

Antenna Sample Datasheet

customer:	Dongguan Hankai Electronics Co., LTD
entry name:	A77-R
Material category:	BT antenna
Antenna Type	monopole
Antenna Material	FPC
edition:	A0
Date:	2026. 3. 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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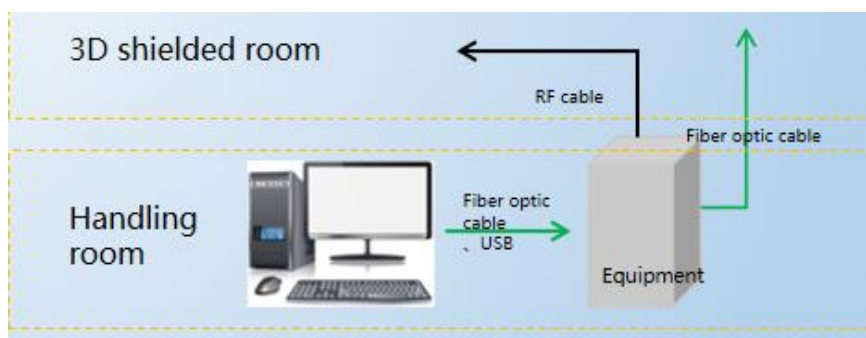
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1: Antenna test equipment

List of meters: Agilent 5071B;

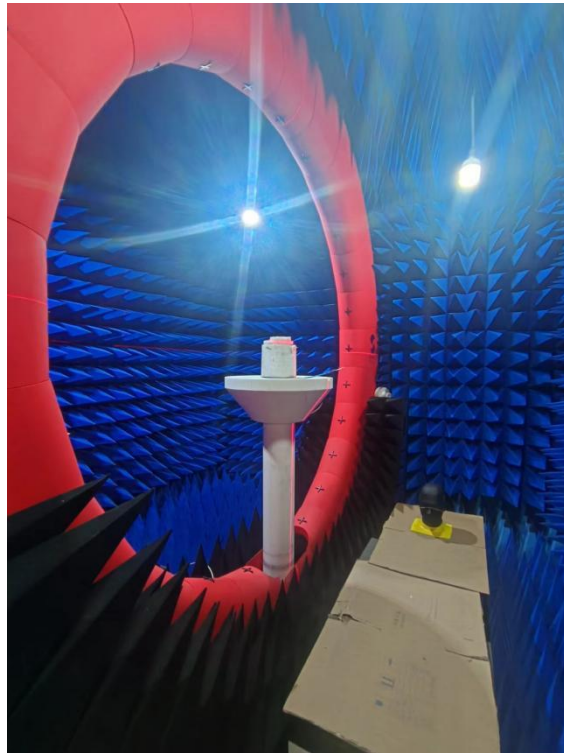


1.1 The principle diagram of the ETS anechoic chamber



Picture1. Antenna static test connection method

1.2 Pictures of the ETS anechoic chamber



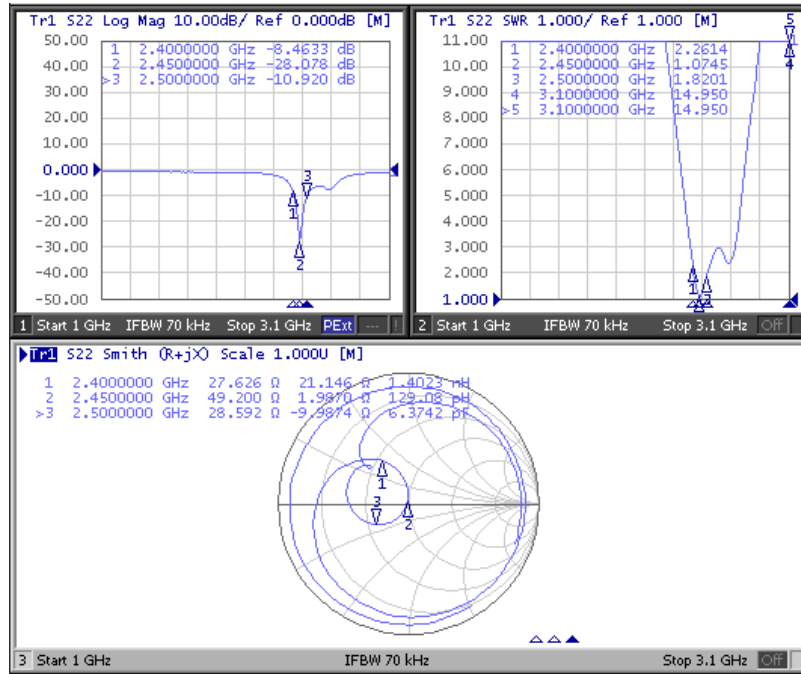
Inside the ETS anechoic chamber



Test Machine

2: Passive test report

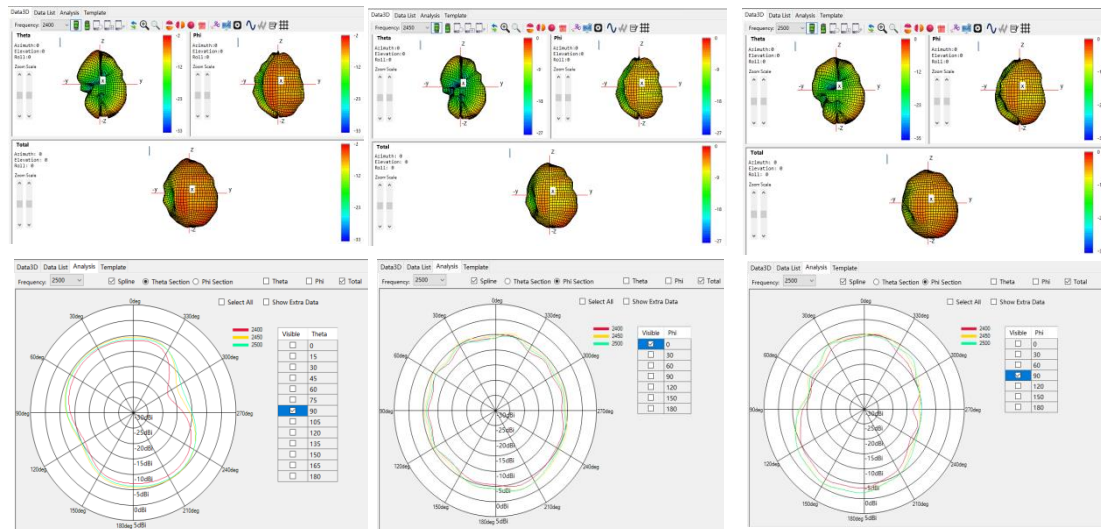
2.1: BT antenna S11 parameters



2.2: Passive efficiency of antenna

Freq(MHz)	Gain(dBi)	Efficiency(%)
2400	-2.29	21.88
2410	-1.90	23.88
2420	-1.57	25.66
2430	-1.18	27.43
2440	-1.0	29.11
2450	-1.16	29.23
2460	-1.19	29.27
2470	-1.32	29.36
2480	-1.4	28.74
2490	-1.77	28.04
2500	-1.84	27.35

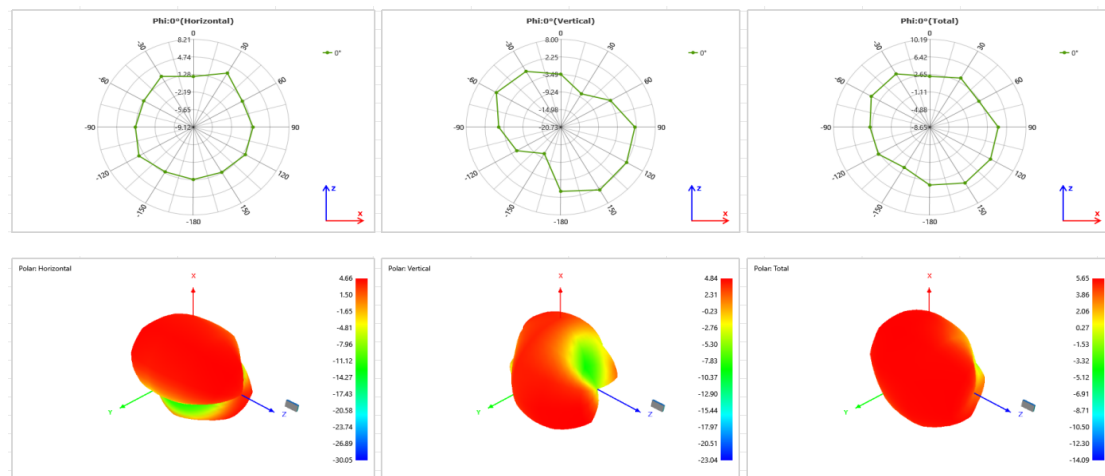
2.3: Passive pattern of BT antenna

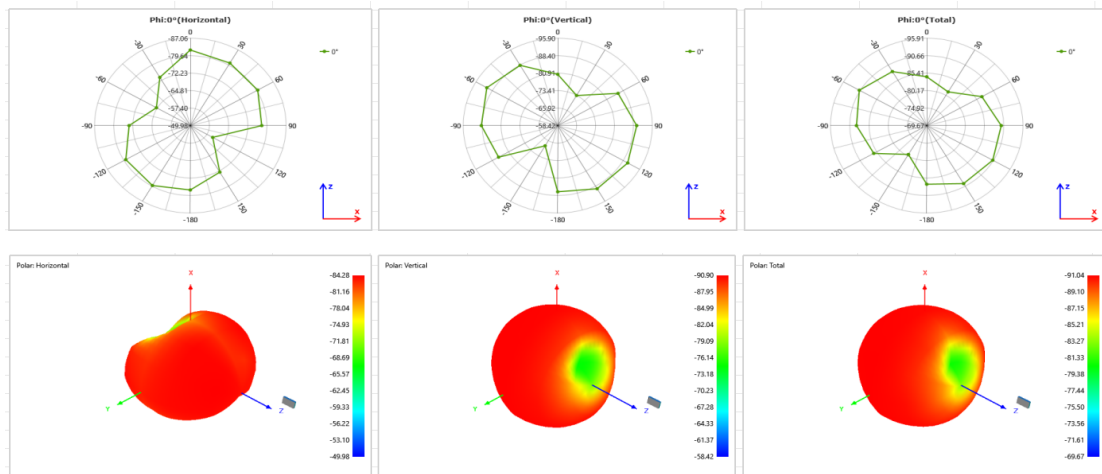


2.4: Active Data

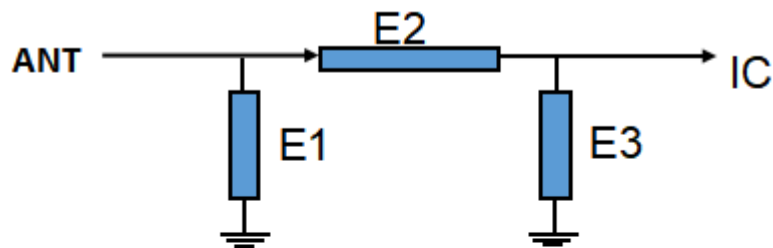
Free Space:

信道 Channel	TRP (dBm)	TIS (dBm)
0	1.74	-86.71
39	2.87	-88.18
78	2.2	-88.24





3: Matching circuit



Element	Value
E1	NC
E2	0R
E3	2.7PF

4: Structural drawing

