

customer:	Nexxbase Marketing Private Limited
name:	OC32B-R
Material category:	BT antenna
Antenna Type	PIFA
Antenna Material	FPC
edition:	A0
Date:	2026. 5. 8

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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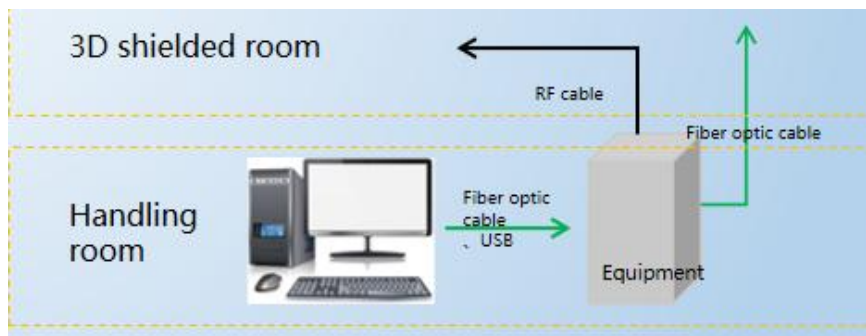
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1: Antenna test equipment

List of meters: Agilent 5071B;

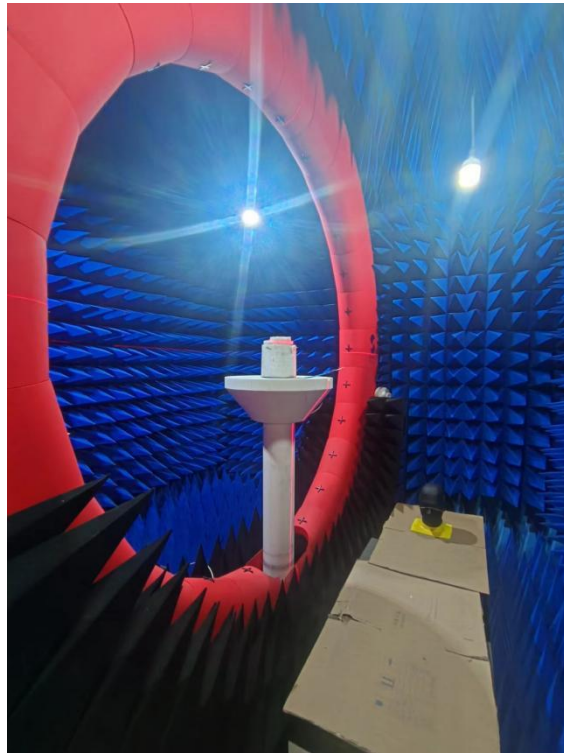


1.1 The principle diagram of the ETS anechoic chamber



Picture1. Antenna static test connection method

1.2 Pictures of the ETS anechoic chamber



Inside the ETS anechoic chamber



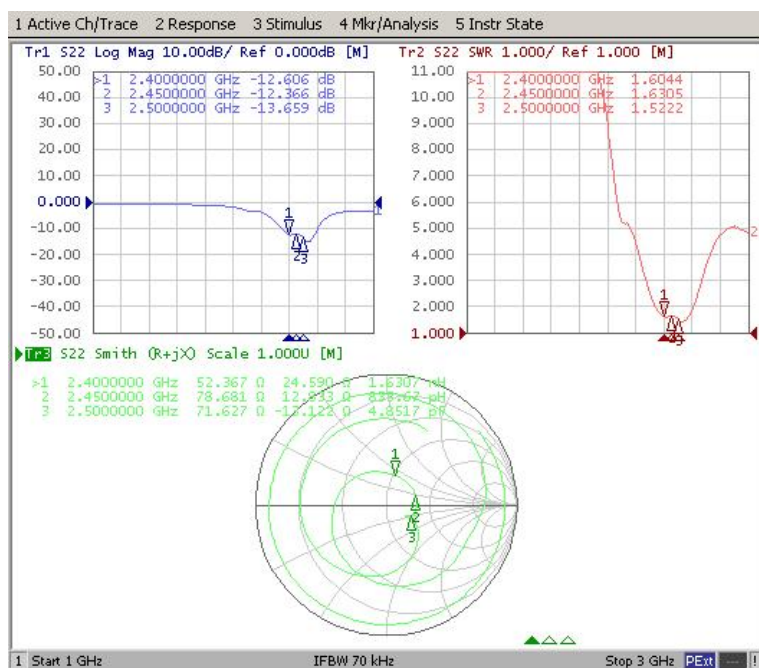
Test Machine

2: Antenna picture



3: Passive test report

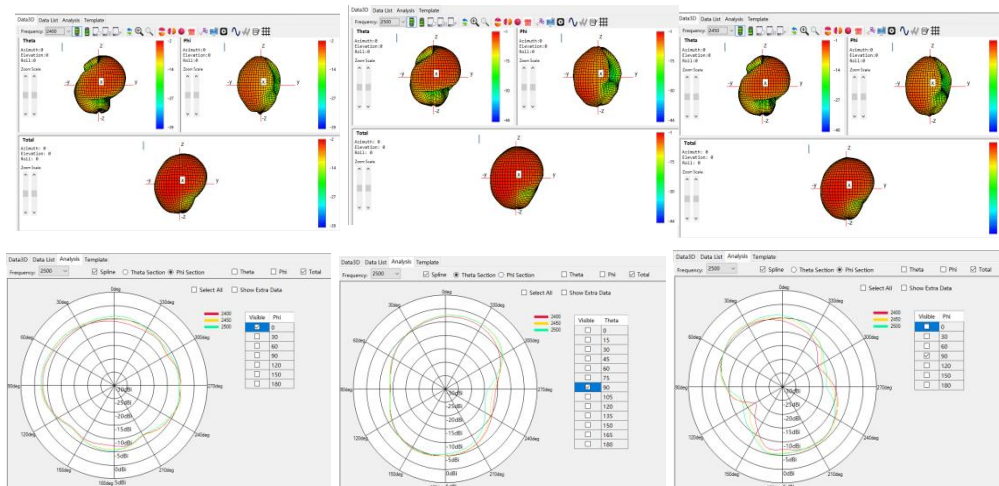
3.1: BT antenna S11 parameters



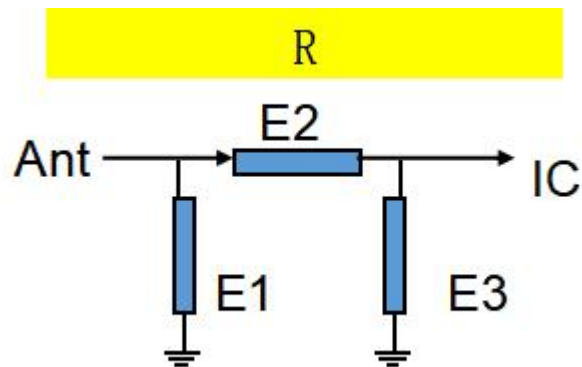
3.2: Passive efficiency of antenna

Freq(MHz)	Gain(dBi)	Efficiency(%)
2400	-2.67	23.93
2410	-2.43	24.74
2420	-2.2	25.62
2430	-1.99	24.42
2440	-1.87	24.9
2450	-1.84	24.91
2460	-1.78	24.83
2470	-1.79	24.05
2480	-1.78	24.09
2490	-1.88	24.78
2500	-2.67	23.93

3.3: Passive pattern of BT antenna



4: Matching circuit



Element	Value
E1	9.1NH
E2	1PF
E3	N/A

5: Structural drawing

