

Antenna Sample Datasheet

customer:	Dongguan yuanfenglun Technology Co., LTD
entry name:	JH4013
Material category:	BT antenna
Antenna Type	PIFA
Antenna Material	Chip ANT
edition:	A0
Date:	2024. 6. 20

Contents

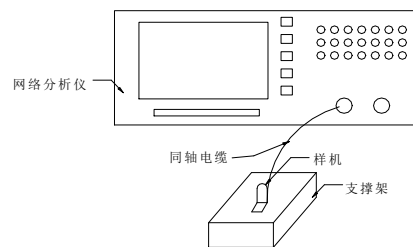
1: Antenna test equipment.....	1
2: Passive test report.....	3
3: Matching circuit.....	4
4: Structural drawing.....	5
5: Antenna diagram.....	5

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



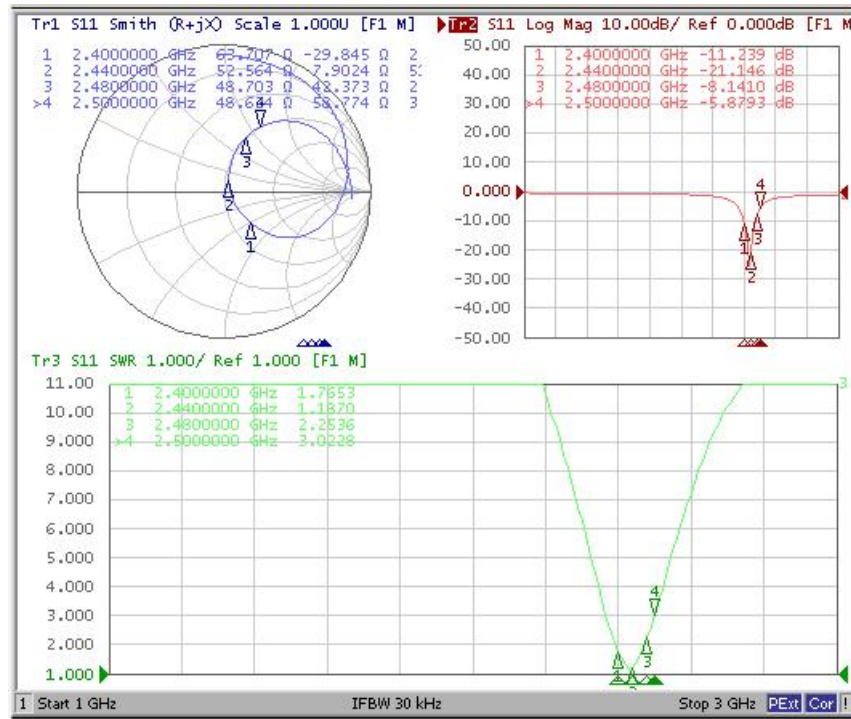
Inside the ETS anechoic chamber



Test Machine

2: Passive test report

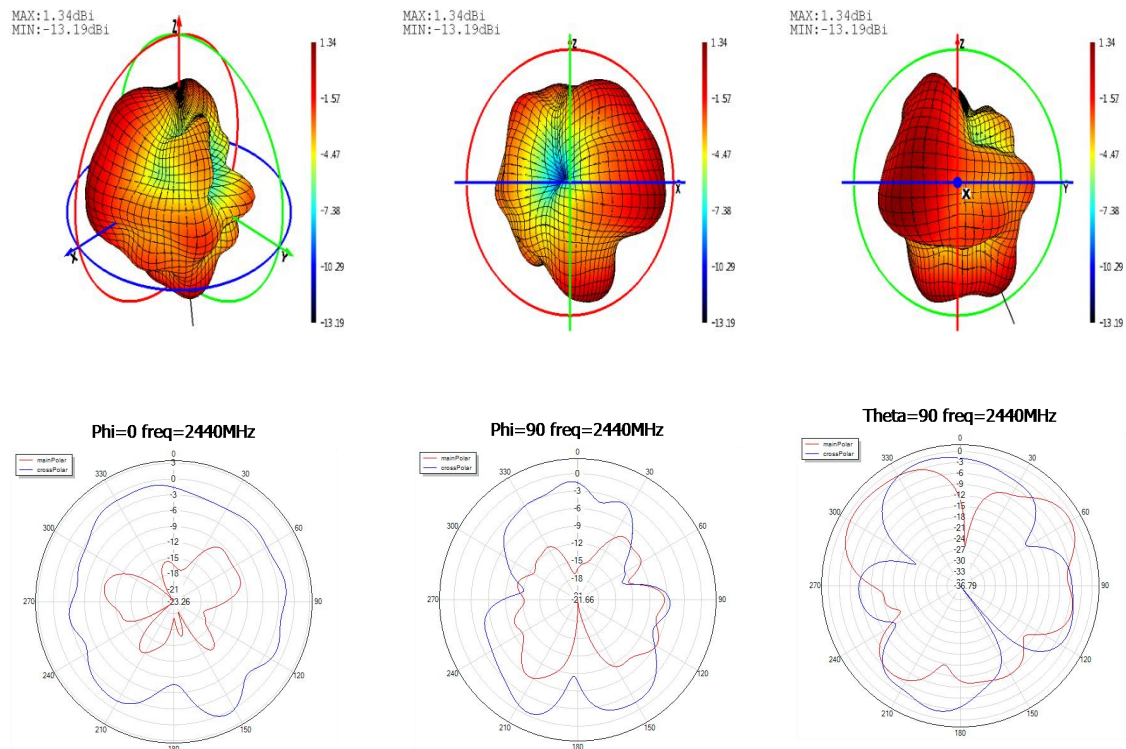
2.1: BT antenna S11 parameters



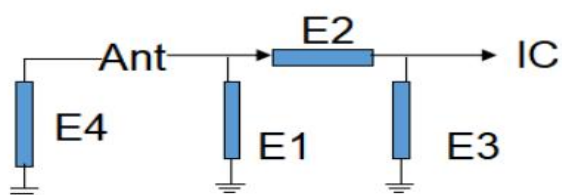
2.2: Passive efficiency of antenna

Freq(MHz)	Gain(dBi)	Efficiency(%)
2400	1.05	42.91
2410	1.13	46.64
2420	1.57	51.02
2430	1.56	51.98
2440	1.34	49.80
2450	1.30	47.55
2460	1.23	46.34
2470	1.04	41.76
2480	1.01	40.13

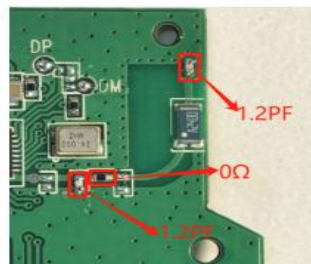
2.3: Passive pattern of BT antenna



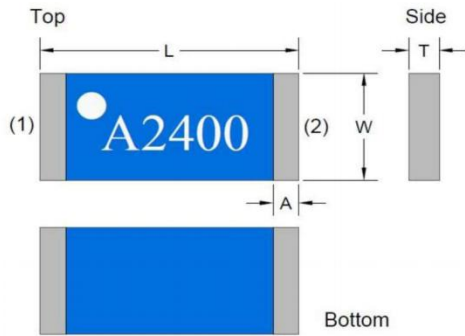
3: Matching circuit



Element	Value
E1	N/A
E2	0 Ω
E3	1.2PF
E4	1.2PF



4: tructural drawing



NO.	Terminal Name
[1]	Feeding point
[2]	GND

Dimensions in mm				
TYPE	L	W	D	T
HCA3216B2450C12S	3.05±0.1	1.6±0.2	0.4±0.2	0.55±0.2

5: Antenna diagram

