

Antenna Sample Datasheet

customer:	Dongguan Hele Electronics Co., LTD
entry name:	DT13
Material category:	BT antenna
Antenna Type	Monopole
Antenna Material	FPC
edition:	A0
Date:	2024. 8. 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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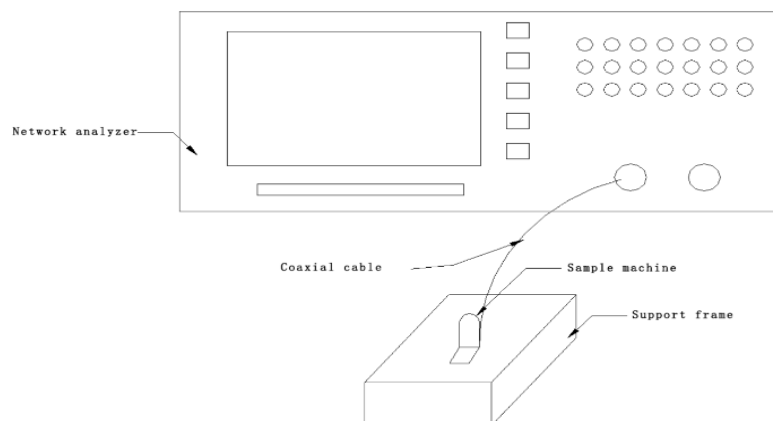
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1: Antenna test equipment

List of meters: Agilent 5071B;

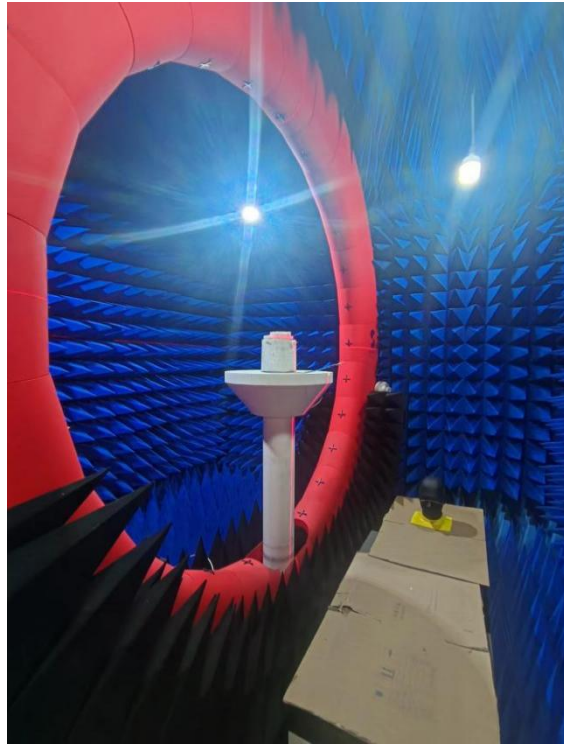


1.1The principle diagram of the ETS anechoic chamber



Picture1.Antenna static test connection method

1.2 Pictures of the ETS anechoic chamber



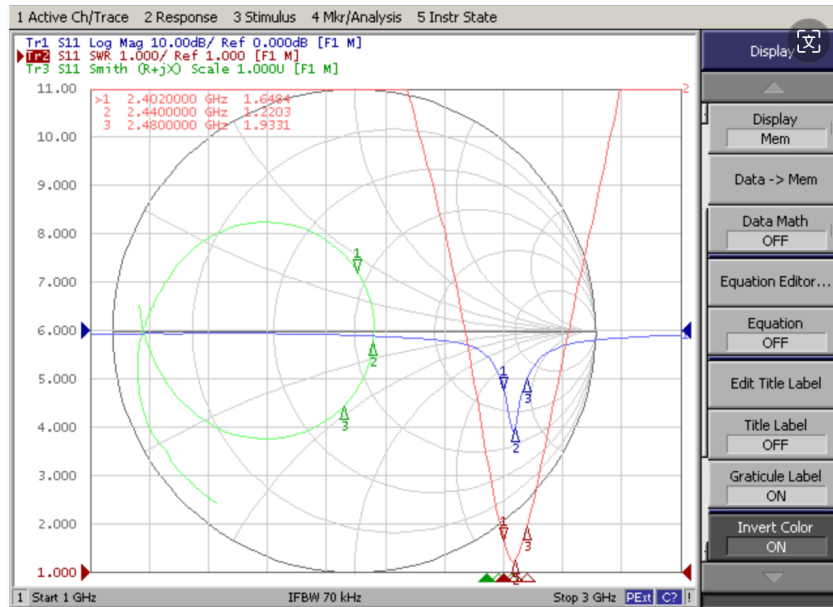
Inside the ETS anechoic chamber



Test Machine

2: Passive test report

2.1: antenna S11 parameters



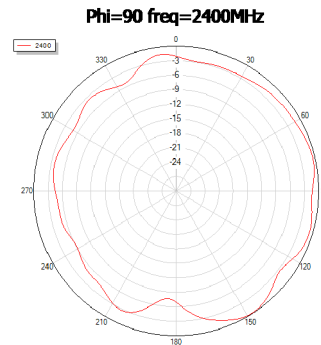
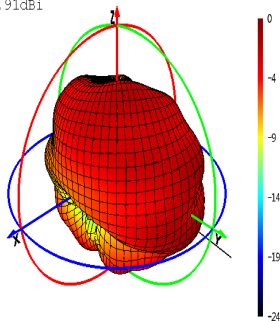
2.2: Passive efficiency of antenna

Freq(MHz)	Gain(dBi)	Efficiency(%)
2400	-0.13	25.30
2410	0.26	27.22
2420	0.41	28.86
2430	0.77	30.86
2440	0.79	32.68
2450	0.75	31.96
2460	0.17	28.30
2470	-0.10	26.46
2480	-0.43	24.34

2.3: Passive pattern of BT antenna

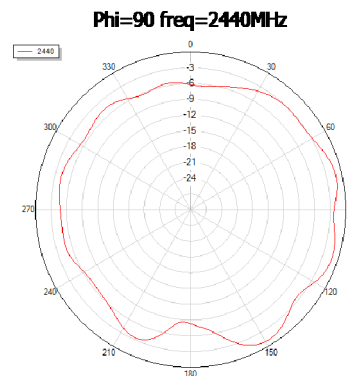
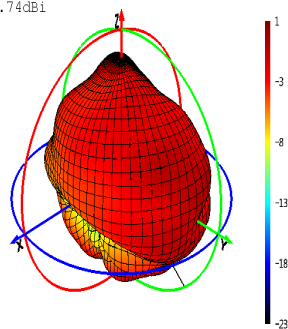
2400MHz

MAX:-0.13dBi
MIN:-24.91dBi



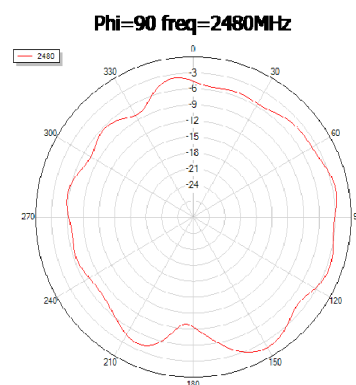
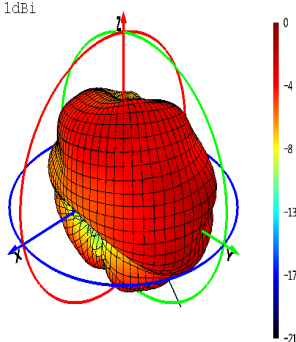
2440MHz

MAX:0.79dBi
MIN:-23.74dBi

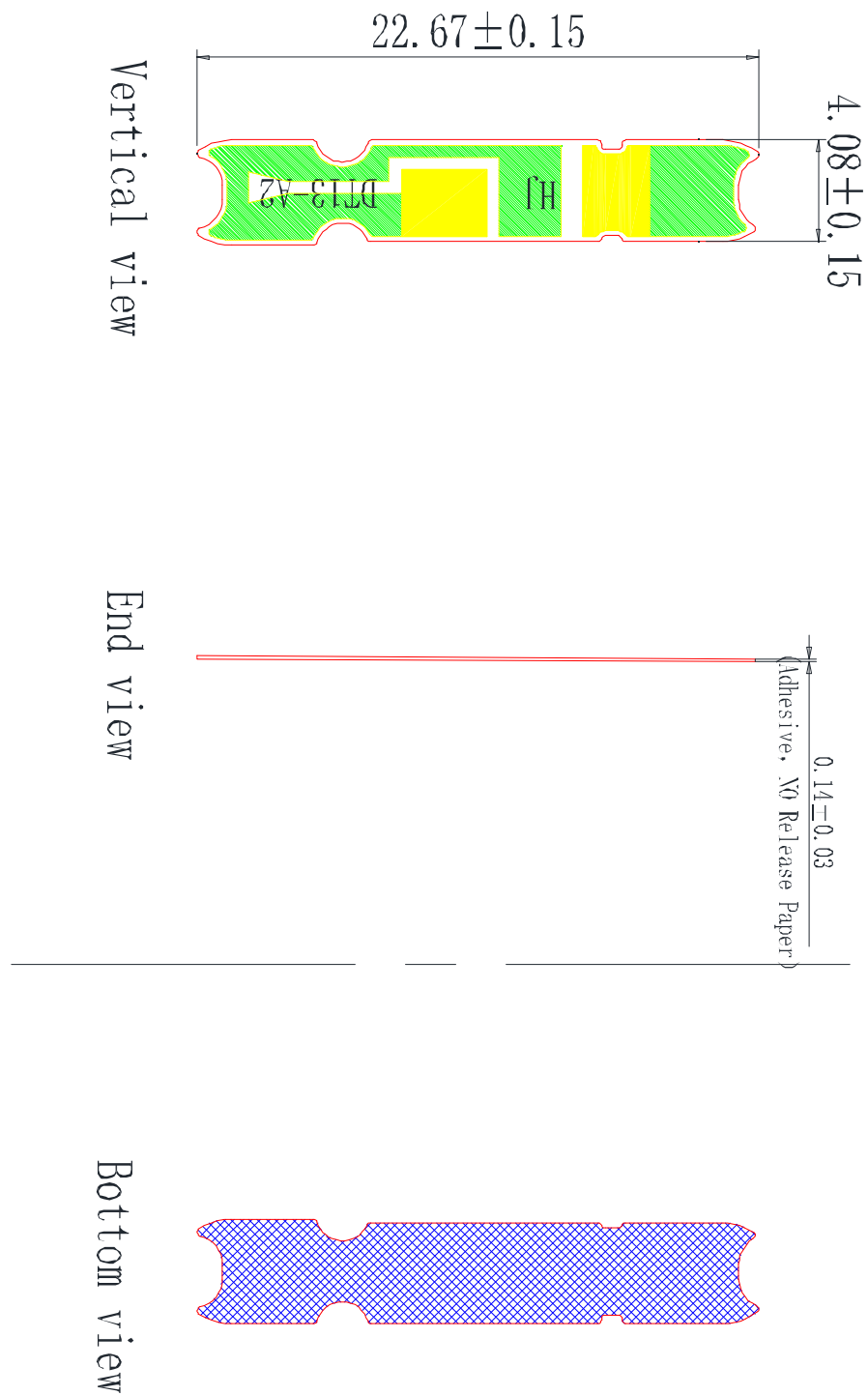


2480MHz

MAX:-0.43dBi
MIN:-22.1dBi



3: Structural drawing



4: Antenna diagram

