

Antenna Sample Datasheet

customer:	Shenzhen Fangcheng Baiyi Technology Co., LTD
entry name:	EPA682
Material category:	BT antenna
Antenna Type	PIFA
Antenna Material	FPC
edition:	A0
Date:	2024. 4. 24

Contents

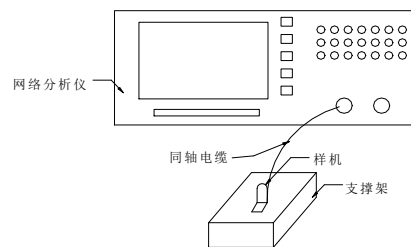
1: Antenna test equipment.....	1
2: Passive test report.....	3
3: Matching circuit.....	5
4: Structural drawing.....	6

1: Antenna test equipment

List of meters: Agilent 5071B;

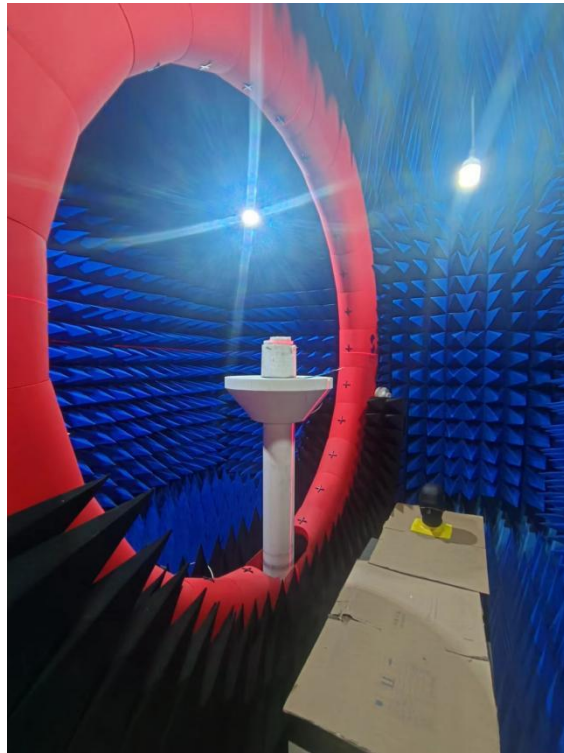


1.1 The principle diagram of the ETS anechoic chamber



Picture1. Antenna static test connection method

1.2 Pictures of the ETS anechoic chamber



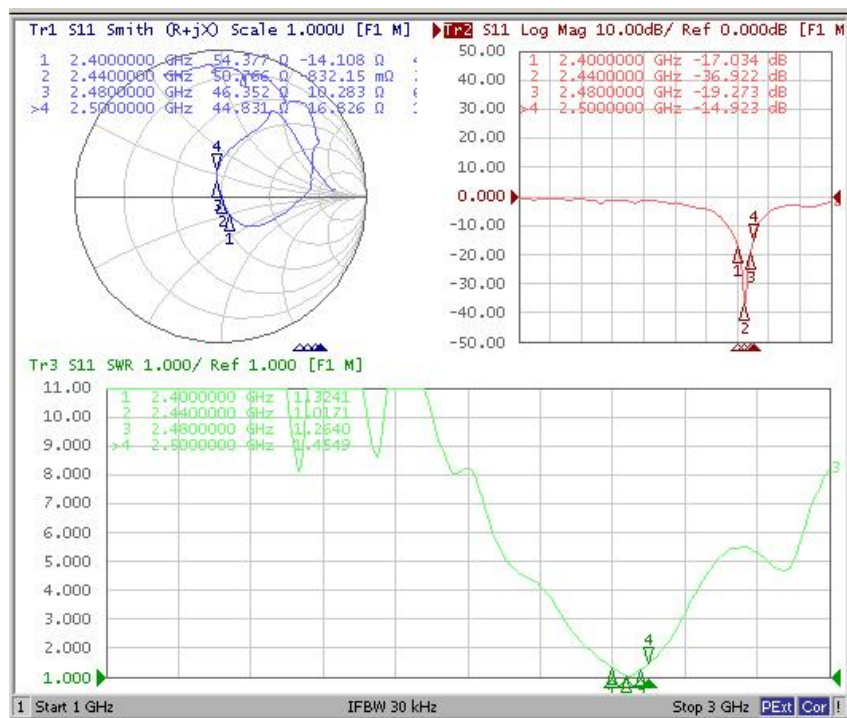
Inside the ETS anechoic chamber



Test Machine

2: Passive test report

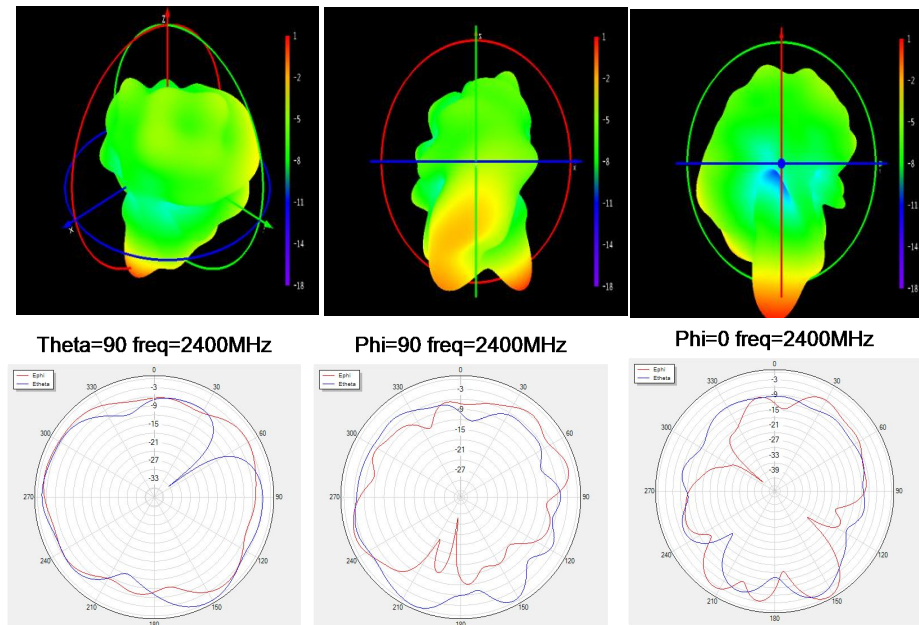
2.1: BT antenna S11 parameters



2.2: Passive efficiency of antenna

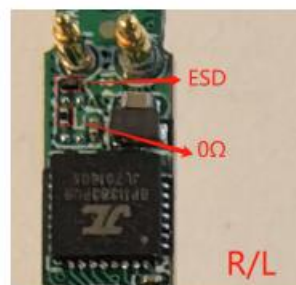
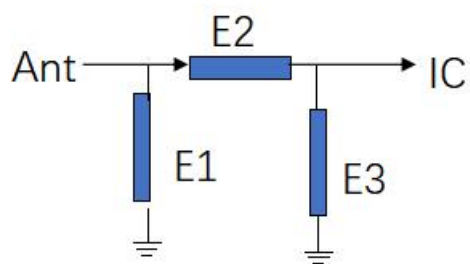
Freq(MHz)	Gain(dBi)	Efficiency(%)
2400	0.68	26.8
2410	0.79	28.04
2420	0.95	28.85
2430	1.11	29.06
2440	1.35	29.07
2450	1.53	28.99
2460	1.52	28.74
2470	1.35	28.56
2480	1.15	27.53
AVG	1.16	28.40

2.3: Passive pattern of BT antenna



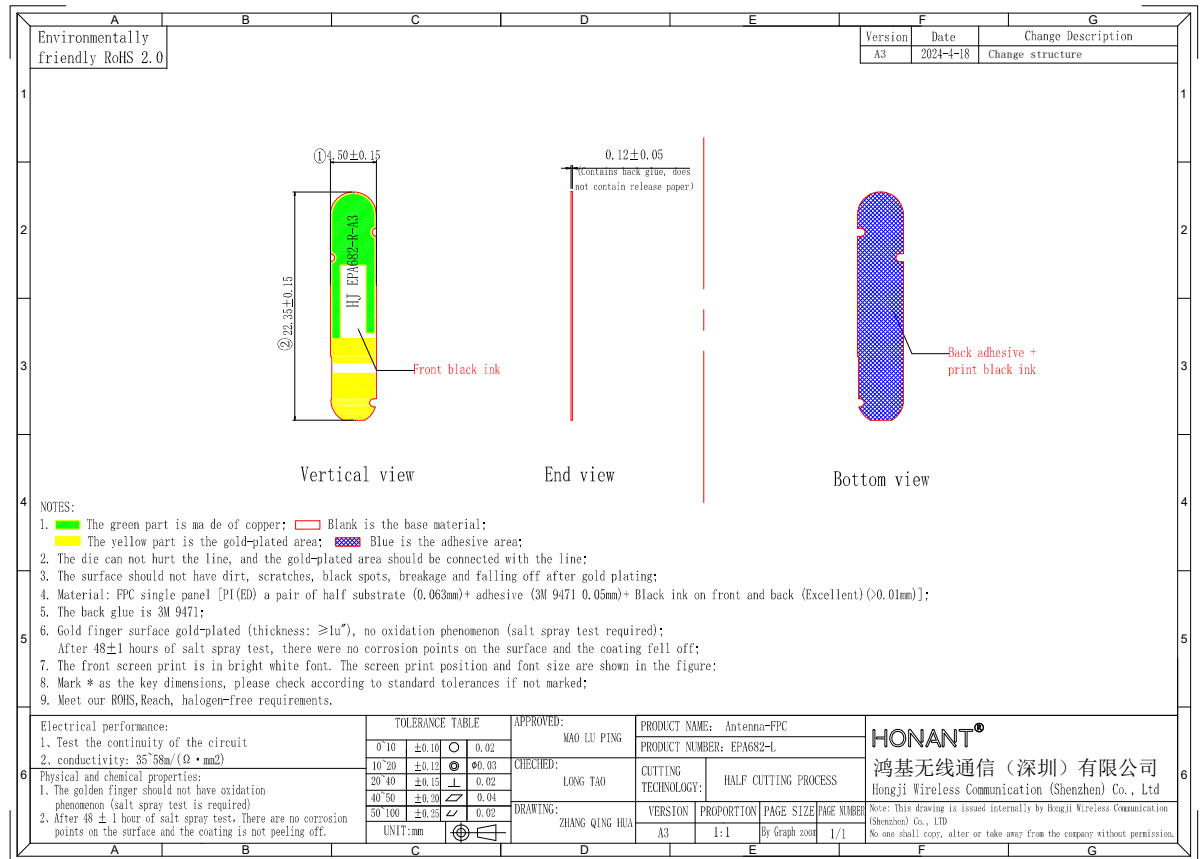
3: Matching circuit

Left/Right



Element	Value
E1	N/A
E2	0R
E3	N/A

4: 4.1 Structural drawing-Left



4: 4.2 Structural drawing-Right

