

Antenna Sample Datasheet

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

Contents

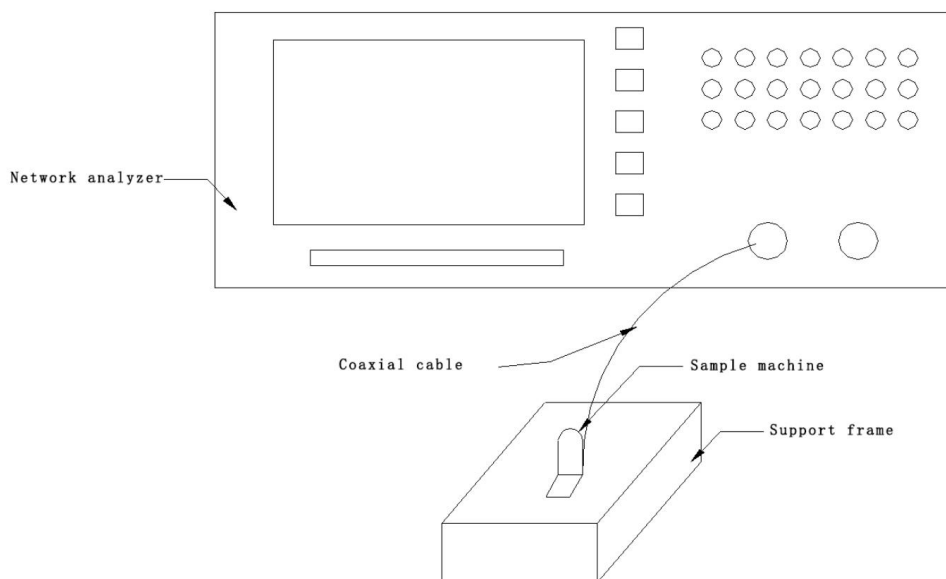
1: Antenna test equipment.....	1
2: Passive test report.....	3
3: Matching circuit.....	5
4: Structural drawing.....	6

1: Antenna test equipment

List of meters: Agilent 5071B;

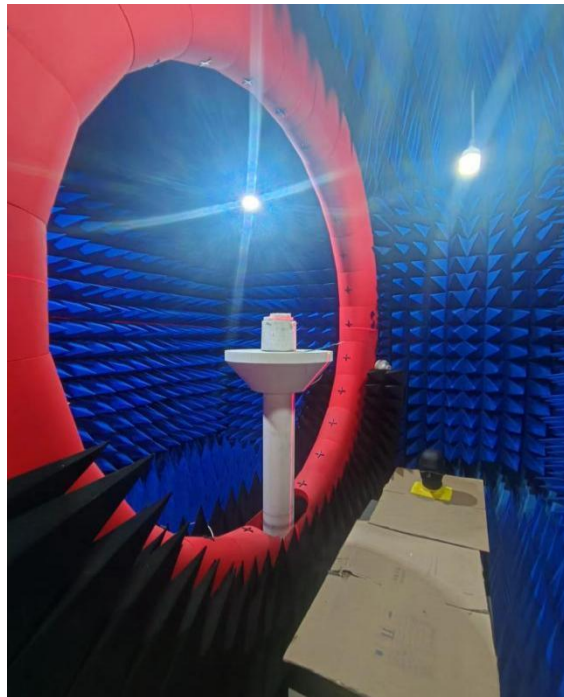


1.1The principle diagram of the ETS anechoic chamber



Picture1.Antenna static test connection method

1.2 Pictures of the ETS anechoic chamber



Inside the ETS anechoic chamber



Test Machine

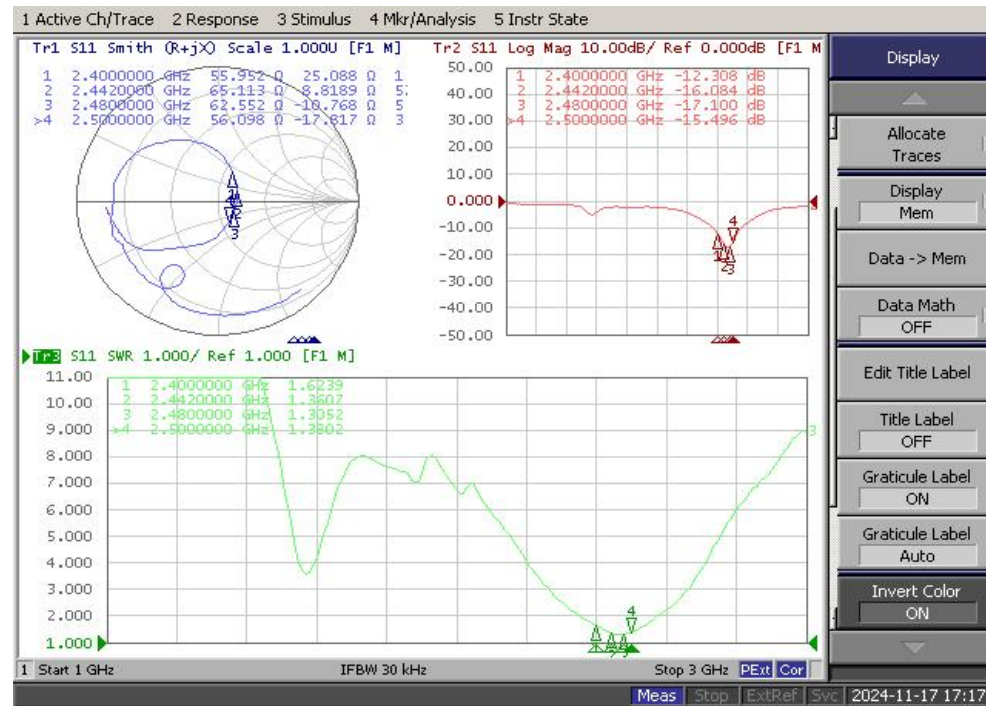
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2: Passive test report

2.1: BT antenna S11 parameters



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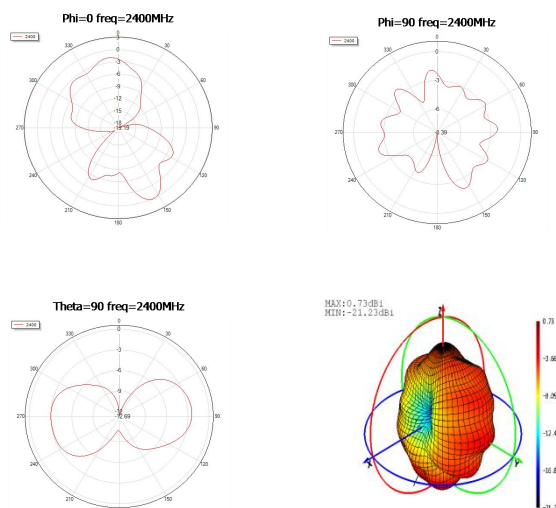
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2.2: Passive efficiency of antenna

2400-2480MHz		
Freq(MHz)	Gain(dBi)	Efficiency(%)
	free space	free space
2400	0.73	33.64
2410	0.58	31.50
2420	0.44	31.91
2430	0.43	33.34
2440	0.35	34.07
2450	0.42	33.41
2460	0.12	32.74
2470	0.36	31.34
2480	0.61	29.13
Mean value	-1.49	22.11

2.3: Passive pattern of BT antenna

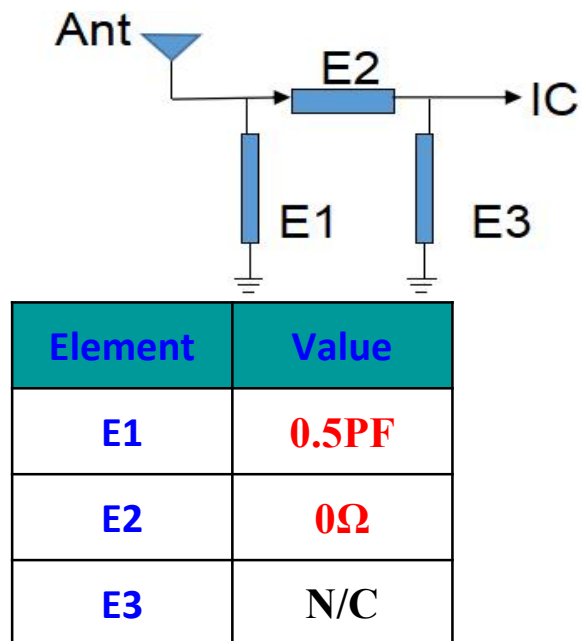


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3: Matching circuit



4: Structural drawing

