

Antenna Sample Datasheet

customer:	Dongguan Ruiqin Electronics Co., Ltd.
entry name:	RK076-L
Material category:	BT antenna
Antenna Type	Monopole
Antenna Material	FPC
Date:	2025. 7. 18

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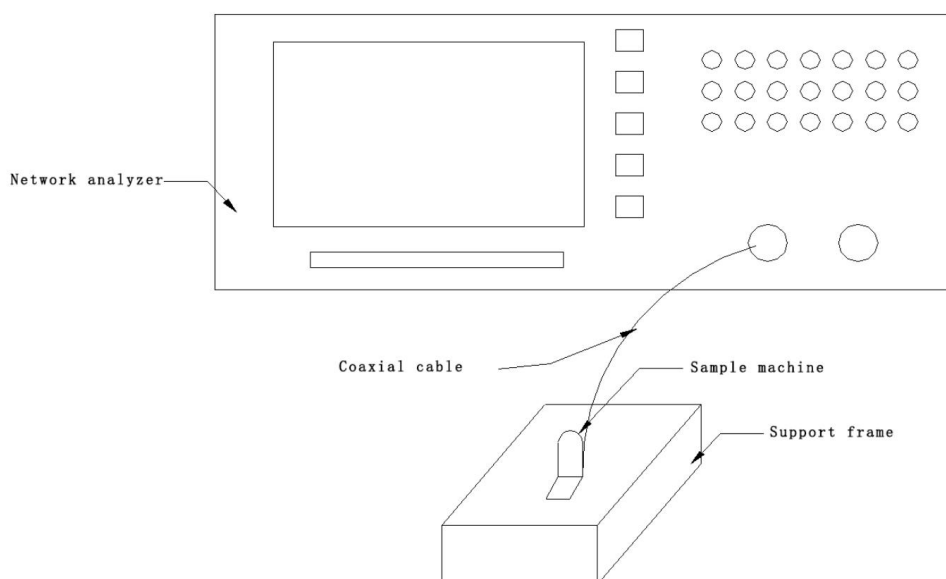
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1: Antenna test equipment

List of meters: Agilent 5071B;

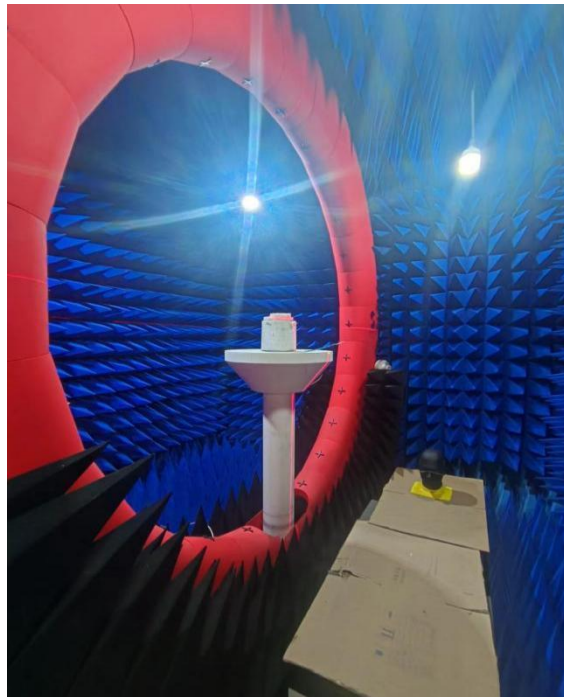


1.1The principle diagram of the ETS anechoic chamber



Picture1.Antenna static test connection method

1.2 Pictures of the ETS anechoic chamber



Inside the ETS anechoic chamber



Test Machine

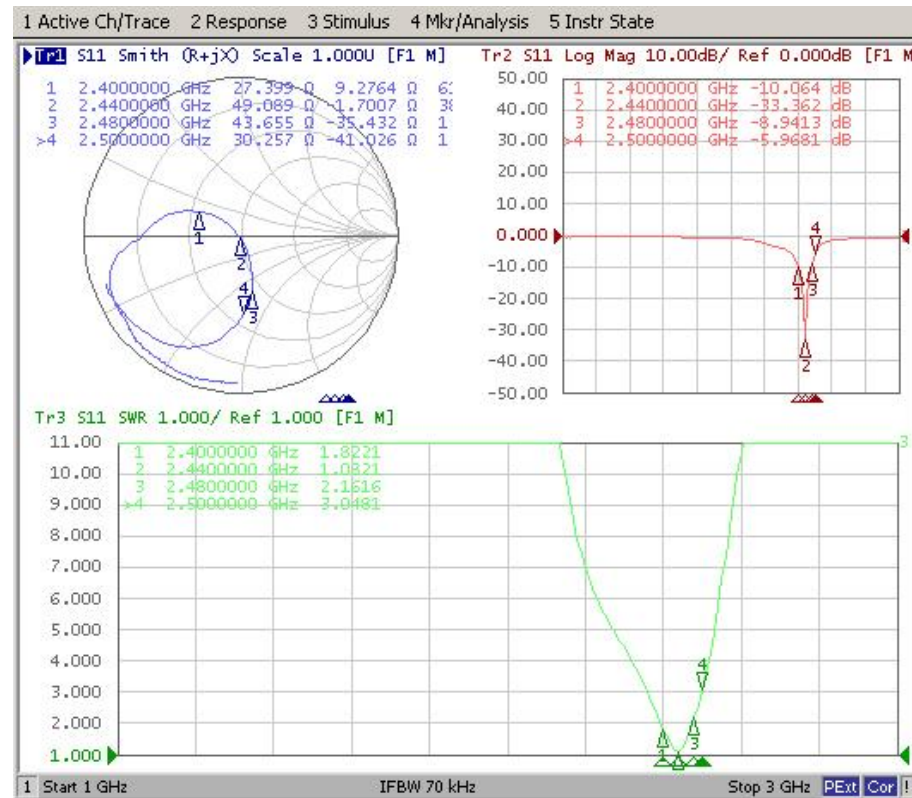
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2: Passive test report

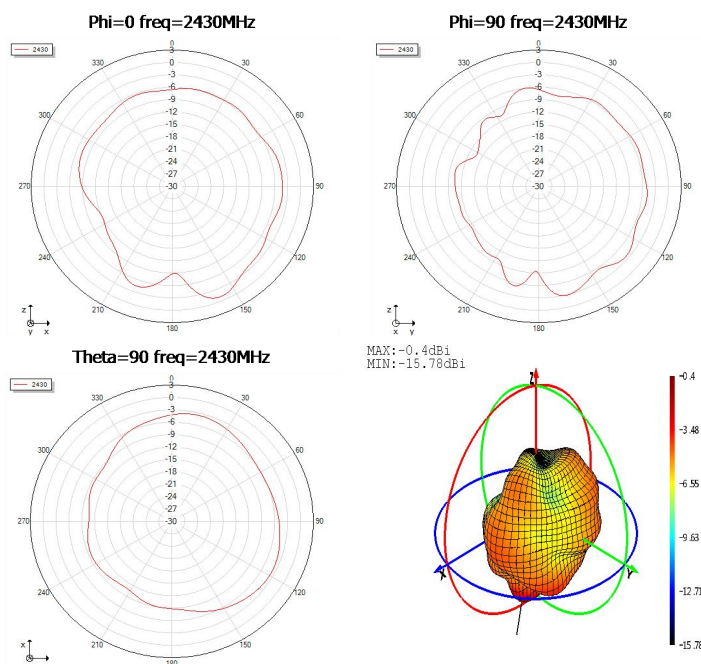
2.1: BT antenna S11 parameters



2.2: Passive efficiency of antenna

2400-2480MHz		
Freq(MHz)	Gain(dBi)	Efficiency(%)
	free space	free space
2400	-0.88	42.03
2410	-0.72	42.80
2420	-0.56	43.61
2430	-0.40	43.05
2440	-0.59	42.03
2450	-0.65	41.19
2460	-0.62	40.89
2470	-1.24	37.50
2480	-2.04	36.63
Mean value	-0.86	41.08

2.3: Passive pattern of BT antenna

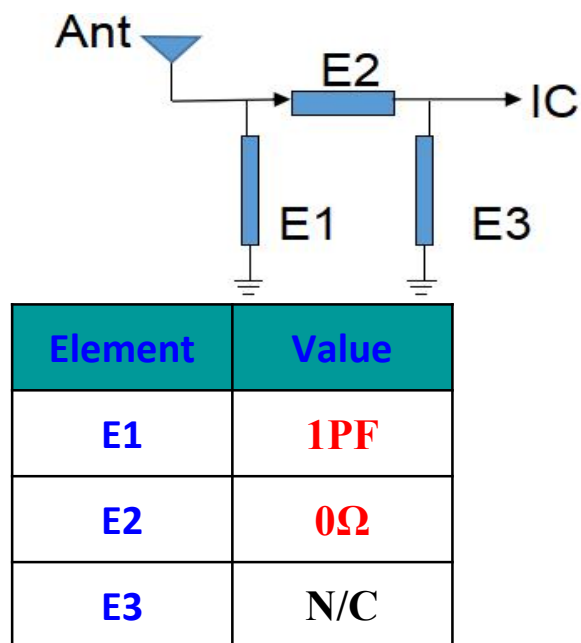


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3: Matching circuit



4: Structural drawing

