

Antenna Sample Datasheet

customer:	Shanghai Evoiot Intelligent Technology Co., LTD
entry name:	EJ-1010-R
Material category:	BT antenna
Antenna Type	Monopole
Antenna Material	FPC
edition:	A6
Date:	2024. 9. 18

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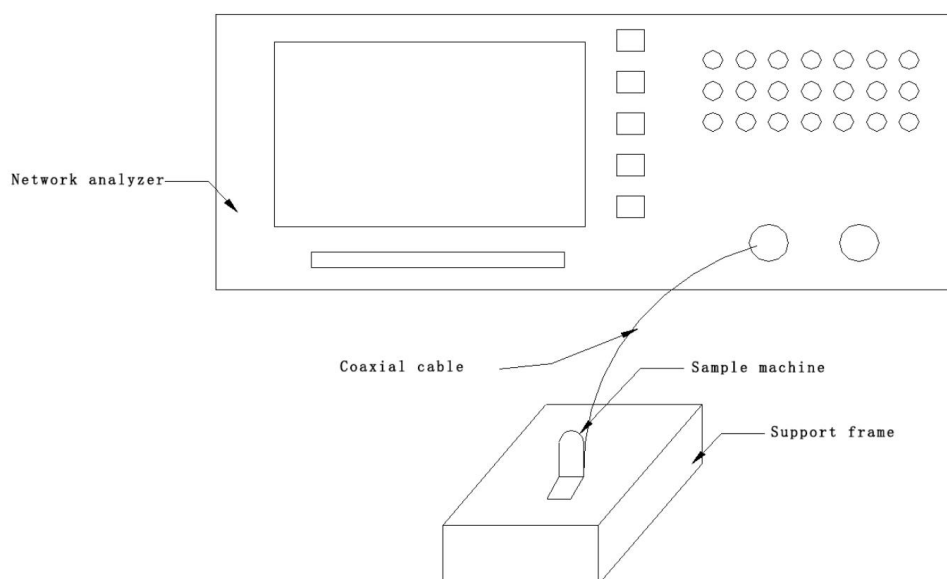
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1: Antenna test equipment

List of meters: Agilent 5071B;

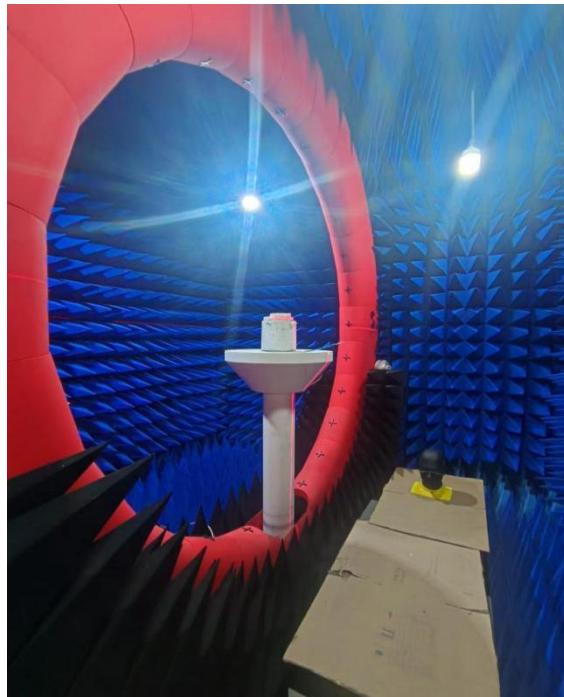


1.1The principle diagram of the ETS anechoic chamber



Picture1.Antenna static test connection method

1.2 Pictures of the ETS anechoic chamber



Inside the ETS anechoic chamber



Test Machine

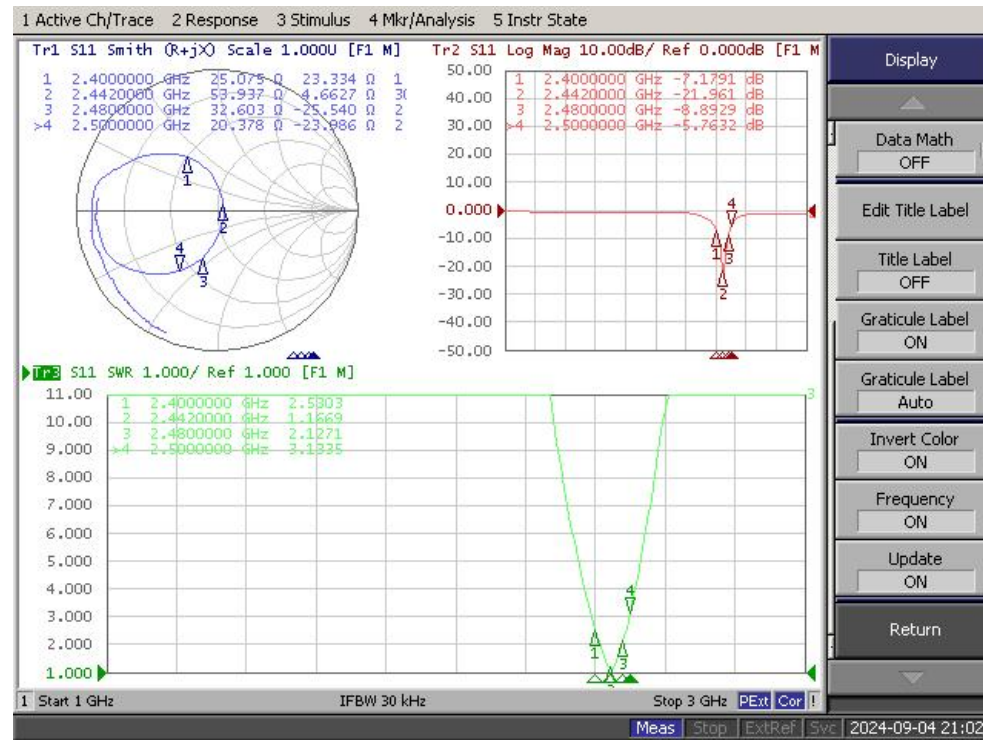
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2: Passive test report

2.1: BT antenna S11 parameters



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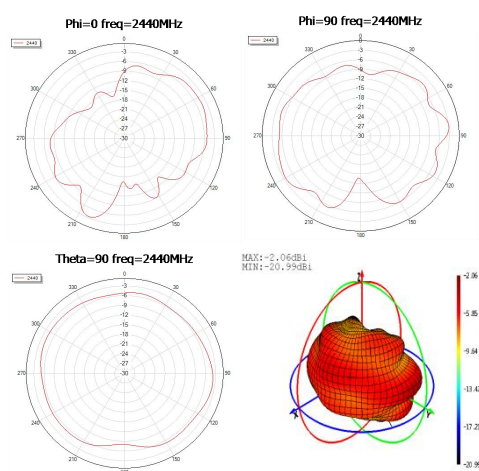
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2.2: Passive efficiency of antenna

2400-2480MHz		
Freq(MHz)	Gain(dBi)	Efficiency(%)
	free space	free space
2400	-1.37	23.00
2410	-1.43	21.99
2420	-1.60	22.22
2430	-1.21	23.57
2440	-1.13	24.91
2450	-1.42	23.45
2460	-1.66	21.32
2470	-1.78	19.83
2480	-1.85	18.73
Mean value	-1.49	22.11

2.3: Passive pattern of BT antenna

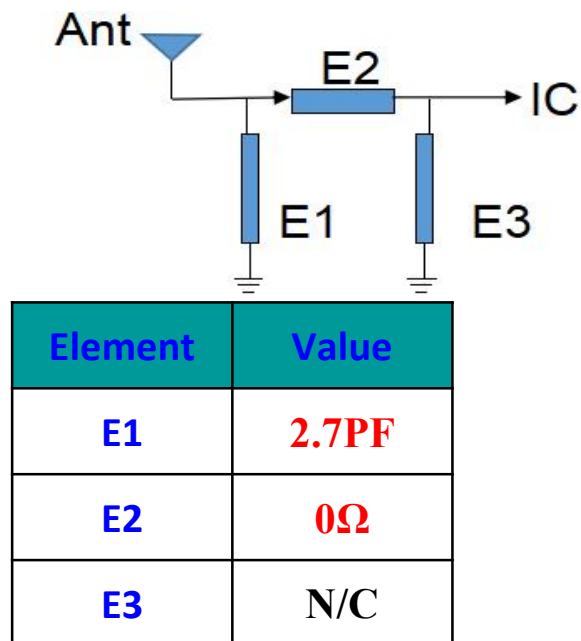


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3: Matching circuit



4: Structural drawing

