

Shenzhen ATN communication equipment CO.,LTD.

Antenna Test Report

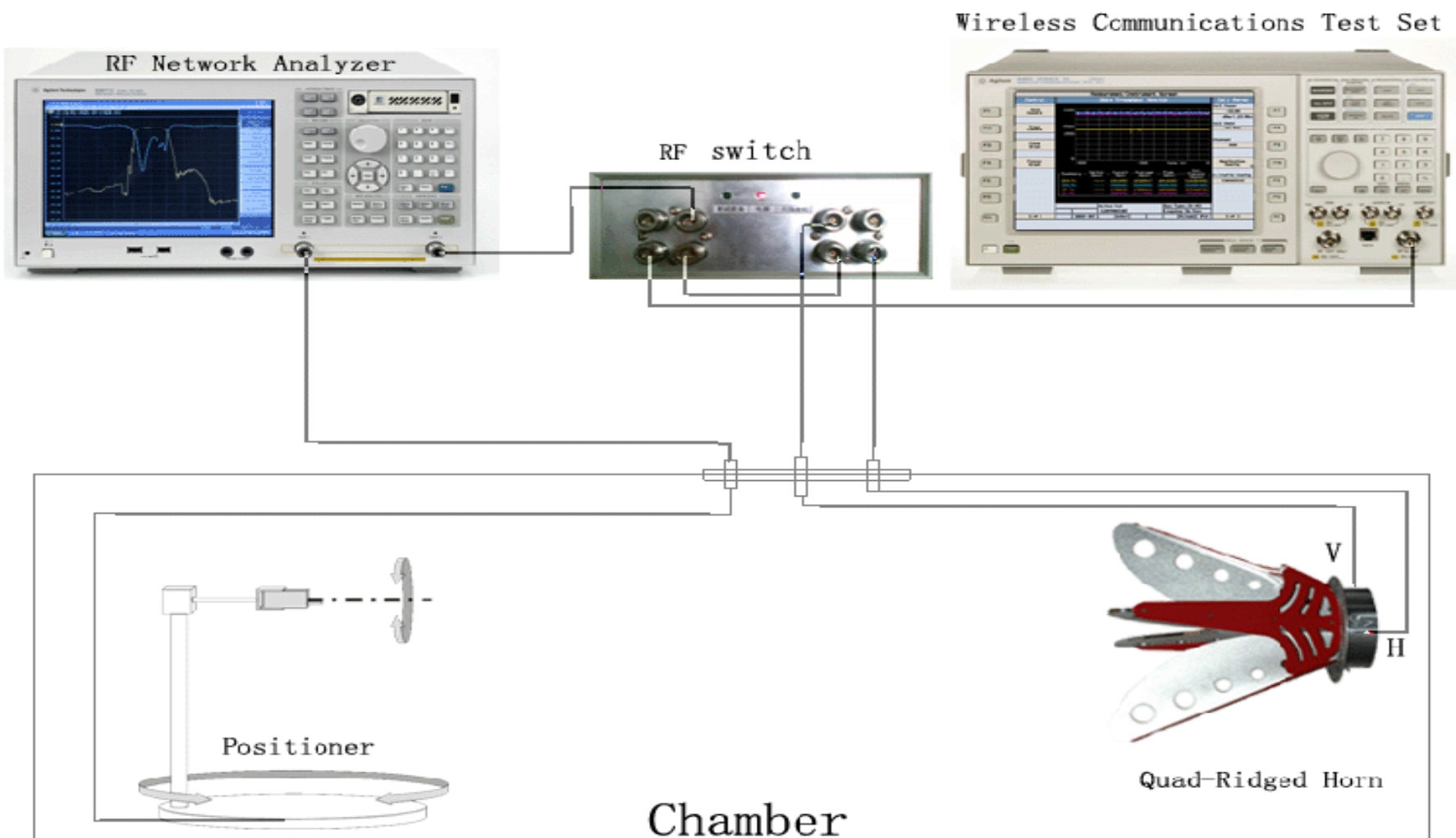
Customer	Candy House	Project	Doorsensor1	Date	2022.11.16
Frequency Band	2.4G-2.48G				
Version	V1.0				
Structure	PCB on-board Antenna				

Address: 504-505, XiaGu, Wonderful life creative valley, Xinan, Baoan, ShenZhen

Tel:0755-29308863

Fax: 0755-29308861

TEST SYSTEM



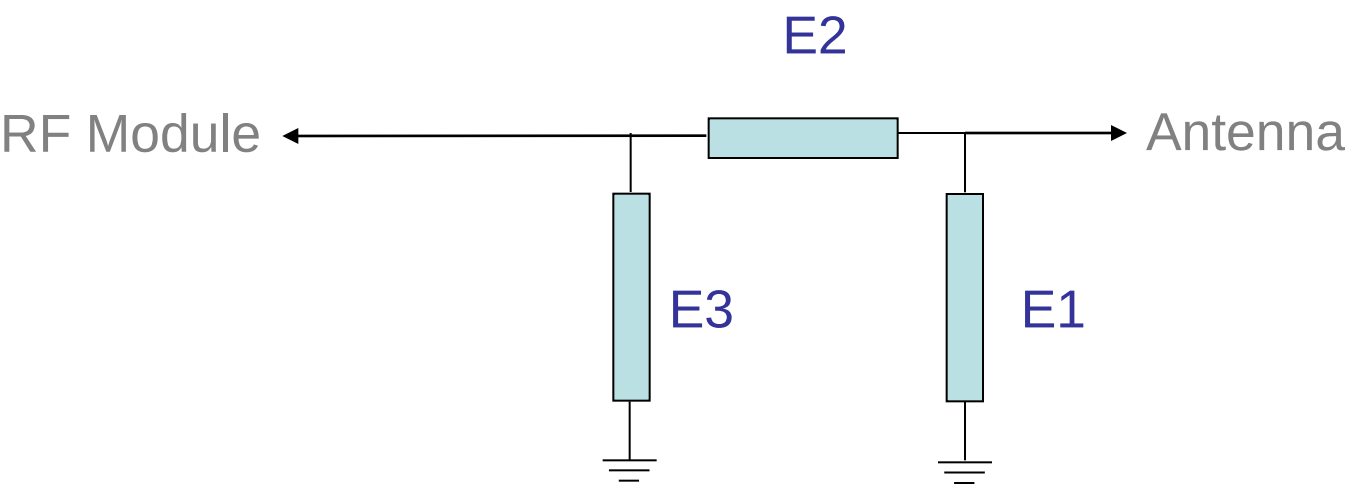
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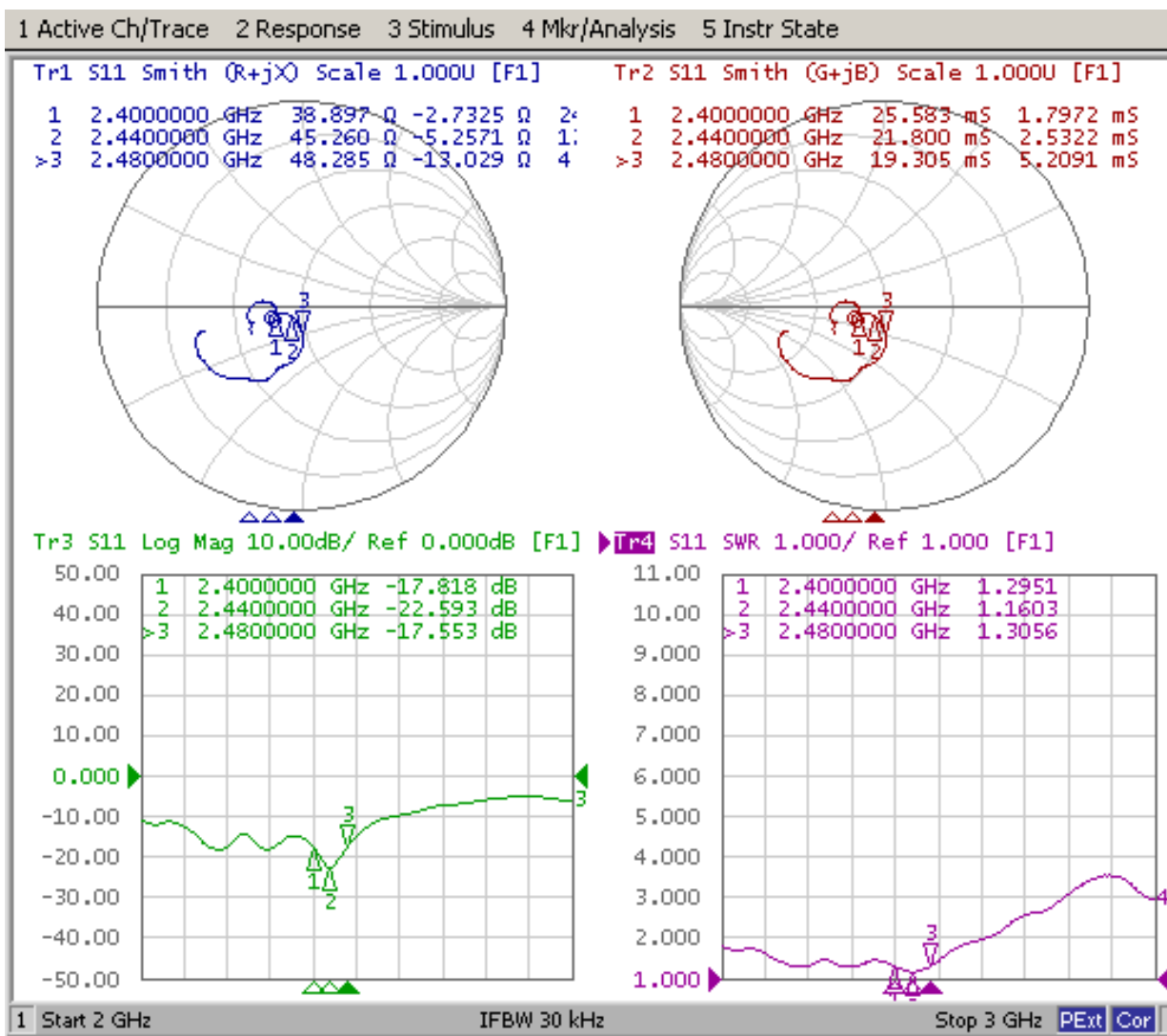
1. Matching circuit



Element	Value
E1(0201)	
E2(0201)	
E3(0201)	

2. Test Data Report

2.1 S11 Parameter

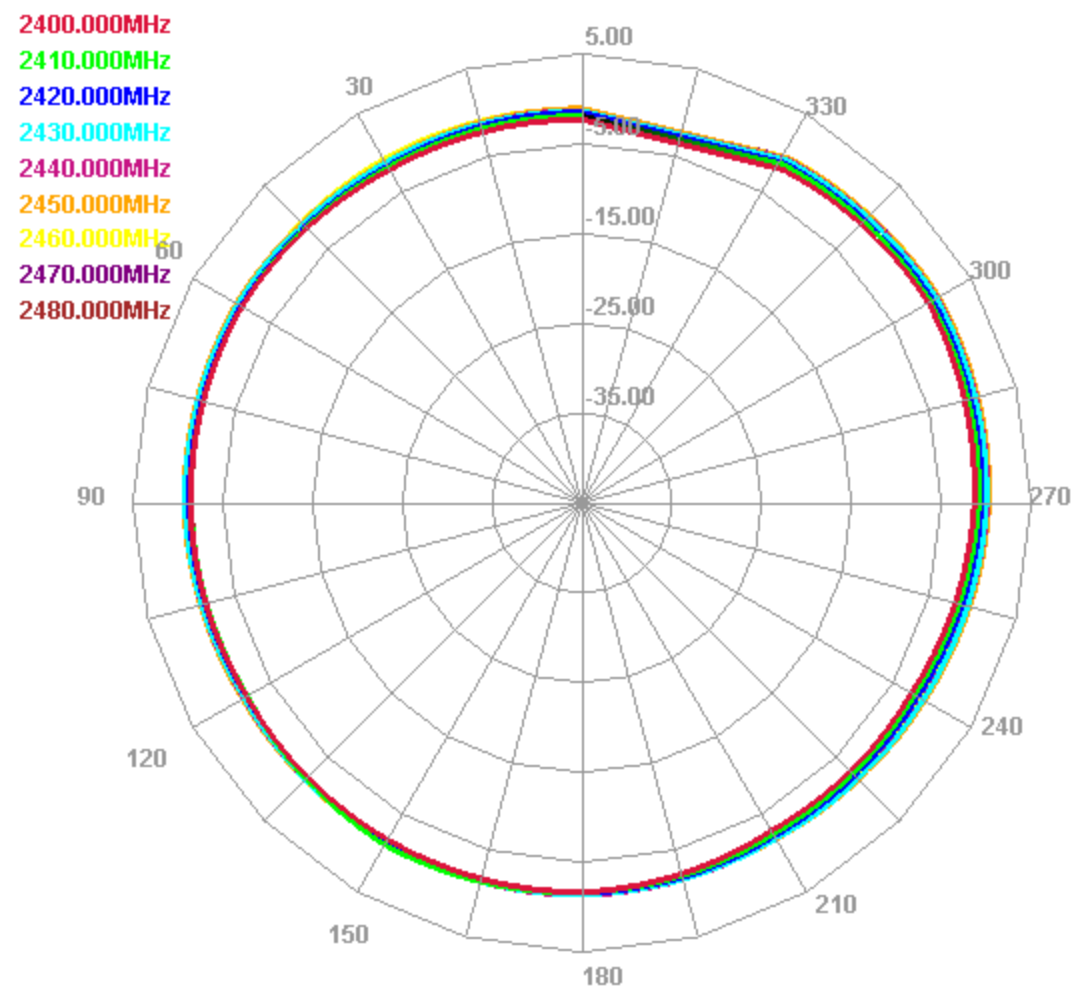


2.2 Gain & Efficiency

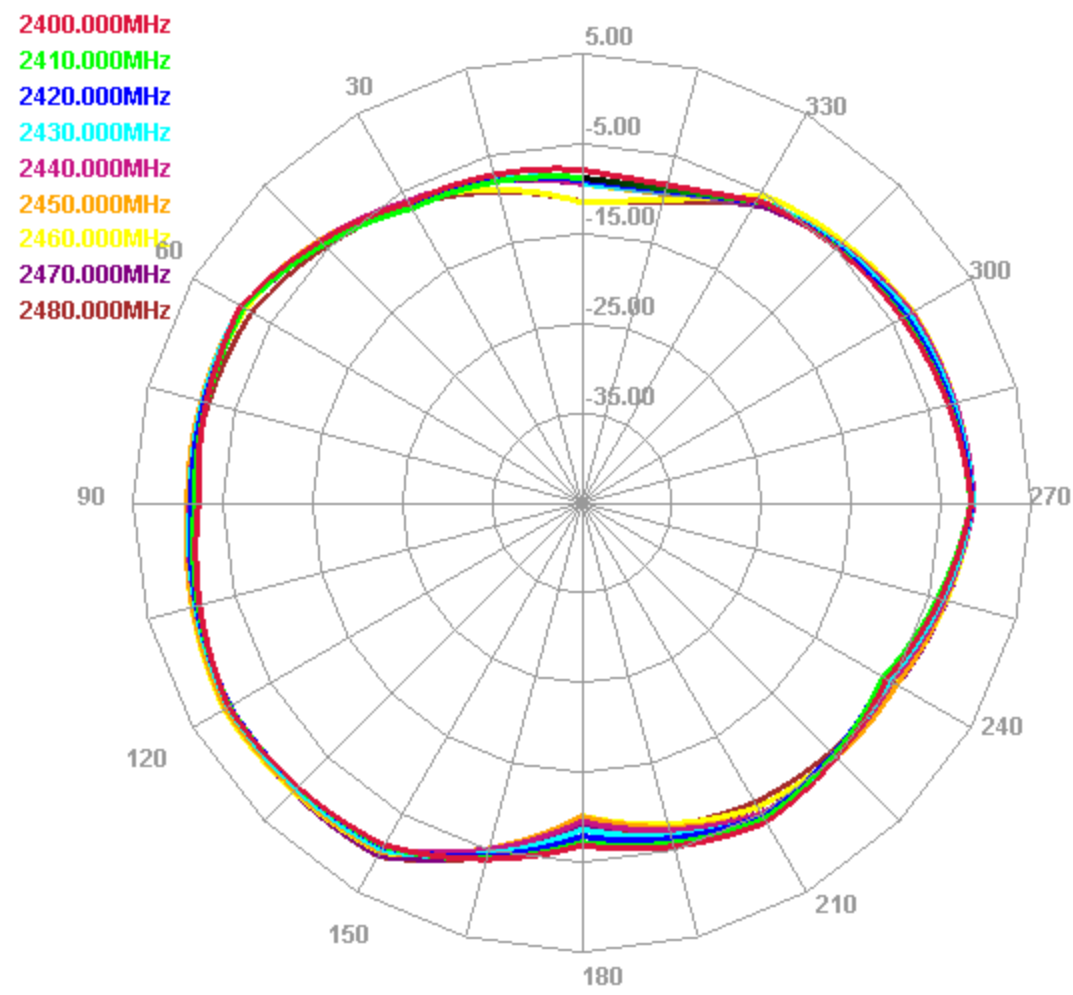
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	59.62	-2.25	1.29
2410	58.56	-2.32	1.05
2420	58.66	-2.32	0.8
2430	62.72	-2.03	1.21
2440	62.69	-2.03	1.18
2450	66.1	-1.8	1.48
2460	65.52	-1.84	1.32
2470	65.03	-1.87	1.24
2480	61.76	-2.09	0.98

2.3 Radiation pattern

Horizontal



E1 Face



E2 Face

