

Antenna Sample Datasheet

customer:	Minami Acoustics Limited
entry name:	T2139
Material category:	BT antenna
Antenna Type	Monopole
Antenna Material	FPC
edition:	A0
Date:	2024. 1. 12

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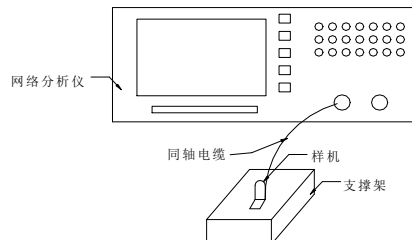
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1: Antenna test equipment

List of meters: Agilent 5071B;

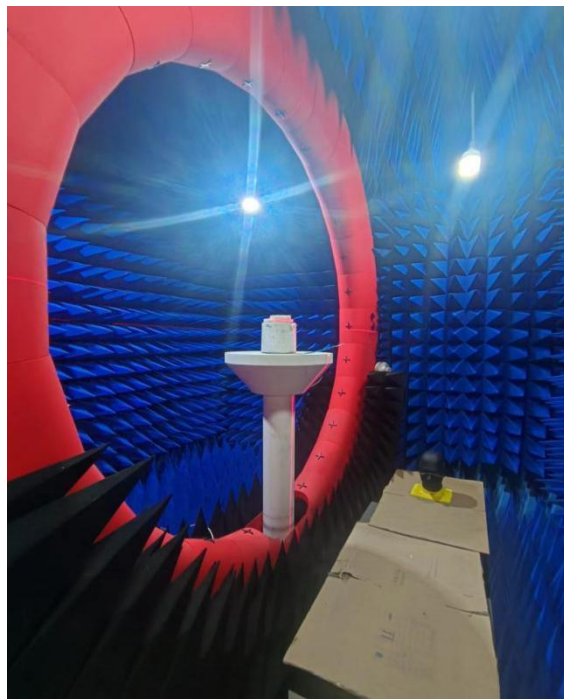


1.1 The principle diagram of the ETS anechoic chamber



Picture1. Antenna static test connection method

1.2 Pictures of the ETS anechoic chamber



Inside the ETS anechoic chamber



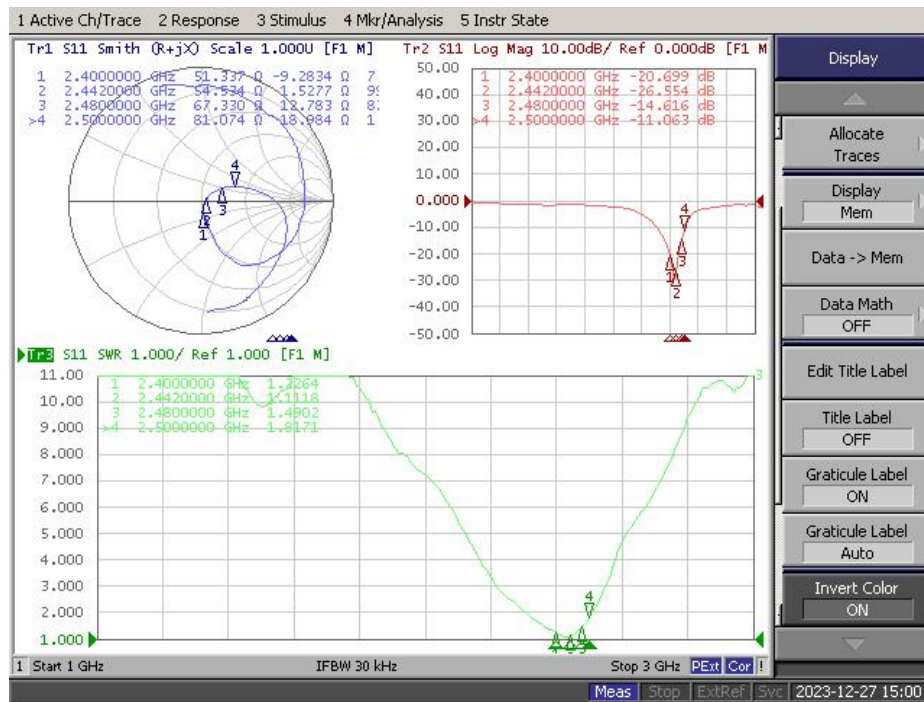
Test Machine



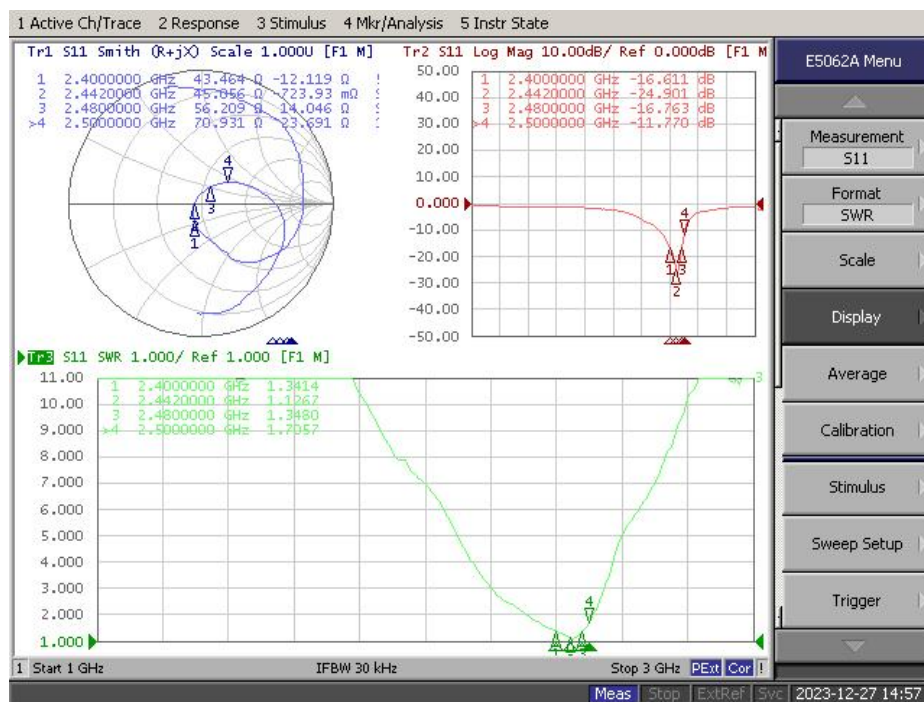
2: Passive test report

2.1: BT antenna S11 parameters

Left:



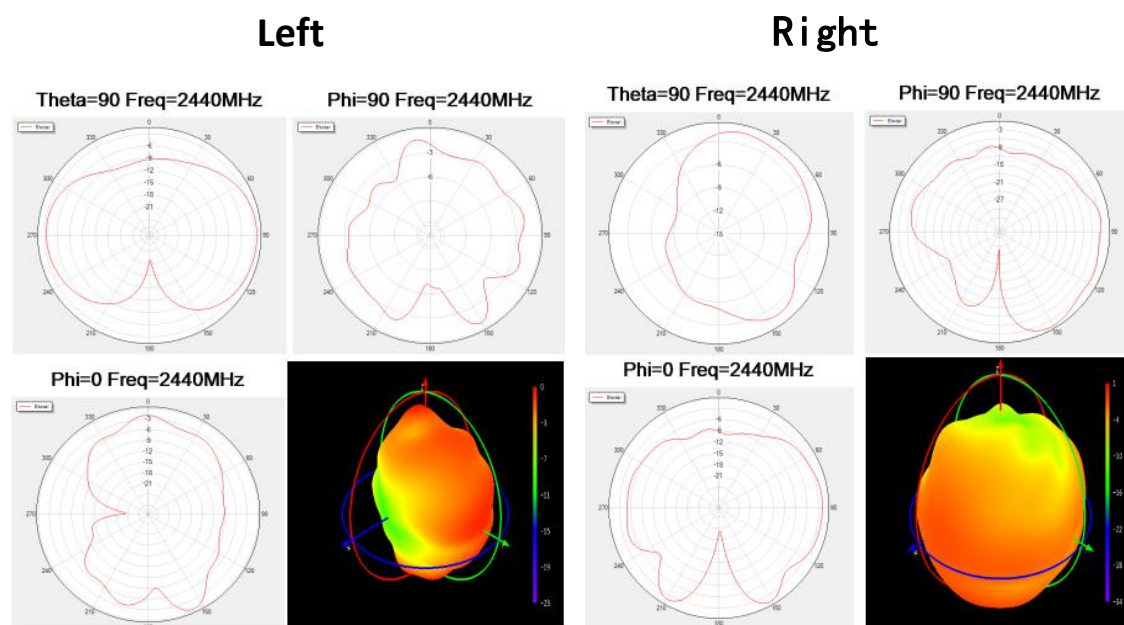
Right:



2.2: Passive efficiency of antenna

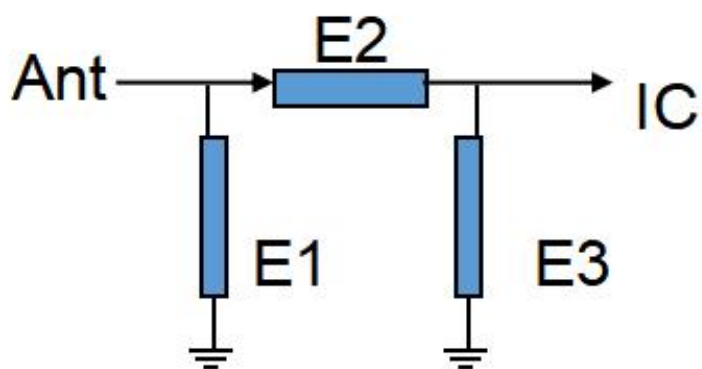
2400-2480MHz				
Freq(MHz)	Gain(dBi)	Efficiency(%)	Gain(dBi)	Efficiency(%)
	free space-Left	free space-Left	free space-Right	free space-Right
2400	-0.08	34.76	0.39	32
2410	-0.14	36.01	0.65	33
2420	-0.21	37.6	0.71	33.5
2430	-0.27	38.95	0.56	33.8
2440	-0.26	39.5	0.42	34.14
2450	-0.19	39.23	0.32	34.38
2460	0.04	38.04	0.27	34.07
2470	0.12	36.23	0.21	33.29
2480	0.11	34.04	0.14	31.97
Mean value	-0.1	37.15	0.41	33.35

2.3: Passive pattern of BT antenna



3: Matching circuit

Left/Right



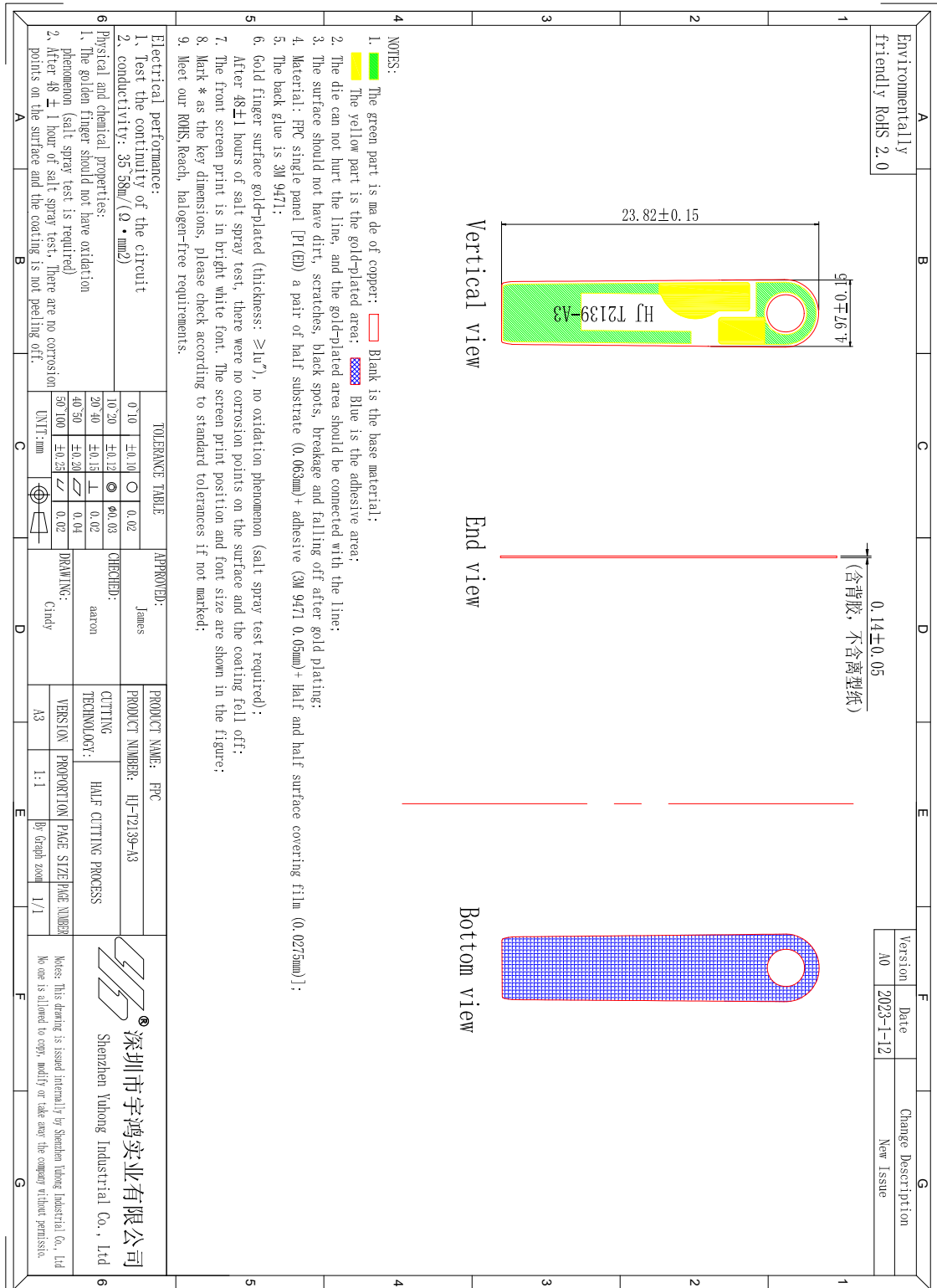
Element	Value
E1	N/A
E2	100PF
E3	N/A



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4: Structural drawing



5: Antenna diagram

