

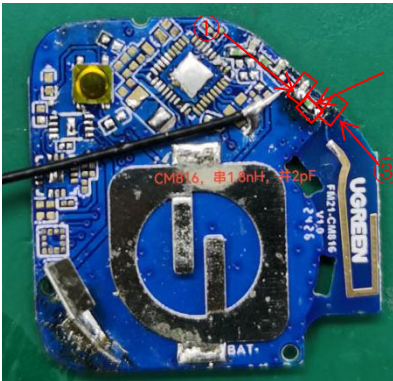
ANTENNA TEST REPORT

产品名称	CM816
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Summary

ITEM	SPEC.
Model Name	BT 2.4 GHz
MAX. GAIN	-2.09dBi
Polarization	Horizontal
Impedance	50 Ω
Antenna Type	PCB 板载天线
Manufacturer	

Antenna Photo & Length (mm)

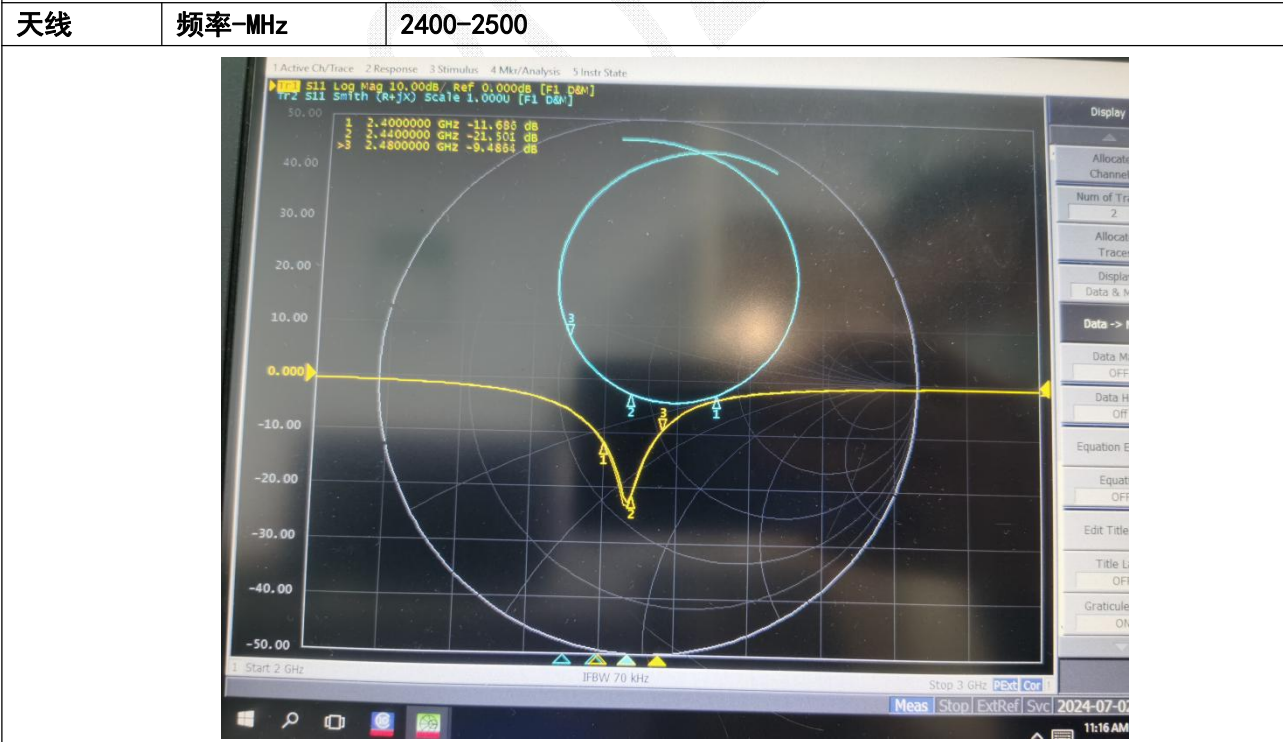


位号	①	②	③
数值	2pF	1.8nH	NC

电性能测试结果

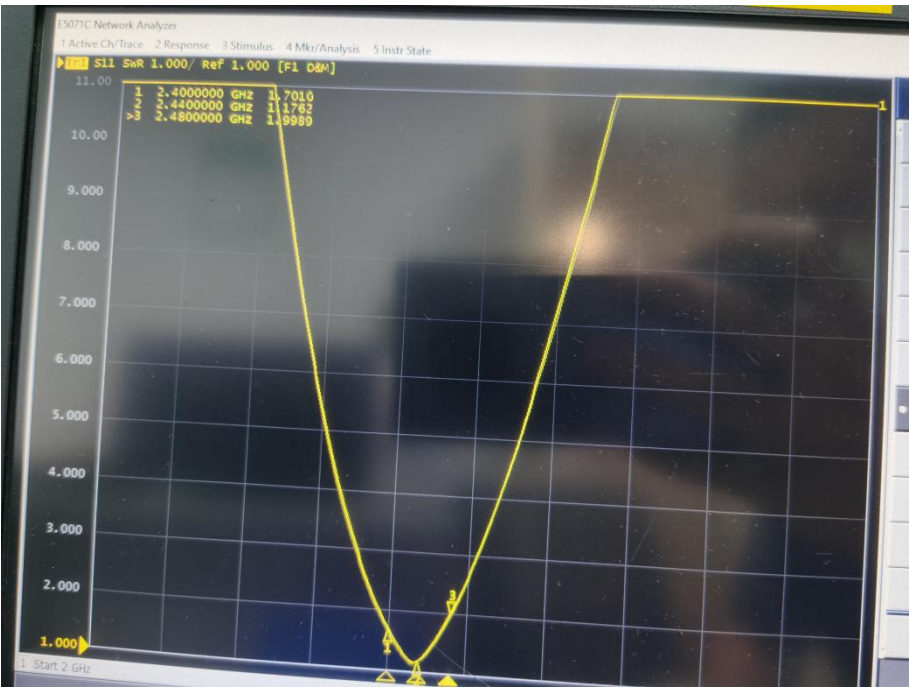
天线指标						
序号	检验项目	单位	性能指标要求	检验结果		判 决
1	频率范围	MHz	2412-2483	2400-2483		OK
2	增 益	dBi	/	2400	-2.22	
				2440	-2.4	
				2480	-2.86	
4	回波损耗	dB	≤ -10	2400	-11.68	
				2440	-21.5	
				2480	-9.48	
4	驻波比	dB	/	2400	1.70	
				2440	1.17	
				2480	1.99	

回波损耗 Log Mag S11



驻波比 SWR

天线	频率-MHz	2400-2500	
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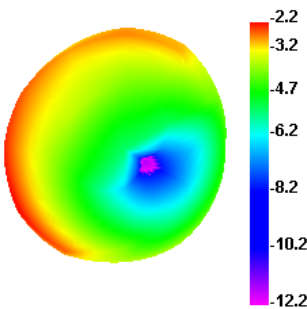


辐射参数测试

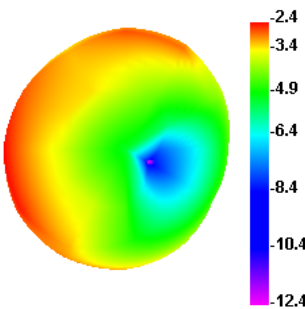
天线

辐射方向图（2.4G）

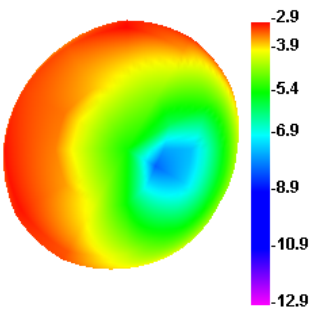
2400.000MHz



2440.000MHz

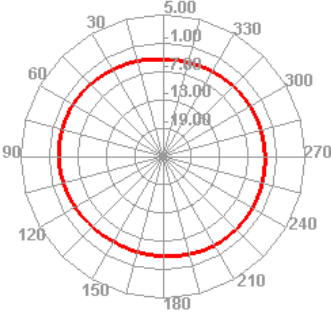


2480.000MHz

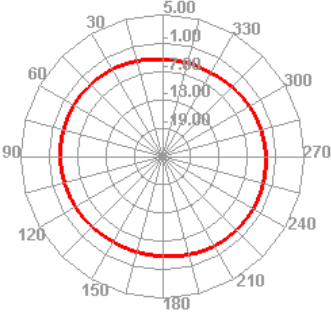


水平面

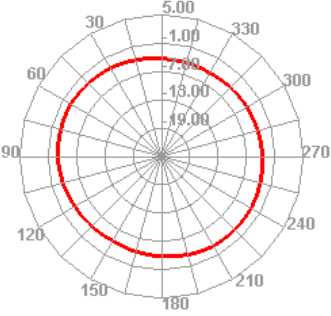
2400.000MHz H



2440.000MHz H

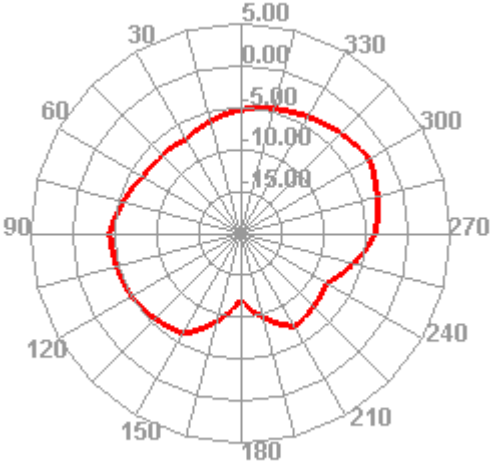


2480.000MHz H

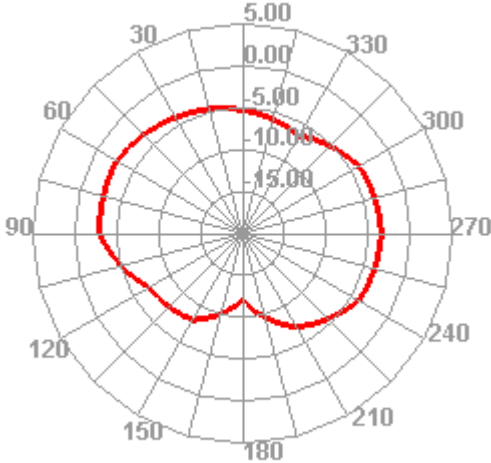


垂直面

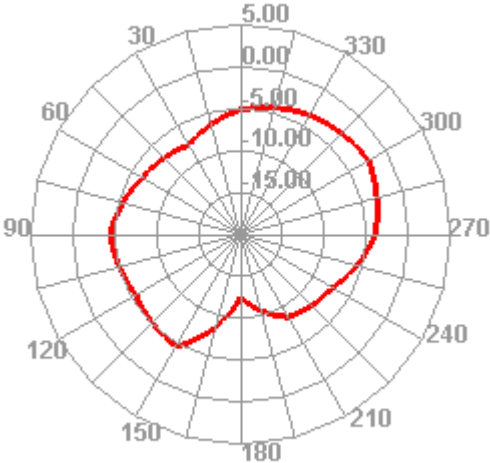
2400.000MHz E1



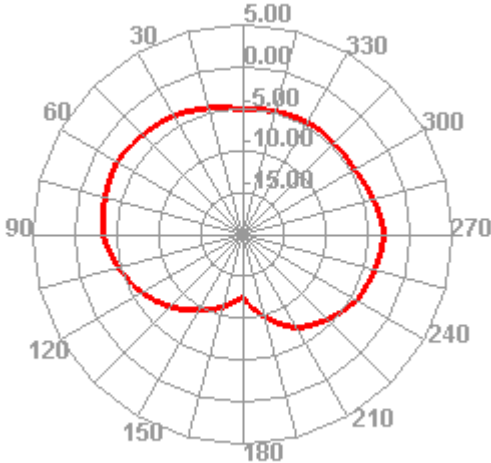
2400.000MHz E2

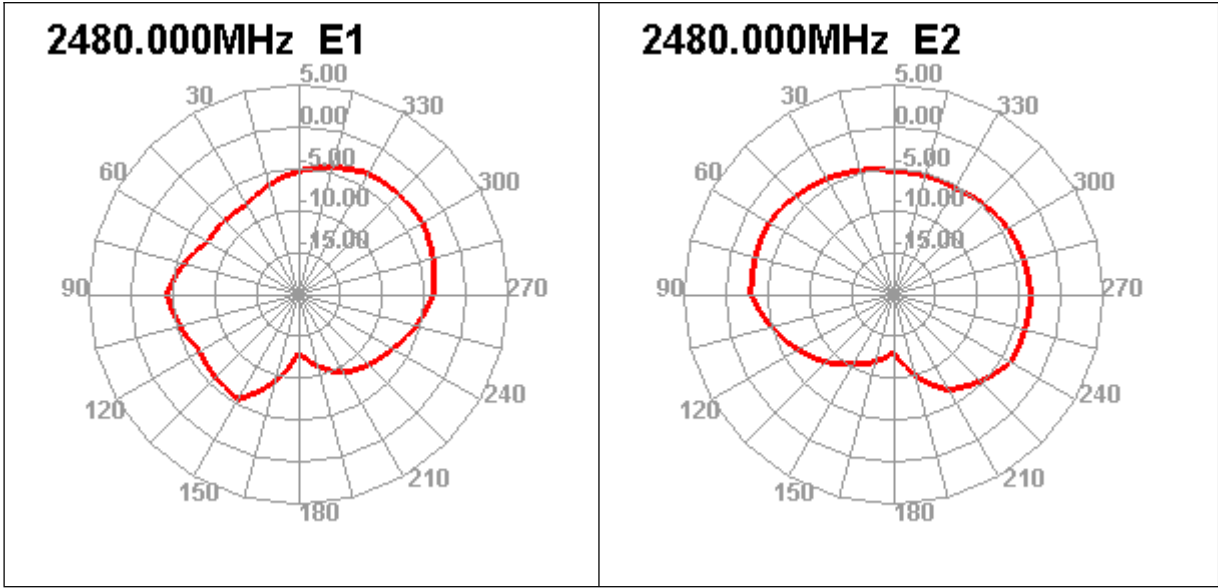


2440.000MHz E1



2440.000MHz E2





天线无源效率		
Frequency	E Total. dB(dBi)	Efficiency(%)
2400MHz	-2. 22	33. 81
2410MHz	-2. 09	34. 07
2420MHz	-2. 13	34. 07
2430MHz	-2. 35	33. 36
2440MHz	-2. 4	34. 04
2450MHz	-2. 51	34. 7
2460MHz	-2. 38	35. 52
2470MHz	-2. 78	33. 07
2480MHz	-2. 86	32. 51
2490MHz	-2. 39	35. 24
2500MHz	-2. 55	32. 49