

Antenna Sample Datasheet

customer:	Shenzhen Xuli Technology Co., Ltd
entry name:	H2C109A
Material category:	BT antenna
Antenna Type	Monopole
Antenna Material	FPC
edition:	A2
Date:	2023.12.16
Address: 5th Floor, Building 1, Yibaolai Industrial Zone, Qiaotou Community, Fuhai Street, Bao'an District, Shenzhen	

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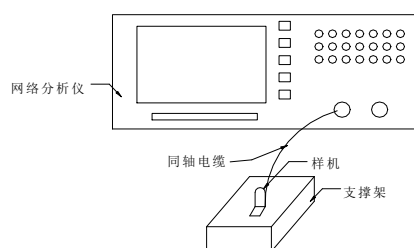
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1: Antenna test equipment

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



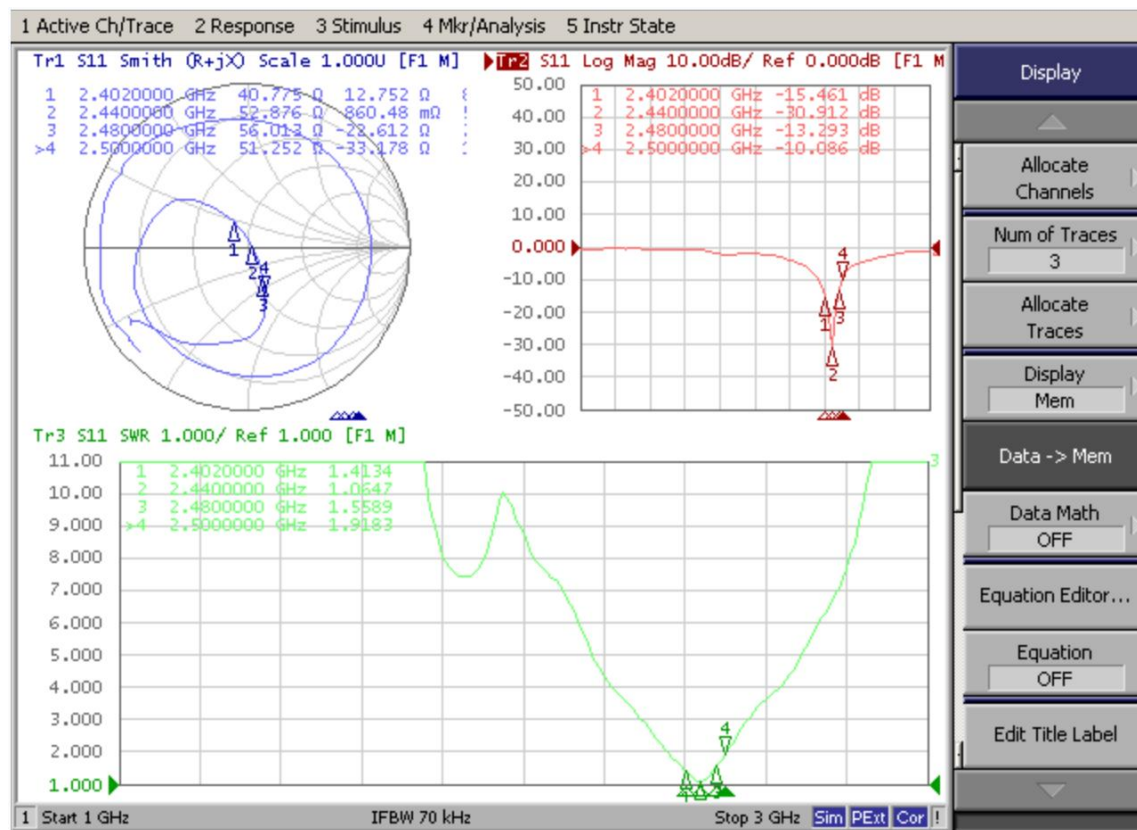
Inside the ETS anechoic chamber



Test Machine

2: Passive test report

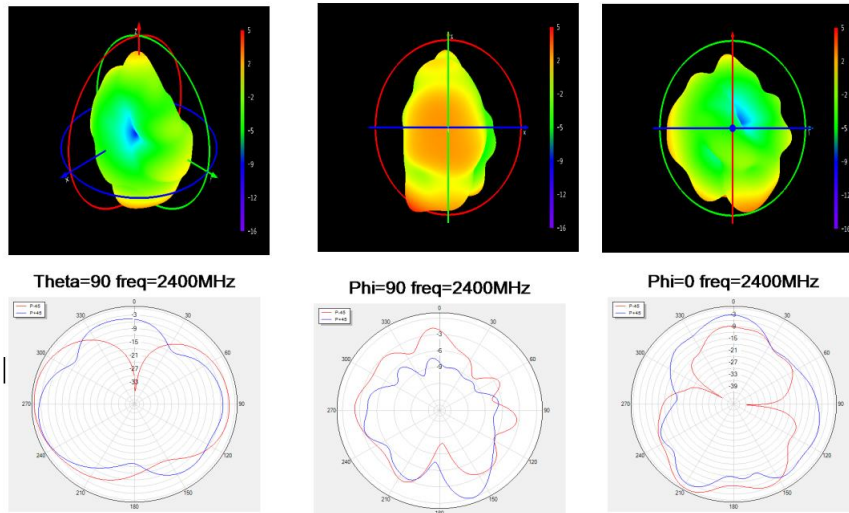
2.1: BT antenna S11 parameters



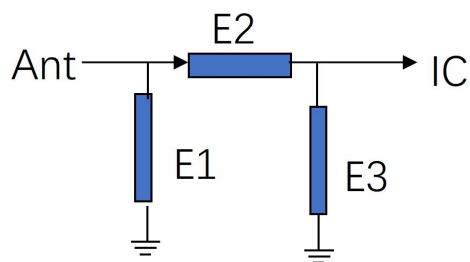
2.2: Passive efficiency of antenna

2400-2480MHz				
Freq(MHz)	Gain(dBi)	Efficiency(%)		
2400	4.56	67.82		
2410	4.54	67.29		
2420	4.6	66.19		
2430	4.71	65.02		
2440	4.89	63.67		
2450	4.99	62.81		
2460	4.9	62		
2470	4.61	61.24		
2480	4.39	61.4		

2.3: Passive pattern of BT antenna



3: Matching circuit



Element	Value
E1	N/A
E2	OR
E3	1.5PF

4: Structural drawing

