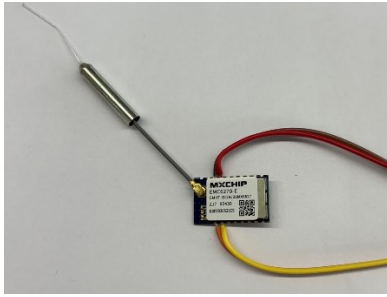


# Antenna RF Report

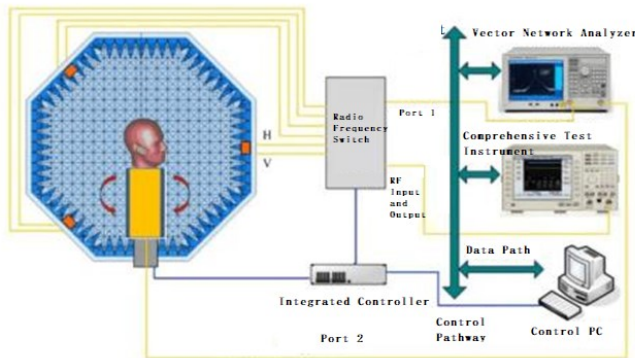
<b>Model Name</b>	<b>EMC6270-E</b>
<b>HW Solution</b>	<b>IOT WLAN (802.11) Module BK7235</b>
<b>FW Version</b>	<b>0000.0000.A221</b>
<b>Report No.</b>	<b>MXCHIP-EMC6270-E RF Test_001</b>
<b>Manufacture and Applicant</b>	<b>Shanghai MXCHIP Information Technology Co., Ltd.</b>
<b>Test Laboratory Address</b>	<b>9th Floor, No.5, Lane2145, Jinsha Jiang Road, Putuo District, Shanghai. MXCHIP RF Testing Laboratory</b>

<b>Tester</b>	<i>Zhang Jun Li</i>
<b>Reviewer</b>	<i>Yu Wei</i>
<b>Date</b>	2024.08.12.

# 1. Test Device



# 2. Test Environment Setup



# 3. Test Equipment

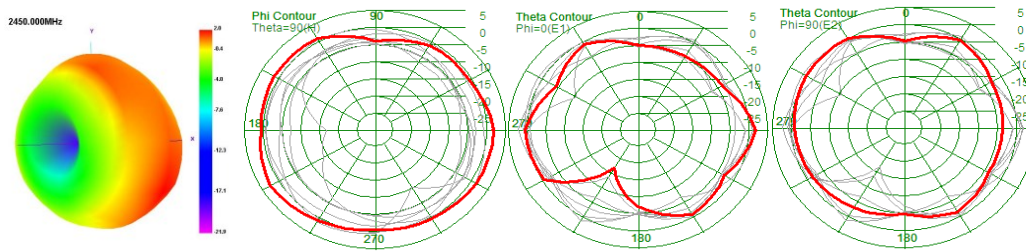
Equipment	Model	Manufacture
Vector Network Analyzer	E5071C	KEYSIGHT
Comprehensive Test Instrument	RayZone-5000	GTS

# 4. Antenna Efficient and Gain

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Min (dB)	Attenut Hor	Attenut Ver
2400	62.53	-1.93	1.9	-10.22	53.52	52.78
2410	62.31	-1.95	1.8	-10.14	53.67	52.54
2420	61.78	-1.96	1.9	-10.29	53.21	52.61
2430	62.26	-1.94	1.8	-10.35	52.98	51.76
2440	63.57	-1.86	1.9	-10.27	52.68	52.47
2450	64.22	-1.84	1.8	-10.33	53.21	52.41
2460	65.39	-1.86	1.9	-10.29	53.29	51.78
2470	65.78	-1.83	1.9	-10.03	53.17	52.69
2480	66.42	-1.94	1.8	-10.12	52.32	51.75
2490	67.93	-1.93	1.9	-10.24	52.16	52.35
2500	66.78	-1.85	1.8	-10.04	53.28	51.27

## 5. Antenna Radiation

2450MHz



## 6. Antenna Type

Antenna Type: Copper tube antenna

Antenna Frequency: 2.4GHz

Antenna Dimension: As shown in following figure

