

Antenna Sample Datasheet

customer:	Dongguan Hele Electronics Co., LTD
entry name:	DT11
Material category:	BT antenna
Antenna Material	Ceramic
edition:	A0
Date:	2024. 11. 12

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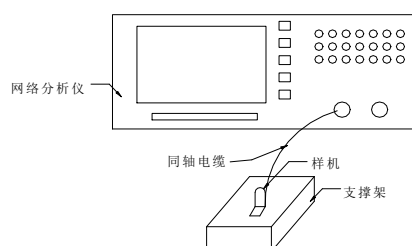
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1: Antenna test equipment

List of meters: Agilent 5071B;



1.1The principle diagram of the ETS anechoic chamber



Picture1.Antenna static test connection method

1.2 Pictures of the ETS anechoic chamber



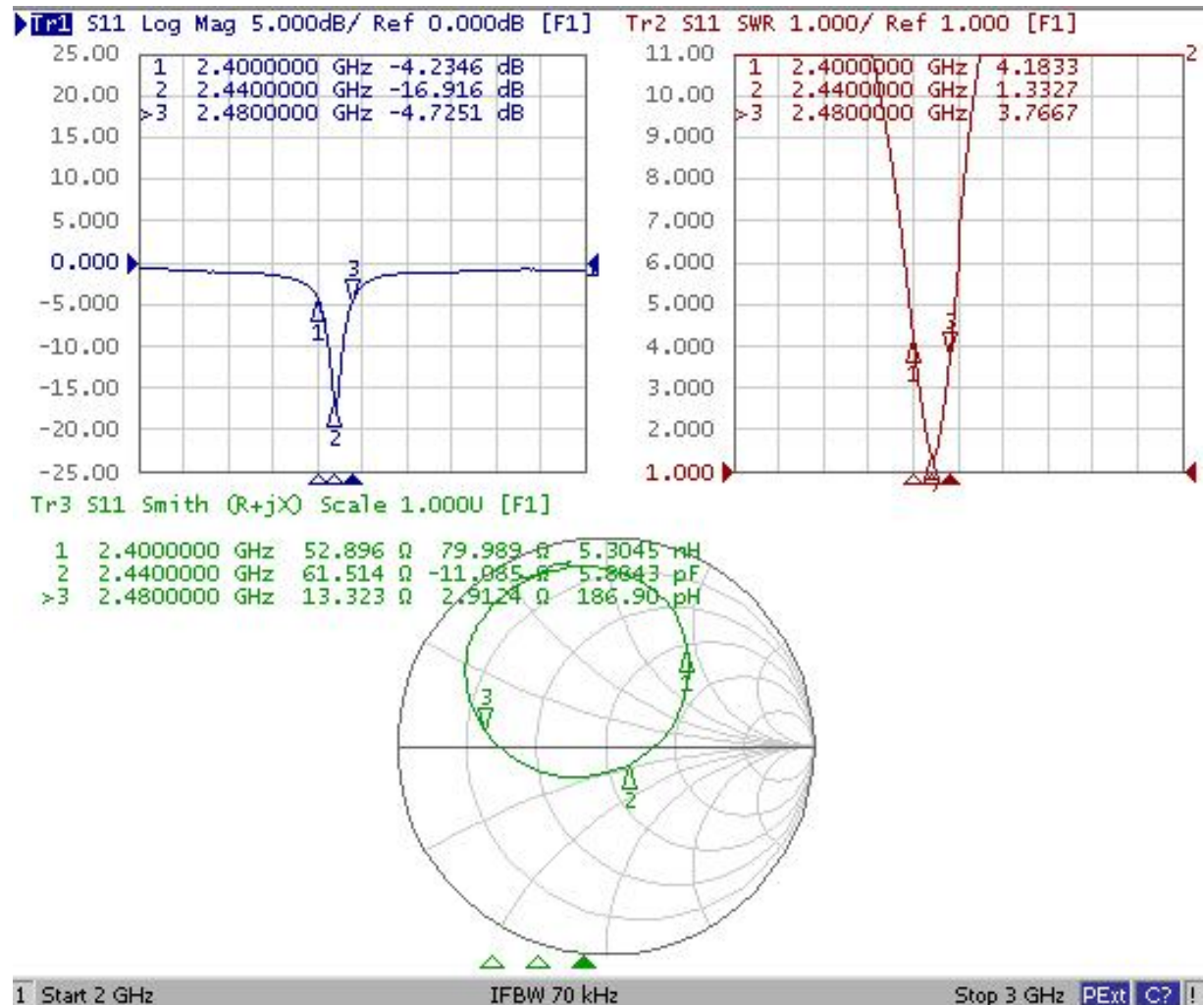
Inside the ETS anechoic chamber



Test Machine

2: Passive test report

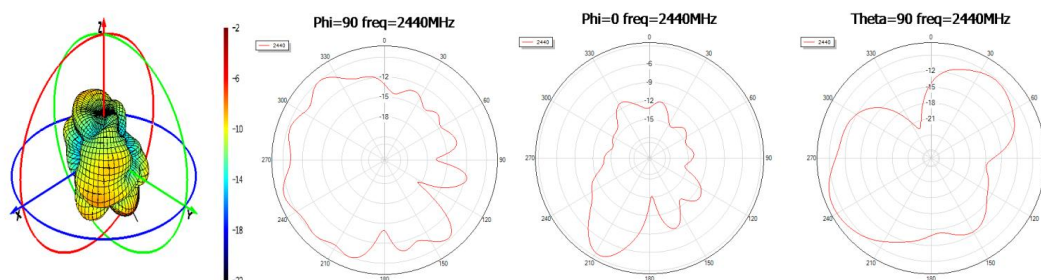
2.1: BT antenna S11 parameters



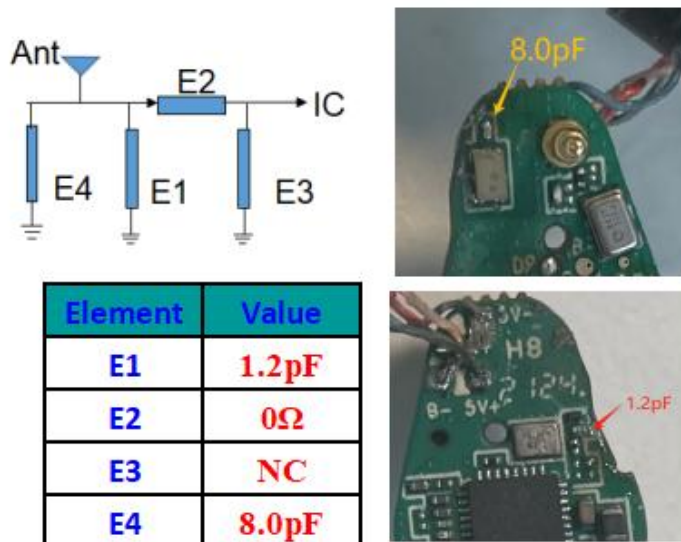
2.2: Passive efficiency of antenna

Freq(MHz)	Gain(dBi)	Efficiency(%)
2400	-4.69	10.16
2410	-3.81	10.89
2420	-3.88	11.17
2430	-3.15	11.05
2440	2.7	12.18
2450	-3.29	12.11
2460	-3.78	11.09
2470	-4.15	11.78
2480	-4.27	10.81
2490	-4.45	10.55
2500	-4.97	9.86

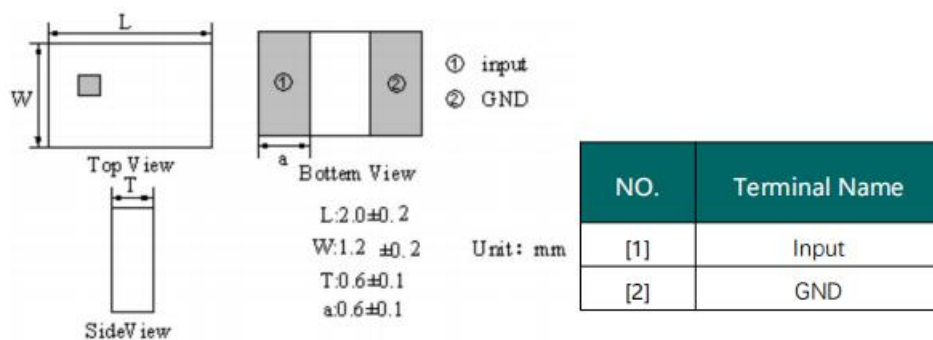
2.3: Passive pattern of BT antenna



3: Matching circuit



4: Structural drawing



TYPE	L	W	T	a
HCA0201B2450D08S	2.0±0.2	1.2±0.2	0.6±0.1	0.6±0.1

5: Antenna diagram

