

## Antenna Sample Datasheet

customer:	Dongguan yuanfenglun Technology Co., LTD
entry name:	JLab Studio Pro+
Material category:	BT antenna
Antenna Type	Ceramic Chip Anten
Antenna Material	Chip ANT
edition:	A0
Date:	2024. 6. 17

# Contents

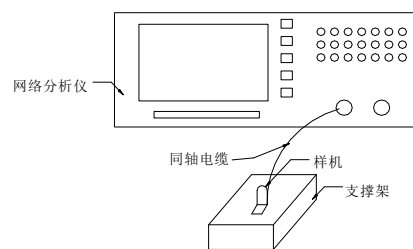
1: Antenna test equipment.....	1
2: Passive test report.....	3
3: Matching circuit.....	4
4: Structural drawing.....	5
5: Antenna diagram.....	5

## 1: Antenna test equipment

List of meters: Agilent 5071B;

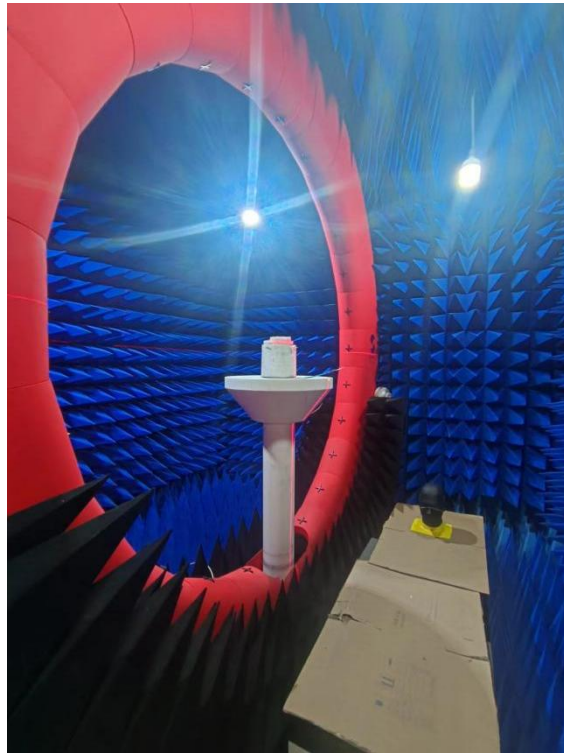


### 1.1 The principle diagram of the ETS anechoic chamber



Picture1. Antenna static test connection method

## 1.2 Pictures of the ETS anechoic chamber



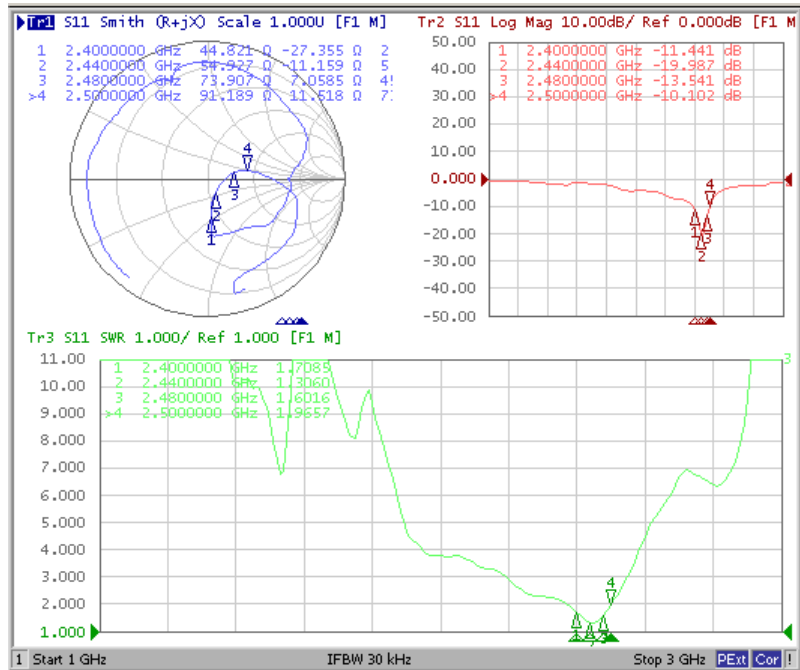
Inside the ETS anechoic chamber



Test Machine

## 2: Passive test report

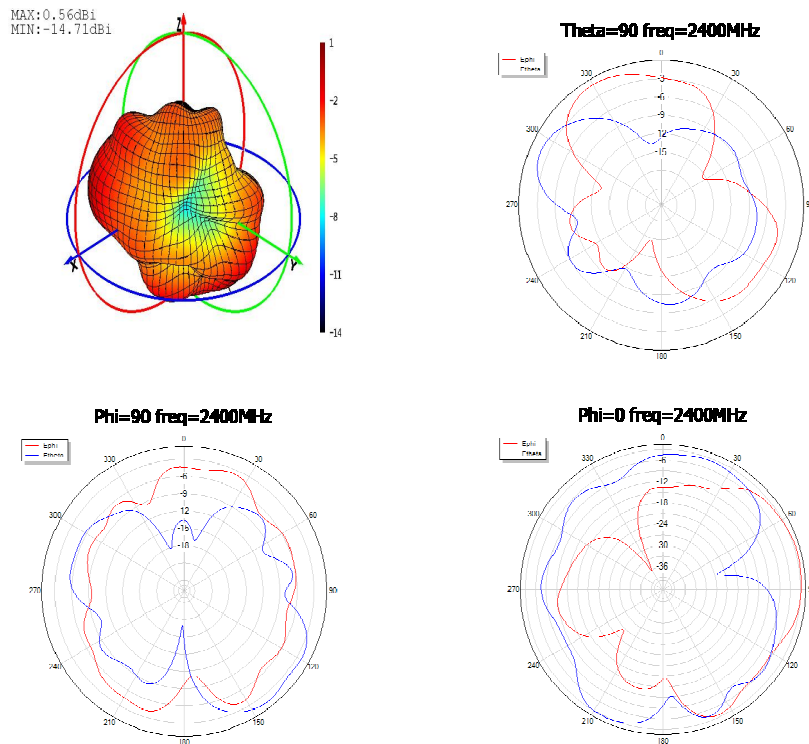
### 2.1: BT antenna S11 parameters



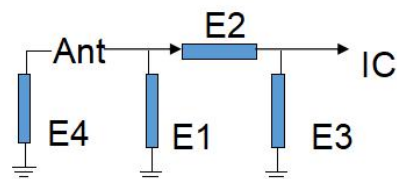
### 2.2: Passive efficiency of antenna

Freq(MHz)	Gain(dBi)	Efficiency(%)
2400	0.56	43.03
2410	0.91	44.3
2420	1.18	45.84
2430	1.33	47.27
2440	1.31	47.17
2450	1.6	47.77
2460	1.98	48.19
2470	2.26	49.84
2480	2.5	51.22

### 2.3: Passive pattern of BT antenna



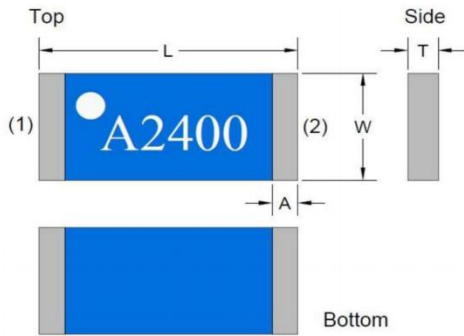
### 3: Matching circuit



Element	Value
E1	NC
E2	0R
E3	NC
E4	0.2PF



#### 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

