

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

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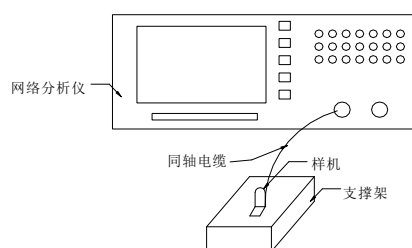
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1: Antenna test equipment

List of meters: Agilent 5071B;

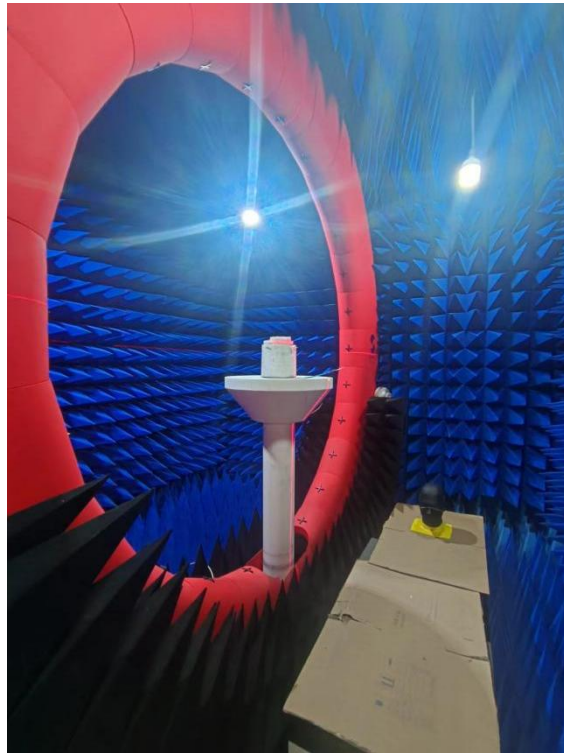


1.1 The principle diagram of the ETS anechoic chamber



Picture1. Antenna static test connection method

1.2 Pictures of the ETS anechoic chamber



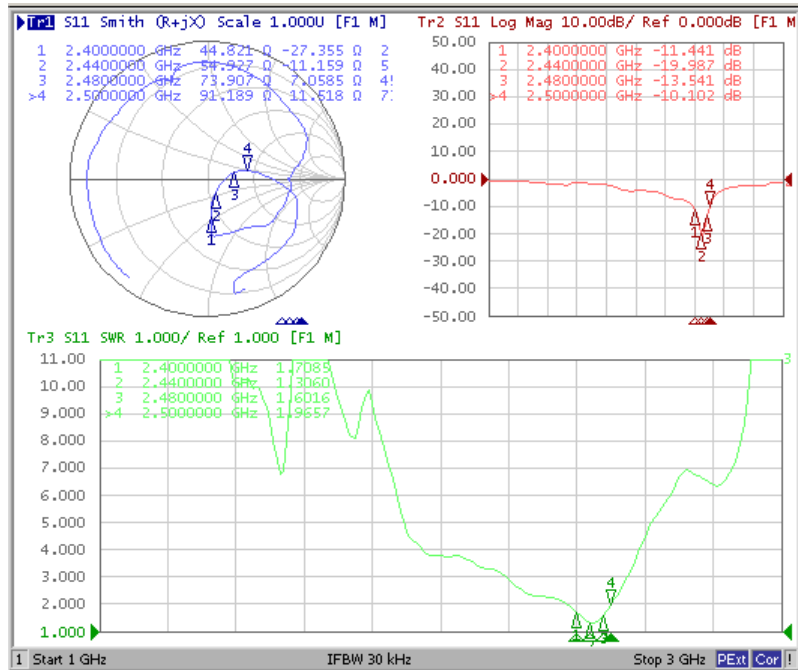
Inside the ETS anechoic chamber



Test Machine

2: Passive test report

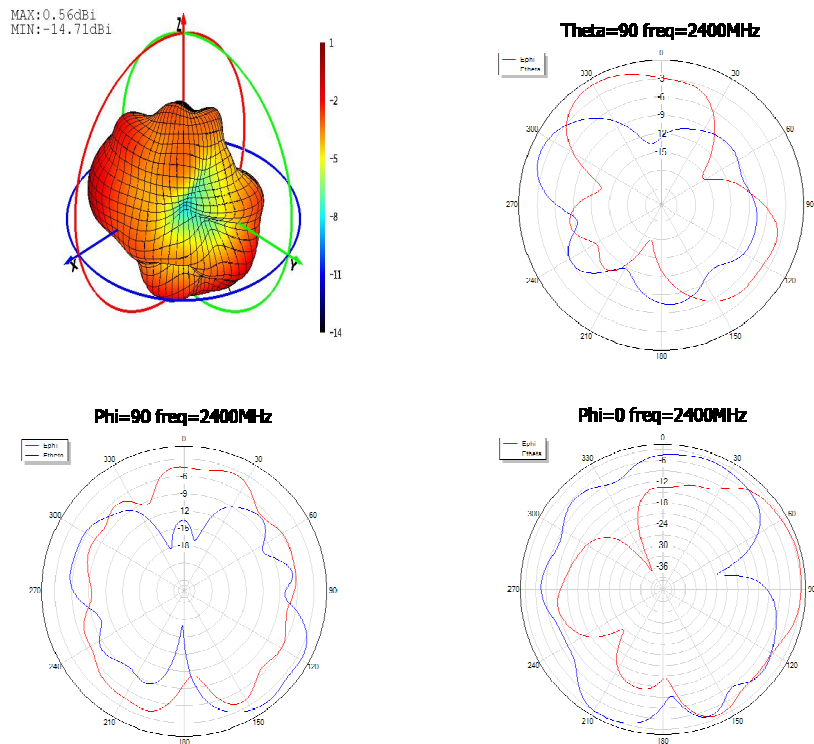
2.1: BT antenna S11 parameters



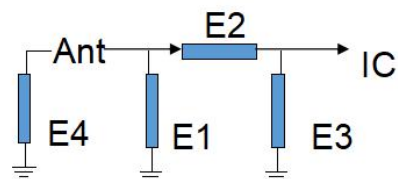
2.2: Passive efficiency of antenna

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

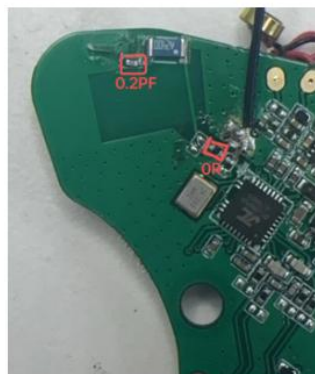
2.3: Passive pattern of BT antenna



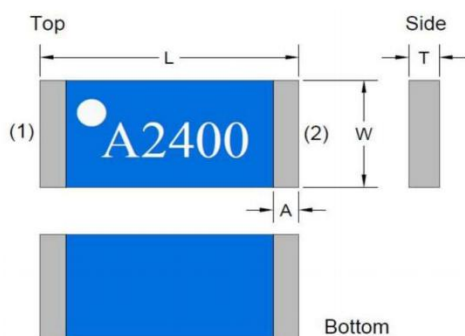
3: Matching circuit



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

