

Antenna Sample Datasheet

customer:	EDIFIER
entry name:	WH950NB
Material category:	BT antenna
Antenna Type	PIFA
Antenna Material	FPC
edition:	V1.2
Date:	2024.12.3

Antenna manufacturer: Hongji Wireless Communication (Shenzhen) Co., LTD

<http://www.honant.com.cn>

Address: 12 / F, West Block B, Building 8, Huaqiang Creative Industry Park,
Sightseeing Road, Guangming District, Shenzhen

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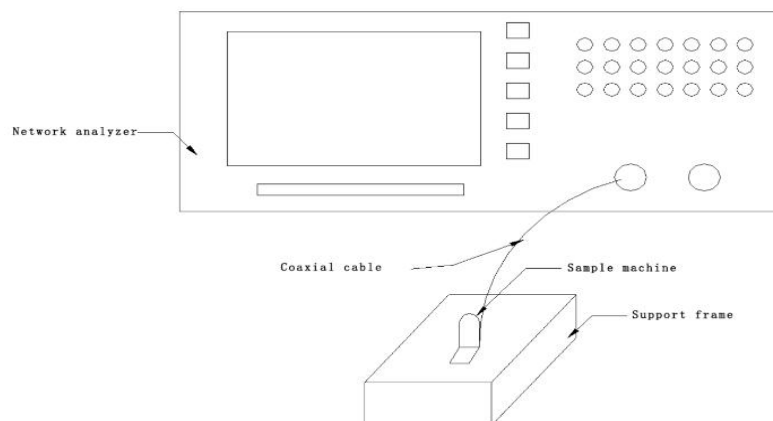
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1: Antenna test equipment

List of meters: Agilent 5071B;

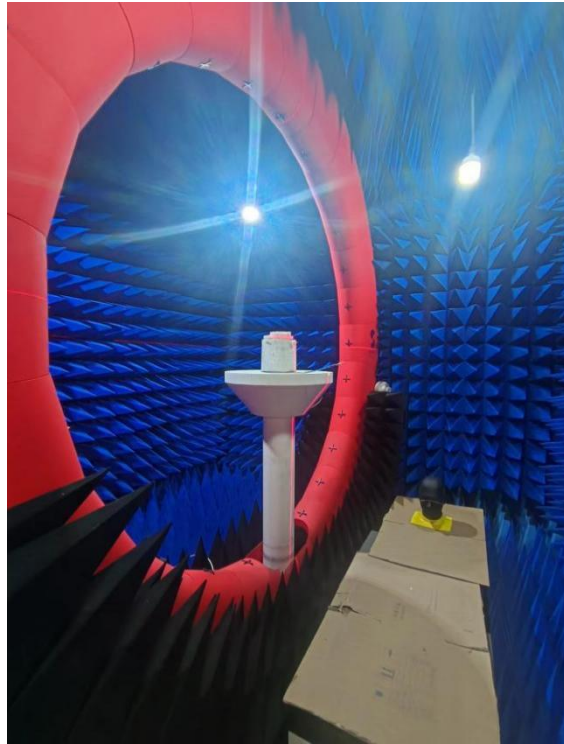


1.1 The principle diagram of the ETS anechoic chamber



Picture1. Antenna static test connection method

1.2 Pictures of the ETS anechoic chamber



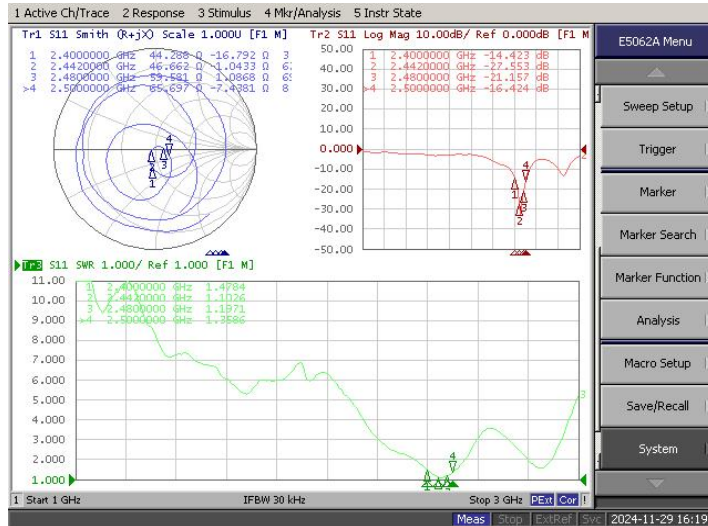
Inside the ETS anechoic chamber



Test Machine

2: Passive test report

2.1: antenna S11 parameters

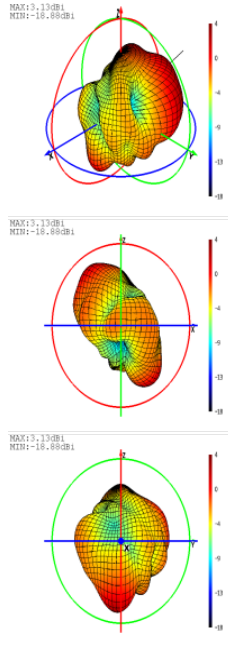


2.2: Passive efficiency of antenna

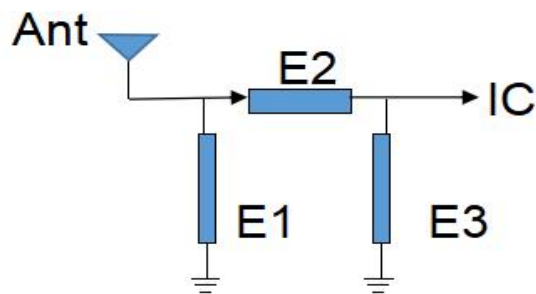
Freq(MHz)	Gain(dBi)	Efficiency(%)
2400	1.82	46.01
2410	1.56	46.22
2420	1.47	48.49
2430	1.87	48.36
2440	2.35	47.91
2450	2.61	46.44
2460	3.11	45.81
2470	3.13	48.45
2480	2.67	47.66

2.3: Passive pattern of BT antenna

2470MHz

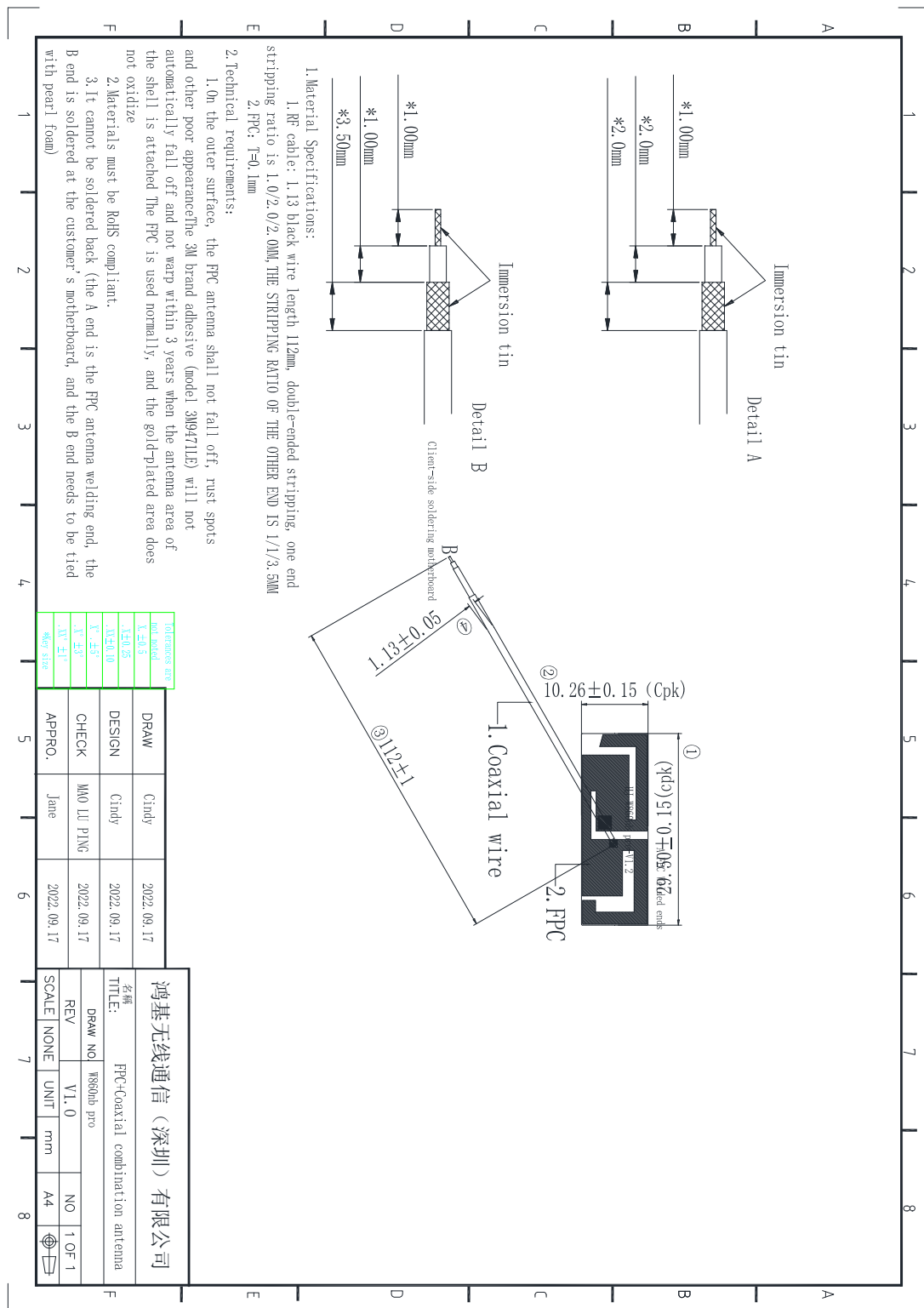


3: Matching circuit



Element	Value
E1	N/C
E2	3.3NH
E3	1.2PF

4: Structural drawing



5: Antenna diagram

