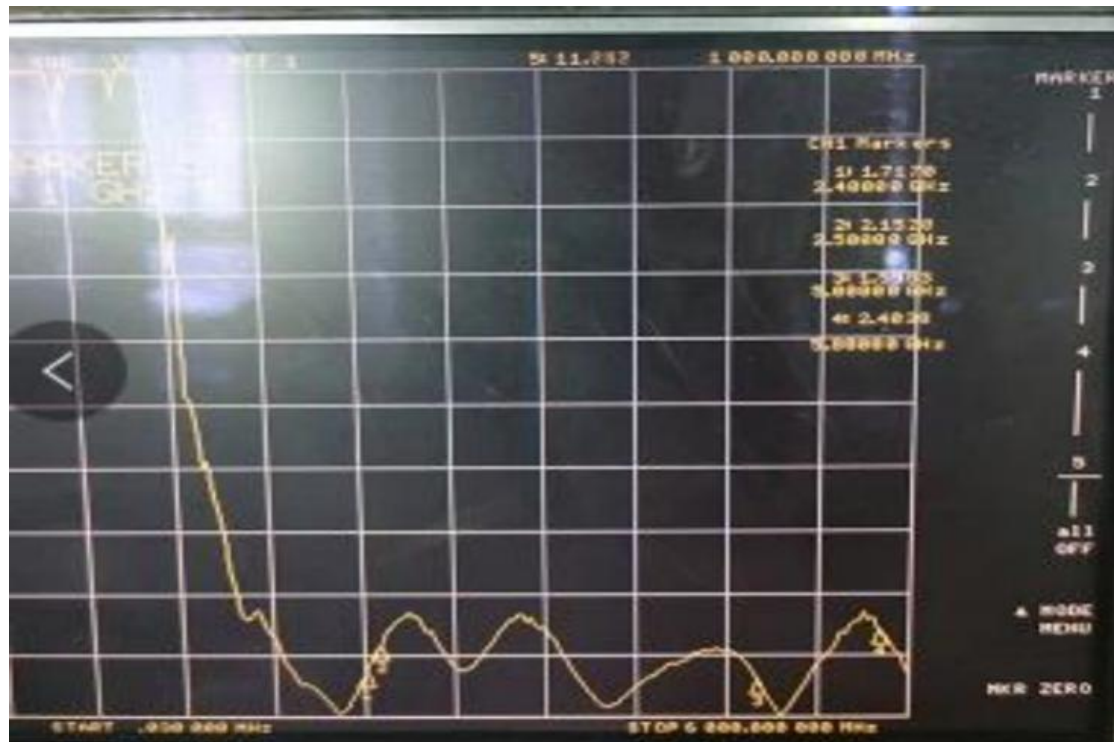
2. VSWR

2-1 Measuring Method

1. A 50 Ω coaxial cable is connected to the antenna. Then this cable is connected to a network analyzer to measure the VSWR,
2. Keeping this jig away from metal at least 20cm.

2-2 Measurement frequency points and VSWR value

Frequency (MHz)	2400	2500	5000	5800
VSWR	1.71	2.13	1.66	2.18



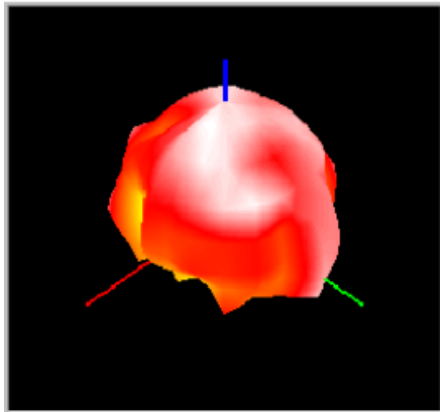
3-1 Measuring Method

1. Using a low loss coaxial cable to link a standard handset jig,
2. Fixed this handset jig on chamber's rotator plane,
3. Linking jig into network analyzer port and using a probing horn antenna to collect data,
4. Using another standard gain horn antenna to calibrated those data.

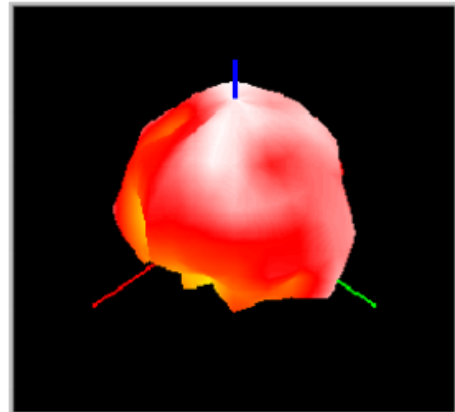
3-2 Efficiency and Gain Value

Frequency (MHz)	Efficiency (%)	Average GAIN (dB)	Peak GAIN (dBi)
2400	32.7	-1.87	3.48
2450	36.8	-1.36	3.54
2490	38.4	-0.67	3.20
Frequency (MHz)	Efficiency (%)	Average GAIN (dB)	Peak GAIN (dBi)
5000	45.7	-3.31	0.88
5400	46.8	-3.48	1.17
5800	44.4	-3.66	0.97

3-3 3D Pattern



2400TRP

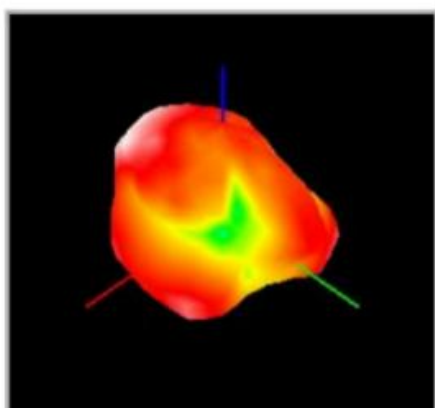


2400TIS

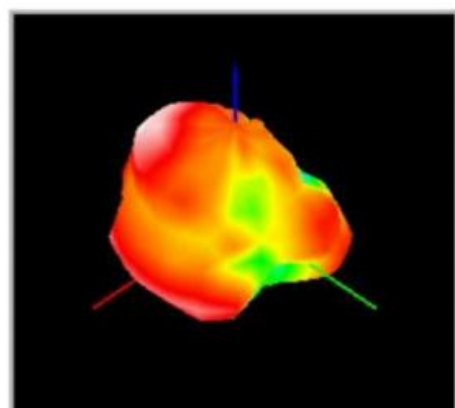
3.3-4 OTA Test Result (天线性能数据)

	WIFI-5G	
Channel	5G	
TRP(dBm)	11.98	
TIS (dBm)	-58.61	

3-3 - 5 3D Pattern



5180TRP



5180TIS

