

Antenna Sample Datasheet

customer:	Sunitec Enterprise Co., LTD.
entry name:	TC228
Material category:	BT antenna
Antenna Type	PIFA
Antenna Material	Chip ANT
edition:	A0
Date:	2025.1.2

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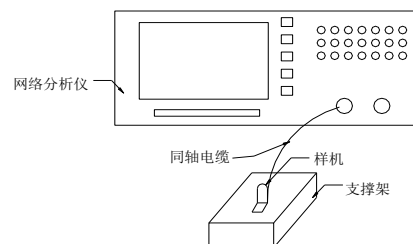
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1: Antenna test equipment

List of meters: Agilent 5071B;

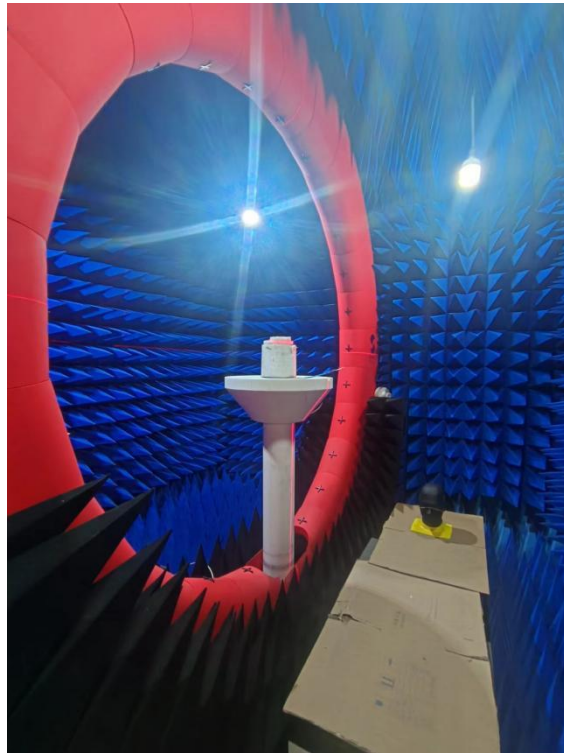


1.1The principle diagram of the ETS anochoic chamber



Picture1.Antenna static test connection method

1.2 Pictures of the ETS anechoic chamber



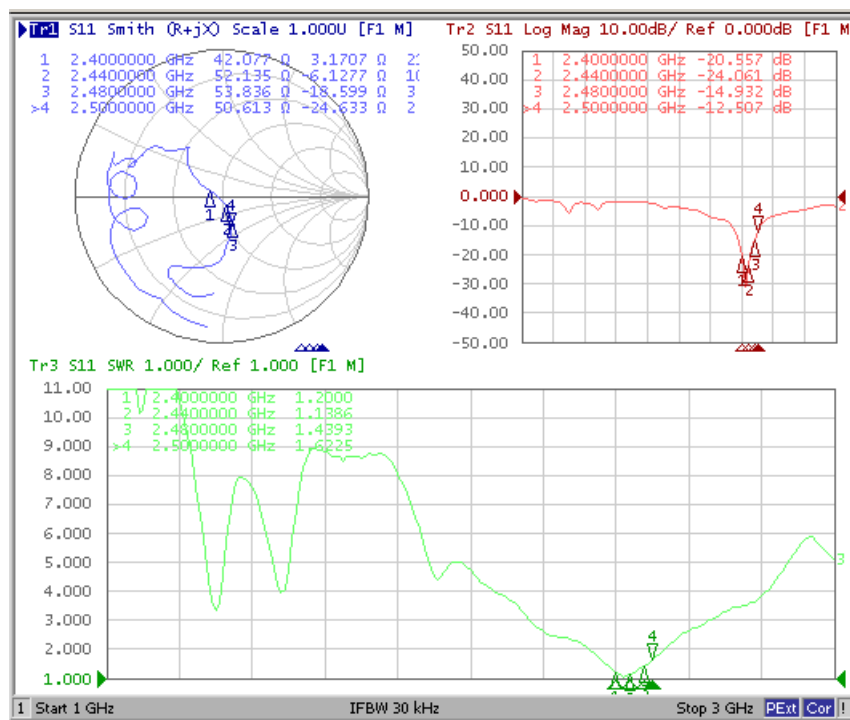
Inside the ETS anechoic chamber



Test Machine

2: Passive test report

2.1: BT antenna S11 parameters



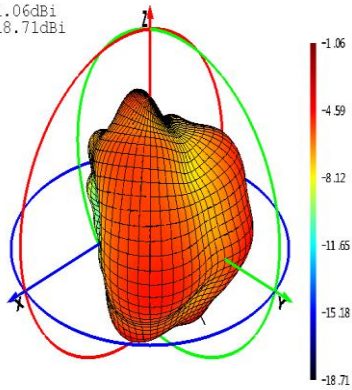
2.2: Passive efficiency of antenna

Freq(MHz)	Gain(dBi)	Efficiency(%)
2400	-1.06	27.58
2410	-1.00	28.83
2420	-0.99	30.85
2430	-0.74	32.26
2440	-0.47	33.40
2450	-0.12	35.07
2460	-0.02	35.65
2470	0.15	39.62
2480	0.24	41.49

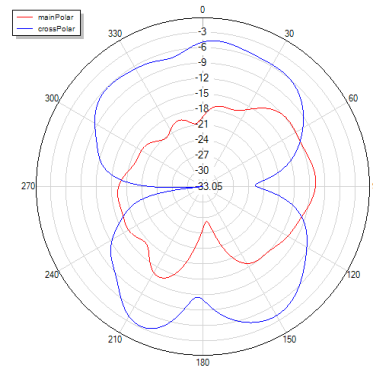
2.3: Passive pattern of BT antenna

2400MHz

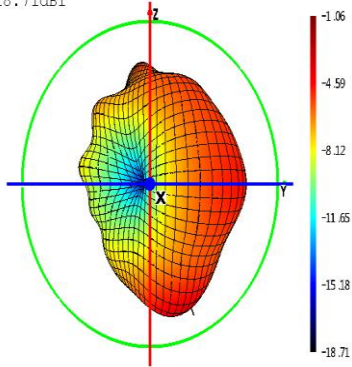
MAX: -1.06dBi
 MIN: -18.71dBi



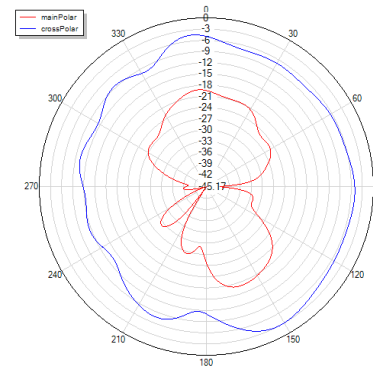
Phi=0 freq=2400MHz



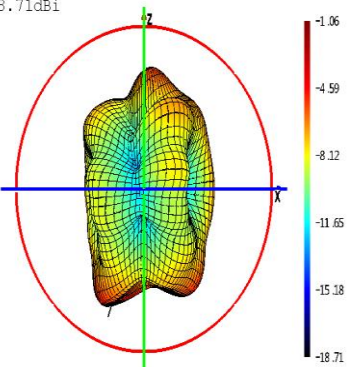
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 MIN: -18.71dBi



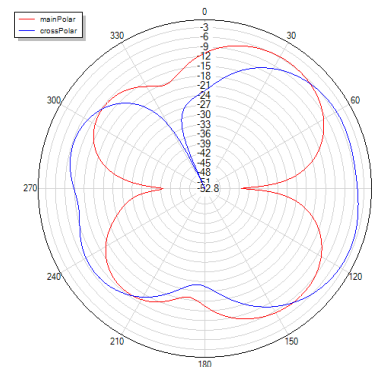
Phi=90 freq=2400MHz



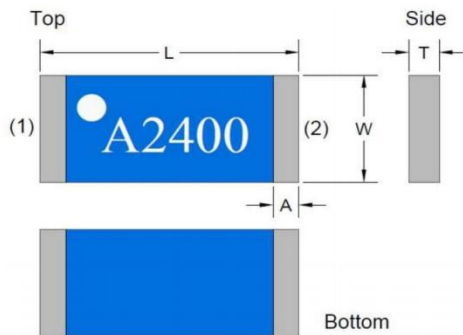
MAX: -1.06dBi
 MIN: -18.71dBi



Theta=90 freq=2400MHz



3: 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

4: Antenna diagram

