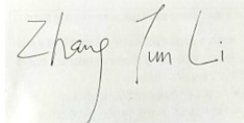

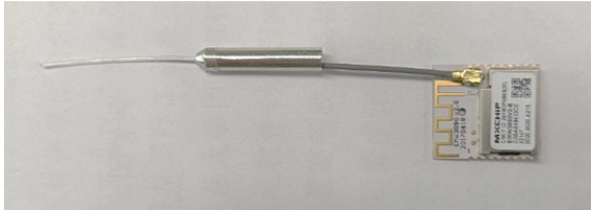


Antenna specification

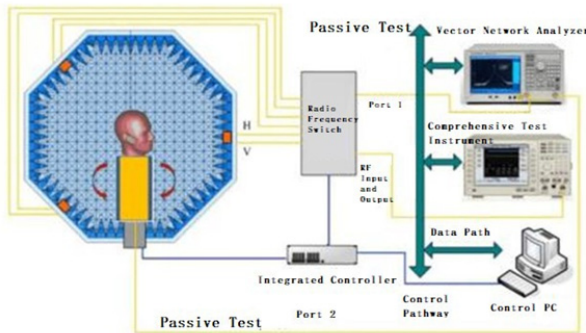
Model Name	EMW3090V2-E
HW Solution	IOT WLAN (802.11) Module MX1290V2
FW Version	0000.0000.A304
Report No.	MXCHIP-EMW3090V2-E RF Test_001
Manufacture and Applicant	Shanghai MXCHIP Information Technology
Address	9th Floor, No.5, Lane2145, Jinsha Jiang Road, Putuo District, Shanghai

Tester	
Reviewer	

1. Test Device



2. Test Environment Setup



2. Test Equipment

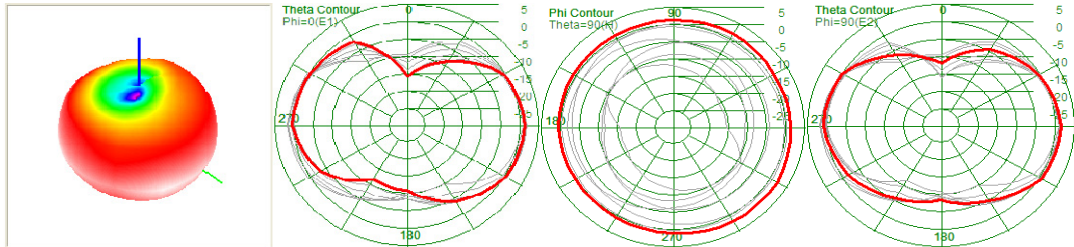
Equipment	Model	Manufacture
Vector Network Analyzer	E5071C	KEYSIGHT
Comprehensive Test Instrument	RayZone-5000	GTS

4. Antenna Efficient and Gain

Passive Test For WIFI						
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Min (dB)	Attenut Hor	Attenut Ver
2400	62.62	-2.03	1.8	-10.6	53.28	52.56
2410	61.46	-2.11	1.8	-10.55	53.34	52.58
2420	61.23	-2.13	1.8	-10.49	53.45	52.63
2430	62.98	-2.01	1.8	-10.26	53.33	52.73
2440	62.74	-2.02	1.7	-10.11	53.37	52.78
2450	65.08	-1.87	1.7	-10.11	53.46	53.02
2460	63.73	-1.96	2	-10.13	53.47	52.9
2470	65.77	-1.82	1.8	-10	53.54	52.93
2480	65.7	-1.82	1.7	-10.46	53.54	52.79
2490	67.63	-1.7	1.9	-10.24	53.54	52.88
2500	67.39	-1.71	2	-10.14	53.52	52.85

5. Antenna Radiation

2450MHz



6. Antenna Dimension

Antenna Type: IPEX Antenna, 2.4GHz

