

Antenna Sample Datasheet

Supplier name	Shenzhen Yuhong Industrial Co., LTD
Supplier address	12th Floor, West Block B, Building 8, Huaqiang Creative Industry Park, Sightseeing Road, Guangming District, Shenzhen
entry name:	JH5002-dongle
Material category:	BT antenna
Antenna Material	FPC
edition:	A1
Date:	2024. 6. 11

Contents

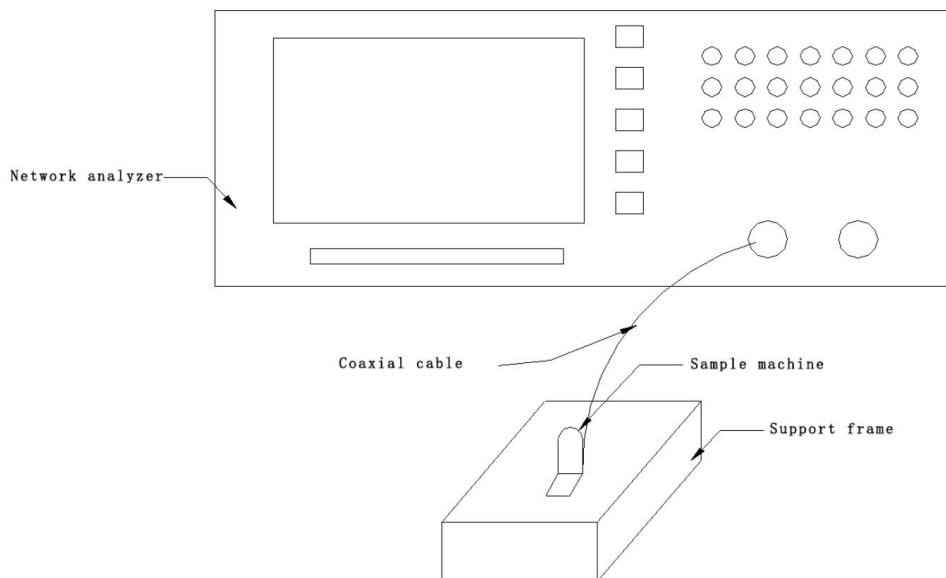
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1: Antenna test equipment

List of meters: Agilent 5071B;

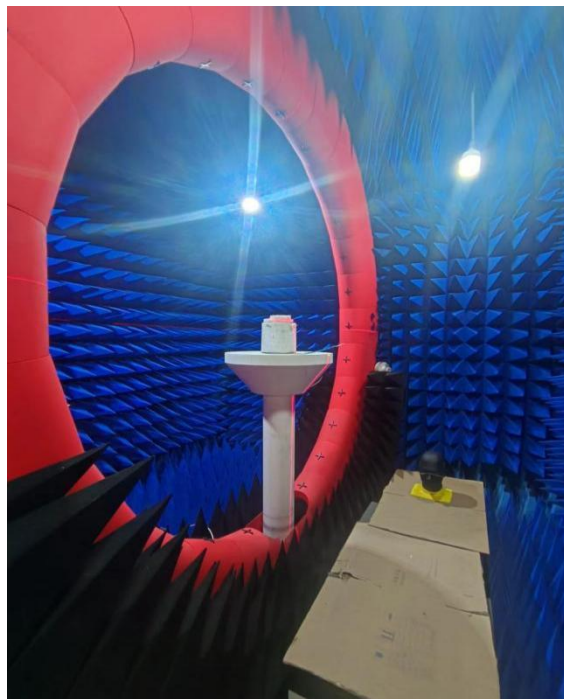


1.1 The principle diagram of the ETS anechoic chamber



Picture1. Antenna static test connection method

1.2 Pictures of the ETS anechoic chamber



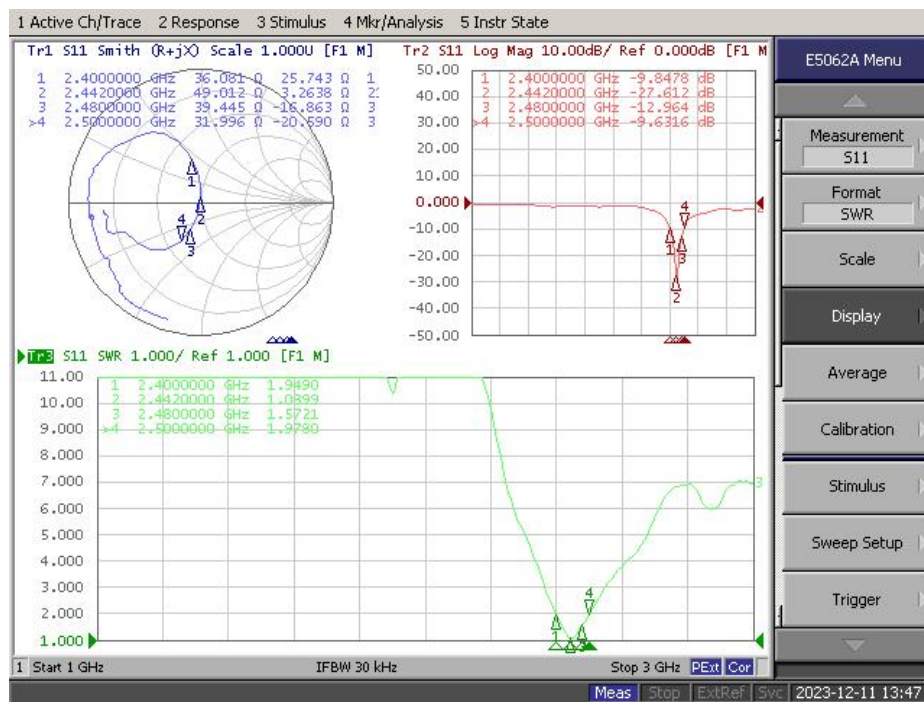
Inside the ETS anechoic chamber



Test Machine

2: Passive test report

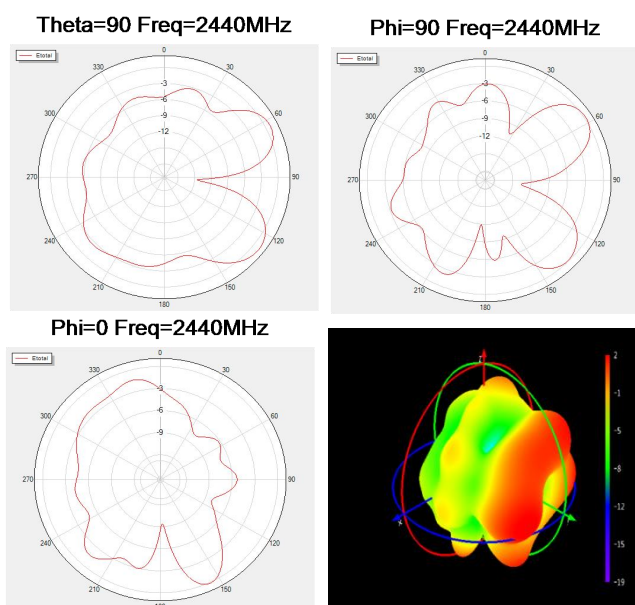
2.1: BT antenna S11 parameters



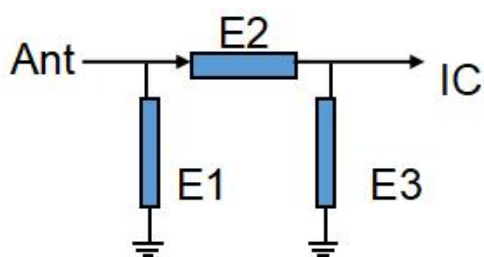
2.2: Passive efficiency of antenna

2400-2480MHz		
Freq(MHz)	Gain(dBi)	Efficiency(%)
	free space	free space
2400	0.77	43.4
2410	0.82	43.89
2420	0.9	43.64
2430	1.06	43.3
2440	1.26	42.65
2450	1.29	42.06
2460	1.18	41.46
2470	0.89	40.64
2480	0.6	39.9
Mean value	0.97	42.33

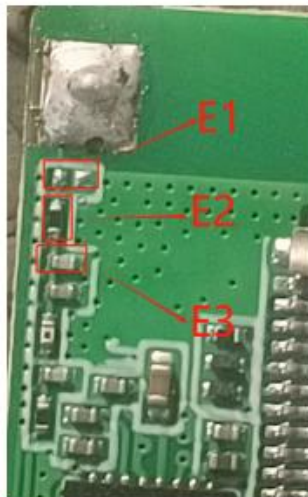
2.3: Passive pattern of BT antenna



3: Matching circuit



Element	Value
E1	N/C
E2	0Ω
E3	2PF





A		B		C		D		E		F		G	
Environmentally friendly Rohs 2.0								Version		Date		Change Description	
								M1		2024-3-27		Initial version	
1													1
19.60±0.15 7.20±0.15 JH5002 Dongle-A1 HJ 0.12±0.03 Contains back glue, does not contain release paper													2
2													2
3													3
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5: Antenna diagram

