

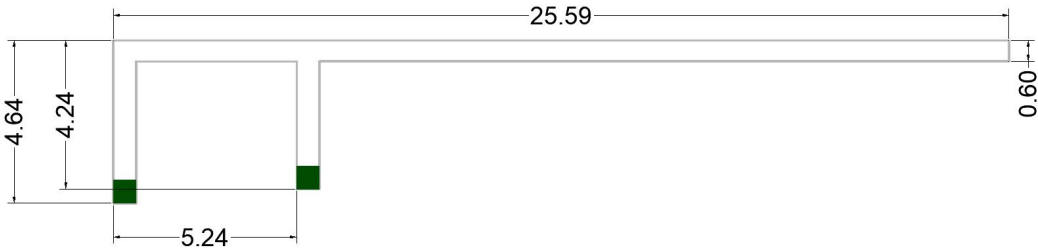
ANTENNA TEST REPORT

Product Name	CM920
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Summary

ITEM	SPEC.
Model Name	BT 2.4 GHz
MAX. GAIN	1.96dBi
Polarization	Horizontal
Impedance	50 Ω
Antenna Type	PCB antenna
Manufacturer	Ugreen Group Limited
Address	4th Floor, Building 6, Longcheng Industrial Zone, Longguan West Road, Longhua District, Shenzhen City, Guangdong Province

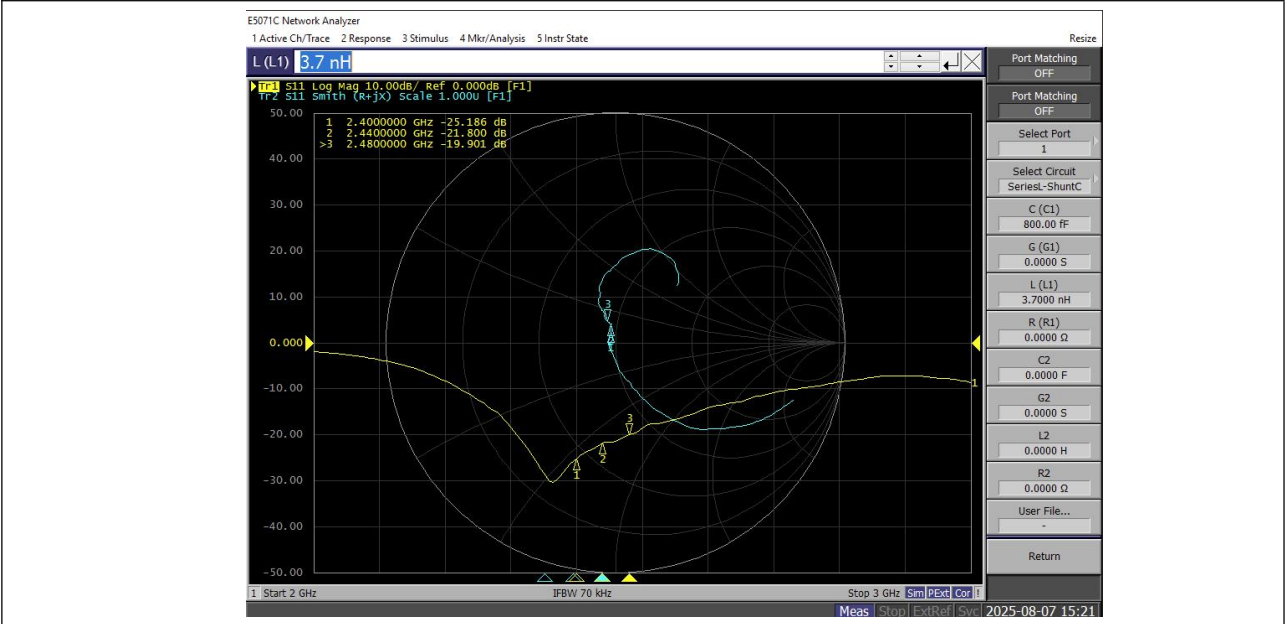
Antenna Photo & Length (mm)



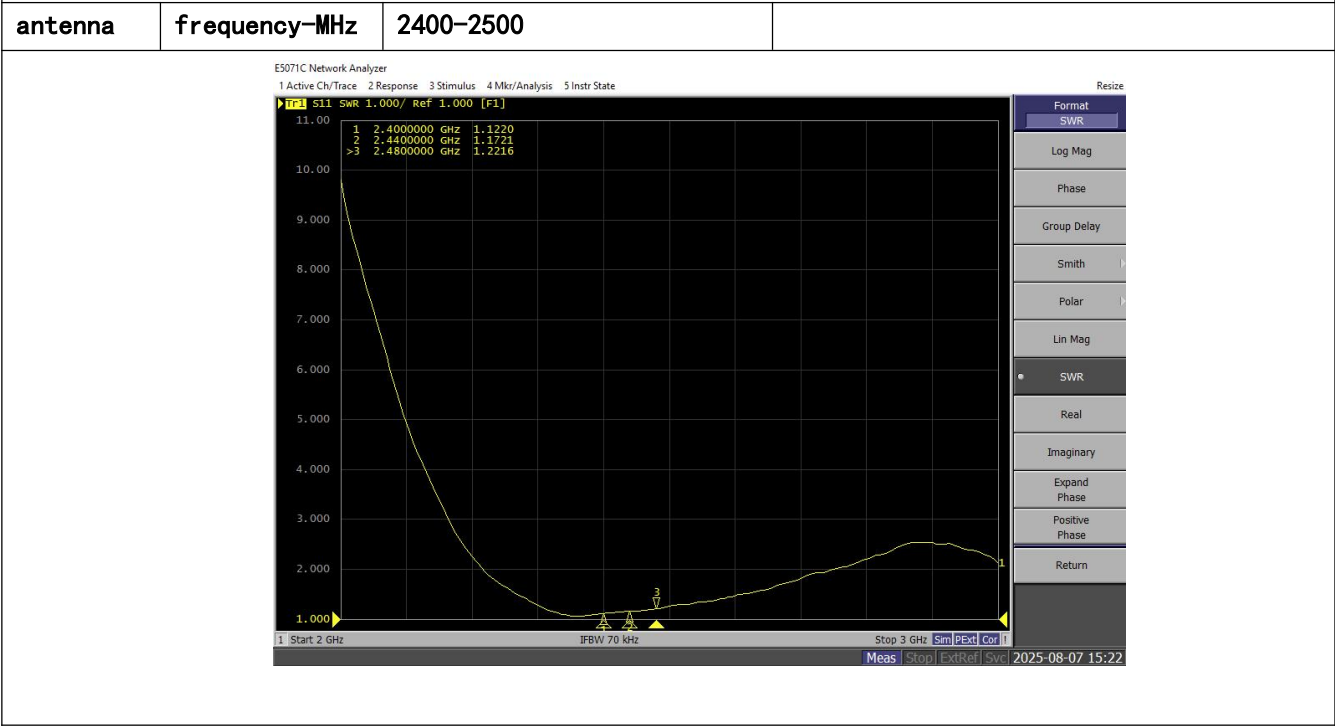
position number	①	②	③
numerical value	NC	4.7nH	0.8pF

Electrical performance test results						
Antenna specifications						
serial number	Inspection Item	unit	Performance indicator requirements	Test results		sentence
1	frequency range	MHz	2412-2483	2400-2483		OK
2	Gain	dBi	/	2400	1.06	
				2440	0.83	
				2480	1.75	
4	Return Loss	dB	≤-10	2400	-25.1	
				2440	-21.8	
				2480	-19.9	
4	Standing Wave Ratio	dB	/	2400	1.12	
				2440	1.17	
				2480	1.22	

Return Loss Log Mag S11		
antenna	frequency-MHz	2400-2500

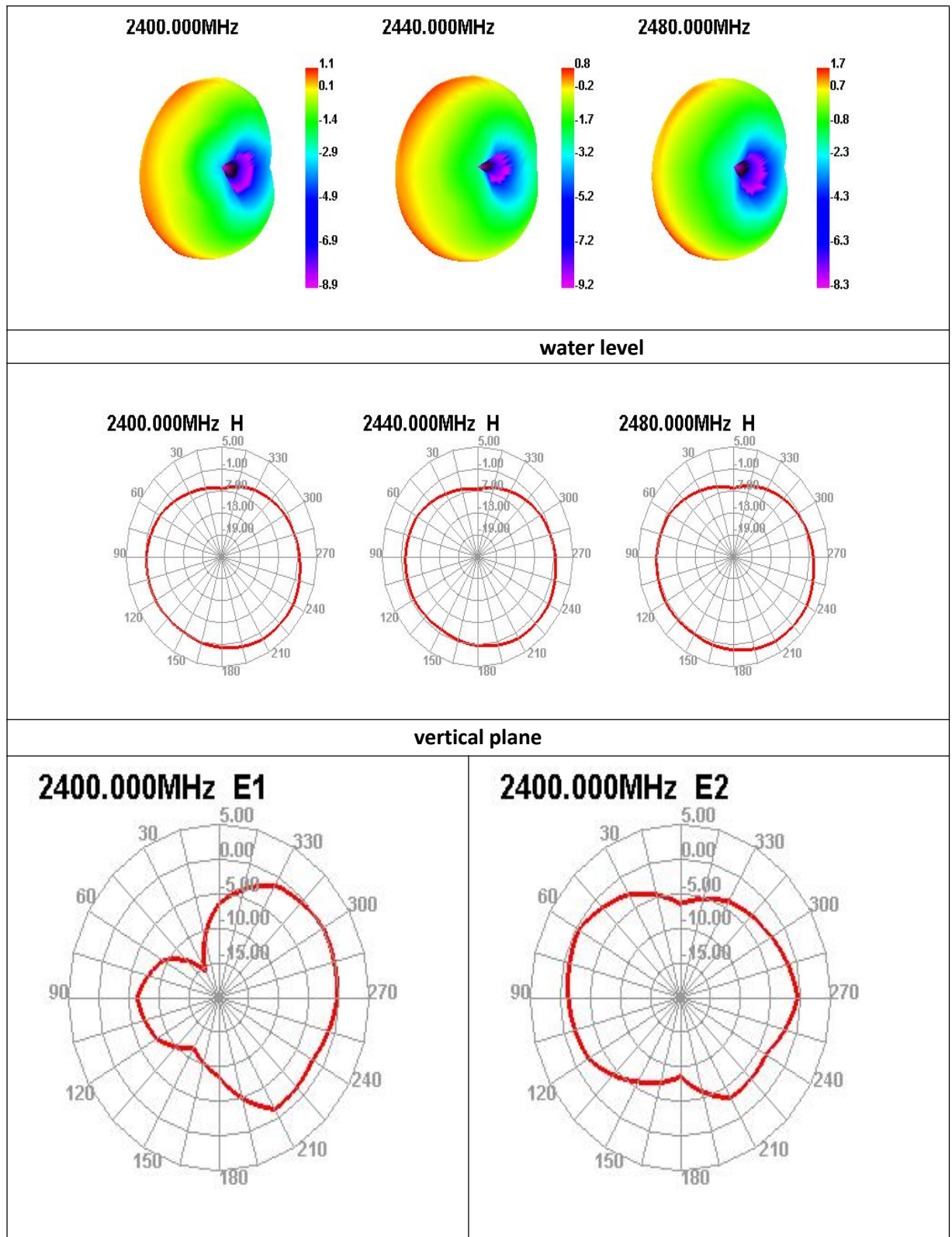


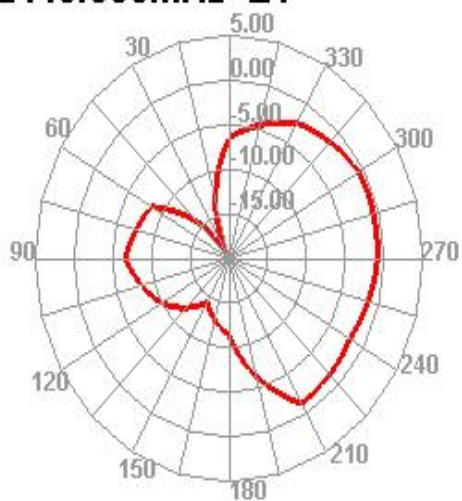
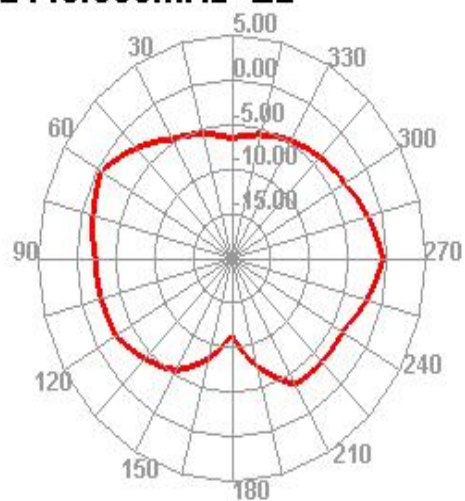
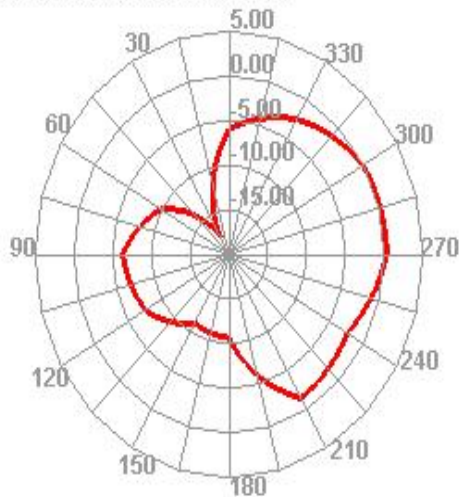
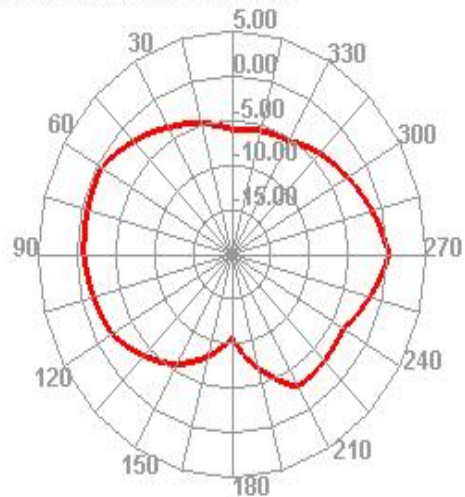
Standing Wave Ratio SWR



Radiation parameter testing

antenna
Radiation pattern (2.4G)



2440.000MHz E1**2440.000MHz E2****2480.000MHz E1****2480.000MHz E2**

Passive efficiency of antenna		
Frequency	E Total. dB(dBi)	Efficiency(%)
2400MHz	1.06	54.37
2410MHz	0.91	51.64
2420MHz	0.88	50.16
2430MHz	0.8	48.33
2440MHz	0.83	49.51
2450MHz	1.11	51.27
2460MHz	1.39	52.44
2470MHz	1.47	53.06
2480MHz	1.75	56.24
2490MHz	1.96	59.56
2500MHz	1.88	59.59