

RF Report

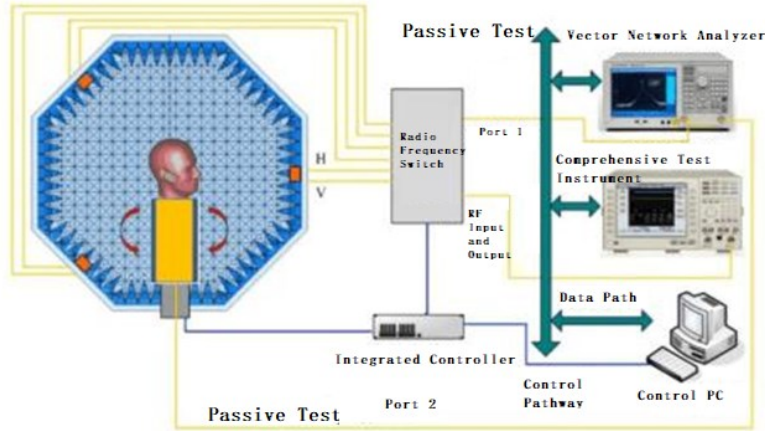
Model Name	EMC3022-P
HW Solution	IOT WLAN (802.11) Module TG7100C
FW Version	0000.0000.A258
Report No.	MXCHIP-EMC3022-P RF Test_001
Manufacture and Applicant	Shanghai MXCHIP Information Technology Co., Ltd.
Address	9th Floor, Building B, Lane2145, Jinsha Jiang Road, Putuo District, Shanghai

Tester	ZhangFeng
Reviewer	ZhangJunli

1. Test Device



2. Test Environment Setup



3. Test Equipment

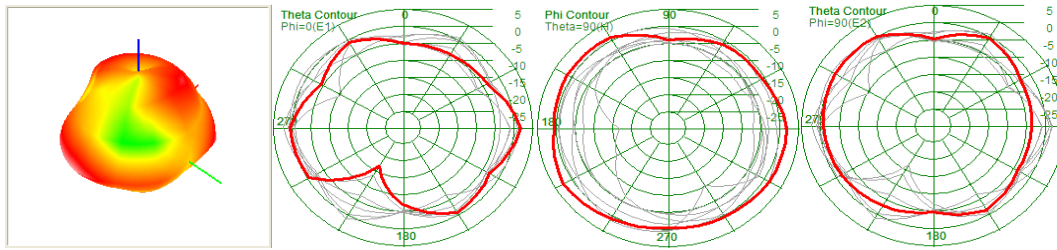
Equipment	Model	Manufacture
Vector Network Analyzer	E5071C	KEYSIGHT
Comprehensive Test Instrument	RayZone-5000	GTS

4. Antenna Efficient and Gain

Passive Test For Wi-Fi						
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Min (dB)	Attenut Hor	Attenut Ver
2400	63.2	-1.9	1.8	-11.60	53.2	52.7
2410	62.5	-2.1	1.9	-10.97	52.9	51.8
2420	61.7	-1.9	1.8	-10.64	52.7	53.2
2430	62.4	-1.8	2.0	-11.08	53.6	52.6
2440	61.5	-1.9	1.8	-10.73	52.4	52.3
2450	62.3	-2.0	1.9	-11.25	53.8	53.5
2460	61.9	-2.0	1.8	-10.70	52.7	52.7
2470	61.2	-1.9	2.0	-11.32	53.4	52.3
2480	61.4	-2.0	1.8	-10.85	52.8	52.4
2490	62.7	-1.9	1.9	-10.32	53.2	51.9
2500	62.3	-2.1	1.7	-10.53	53.0	53.4

5. Antenna Radiation

2450MHz



6. Antenna Type

Antenna Manufacturer: Shanghai MXCHIP Information Technology Co., Ltd.

Antenna Type: PCB Antenna

Antenna Model: EMC3022-PCB-Antenna

Antenna Frequency: 2.4GHz

Gain: 2dBi

Antenna position is shown as following:

