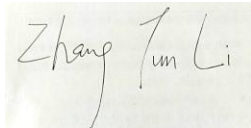


RF Report

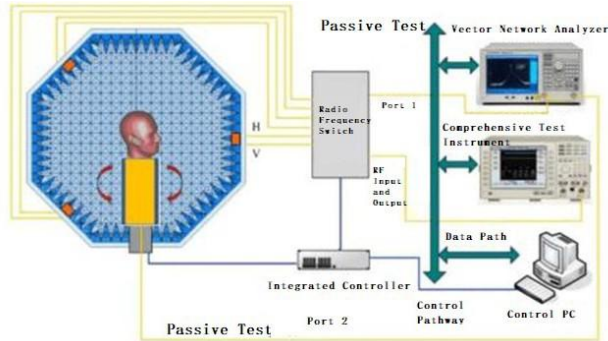
Model Name	EMC3589-S
HW Solution	IOT WLAN (802.11) Module RTL8711D
FW Version	0000.0000.AT03
Report No.	MXCHIP-EMC3589-S RF Test_001
Manufacture and Applicant	Shanghai MXCHIP Information Technology
Address	9th Floor, Building B, Lane2145, Jinsha Jiang Road, Putuo District, Shanghai

Tester	
Reviewer	

1. Test Device



2. Test Environment Setup



2. Test Equipment

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

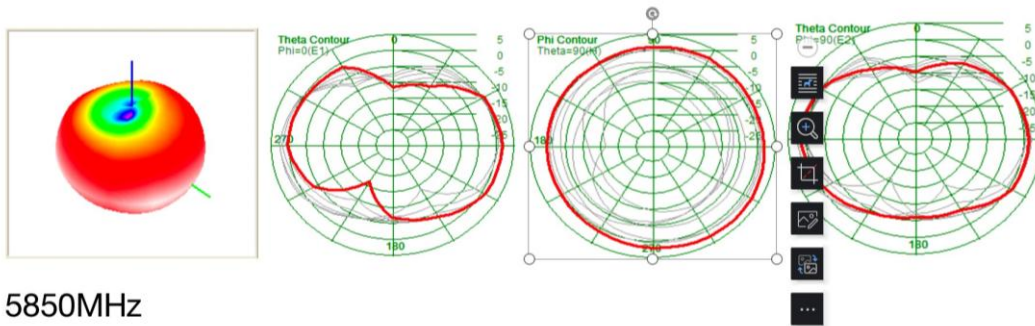
4. Antenna Efficient and Gain

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	48.23	-3.17	-0.62	5150	43.25	-3.64	-0.97
2410	51.43	-2.89	-0.59	5200	44.78	-3.49	-0.83
2420	52.67	-2.78	-0.46	5250	46.32	-3.34	-0.92
2430	54.36	-2.65	-0.54	5300	46.98	-3.28	-0.85
2440	55.49	-2.56	-0.48	5350	47.89	-3.20	-0.93
2450	56.81	-2.46	-0.37	5400	48.23	-3.17	-0.98
2460	54.34	-2.65	-0.53	5450	50.02	-3.01	-0.85
2470	53.57	-2.71	-0.62	5500	51.38	-2.89	-0.74
2480	52.39	-2.81	-0.59	5550	52.09	-2.83	-0.69
2490	49.86	-3.02	-0.68	5600	50.36	-2.98	-0.83
2500	48.65	-3.13	-0.53	5650	49.67	-3.04	-0.92
AVG	52.53	-2.80	-0.55	5700	48.93	-3.10	-0.86

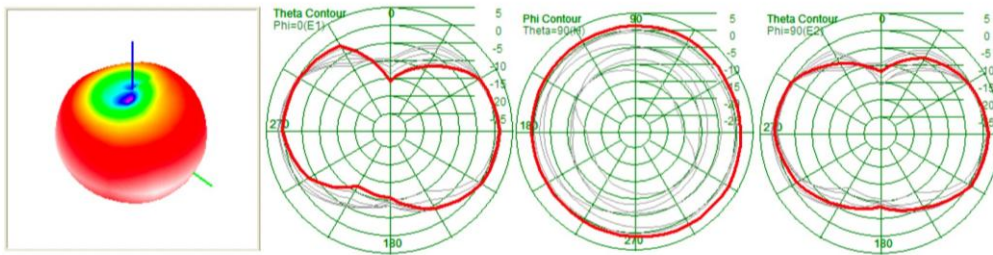
5750	47.56	-3.23	-0.84
5800	46.71	-3.31	-0.92
5850	46.17	-3.36	-0.85
AVG	48.02	-3.19	-0.87

5. Antenna Radiation

2450MHz



5850MHz



5. Antenna Dimension

Antenna Type: PCB on-board antenna

Antenna Frequency: 2.4GHz/5GHz

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

