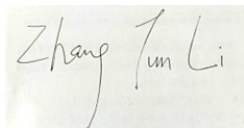
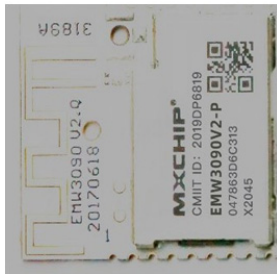


Antenna specification

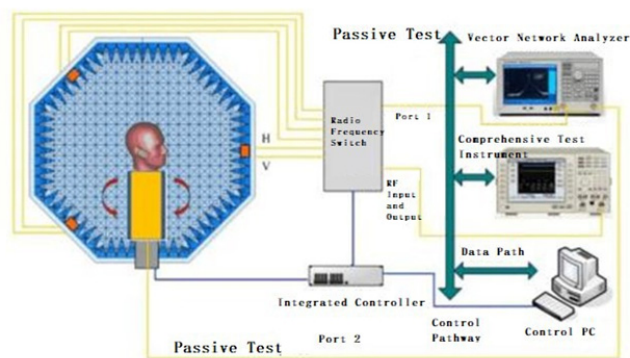
Model Name	EMW3090V2-P
HW Solution	IOT WLAN (802.11) Module MX1290V2
FW Version	0000.0000.A304
Report No.	MXCHIP-EMW3090V2-P RF Test_001
Manufacture and Applicant	Shanghai MXCHIP Information Technology
Address	9th Floor, No.5, Lane2145, Jinsha Jiang Road, Putuo District, Shanghai

Tester	
Reviewer	

1.Test Device



2.Test Environment Setup



2.Test Equipment

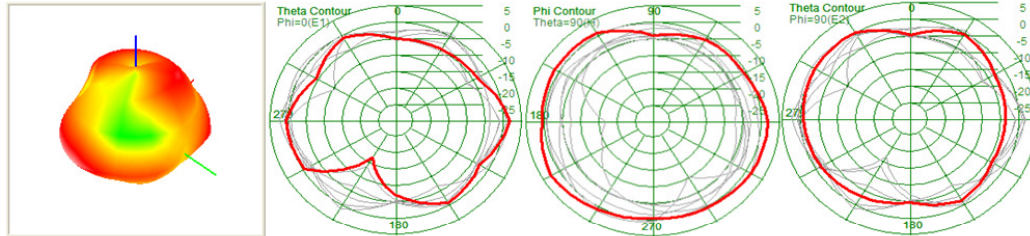
Equipment	Model	Manufacture
Vector Network Analyzer	E5071C	KEYSIGHT
Comprehensive Test Instrument	RayZone-5000	GTS

4.Antenna Efficient and Gain

Passive Test For WIFI									
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	Max (dB)	Min (dB)	Attenut Hor	Attenut Ver	
2400	63.0	-2.0	1.2	-1.0	1.2	-12.2	53.3	52.6	
2410	62.7	-2.0	1.0	-1.1	1.0	-11.9	53.3	52.6	
2420	62.2	-2.1	0.9	-1.2	0.9	-11.7	53.5	52.6	
2430	63.0	-2.0	0.9	-1.3	0.9	-11.3	53.3	52.7	
2440	62.1	-2.1	0.7	-1.5	0.7	-10.9	53.4	52.8	
2450	63.7	-2.0	0.6	-1.5	0.6	-10.9	53.5	53.0	
2460	62.5	-2.0	0.6	-1.5	0.6	-11.2	53.5	52.9	
2470	63.8	-2.0	0.8	-1.4	0.8	-11.0	53.5	52.9	
2480	64.6	-1.9	0.9	-1.3	0.9	-10.9	53.5	52.8	
2490	63.1	-2.0	0.8	-1.3	0.8	-10.8	53.5	52.9	
2500	61.7	-2.1	0.8	-1.4	0.8	-10.9	53.5	52.9	

5. Antenna Radiation

2450MHz



6. Antenna Dimension

Antenna Type: PCB Antenna, 2.4GHz

