

Antenna Sample Datasheet

customer:	Guangzhou Chengzhi Intelligent Machinery Technology Co., LTD
entry name:	CZ10-ANT1
Material category:	WIFI antenna
Antenna Type	Monopole
Antenna Material	FPC+Line
edition:	A0
Date:	2025. 7. 16

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

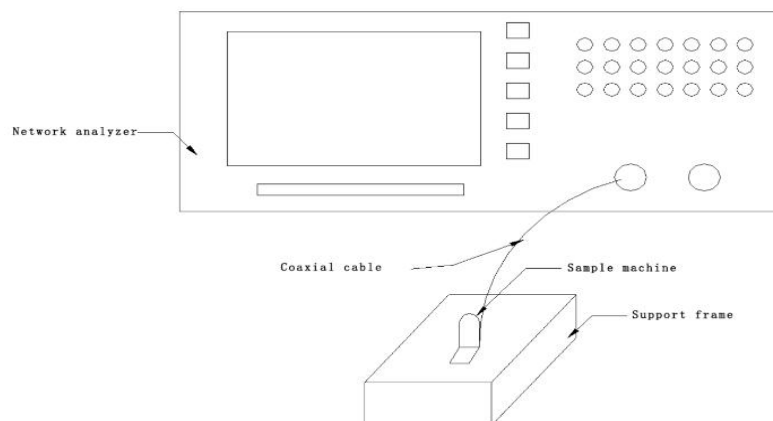
1: Antenna test equipment.....	1
2: Passive test report.....	3
3: Antenna diagram.....	5

1: Antenna test equipment

List of meters: Agilent 5071B;

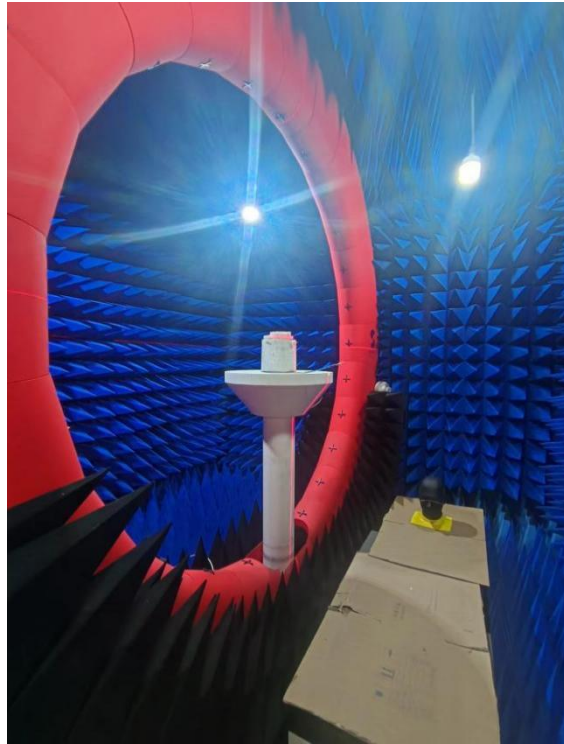


1.1 The principle diagram of the ETS anechoic chamber



Picture1. Antenna static test connection method

1.2 Pictures of the ETS anechoic chamber



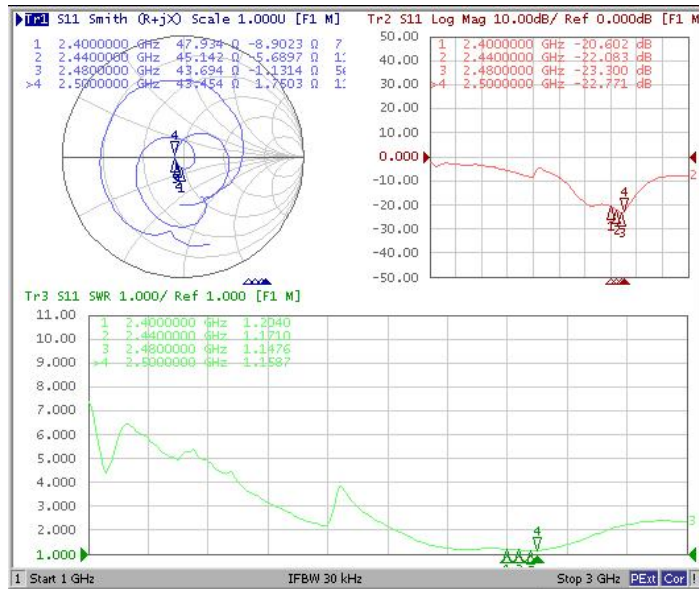
Inside the ETS anechoic chamber



Test Machine

2: Passive test report

2.1: antenna S11 parameters



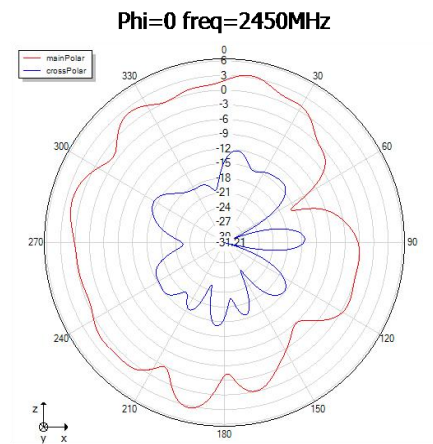
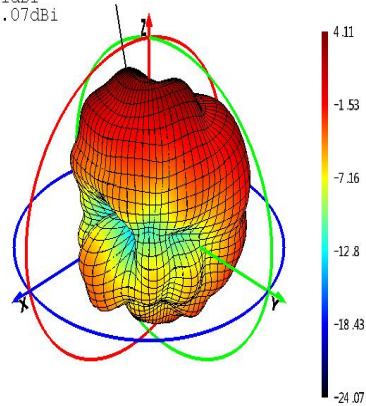
2.2: Passive efficiency of antenna

Freq(MHz)	Gain(dBi)	Efficiency(%)
2400	3.15	75.45
2410	3.35	77.03
2420	3.67	77.86
2430	3.92	75.24
2440	4.00	72.50
2450	4.11	72.63
2460	4.25	74.28
2470	4.14	75.51
2480	4.08	77.94
2490	3.79	76.39
2500	3.64	73.93

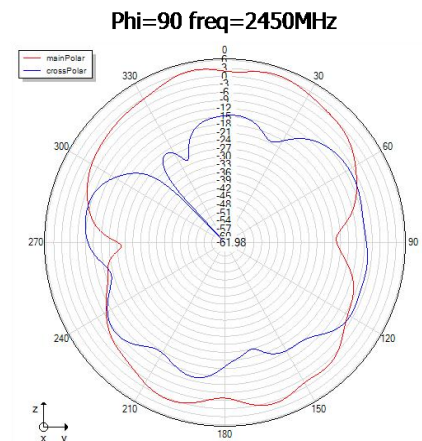
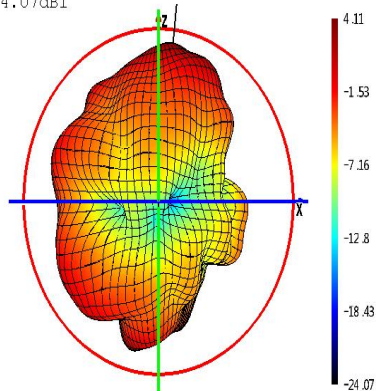
2.3: Passive pattern of BT antenna

2450MHz

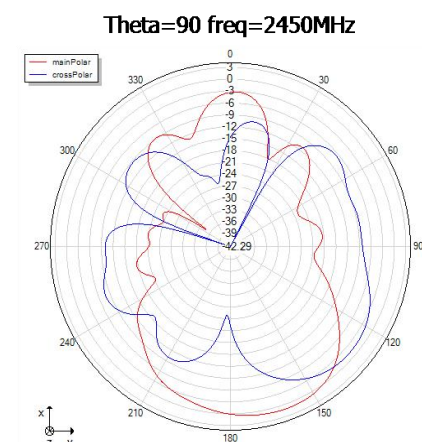
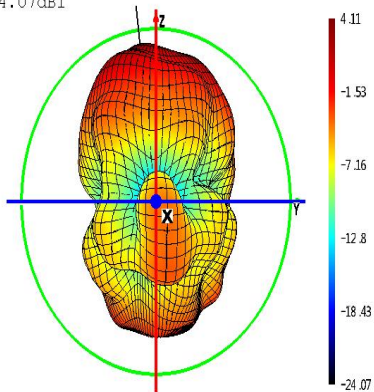
MAX: 4.11dBi
MIN: -24.07dBi



MAX: 4.11dBi
MIN: -24.07dBi



MAX: 4.11dBi
MIN: -24.07dBi



3: Structural drawing (mm)

