Antenna Sample Datasheet

entry name:	A6118-RX-Camera
Material category:	BT-Antenna
Antenna Type	Monopole
Antenna Material	Ceramics
edition:	A0
Date:	2026.08.31

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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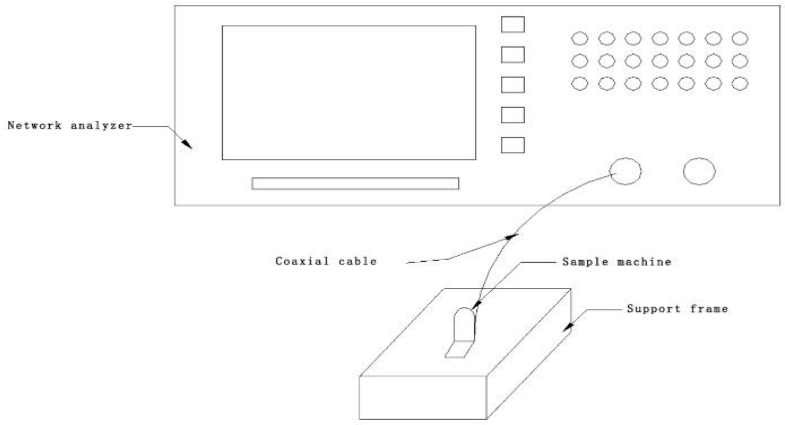
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1：Antenna test equipment

List of meters：Agilent 5071B;

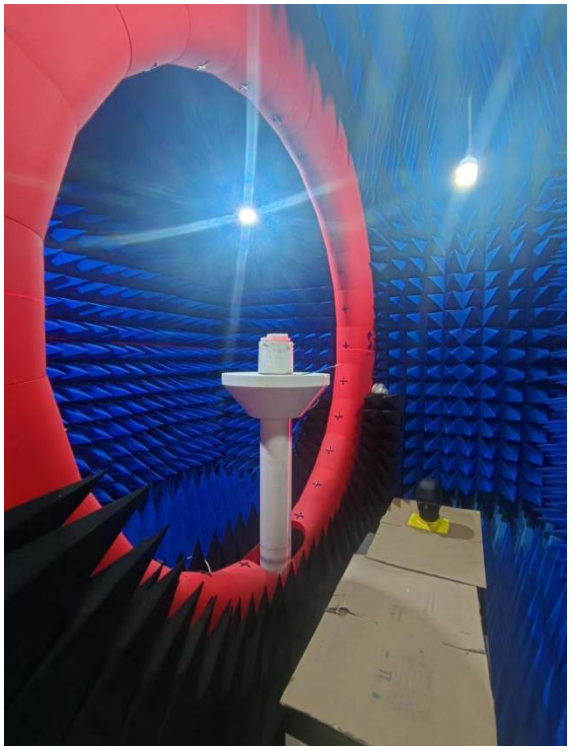


1.1The principle diagram of the ETS anochoic chamber



Picture1.Antenna static test connection method

1.2 Pictures of the ETS anochoic chamber



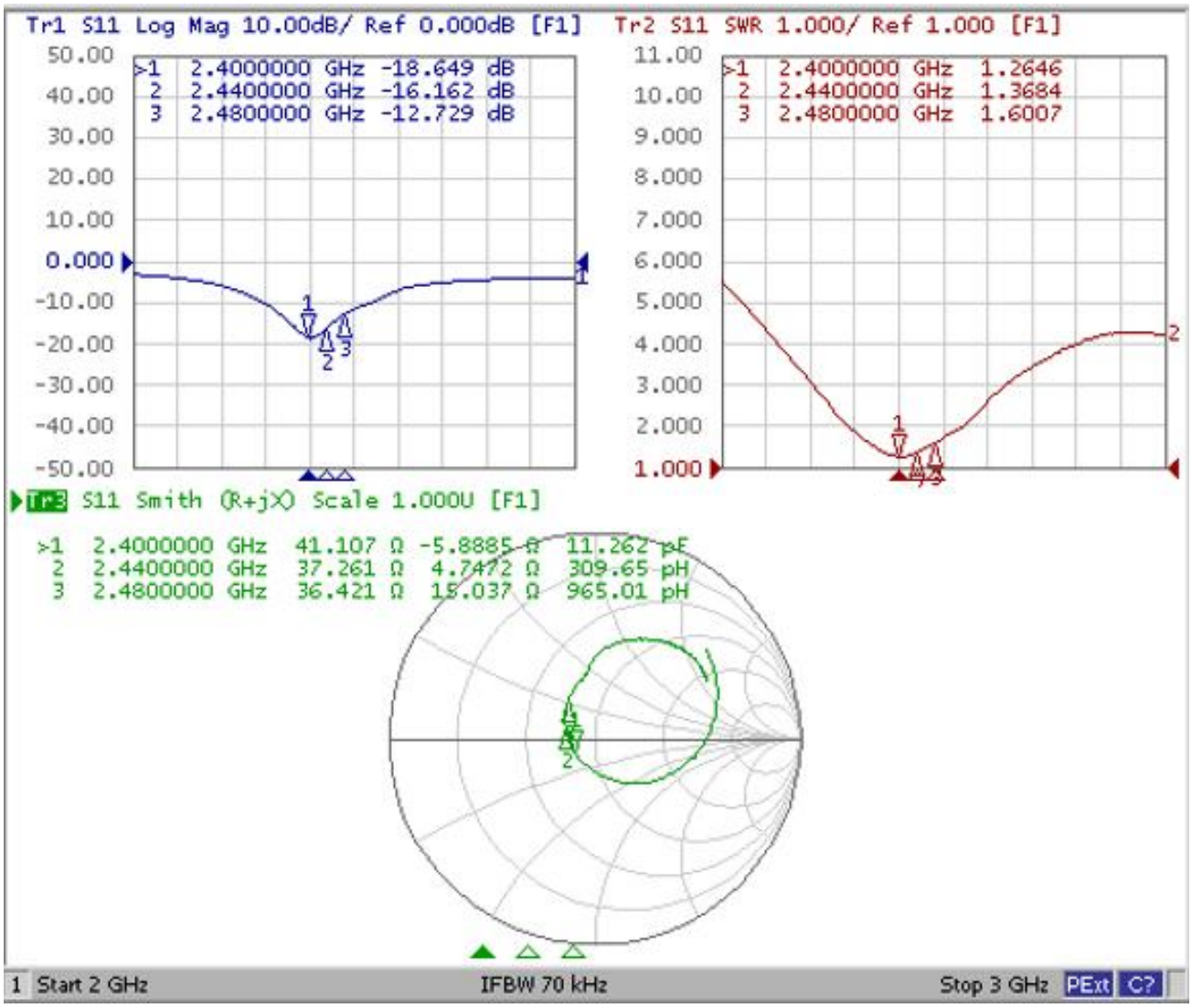
Inside the ETS anochoic chamber



Test Machine

2：Passive test report

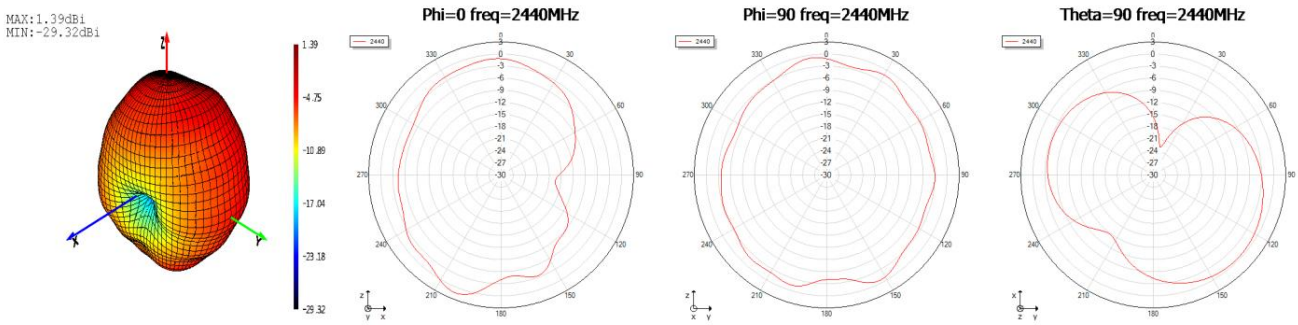
2.1： Antenna S11 parameters



2.2: Passive efficiency of antenna

频点 MHz	增益(dBi)	效率(dB)
2400	1.75	59.91
2410	1.61	59.86
2420	1.55	59.25
2430	1.45	56.31
2440	1.39	53.55
2450	1.38	53.12
2460	1.25	52.38
2470	1.39	53.12
2480	1.21	52.52

2.3: Passive pattern of BT antenna



3：Structural drawing-right

Description

The HCA3216A2450C10S chip antenna is designed for WiFi/Bluetooth applications. This chip antenna has excellent stability consistently provide high signal reception efficiency.



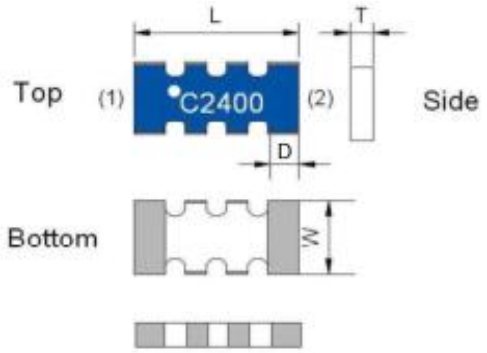
Features

- Dimensions 3.2 x 1.6 x 0.5 (mm)
- Stable and reliable in performances
- Low temperature coefficient of frequency
- Low profile , compact size
- RoHS compliance
- SMT processes compatible

Applications

- Bluetooth earphone systems
- Hand-held devices when WiFi /Bluetooth functions are needed, e.g., Smart phone.
- IEEE802.11 b/g/n
- ZigBee
- Wireless PCMCIA cards or USB dongle

Shape and Dimensions / Recommended Pattern



NO.	Terminal Name
[1]	Feeding point
[2]	GND

Dimensions in mm

TYPE	L	W	D	T
HCA3216A2450C10S	3.2±0.2	1.6±0.2	0.6±0.2	0.55±0.15

4:Antenna diagram

