

Antenna Sample Datasheet

entry name:	C82-Dongle
Material category:	BT antenna
Antenna Type	Monopole
Antenna Material	FPC
edition:	A1
Date:	2024. 05. 28

Contents

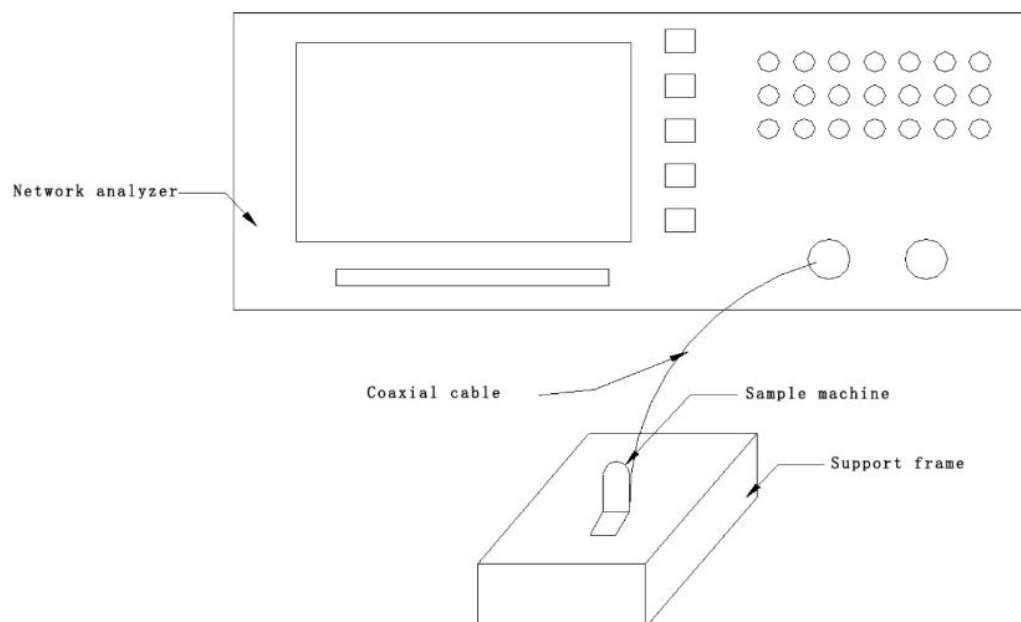
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1: Antenna test equipment

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

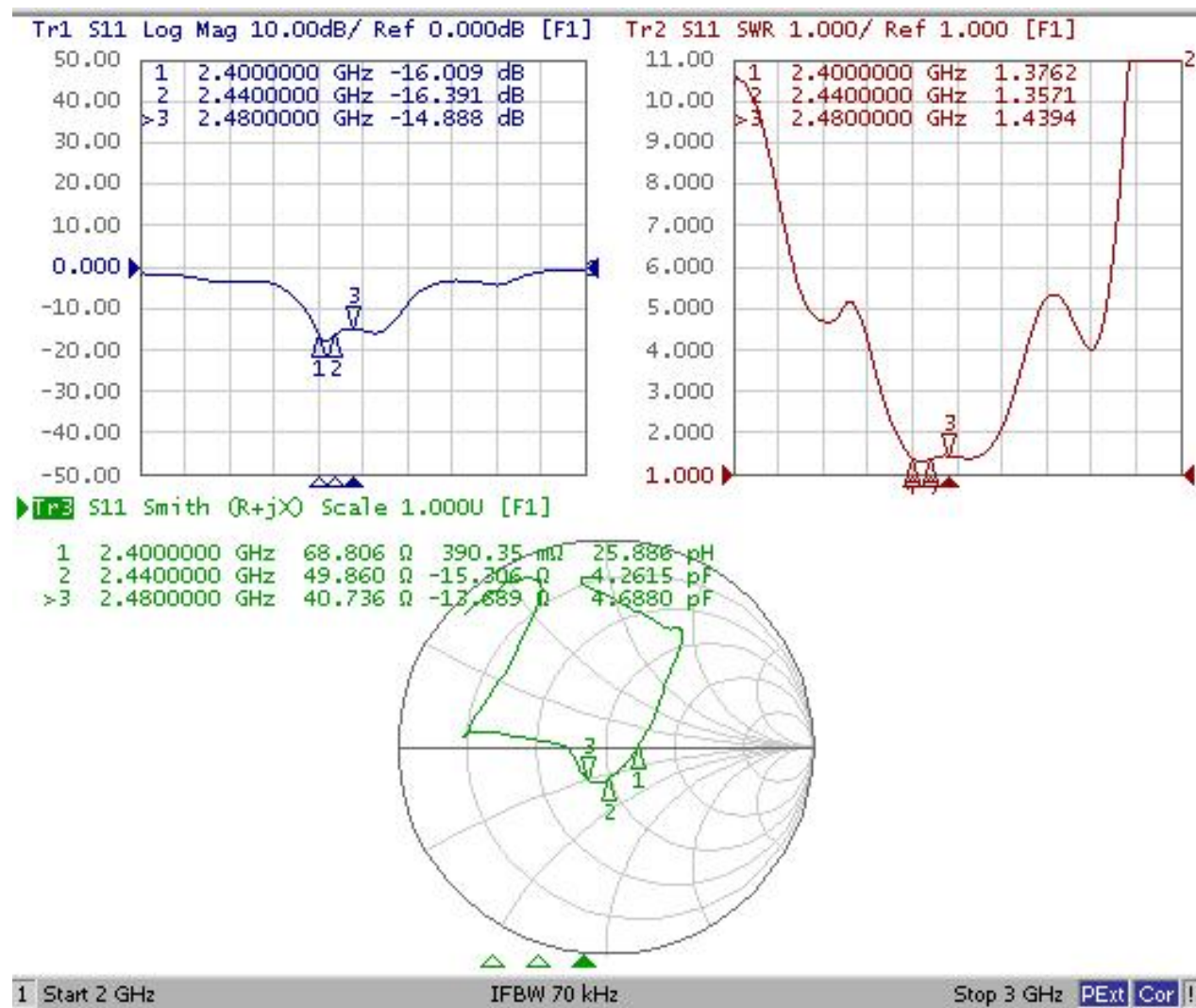


Inside the ETS anechoic chamber



2: Passive test report

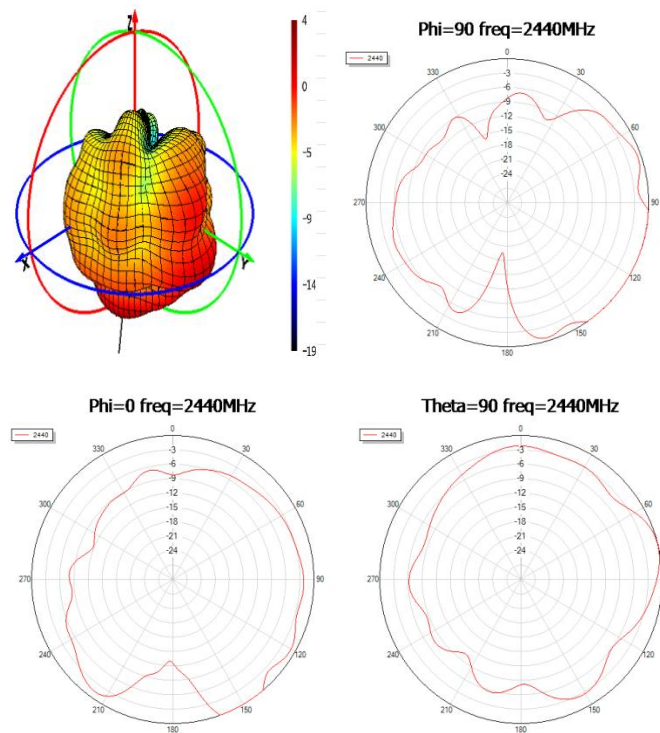
2.1: BT antenna S11 parameters



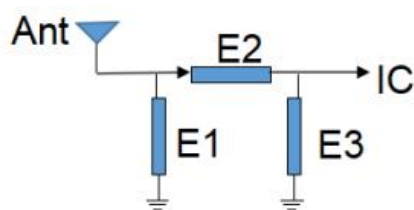
2.2: Passive efficiency of antenna

Freq(MHz)	Gain(dBi)	Efficiency(dB)	Efficiency(%)
2400	2.33	-5.15	30.56
2410	2.22	-5.15	30.56
2420	3.28	-4.83	32.89
2430	3.12	-4.80	33.14
2440	3.13	-4.86	32.63
2450	3.03	-4.82	32.99
2460	2.14	-4.96	31.92
2470	2.18	-4.99	31.71
2480	2.43	-5.17	30.39
Mean value	2. 65	-4. 97	31. 87

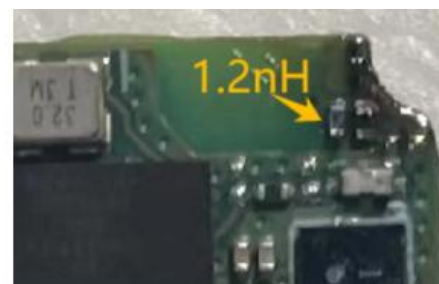
2.3: Passive pattern of BT antenna



3: Matching circuit



Element	Value
E1	1.2nH
E2	0Ω
E3	N/C



5: Antenna diagram

