

Antenna Sample Datasheet

customer:	Dongguan EDIFIER Technology Co., LTD
entry name:	W800BT Pro
Material category:	BT antenna
Antenna Type	Monopole
Antenna Material	PCBA
edition:	A0
Date:	2024. 3. 28

Contents

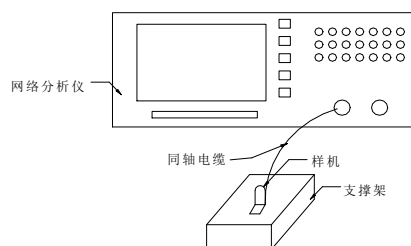
1: Antenna test equipment.....	1
2: Passive test report.....	3
3: Matching circuit.....	5
4: Structural drawing.....	6
5: Antenna diagram.....	7

1: Antenna test equipment

List of meters: Agilent 5071B;

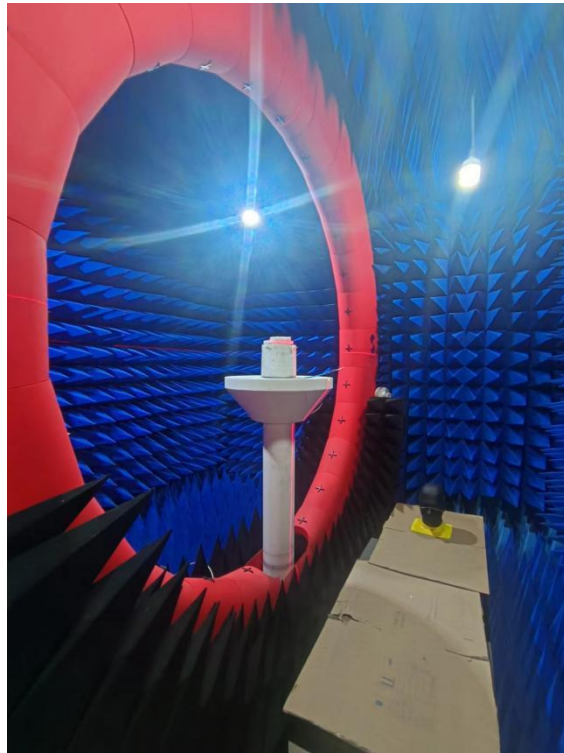


1.1 The principle diagram of the ETS anechoic chamber



Picture1. Antenna static test connection method

1.2 Pictures of the ETS anechoic chamber



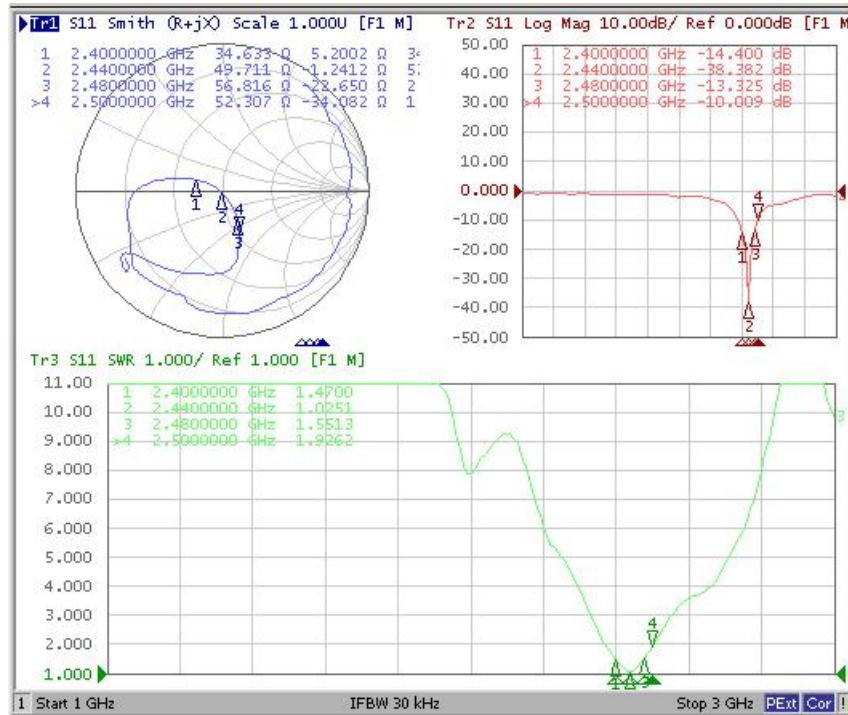
Inside the ETS anechoic chamber



Test Machine

2: Passive test report

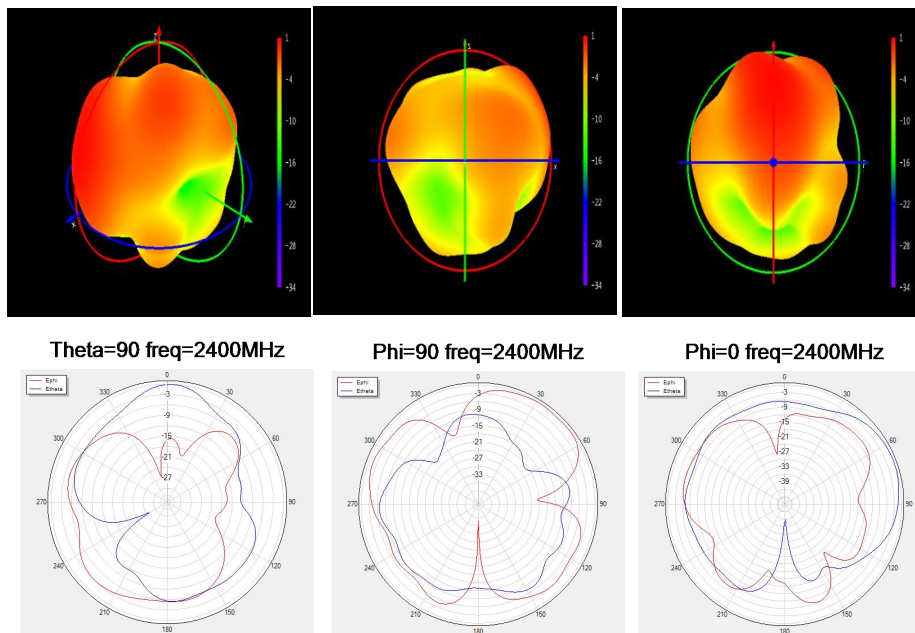
2.1: BT antenna S11 parameters



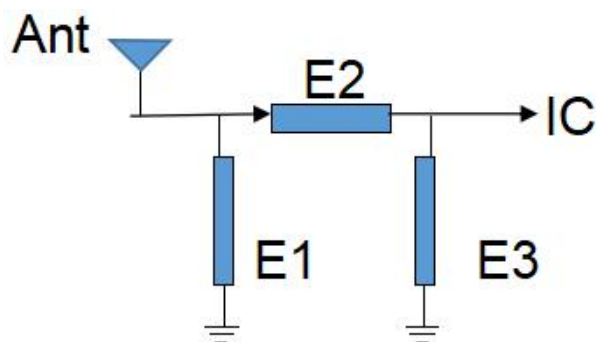
2.2: Passive efficiency of antenna

Freq(MHz)	Gain(dBi)	Efficiency(%)
2400	0.87	36.88
2410	0.94	37.76
2420	1.08	38
2430	1.3	38.12
2440	1.58	38.03
2450	1.74	38.12
2460	1.71	38.23
2470	1.48	38.27
2480	1.21	38.34

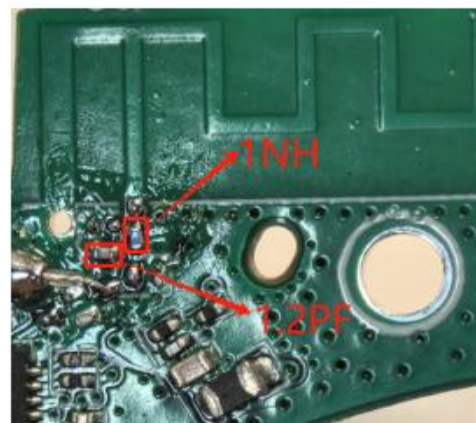
2.3: Passive pattern of BT antenna



3: Matching circuit



Element	Value
E1	N/A
E2	1NH
E3	1.2PF



4: Structural drawing

5: Antenna diagram

