

Antenna Sample Datasheet

entry name:	W820NB Plus
Material category:	BT antenna
Antenne type	FPC
edition:	A0
Date:	2025. 03. 05

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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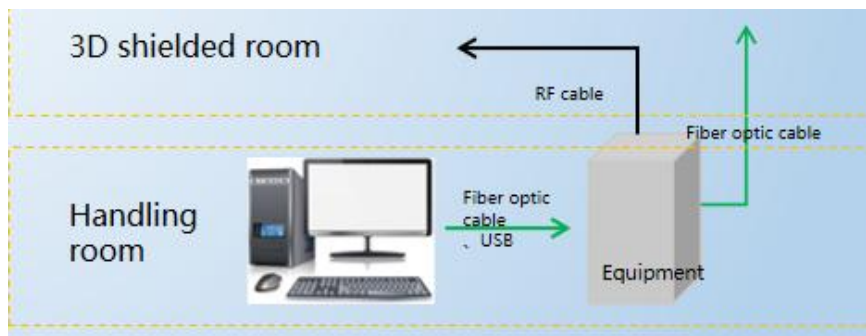
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1: Antenna test equipment

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



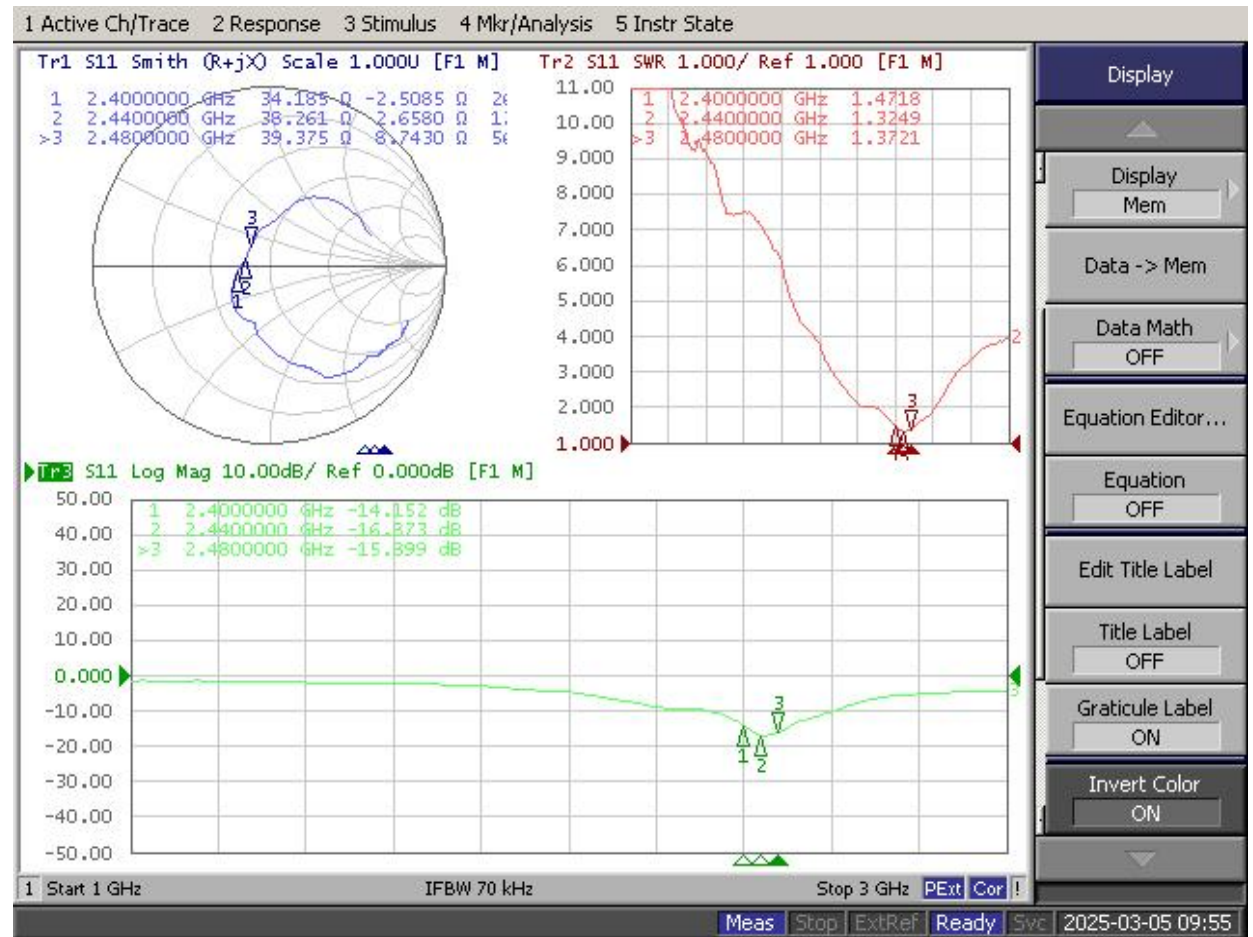
Inside the ETS anechoic chamber



Test Machine

2: Passive test report

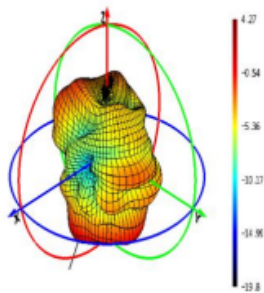
2.1: BT antenna S11 parameters



2.2: Passive efficiency of antenna

Freq(MHz)	Gain(dBi)	Efficiency(%)
2400	3.75	50.19
2410	3.88	51.41
2420	4.19	52.84
2430	4.25	54.12
2440	4.27	54.52
2450	3.93	53.13
2460	3.89	53.47
2470	3.75	52.13
2480	3.62	51.26

2.3: Passive pattern of BT antenna



3: Structural drawing

