

Antenna Sample Datasheet

entry name:	A6118-TX
Antenna Type	Monopole
Antenna Material	PCB
edition:	A0
Date:	2026. 04. 23

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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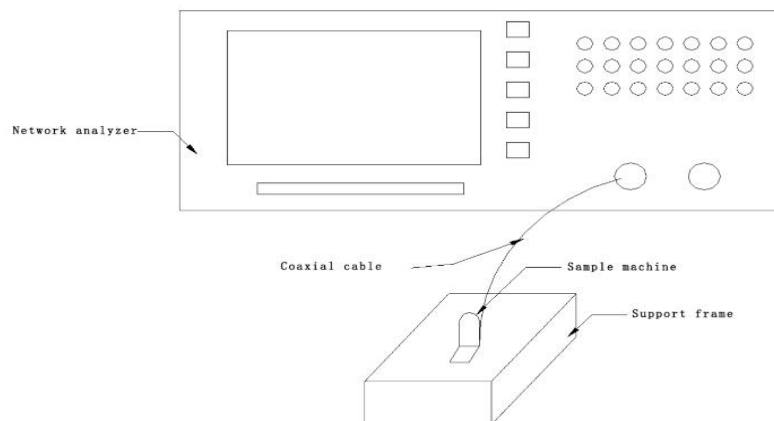
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1: Antenna test equipment

List of meters: Agilent 5071B;

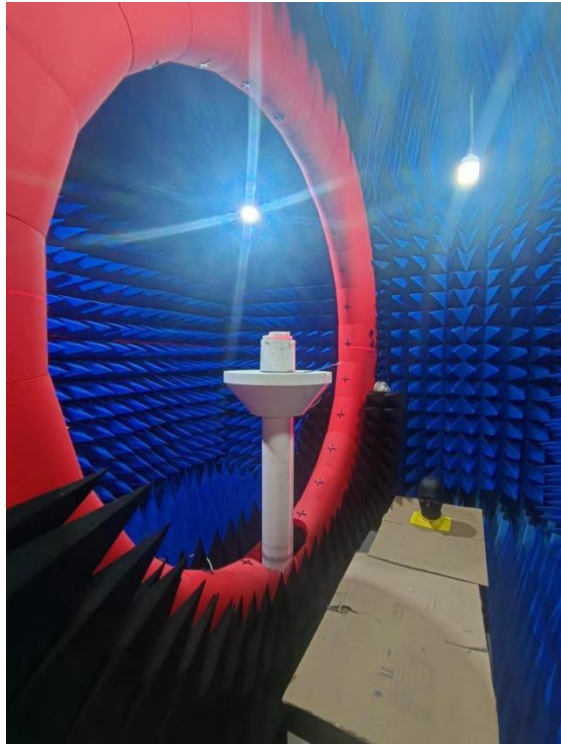


1.1The principle diagram of the ETS anechoic chamber



Picture1.Antenna static test connection method

1.2 Pictures of the ETS anechoic chamber



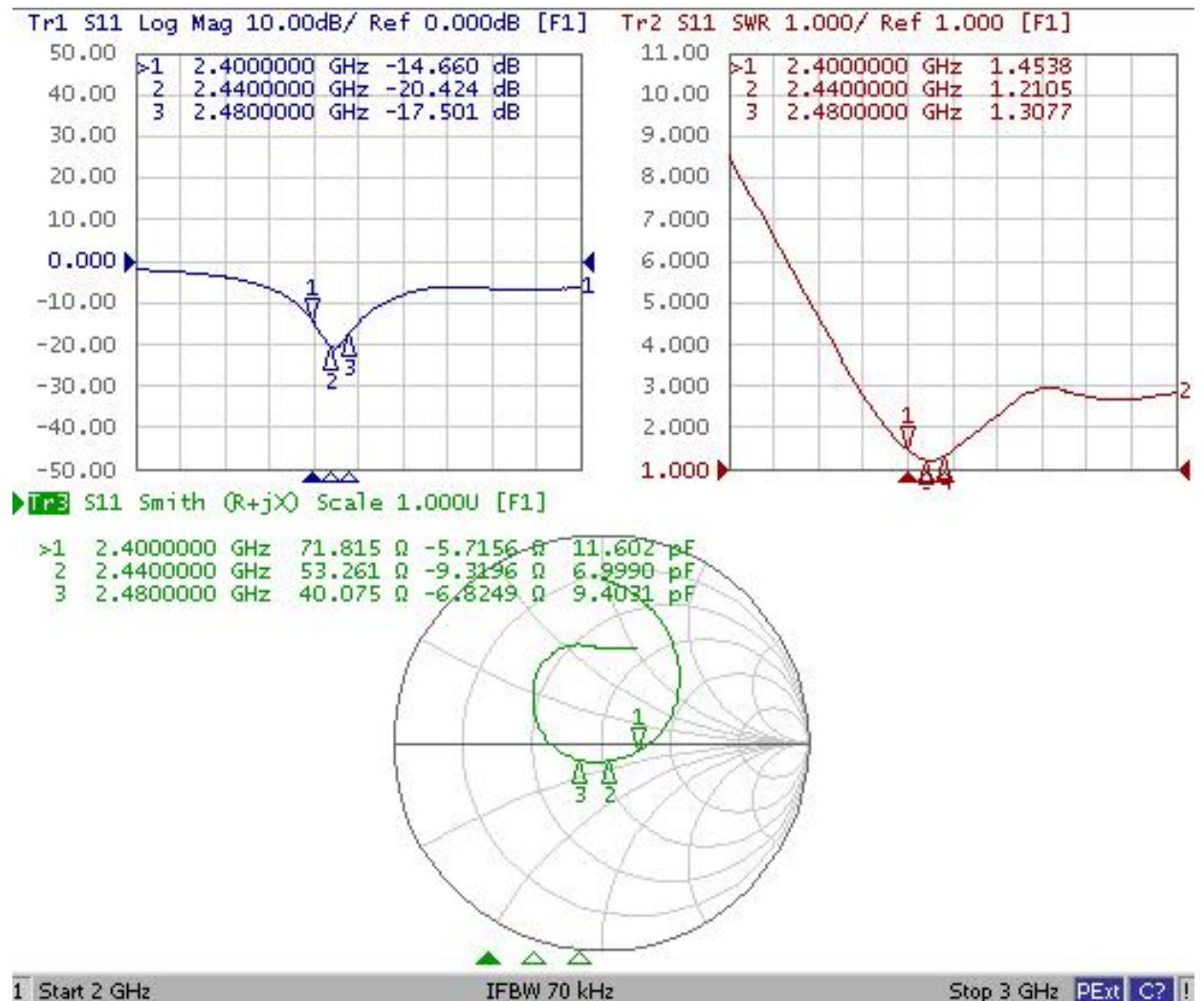
Inside the ETS anechoic chamber



Test Machine

2: Passive test report

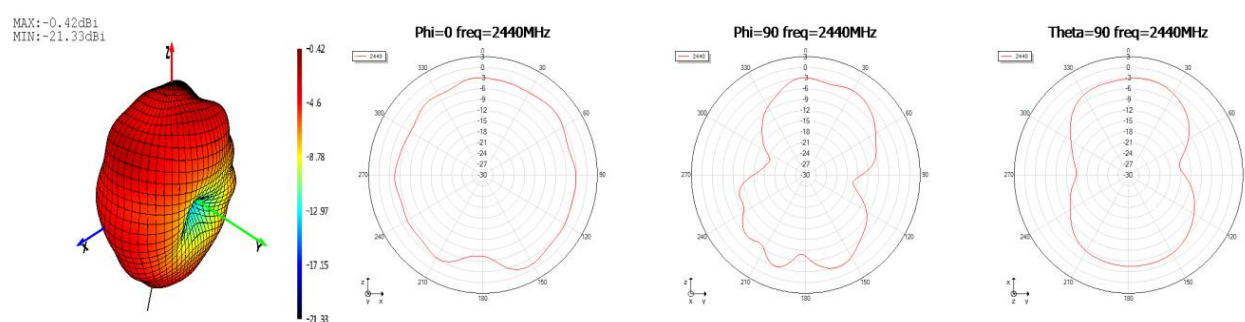
2.1: Antenna S11 parameters



2.2: Passive efficiency of antenna

频点 MHz	增益(dBi)	效率(dB)
2400	-1.05	30.83
2410	-1.01	30.7
2420	-0.98	30.42
2430	-0.64	31.22
2440	-0.42	32.02
2450	-0.23	32.55
2460	0.12	33.71
2470	0.3	34.7
2480	0.15	33.79

2.3: Passive pattern of BT antenna



3: Structural drawing-right

Description

The HCA3216A2450YF11 chip antenna is designed for WIFI /Bluetooth applications. This chip antenna offers excellent stability and consistently provides high signal reception efficiency.

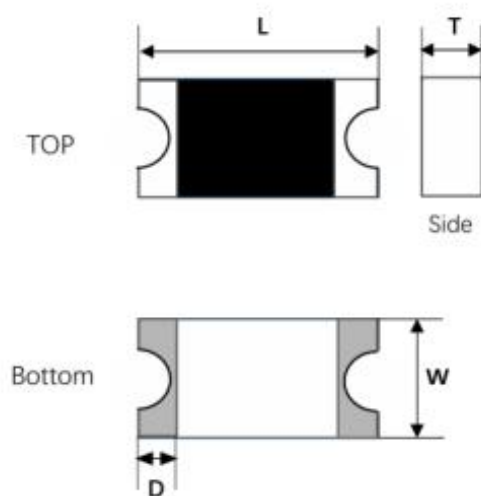
Applications

- Bluetooth earphone systems
- Hand-held devices when WIFI/Bluetooth functions are needed, e.g.
- Multiple-band Mobile phone antenna
- PHS
- FM, etc
- WLAN

Features

- Dimensions 3.2 x 1.6 x 1.2 (mm)
- Stable and reliable in performances
- Low temperature coefficient of frequency
- Low profile, compact size
- RoHS compliance
- SMT processes compatible

Dimensions /Recommended Pattern



NO.	Terminal Name
[1]	Input
[2]	NC

TYPE	L	W	D	T
HCA3216A2450YF11	3.2±0.2	1.6±0.2	0.2±0.1	1.2±0.1

4:Antenna diagram

