

Antenna Sample Datasheet

customer:	Dongguan Shiyute Electronics Co., Ltd
entry name:	10210
Material category:	BT antenna
Antenna Type	PIFA
Antenna Material	FPC
edition:	A0
Date:	2024. 9. 2

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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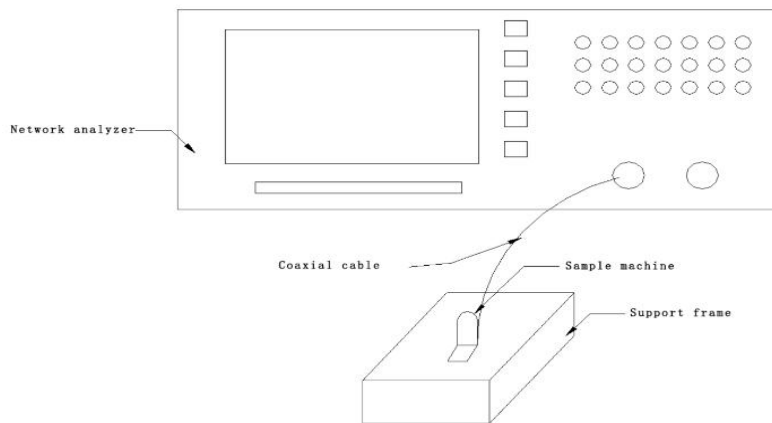
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1: Antenna test equipment

List of meters: Agilent 5071B;

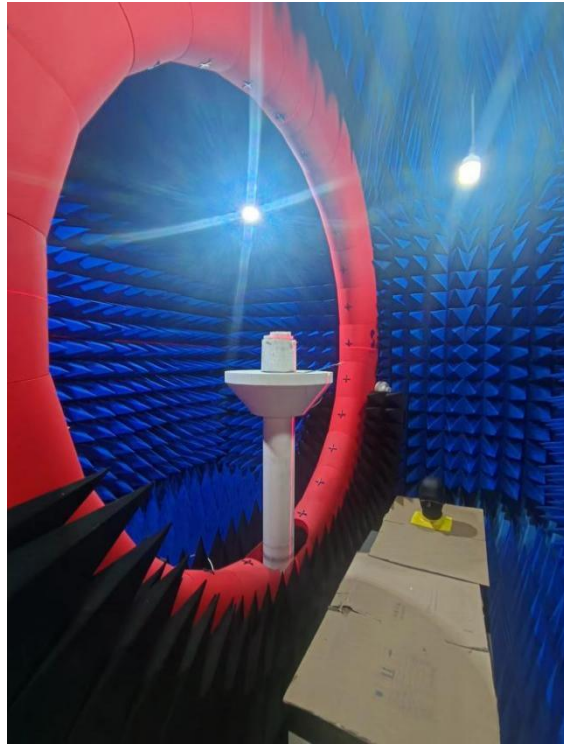


1.1 The principle diagram of the ETS anechoic chamber



Picture1. Antenna static test connection method

1.2 Pictures of the ETS anechoic chamber



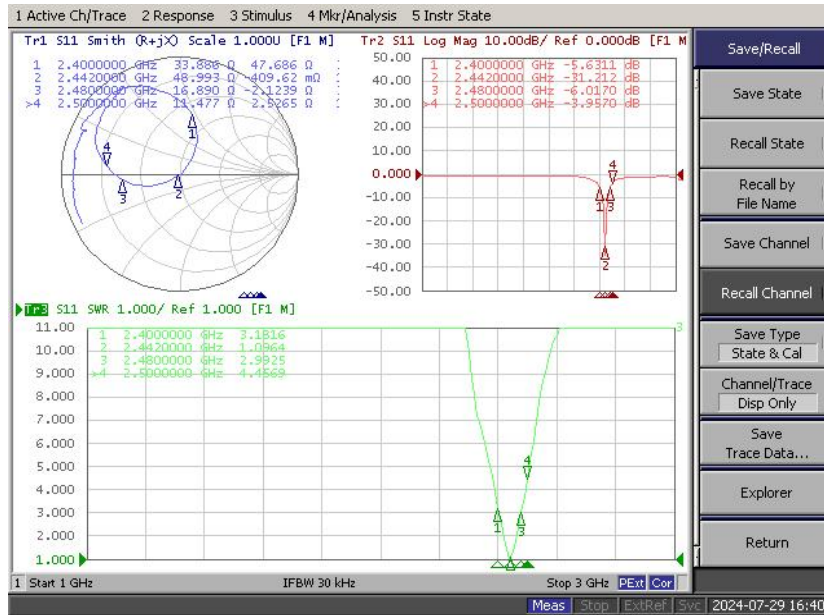
Inside the ETS anechoic chamber



Test Machine

2: Passive test report

2.1: antenna S11 parameters

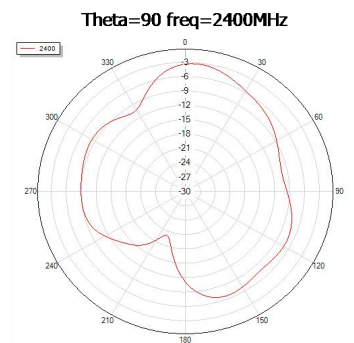
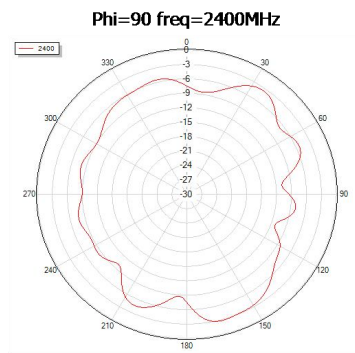
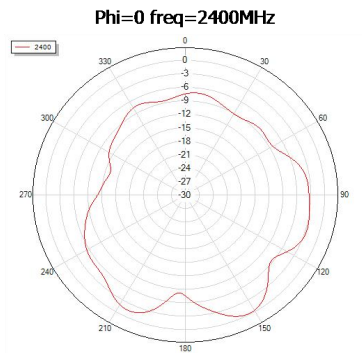


2.2: Passive efficiency of antenna

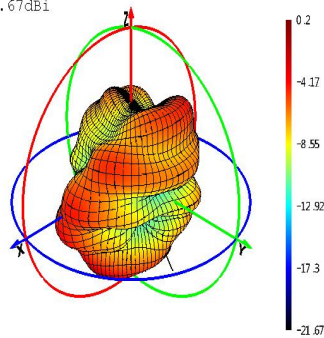
Freq(MHz)	Gain(dBi)	Efficiency(%)
2400	0.2	18.26
2410	1.14	20.93
2420	2	23.54
2430	2.59	25.56
2440	2.79	25.53
2450	2.55	24.64
2460	1.97	23.43
2470	1.6	22.25
2480	0.62	20

2.3: Passive pattern of BT antenna

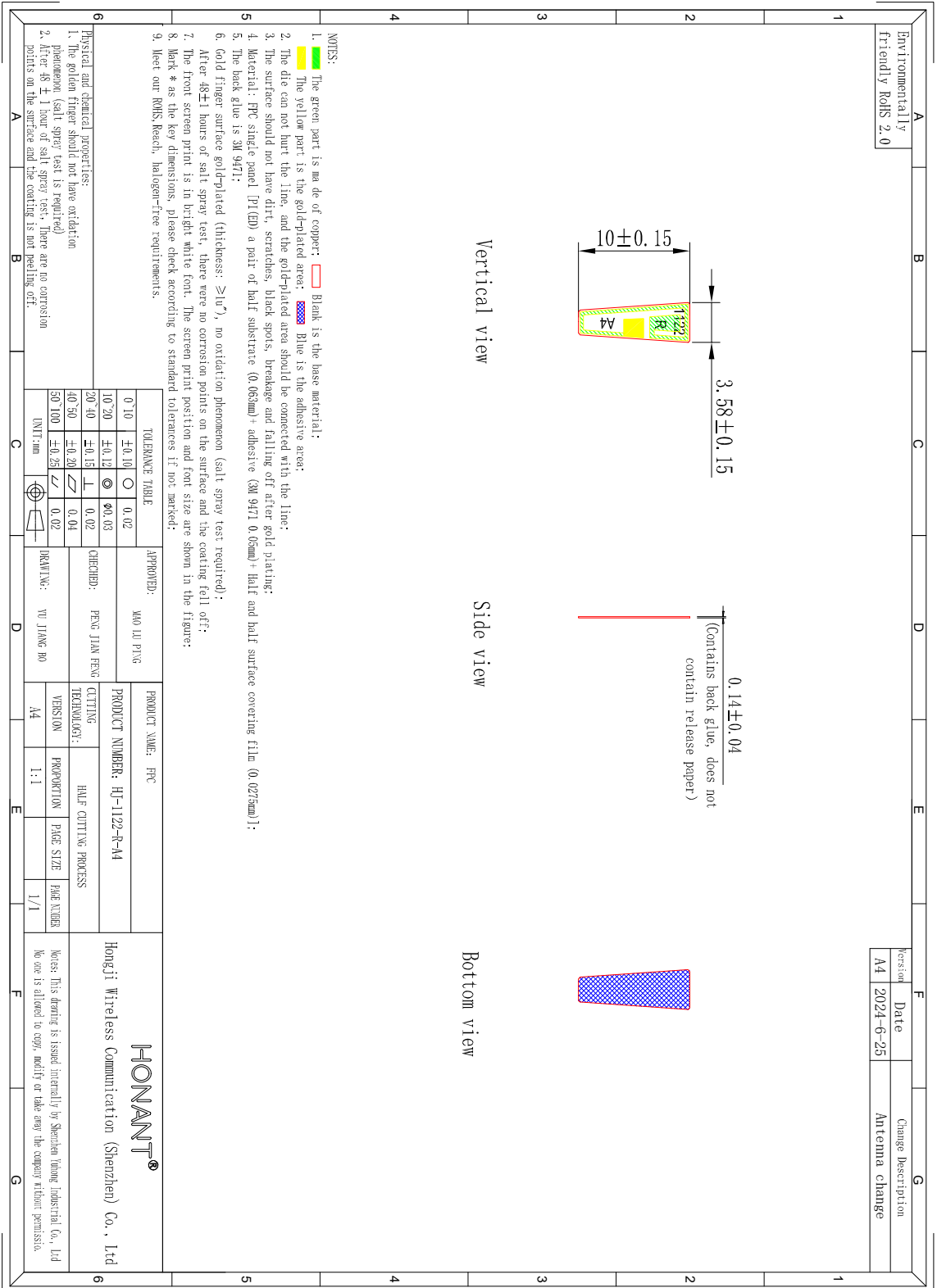
2400MHz



MAX: 0.2dBi
MIN: -21.67dBi



3: Structural drawing



4: Antenna diagram

