

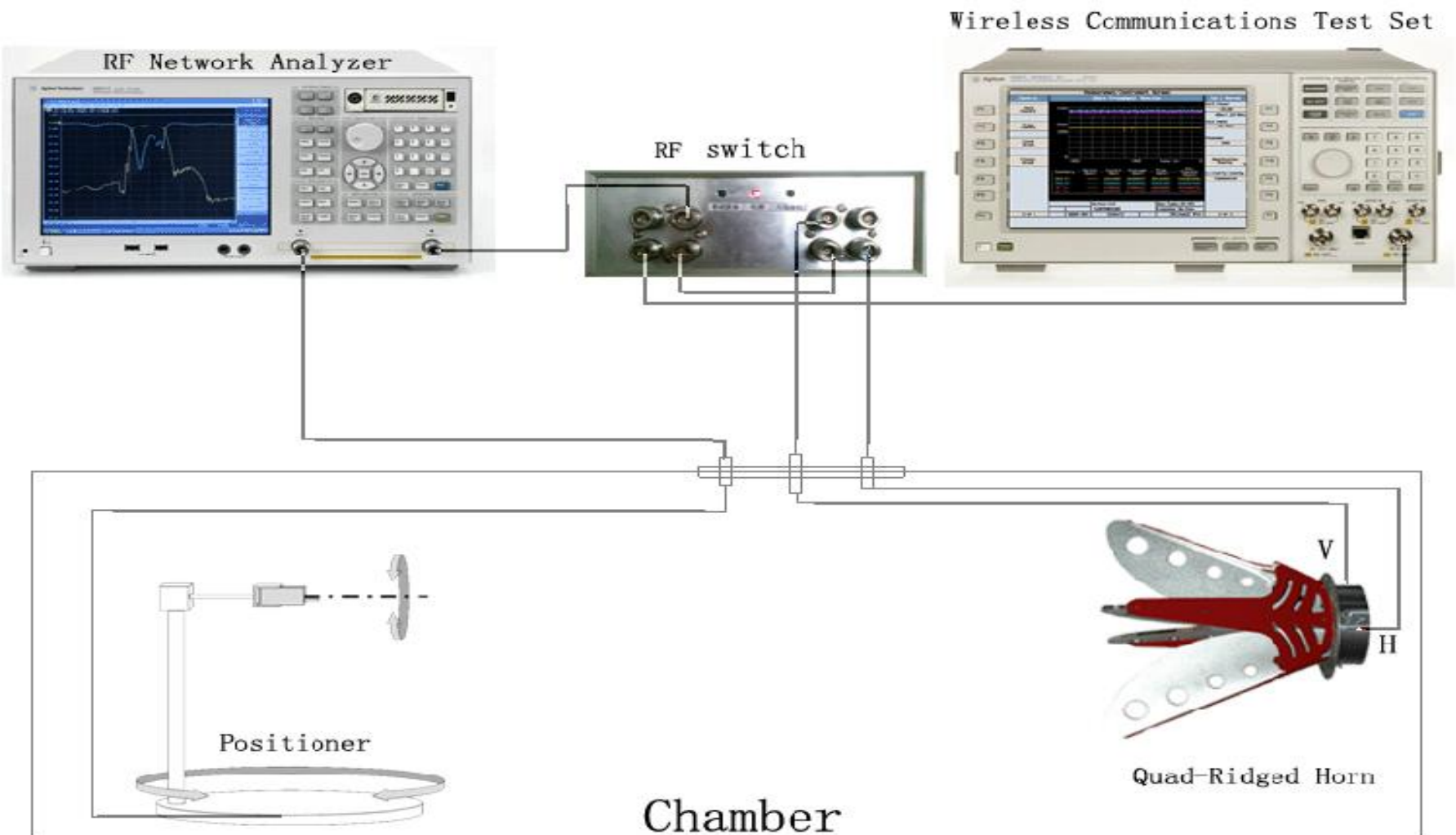
Shenzhen ATN communication co.,Ltd

Antenna Specification

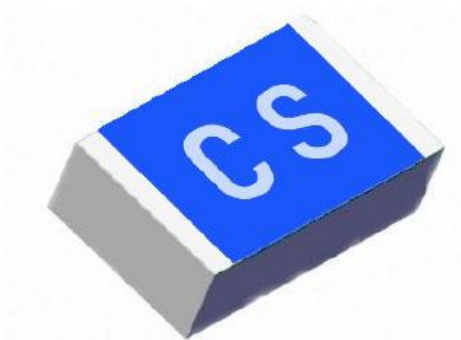
Customer:	jijia	Project name	T08	date	Feb 20, 2025
band	2.4G-2.48GHz				
Report version	V2.0				
Antenna type	Ceramic Antenna, Model:CS-2450-21-B				

Add:Room 505,Meisheng chuangu Xia Gu,Longchang Road,xin'an Sub-district,Bao'an District,Shenzhen City,Guangdong Province,China

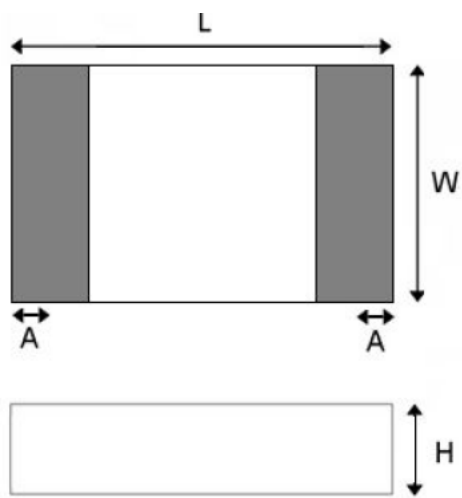
Test system



Antenna size



CS-2450-21-B

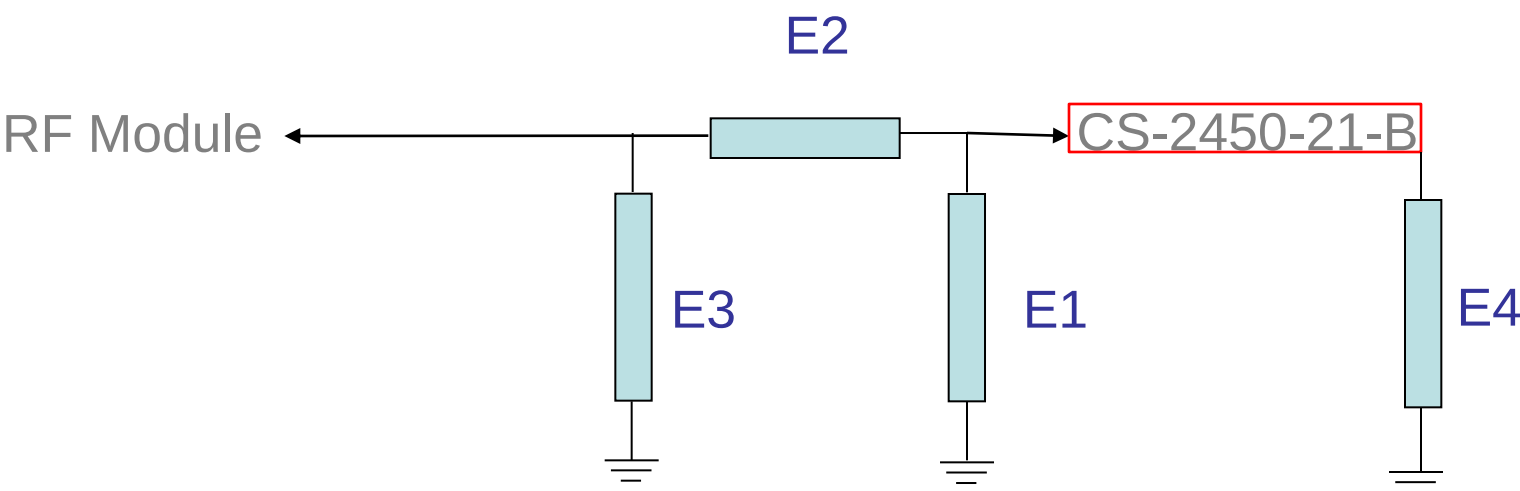


L	W	H	A
2.0±0.3	1.2±0.3	0.55±0.1	0.3 ±0.1

Catalog

1. Match circuit
2. Passive test data

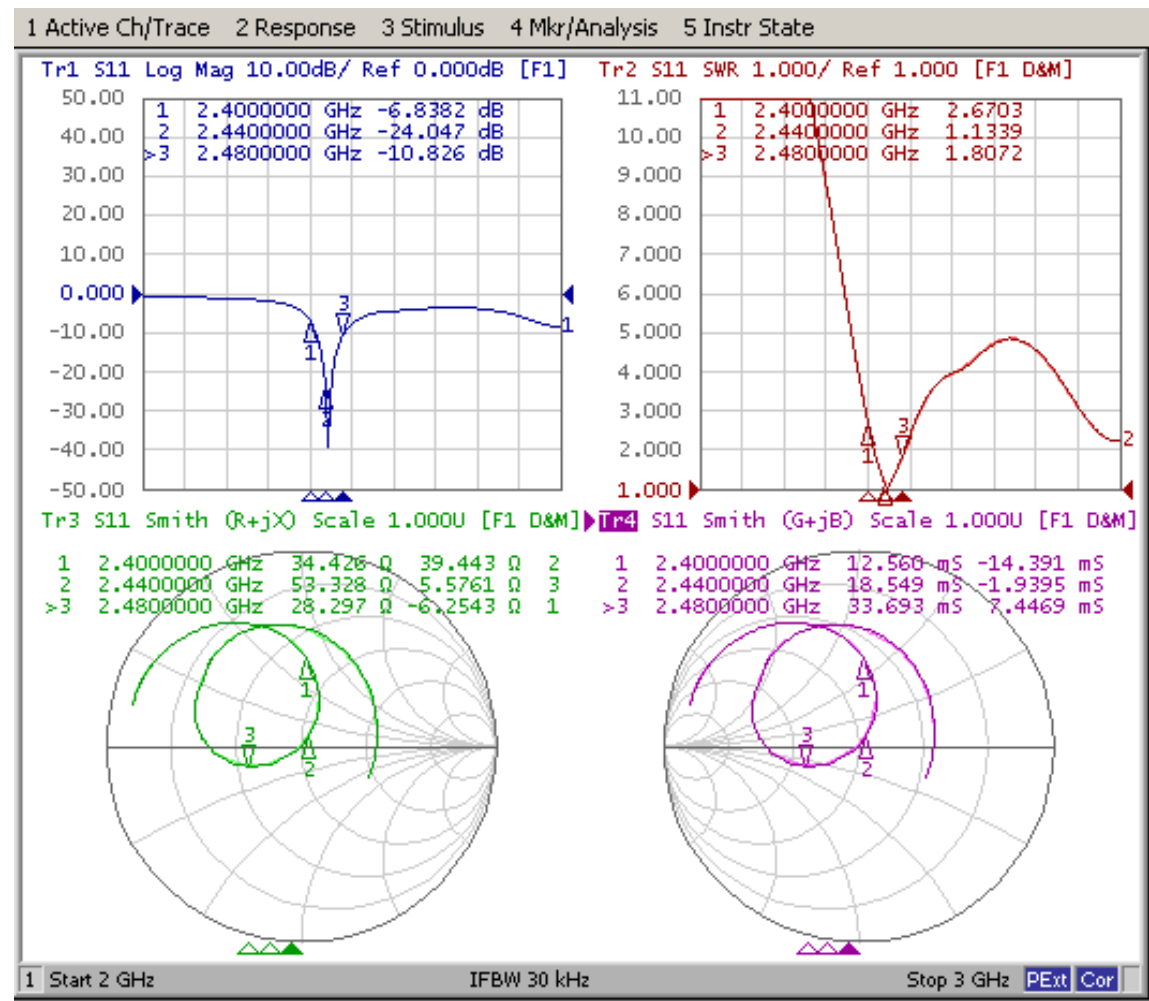
1.match circuit



Element	Value
E1(0201)	NC
E2(0201)	2.7 pF (murata/GRM)
E3(0201)	2.2pF (murata/GRM)
E4(0201)	2.0nH(murata/LQP)

2. Passive data

2.1 S11 Parameter



2.2 Gain & Efficiency

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	12.04	-9.19	-4.98
2410	12.73	-8.95	-4.53
2420	14.24	-8.46	-4.13
2430	16.26	-7.89	-3.43
2440	17.89	-7.47	-3.12
2450	19.56	-7.09	-2.52
2460	19.01	-7.21	-2.77
2470	20.53	-6.88	-2.3
2480	19.66	-7.06	-2.36

2.3 Radiation pattern(gain unit:dBi)

