

Antenna Sample Datasheet

customer:	Dongguan Hela Electronics Co., Ltd.
entry name:	H3S
Material category:	BT antenna
Antenna Type	Monopole
Antenna Material	onboard antenna
edition:	A0
Date:	2025. 7. 29

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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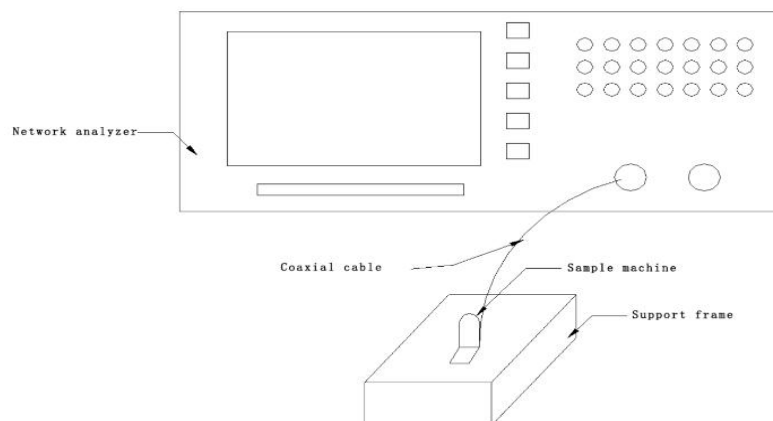
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1: Antenna test equipment

List of meters: Agilent 5071B;

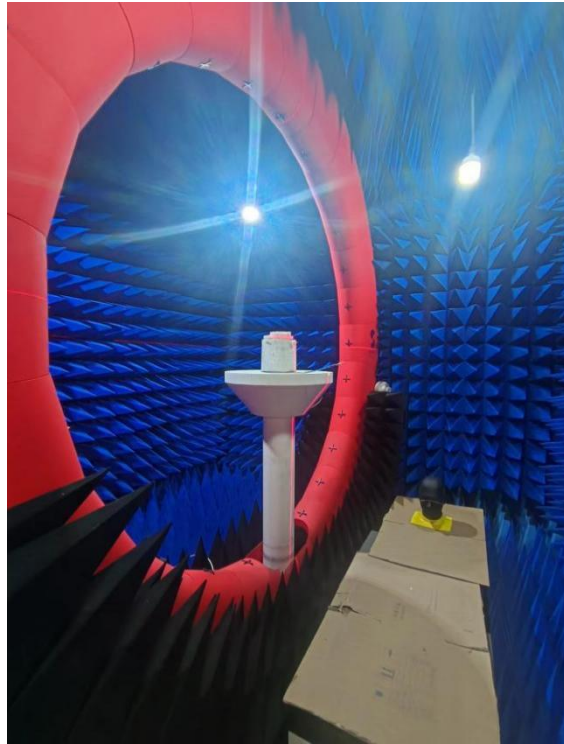


1.1 The principle diagram of the ETS anechoic chamber



Picture1. Antenna static test connection method

1.2 Pictures of the ETS anechoic chamber



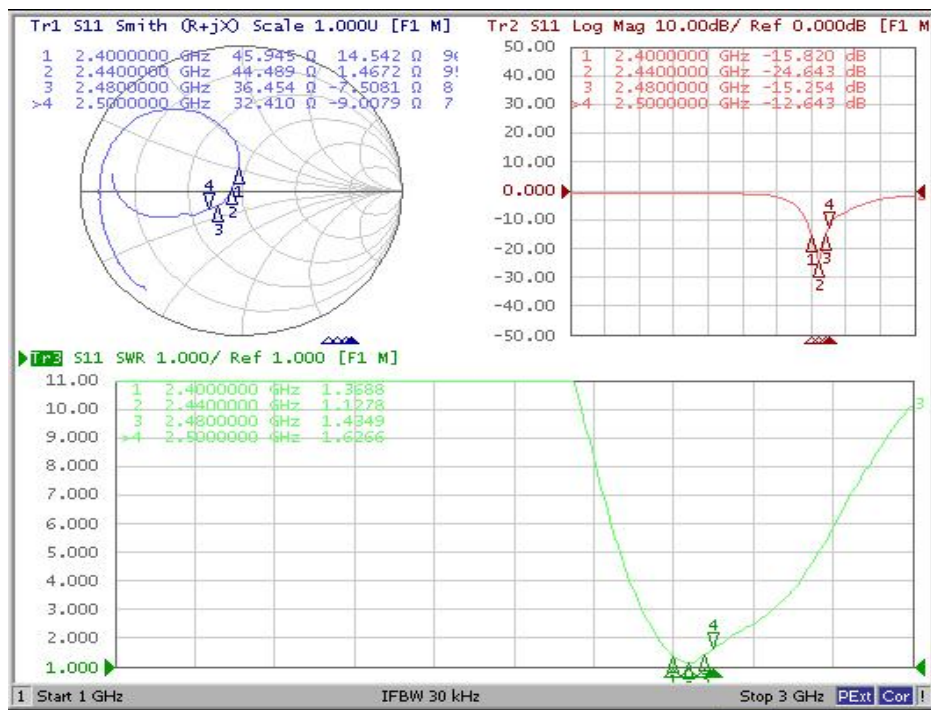
Inside the ETS anechoic chamber



Test Machine

2: Passive test report

2.1: antenna S11 parameters

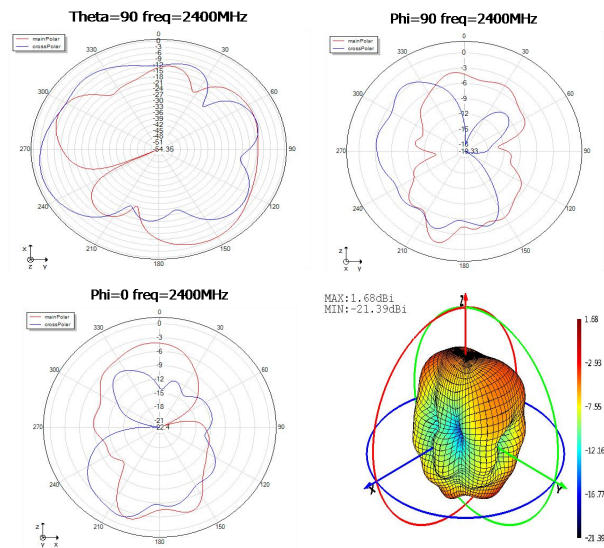


2.2: Passive efficiency of antenna

Freq(MHz)	Gain(dBi)	Efficiency(%)
2400	1.68	40.51
2410	2.03	42.99
2420	2.05	42.32
2430	2.27	41.69
2440	2.26	40.47
2450	2.44	40.46
2460	2.58	41.06
2470	2.87	43.22
2480	2.67	41.97

2.3: Passive pattern of BT antenna

2400MHz



3: Antenna diagram

