
Antenna Approval Sheet

1. Electrical Specification:

Antenna types	External antenna
Frequency	2400-2500 MHz
Impedance	50 Ω
VSWR	< 2.0
Gain	2.4GHZ 0 dBi
Efficiency	>35 %
Manufacturer	Shenzhen Mijie communication electronics Co., LTD
Address	3rd Floor, Building A, No. 49, Jinkang Road, Keng Zi Jinsha, Pingshan New District, Shenzhen
MAX Gain (dBi)	0

2. Test Condition

2.1	TEST ITEM	TESTING INSTRUMENT	REMARKS
1.PASSIVE TEST	1.TRP 2.TIS	1. 3D microwave darkroom (Satimo SG24) 2. Comprehensive test instrument (CMW500) 3. Agilent 8960 E5515C	
2.ACTIVE TEST	1. Antenna Gain 2. S.W.R 3. Return Loss 4. Radiation Pattern	1. Network analyzer (R&S ZVL6) 2. Network analyzer (HP 8753D)	

3. RF Performance –WIFI Antenna

3.1 Active test data

Item	Standard	Band	Channel	Frequency	TRP	TIS
1	WIFI (AP)	WIFI_B (11M)	1	2412	13.9	-64.33
2	WIFI (AP)	WIFI_B (11M)	6	2437	13.96	-64.32
3	WIFI (AP)	WIFI_B (11M)	11	2462	12.09	-64.01

3.2 Passive parameters

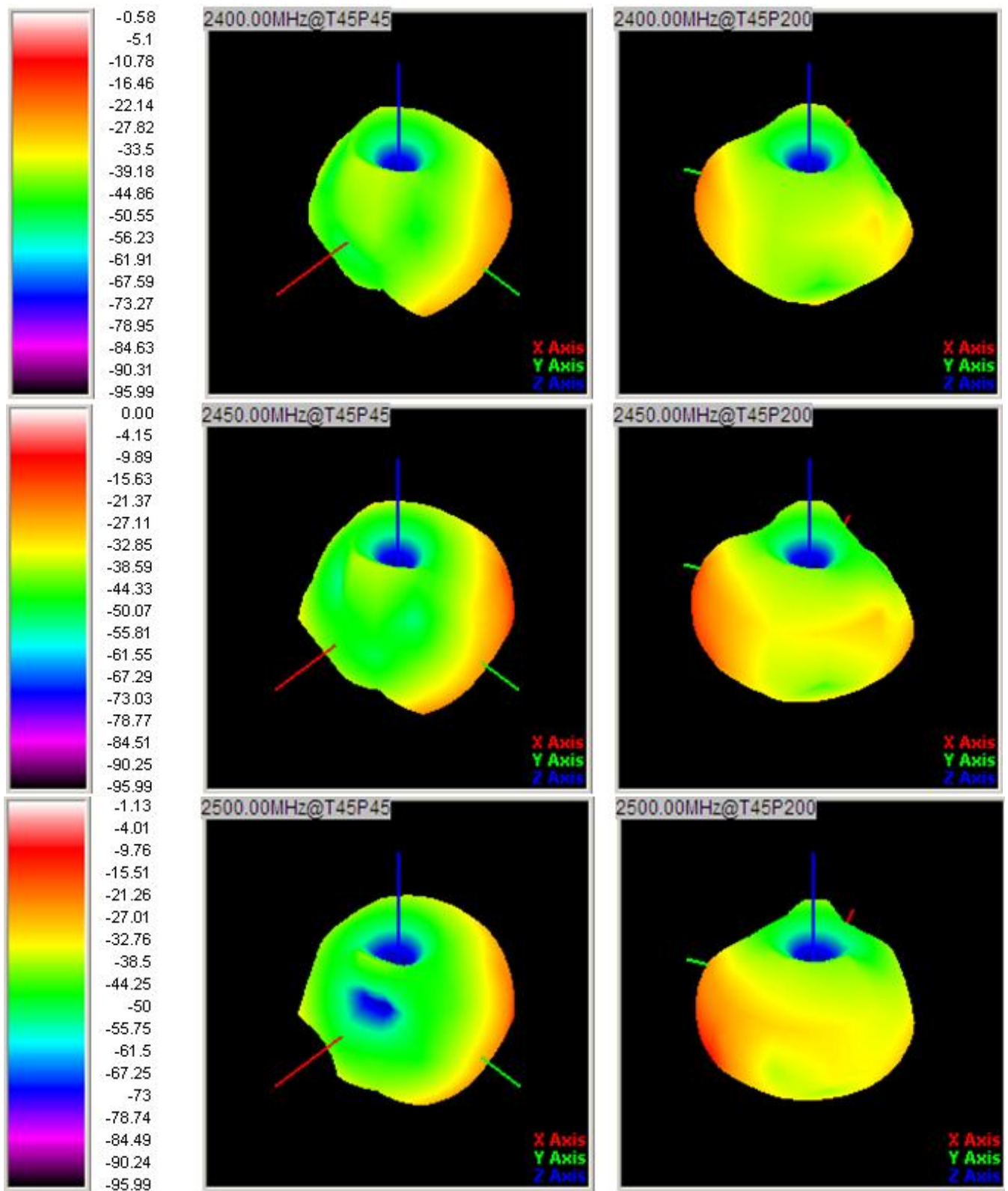
Freq. (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Gain (dBi)	-0.58	-0.66	-0.54	-1.02	-1.17	0	-0.72	-0.08	-0.72	-1.19	-1.13

3.3 S Parameter

Frequency (MHz)	2400	2450	2480
Return Loss (dB)	-13.2	-20.6	-13.9
VSWR	1.53	1.27	1.6



3.4 Antenna 3D Radiation Pattern (Unit:dbi)



4.ME Drawing for the antenna

