

Antenna Sample Datasheet

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

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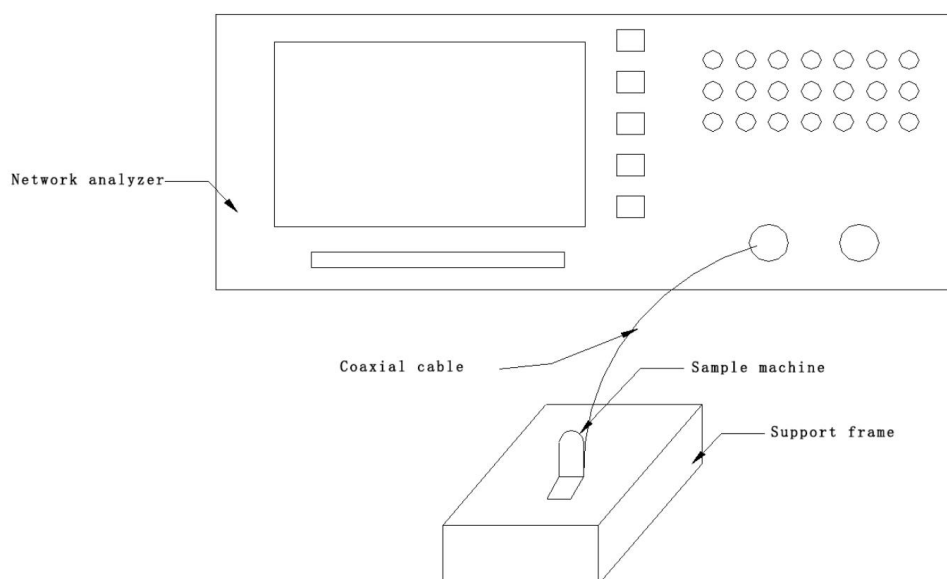
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1: Antenna test equipment

List of meters: Agilent 5071B;

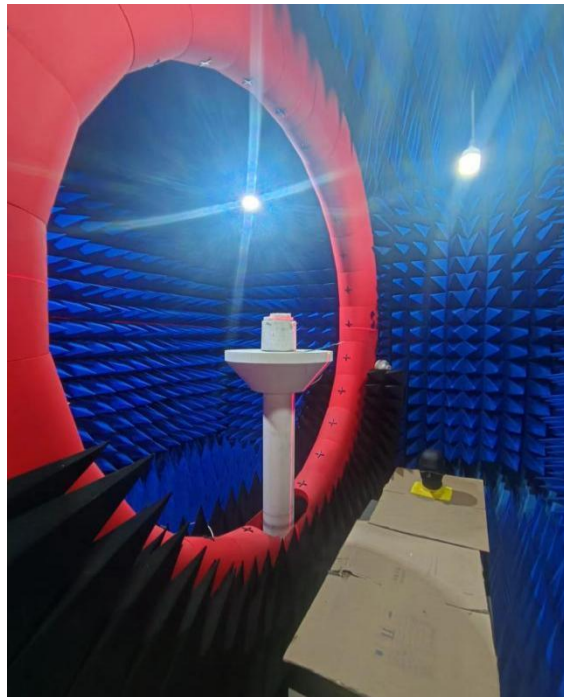


1.1The principle diagram of the ETS anechoic chamber



Picture1.Antenna static test connection method

1.2 Pictures of the ETS anechoic chamber



Inside the ETS anechoic chamber



Test Machine

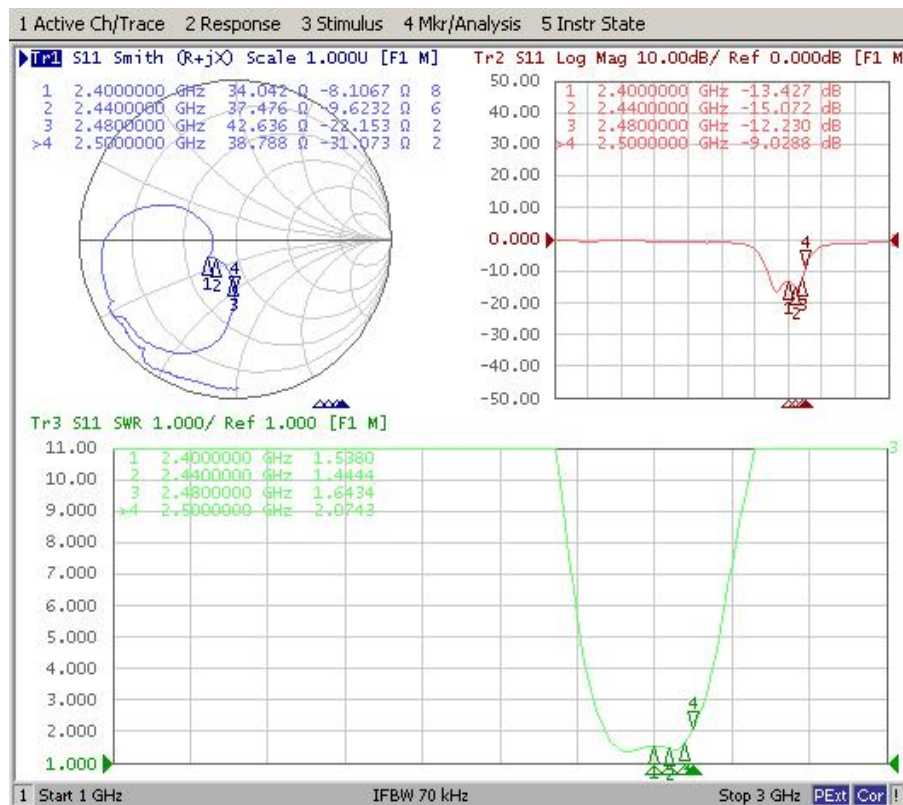
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2: Passive test report

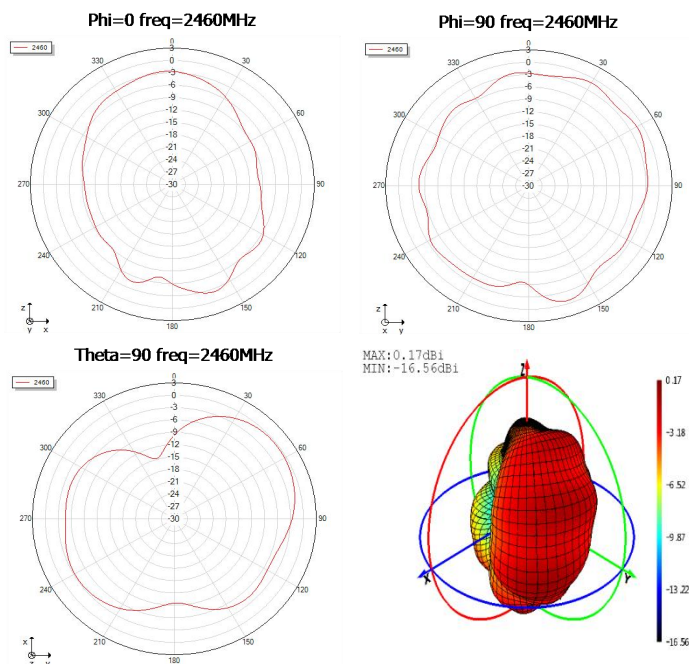
2.1: BT antenna S11 parameters



2.2: Passive efficiency of antenna

2400-2480MHz		
Freq(MHz)	Gain(dBi)	Efficiency(%)
	free space	free space
2400	0.08	42.81
2410	-0.24	43.04
2420	-0.14	41.75
2430	-0.02	44.80
2440	0.03	45.27
2450	0.14	44.97
2460	0.17	43.45
2470	-0.26	44.18
2480	-0.82	43.77
Mean value	-0.12	43.78

2.3: Passive pattern of BT antenna

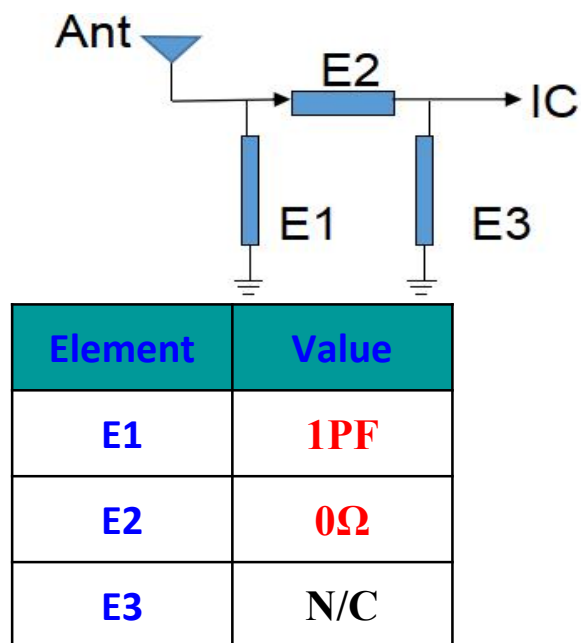


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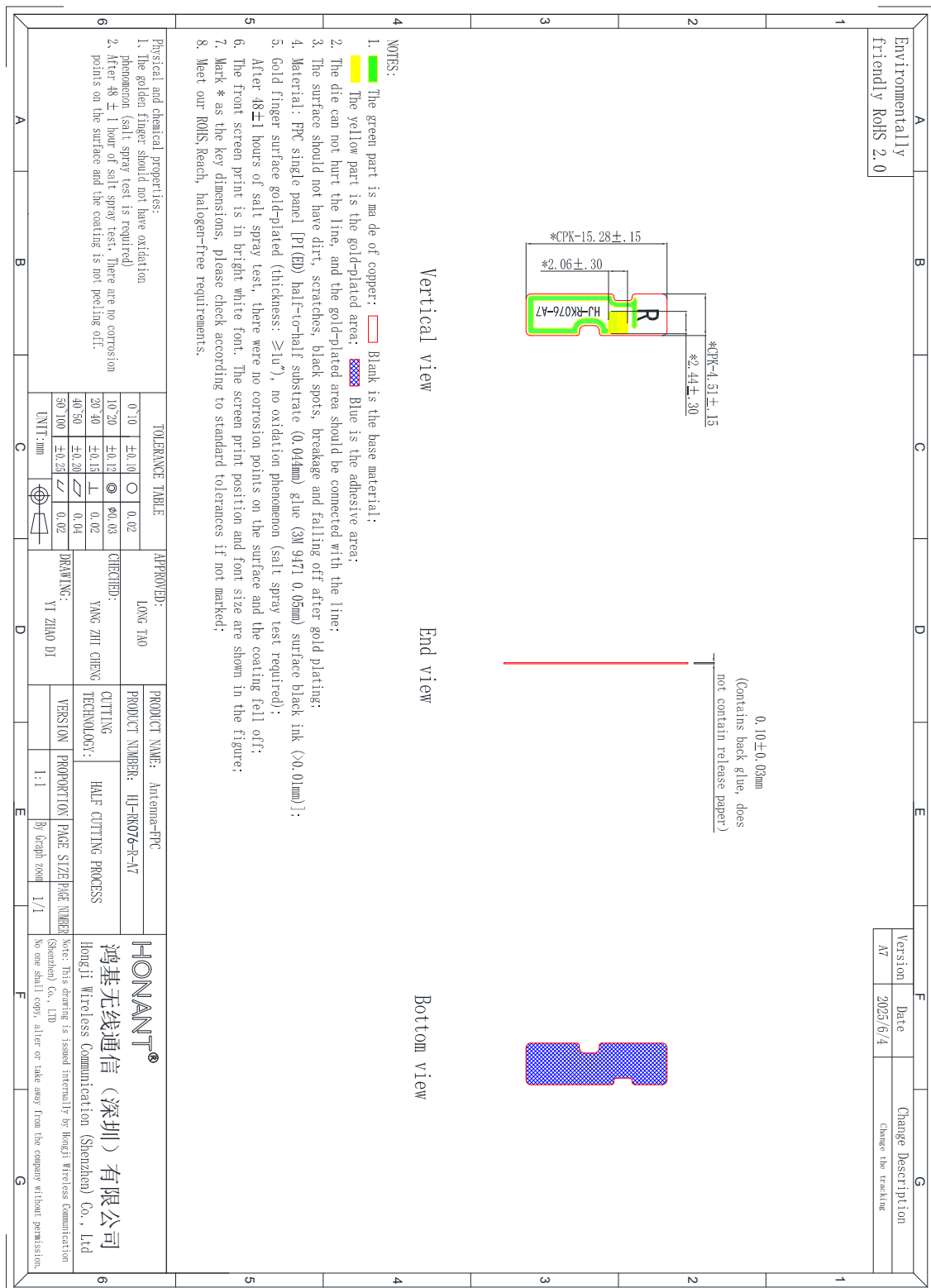
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3: Matching circuit



4: Structural drawing



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