

Antenna Sample Datasheet

entry name:	H1
Material category:	BT antenna
Antenna Material	FPC
edition:	A0
Date:	2024.1.4



深圳市宇鸿实业有限公司

Shenzhen Yuhong Industrial Co., Ltd

Contents

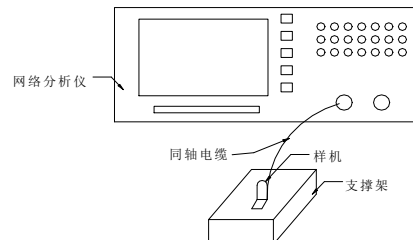
1: Antenna test equipment.....	1
2: Passive test report.....	3
3: Matching circuit.....	5
4: Structural drawing.....	6
5: Antenna diagram.....	7

1: Antenna test equipment

List of meters: Agilent 5071B;

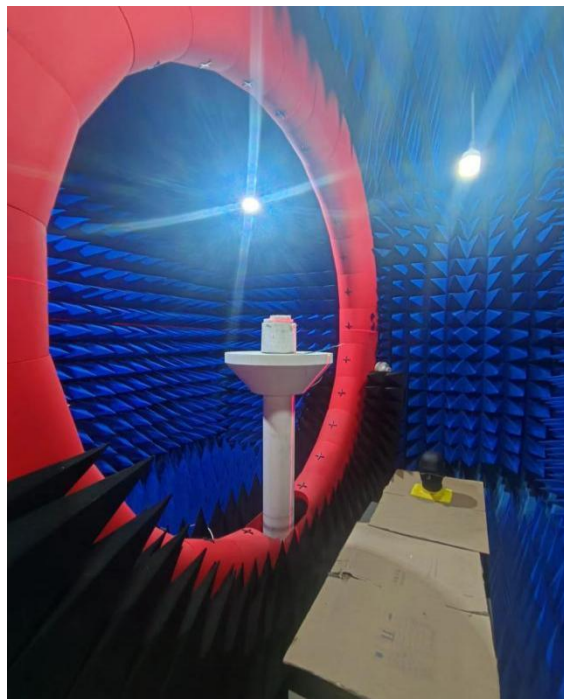


1.1 The principle diagram of the ETS anechoic chamber



Picture1. Antenna static test connection method

1.2 Pictures of the ETS anechoic chamber



Inside the ETS anechoic chamber

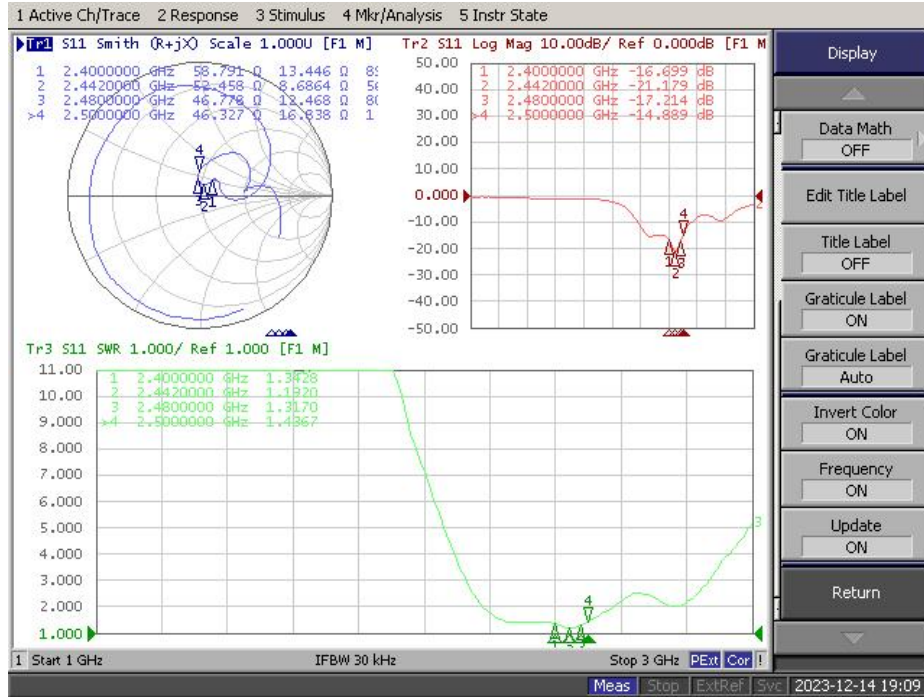


Test Machine



2: Passive test report

2.1: BT antenna S11 parameters

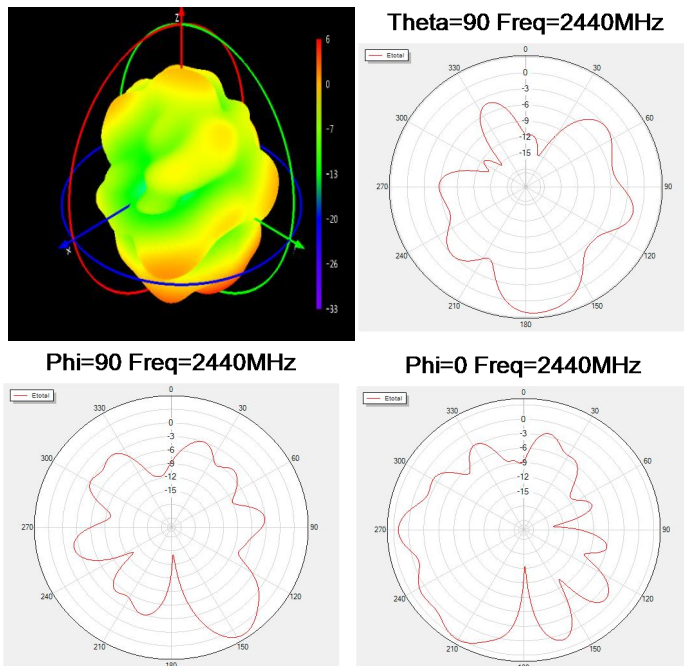




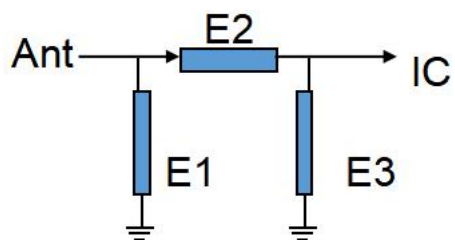
2.2: Passive efficiency of antenna

2400-2480MHz		
Freq(MHz)	Gain(dBi)	Efficiency(%)
	free space	free space
2400	2.44	52.43
2410	2.36	53.90
2420	2.15	54.45
2430	1.87	54.22
2440	1.52	53.35
2450	1.24	52.70
2460	1.00	51.93
2470	1.78	51.10
2480	1.56	50.25
Mean value	1.77	52.7

2.3: Passive pattern of BT antenna



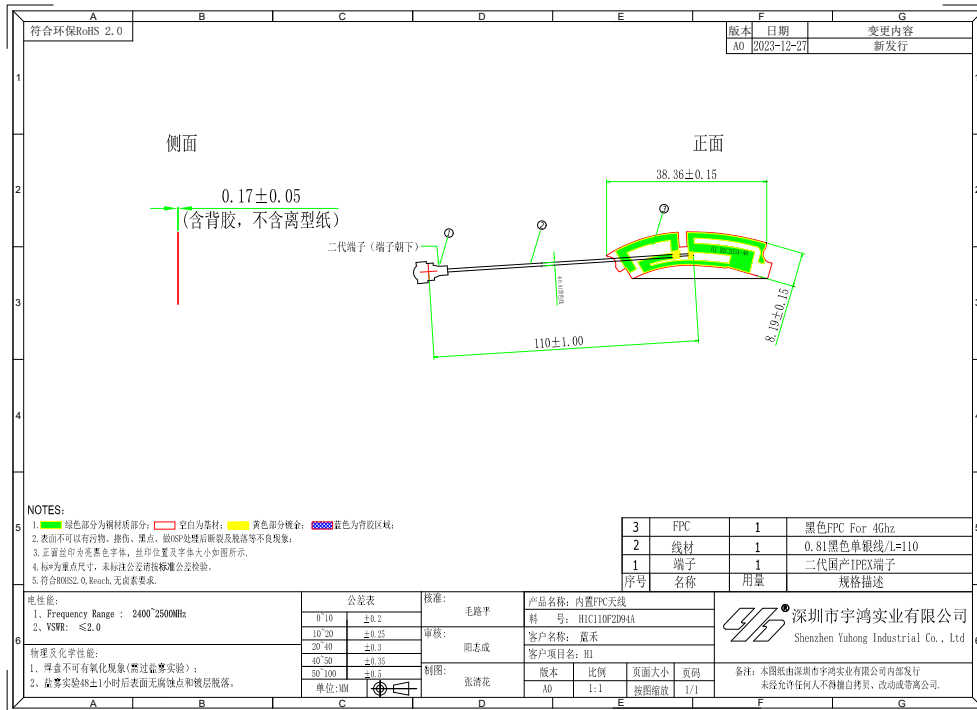
3: Matching circuit



Element	Value
E1	N/C
E2	0Ω
E3	N/C



4: Structural drawing



5: Antenna diagram

