
Antenna Sample Datasheet

customer:	Zhongshan Tianjian electroacoustic Co., LTD
entry name:	OTW620
Material category:	BT antenna
Antenna Type	PIFA
Antenna Material	FPC
edition:	A0
Date:	2024. 6. 28

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

Contents

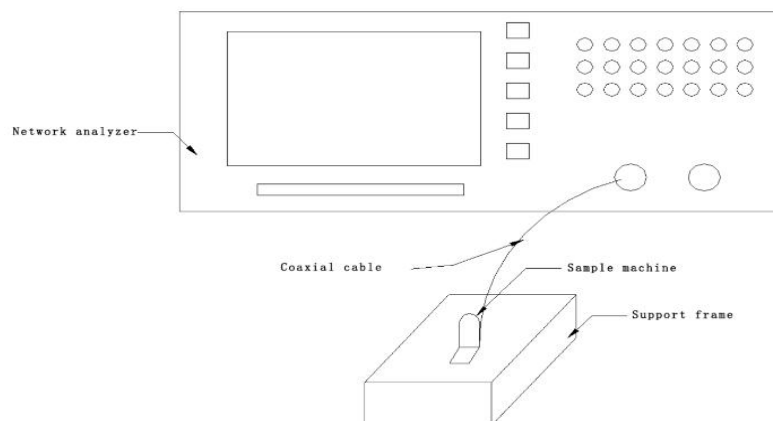
1: Antenna test equipment.....	1
2: Passive test report.....	3
3: Structural drawing.....	5
4: Antenna diagram.....	6

1: Antenna test equipment

List of meters: Agilent 5071B;

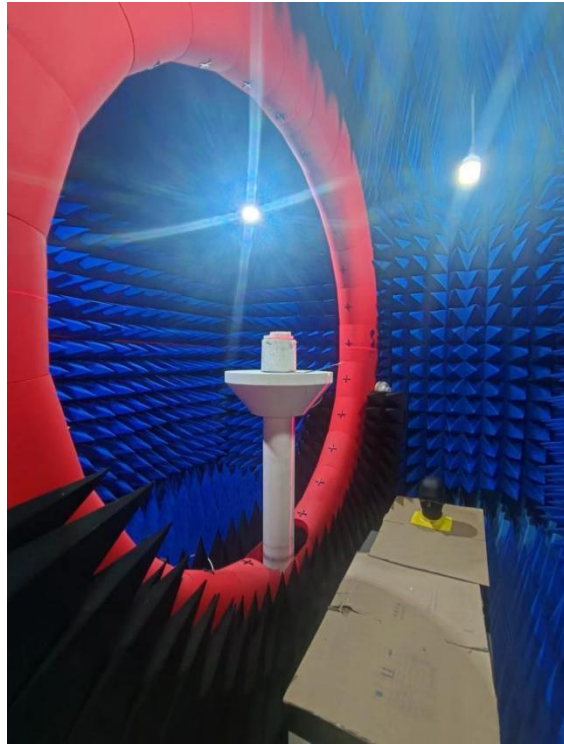


1.1 The principle diagram of the ETS anechoic chamber



Picture1. Antenna static test connection method

1.2 Pictures of the ETS anechoic chamber



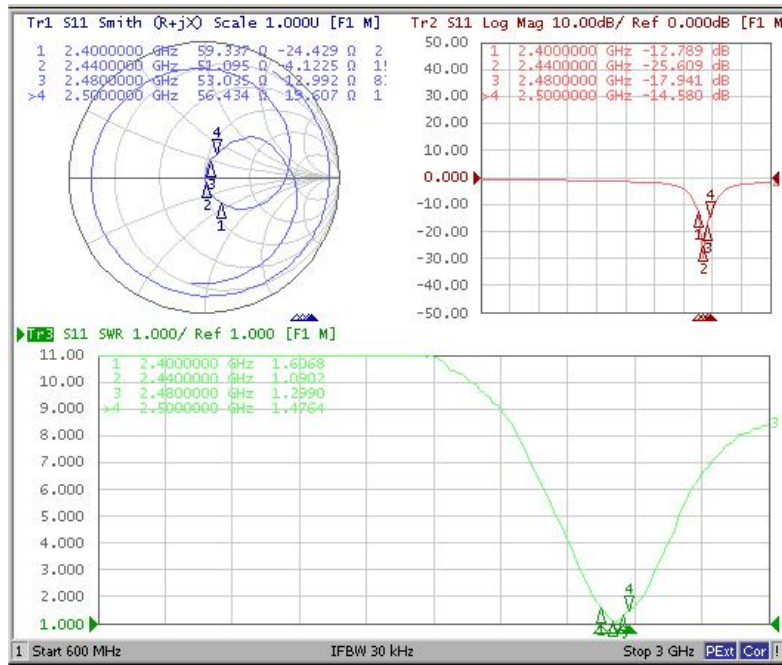
Inside the ETS anechoic chamber



Test Machine

2: Passive test report

2.1: antenna S11 parameters



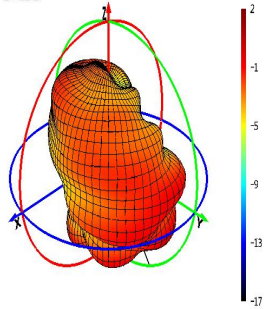
2.2: Passive efficiency of antenna

Freq(MHz)	Gain(dBi)	Efficiency(%)
2400	1.27	35.49
2410	1.34	35.31
2420	1.76	35.18
2430	2.21	34.3
2440	2.38	33.55
2450	2.49	33.97
2460	2.49	34.06
2470	2.59	34.75
2480	2.47	36.2

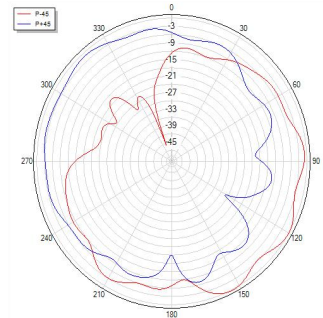
2.3: Passive pattern of BT antenna

2400MHz

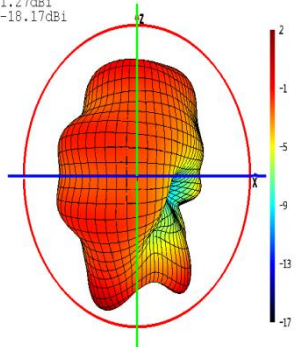
MAX:1.27dBi
MIN:-18.17dBi



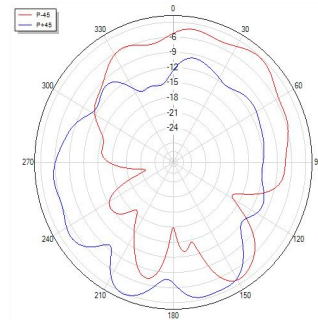
Phi=90 freq=2400MHz



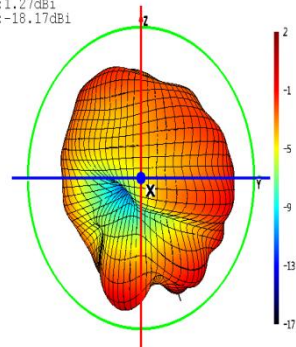
MAX:1.27dBi
MIN:-18.17dBi



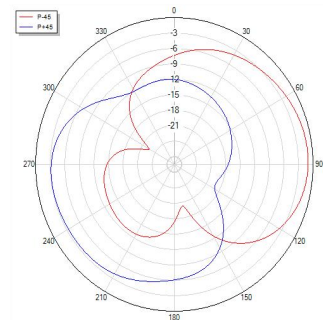
Phi=0 freq=2400MHz

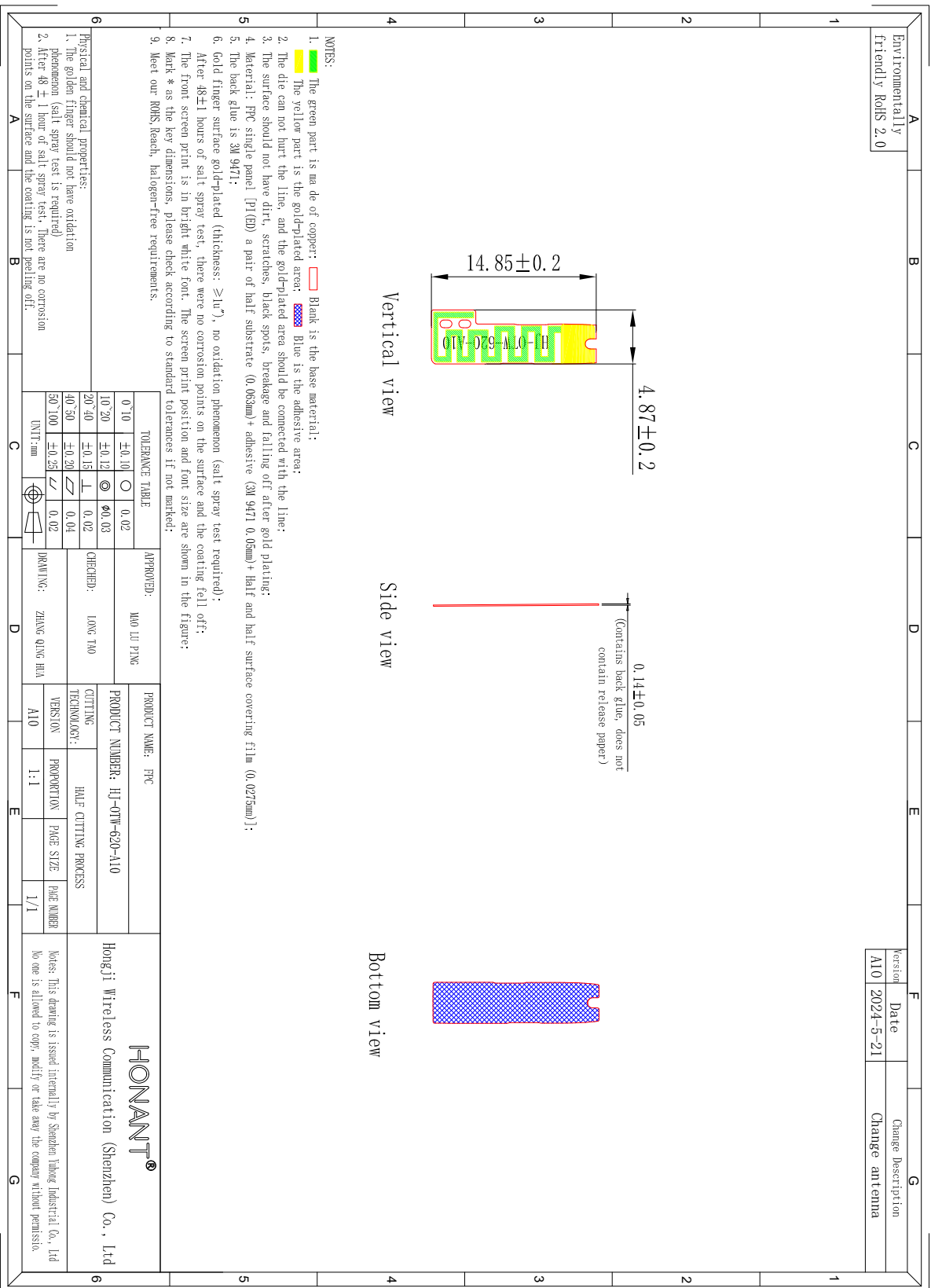


MAX:1.27dBi
MIN:-18.17dBi



Theta=90 freq=2400MHz





4: Antenna diagram

