

Antenna Sample Datasheet

customer:	Shanghai Evoiot Intelligent Technology Co., LTD
entry name:	OT70A-L
Material category:	BT antenna
Antenna Type	PIFA
Antenna Material	FPC
edition:	A13
Date:	2024. 11. 29

Contents

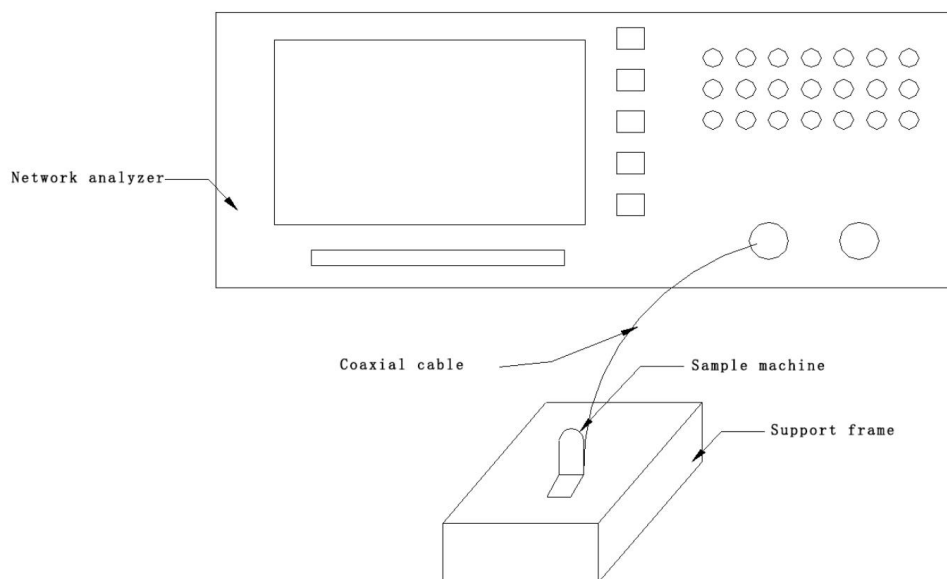
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1: Antenna test equipment

List of meters: Agilent 5071B;

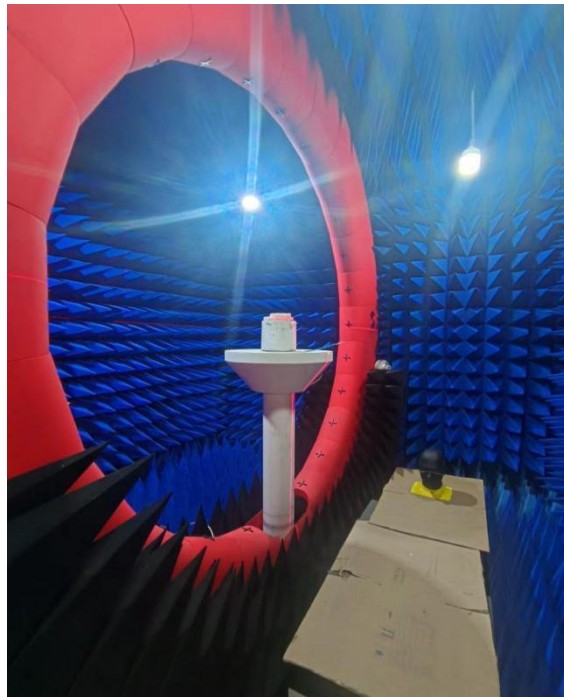


1.1The principle diagram of the ETS anechoic chamber



Picture1.Antenna static test connection method

1.2 Pictures of the ETS anechoic chamber



Inside the ETS anechoic chamber



Test Machine

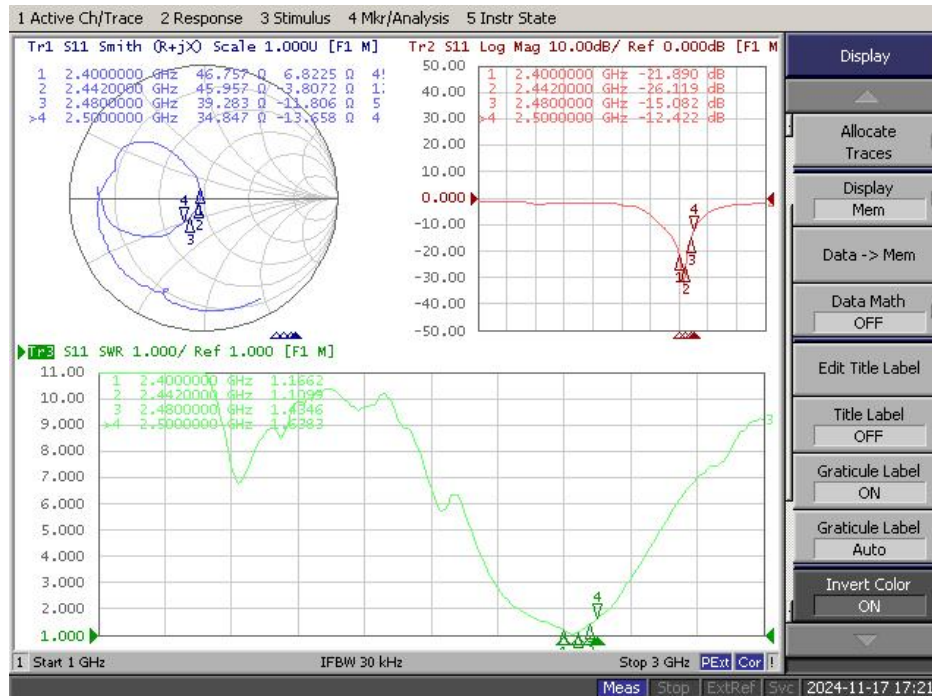
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2: Passive test report

2.1: BT antenna S11 parameters



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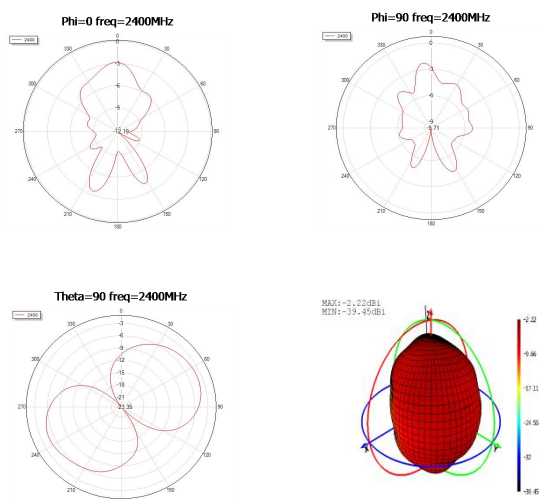
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2.2: Passive efficiency of antenna

2400-2480MHz		
Freq(MHz)	Gain(dBi)	Efficiency(%)
	free space	free space
2400	-2.22	27.86
2410	-2.28	27.96
2420	-2.17	27.73
2430	-1.98	28.92
2440	-1.90	29.21
2450	-1.86	28.20
2460	-2.05	26.85
2470	-2.06	25.06
2480	-1.89	23.62
Mean value	-0.93	21.98

2.3: Passive pattern of BT antenna



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3: Matching circuit

