

Antenna Sample Datasheet

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

Contents

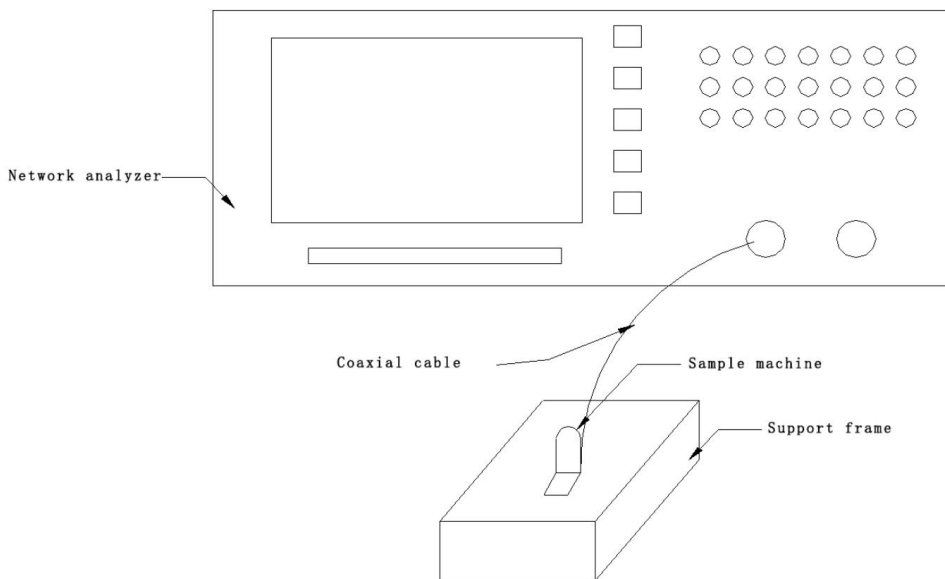
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1: Antenna test equipment

List of meters: Agilent 5071B;

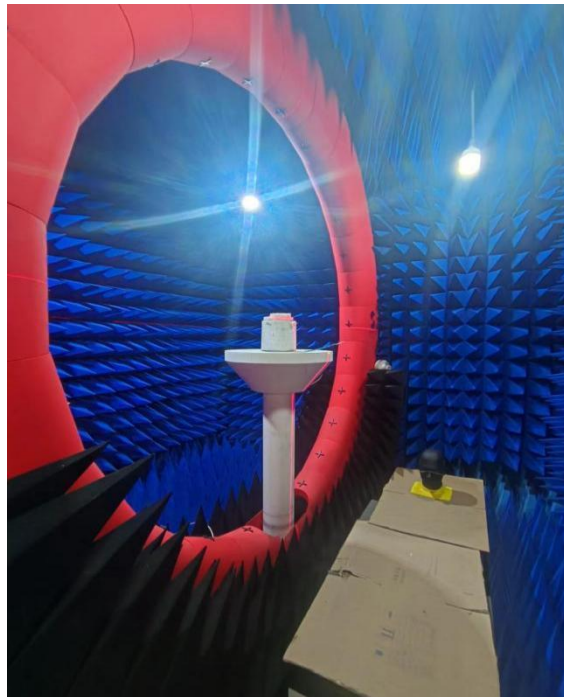


1.1 The principle diagram of the ETS anechoic chamber



Picture1.Antenna static test connection method

1.2 Pictures of the ETS anechoic chamber



Inside the ETS anechoic chamber



Test Machine

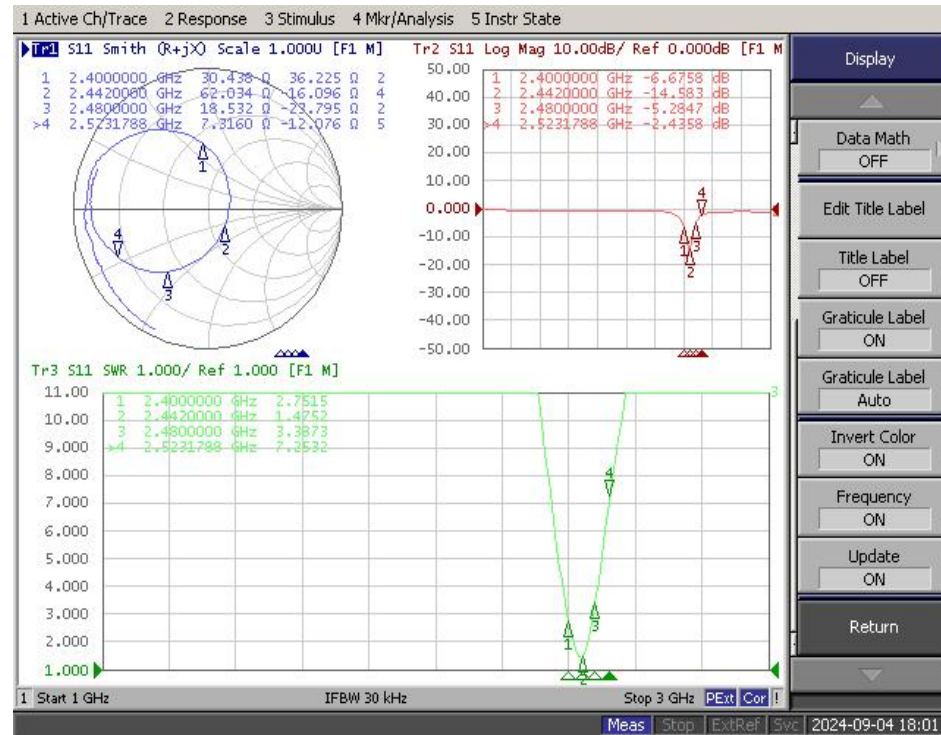
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2: Passive test report

2.1: BT antenna S11 parameters



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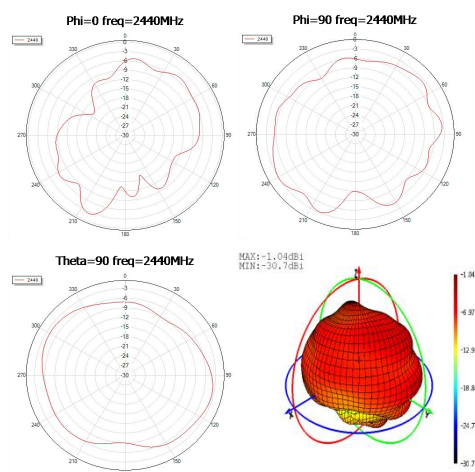
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2.2: Passive efficiency of antenna

2400-2480MHz		
Freq(MHz)	Gain(dBi)	Efficiency(%)
	free space	free space
2400	-0.93	23.44
2410	-1.20	22.83
2420	-1.24	22.49
2430	-1.03	23.25
2440	-0.51	24.23
2450	-0.56	22.84
2460	-0.87	20.88
2470	-0.98	19.49
2480	-1.06	18.38
Mean value	-0.93	21.98

2.3: Passive pattern of BT antenna



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3: Matching circuit

