

Antenna Sample Datasheet

customer:	Dongguan hunting sound electronic technology Co., LTD
entry name:	SU09
Material category:	BT antenna
Antenna Type	PIFA
Antenna Material	Sheet steel antenna
Date:	2025.4.7

Contents

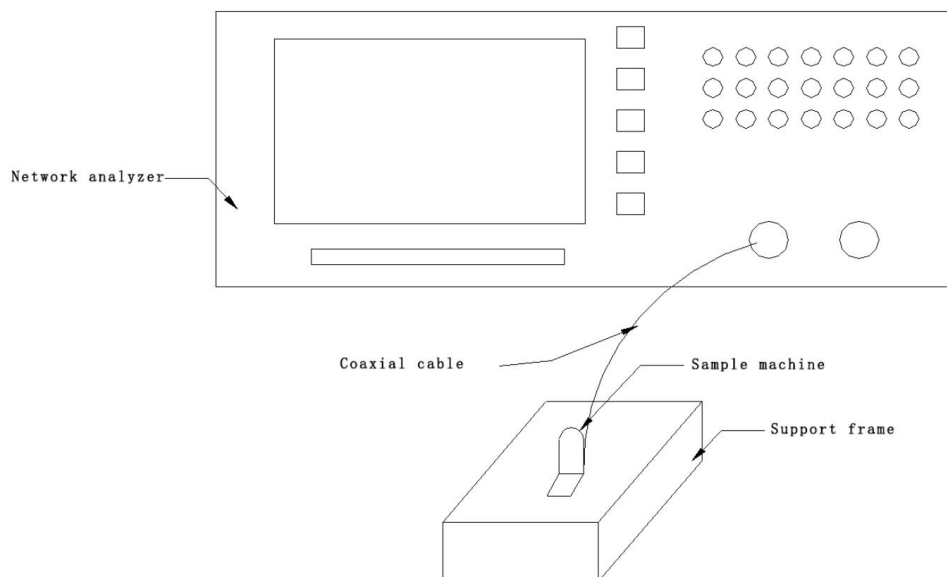
1: Antenna test equipment.....	1
2: Passive test report.....	3
3: Matching circuit.....	4
4: Antenna diagram.....	5

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



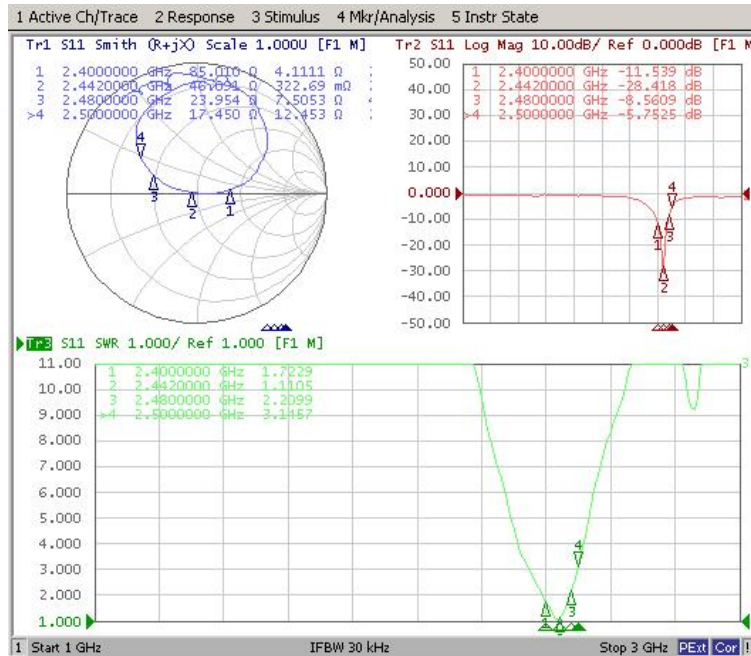
Inside the ETS anechoic chamber



Test Machine

2: Passive test report

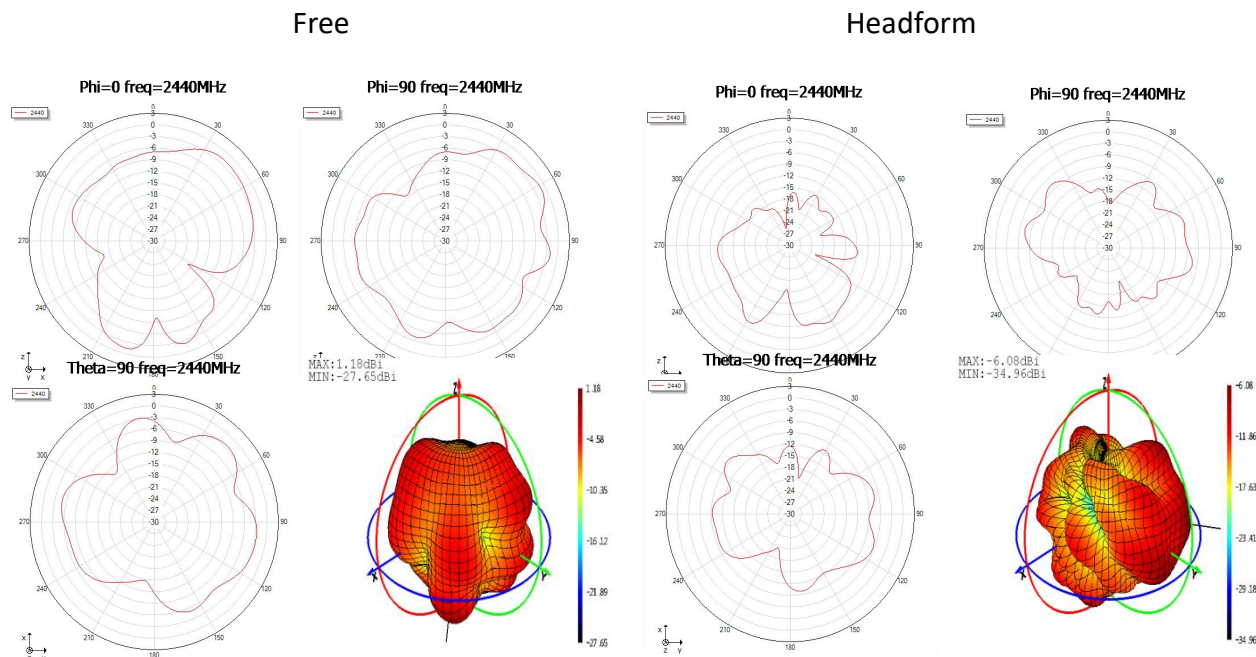
2.1: BT antenna S11 parameters



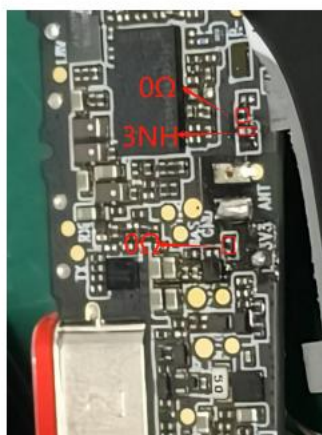
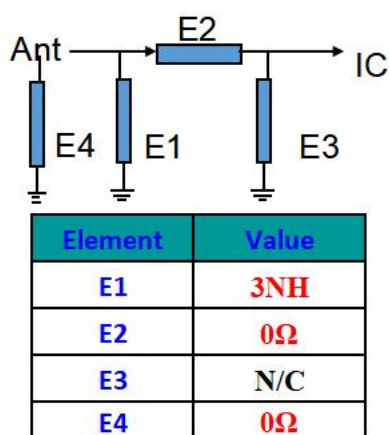
2.2: Passive efficiency of antenna

2400-2480MHz				
Freq(MHz)	Free		Headform	
	Gain(dBi)	Efficiency(%)	Gain(dBi)	Efficiency(%)
2400	0.96	36.62	-5.99	15.49
2410	1.03	36.66	-6.15	15.55
2420	1.05	36.16	-6.26	15.48
2430	1.24	36.79	-6.18	15.4
2440	1.18	35.97	-6.08	15.24
2450	1.19	35.25	-5.88	15.02
2460	0.96	34.92	-5.8	14.94
2470	0.86	34.66	-5.67	15.01
2480	1	35.06	-5.49	15.14
Mean value	1.05	35.79	-5.94	15.25

2.3: Passive pattern of BT antenna



3: Matching circuit



4: Antenna diagram

