

Antenna Sample Datasheet

customer:	Dongguan EDIFIER Technology Co., LTD
entry name:	NeoBuds Planar
Material category:	BT antenna
Antenna Type	Monopole
Antenna Material	FPCB
edition:	A0
Date:	2024. 12. 10

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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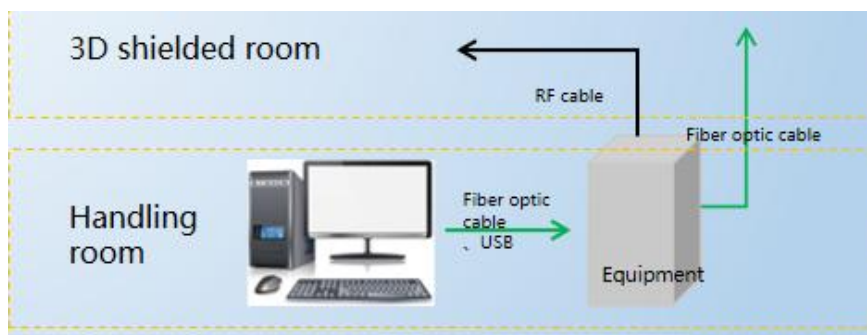
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1: Antenna test equipment

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



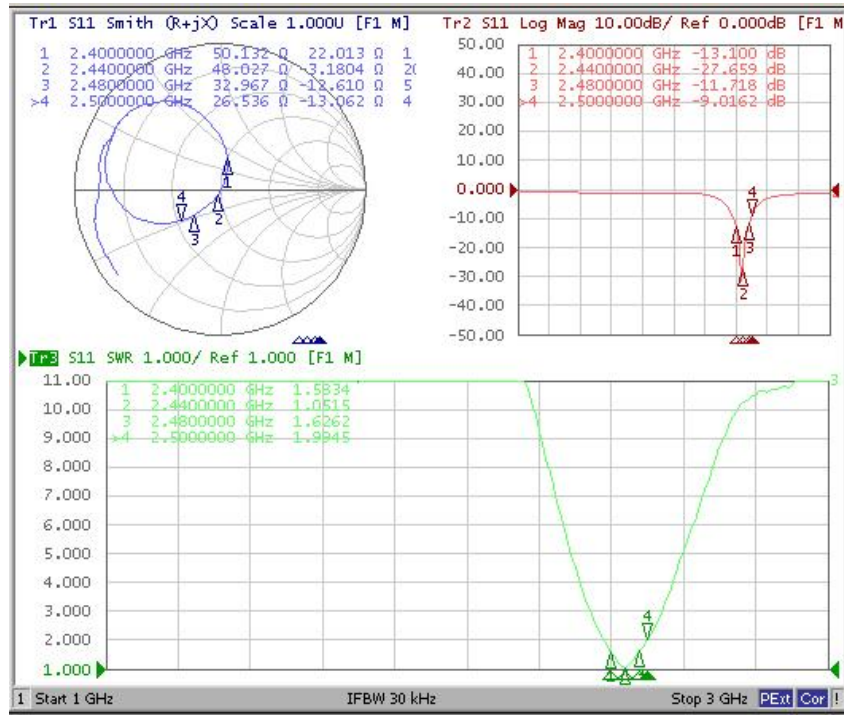
Inside the ETS anechoic chamber



Test Machine

2: Passive test report

2.1: BT antenna S11 parameters

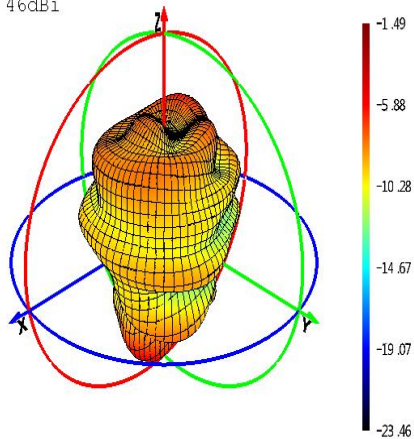


2.2: Passive efficiency of antenna

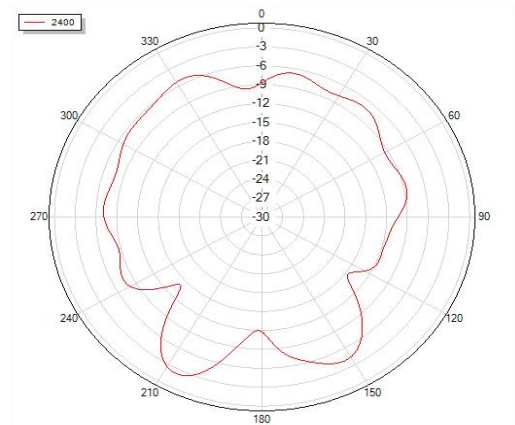
Freq(MHz)	Gain(dBi)	Efficiency(%)
2400	-1.49	16.4
2410	-1.23	17.35
2420	-1	18.32
2430	-0.95	18.45
2440	-1.12	19.78
2450	-1.35	19.51
2460	-1.44	18.26
2470	-1.5	18.22
2480	-1.78	17.25

2.3: Passive pattern of BT antenna

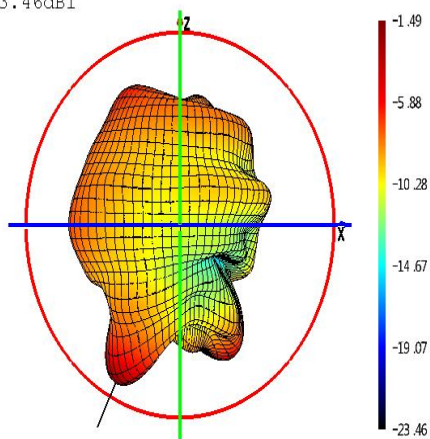
MAX:-1.49dBi
MIN:-23.46dBi



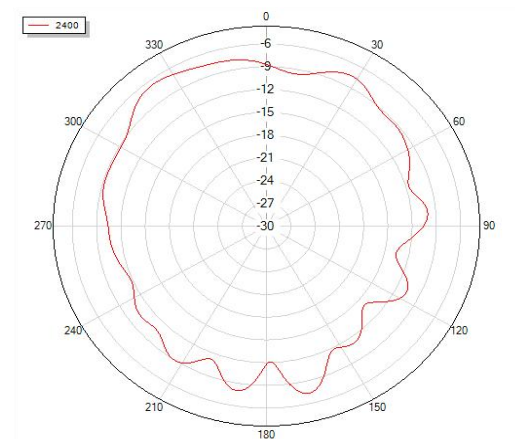
Phi=0 freq=2400MHz



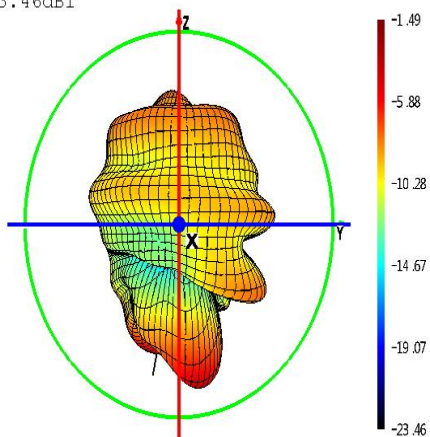
MAX:-1.49dBi
MIN:-23.46dBi



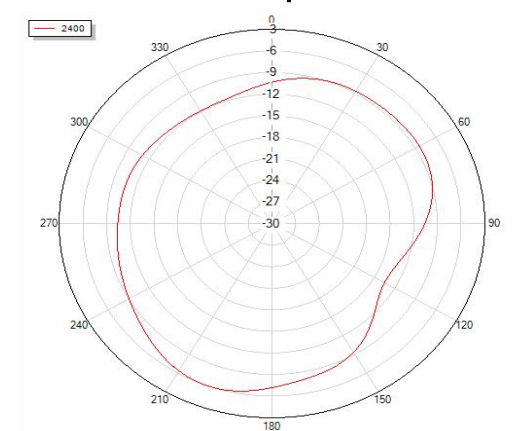
Phi=90 freq=2400MHz



MAX:-1.49dBi
MIN:-23.46dBi



Theta=90 freq=2400MHz



3: Structural drawing-Left

