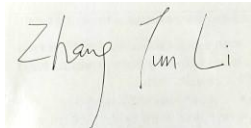
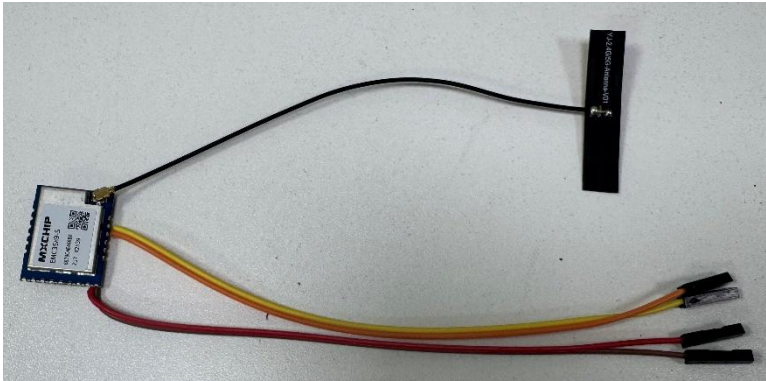


RF Report

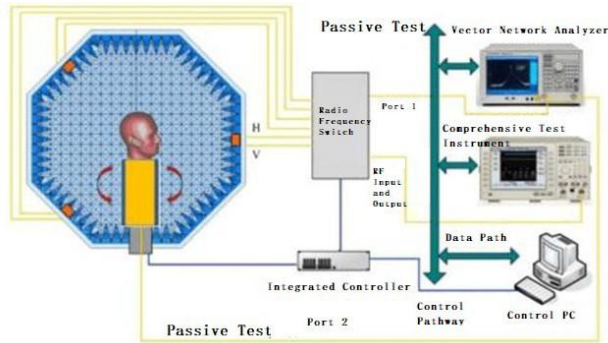
Model Name	EMC3589-S
HW Solution	IOT WLAN (802.11) Module RTL8711D
FW Version	0000.0000.AT03
Report No.	MXCHIP-EMC3589-S RF Test_001
Manufacture and Applicant	Shanghai MXCHIP Information Technology
Address	9th Floor, Building B, Lane2145, Jinsha Jiang Road, Putuo District, Shanghai

Tester	
Reviewer	

1. Test Device



2. Test Environment Setup



3. Test Equipment

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

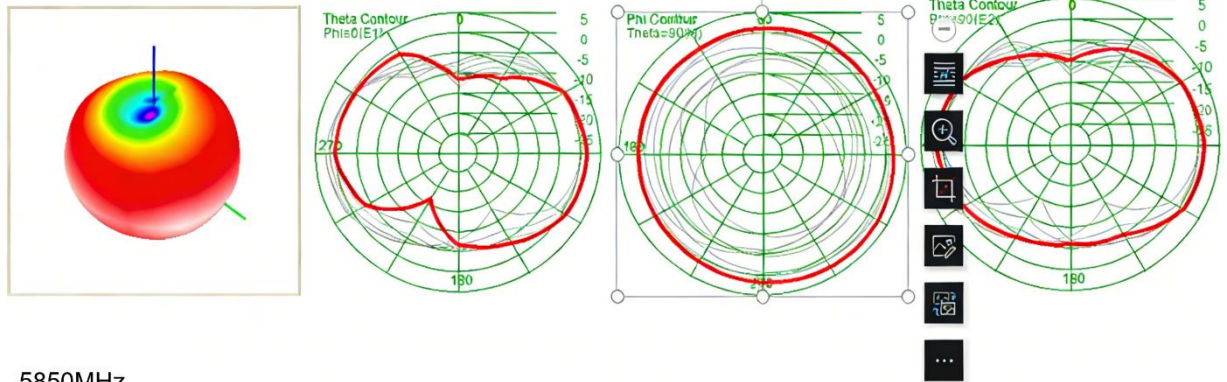
4. Antenna Efficient and Gain

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	52.23	-2.45	-0.32	5150	47.42	-2.97	-0.64
2410	53.62	-2.31	-0.29	5200	46.23	-2.92	-0.58
2420	53.71	-2.26	-0.26	5250	47.56	-2.85	-0.43
2430	54.36	-2.13	-0.24	5300	46.63	-2.72	-0.39
2440	55.49	-2.05	-0.28	5350	47.77	-2.57	-0.43
2450	56.81	-2.12	-0.19	5400	49.76	-2.17	-0.45
2460	54.34	-2.25	-0.23	5450	53.73	-2.73	-0.38

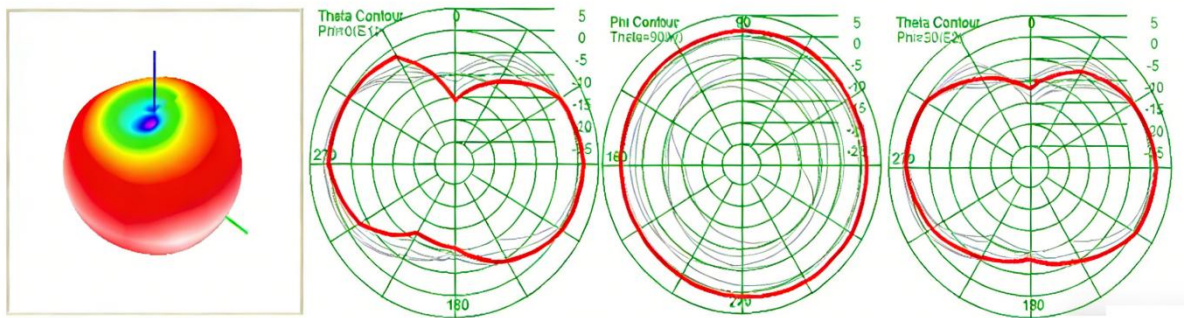
2470	53.57	-2.35	-0.32	5500	56.16	-2.84	-0.32
2480	52.39	-2.42	-0.29	5550	54.27	-2.56	-0.35
2490	53.86	-2.67	-0.38	5600	55.31	-2.67	-0.31
2500	52.66	-2.46	-0.23	5650	53.54	-2.72	-0.43
AVG	53.91	-2.31	-0.27	5700	54.37	-2.45	-0.37
				5750	53.62	-2.77	-0.38
				5800	52.51	-2.84	-0.42
				5850	52.43	-2.96	-0.36
				AVG	51.42	-2.71	-0.42

5. Antenna Radiation

2450MHz



5850MHz



6. Antenna Dimension

Antenna Type: Copper tube antenna

Antenna Frequency: 2.4GHz/5GHz

Antenna Dimension: As shown in following figure. Unit: mm.

