

ANTENNA TEST REPORT

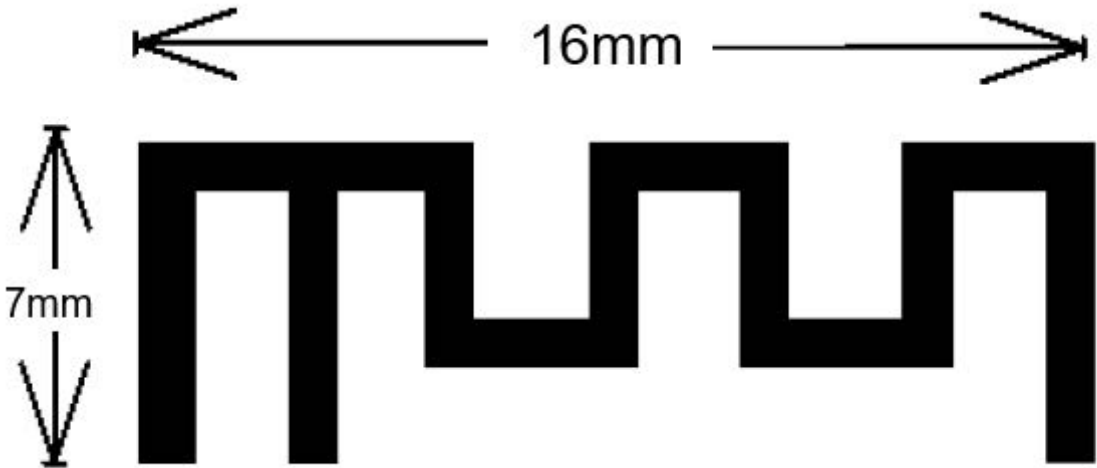
NAME	FT311
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Summary

ITEM	SPEC.
Model Name	BT 2.4 GHz
MAX. GAIN	0.58dBi
Polarization	Horizontal
Impedance	50 Ω
Antenna Type	Internal antenna
Manufacturer	NOVO (GUANGDONG) HIGH-TECH CO. LTD

No.7-1, Jiye Road, Leping Town, Sanshui District, Foshan City

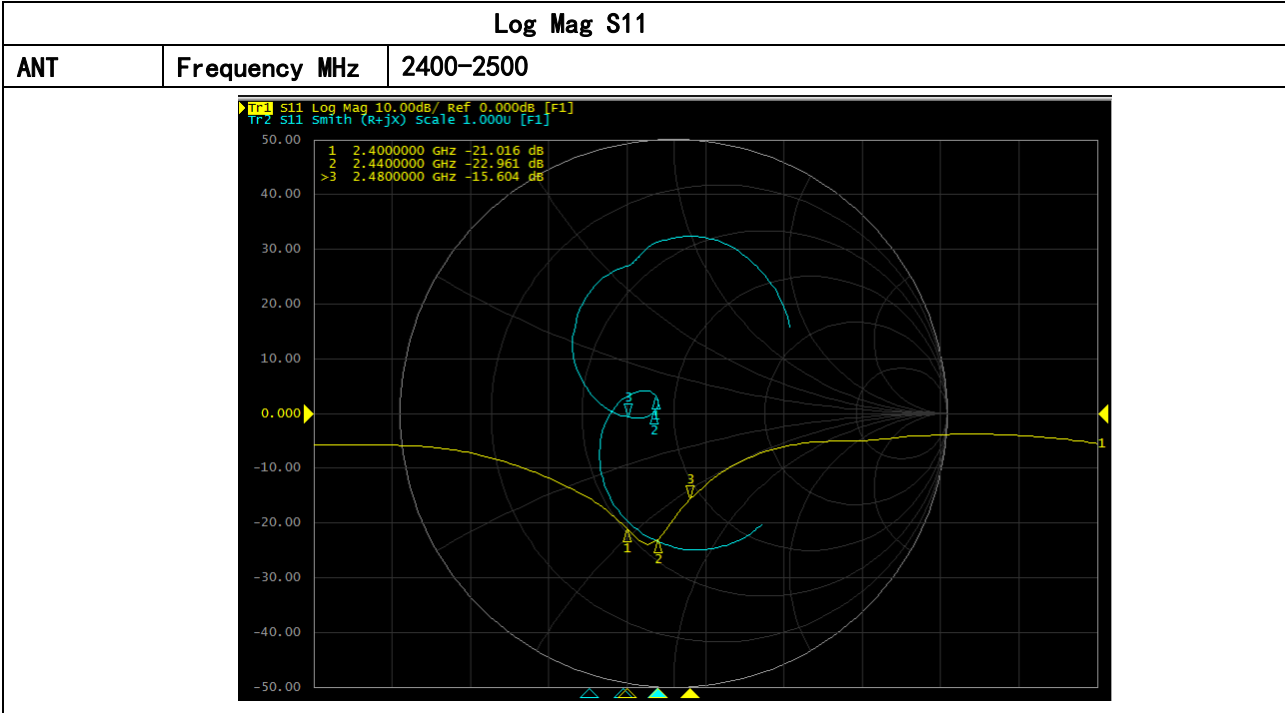
Antenna Photo & Length (mm)



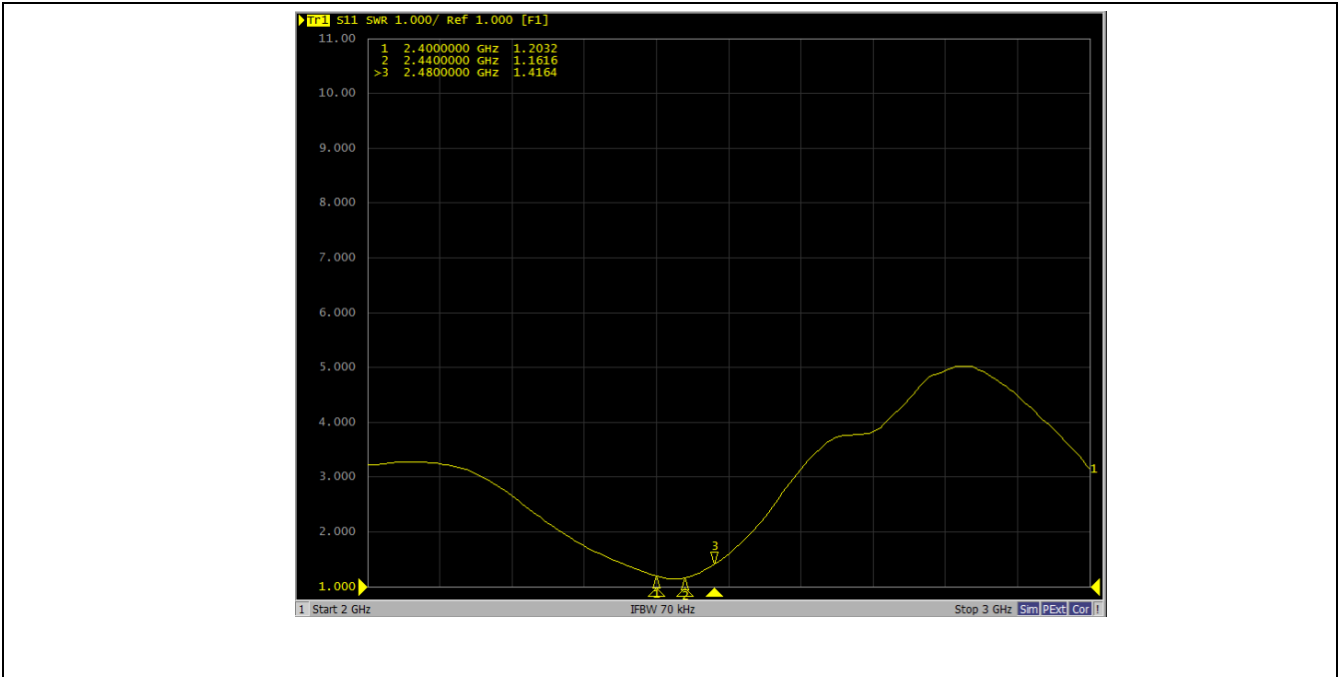
NOVO (GUANGDONG) HIGH-TECH CO.LTD
No.7-1, Jiye Road, Leping Town, Sanshui District, Foshan City

Electrical performance test results

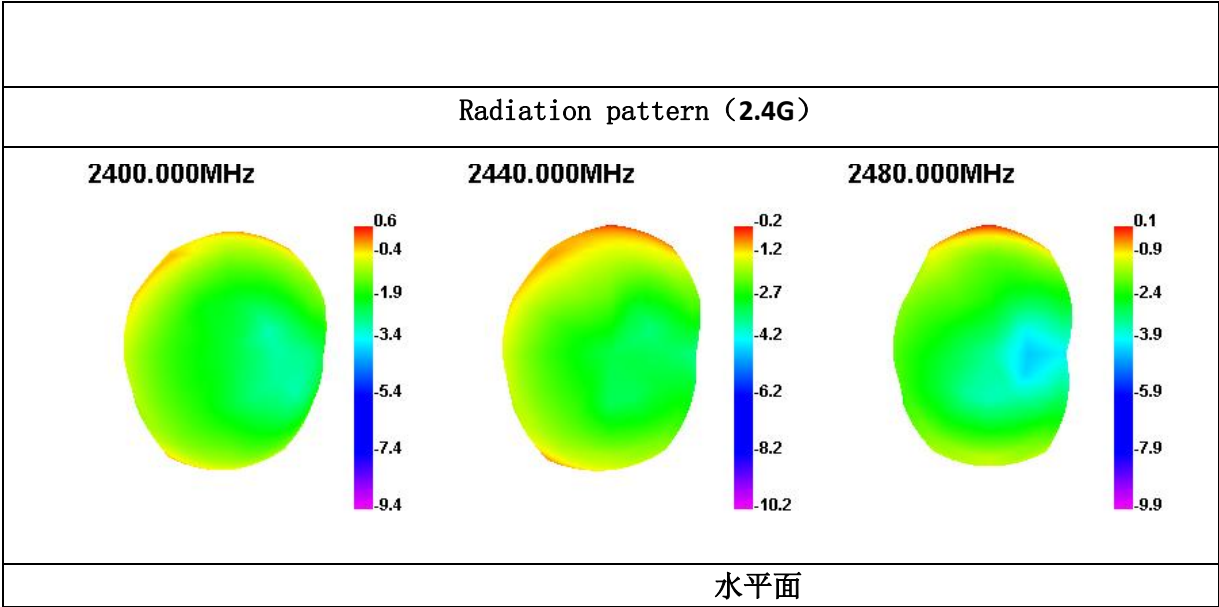
Antenna performance indicators						
NO	items	Unit	Performance indicators requirements	Test results		
1	Frequency range	MHz	2412-2483	2400-2483		OK
2	Gain	dBi	/	2400	0.58	
				2440	-0.23	
				2480	0.14	
4	Return loss	dB	≤ -10	2400	-21.0	
				2440	-22.9	
				2480	-15.6	
4	Standing wave ratio	dB	/	2400	1.2	
				2440	1.16	
				2480	1.41	



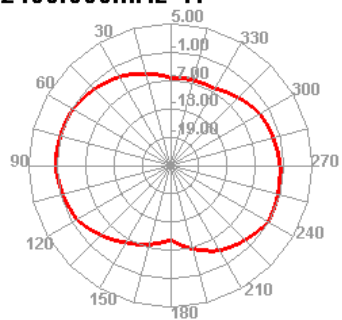
SWR		
	Frequency MHz	2400–2500



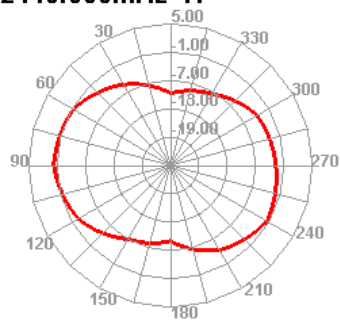
Radiation parameter test



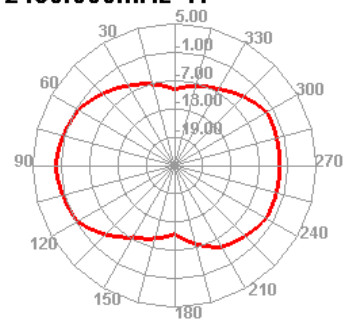
2400.000MHz H



2440.000MHz H

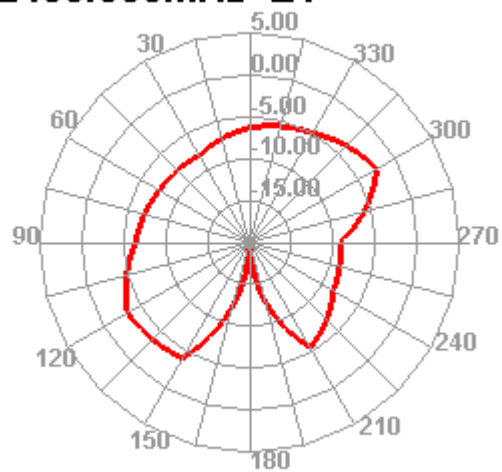


2480.000MHz H

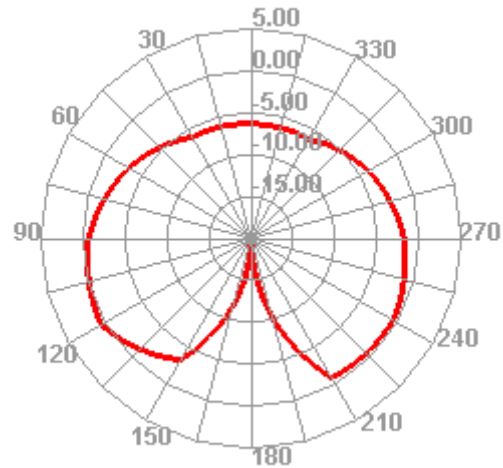


V

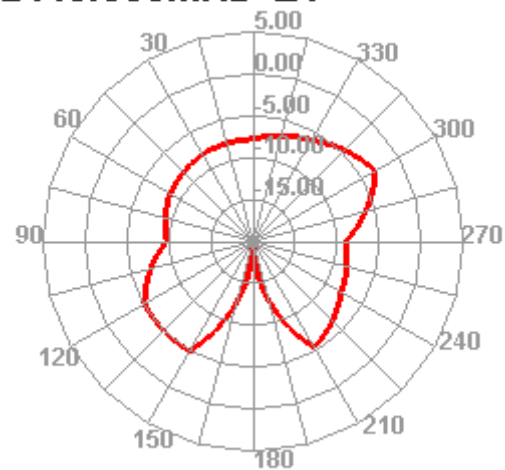
2400.000MHz E1



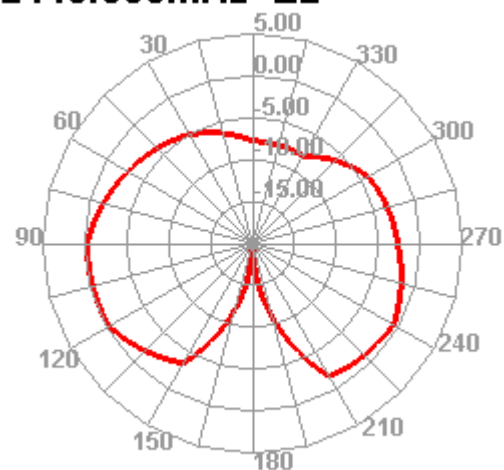
2400.000MHz E2



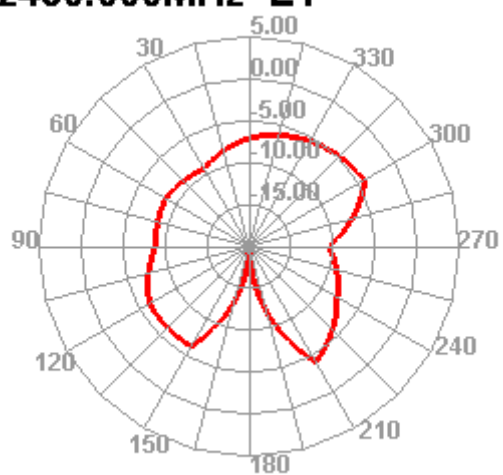
2440.000MHz E1



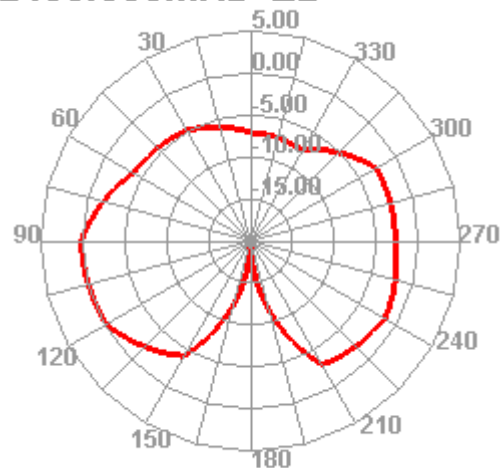
2440.000MHz E2



2480.000MHz E1



2480.000MHz E2



Antenna passive efficiency

Frequency	E Total. dB(dBi)	Efficiency(%)
2400MHz	0.58	47.32
2410MHz	0.06	44.49
2420MHz	0.06	44.28
2430MHz	-0.14	42.96
2440MHz	-0.23	42.31
2450MHz	0.03	42.4
2460MHz	0.17	41.59
2470MHz	0.21	40.92
2480MHz	0.14	40.3
2490MHz	0.28	41.86
2500MHz	0.06	39.81