

Antenna Sample Datasheet

customer:	Guanglian
entry name:	GS105F2
Material category:	WIFI antenna
Antenna Type	PIFA
Antenna Material	FPCB antenna
edition:	A1
Date:	2026. 6. 1

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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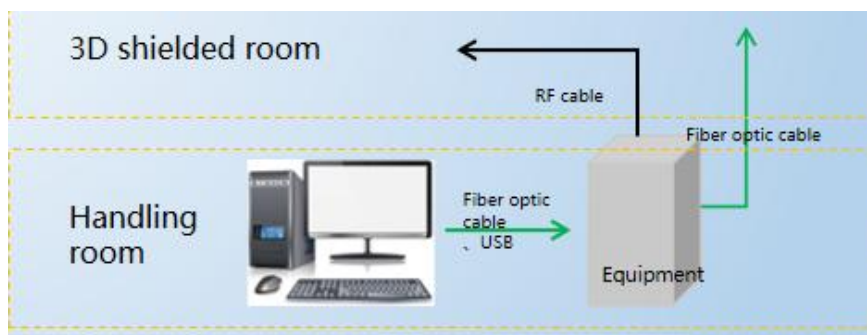
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1: Antenna test equipment

List of meters: Agilent 5071B;

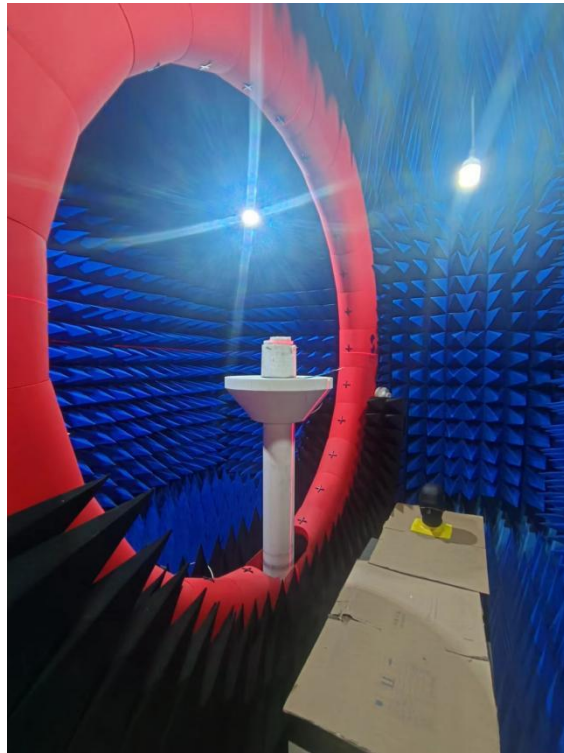


1.1 The principle diagram of the ETS anechoic chamber



Picture1. Antenna static test connection method

1.2 Pictures of the ETS anechoic chamber



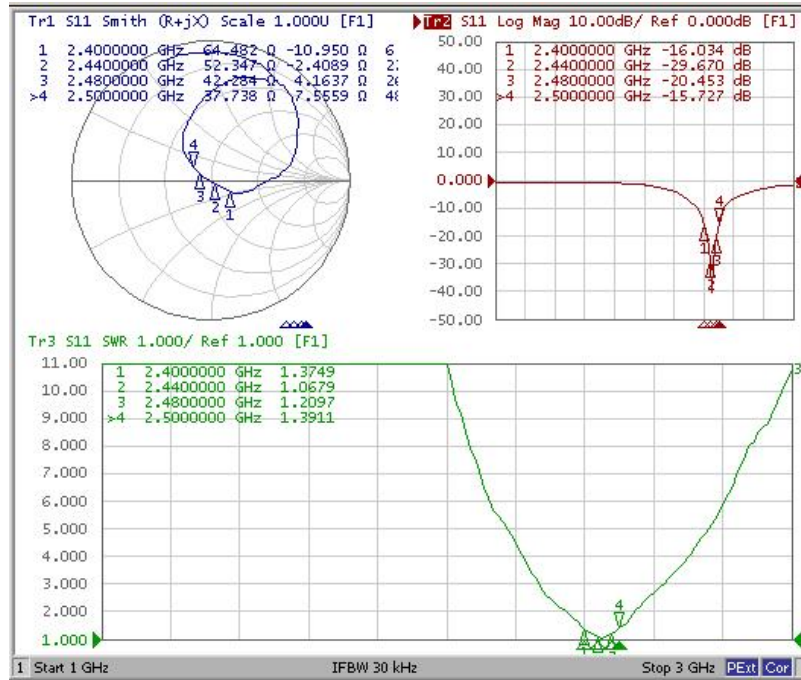
Inside the ETS anechoic chamber



Test Machine

2: Passive test report

2.1: BT antenna S11 parameters

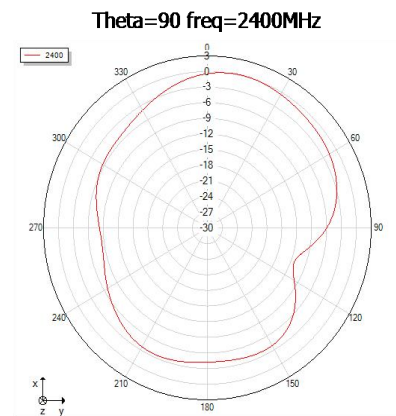
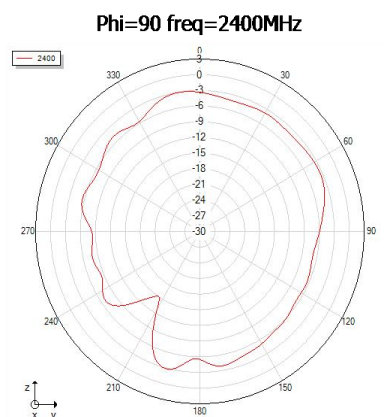
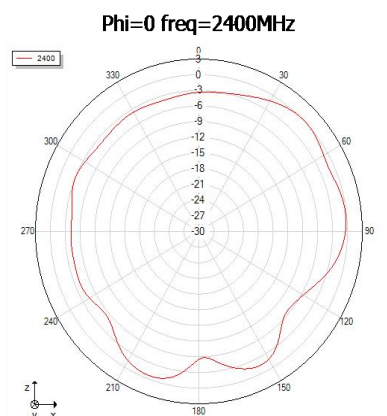


2.2: Passive efficiency of antenna

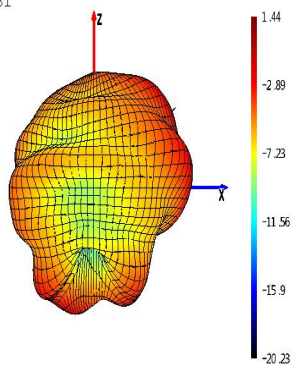
Freq(MHz)	Gain(dBi)	Efficiency(%)
2400	1.44	52.09
2410	1.94	54.74
2420	2.18	53.16
2430	2.26	52.23
2440	2.25	52.71
2450	2.47	53.69
2460	2.70	53.74
2470	2.69	54.16
2480	2.81	54.46
2490	2.76	51.91
2500	2.40	52.90

2.3: Passive pattern of BT antenna

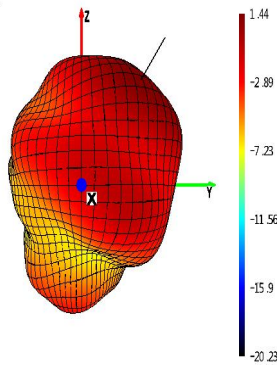
2400MHz



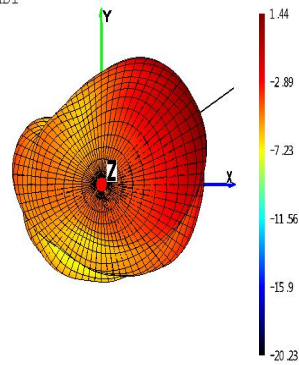
MAX:1.44dBi
MIN:-20.23dBi



MAX:1.44dBi
MIN:-20.23dBi



MAX:1.44dBi
MIN:-20.23dBi



3: Structural drawing

