

Antenna Sample Datasheet

entry name:	TWS-2302-R
Material category:	BT antenna
Antenna Material	FPC
edition:	A8
Date:	2025. 5. 27



深圳市宇鸿实业有限公司

Shenzhen Yuhong Industrial Co., Ltd

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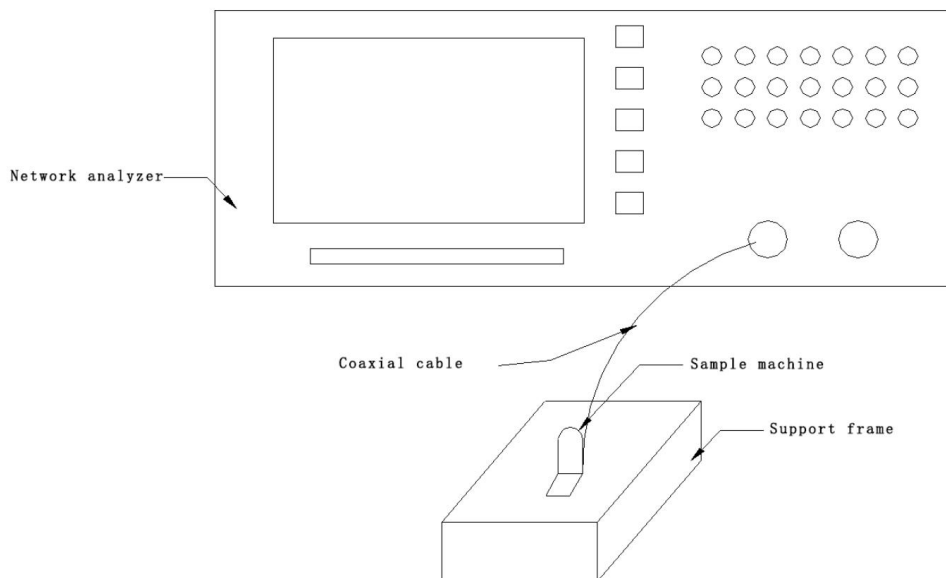
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1: Antenna test equipment

List of meters: Agilent 5071B;

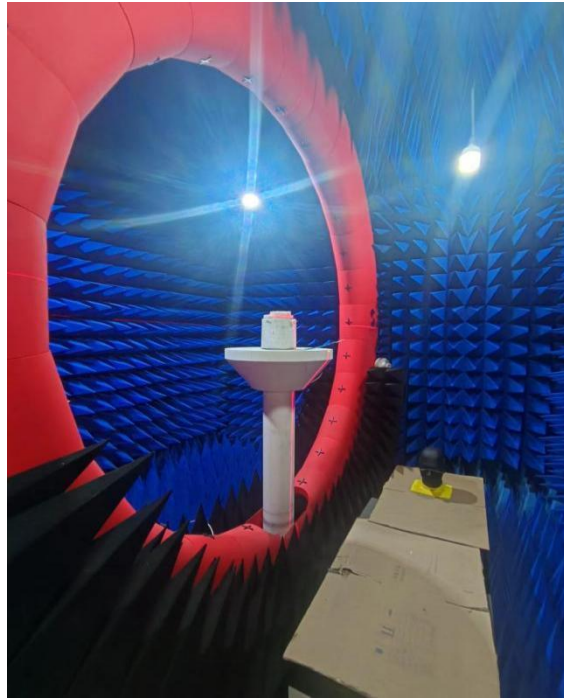


1.1The principle diagram of the ETS anechoic chamber



Picture1.Antenna static test connection method

1.2 Pictures of the ETS anechoic chamber



Inside the ETS anechoic chamber

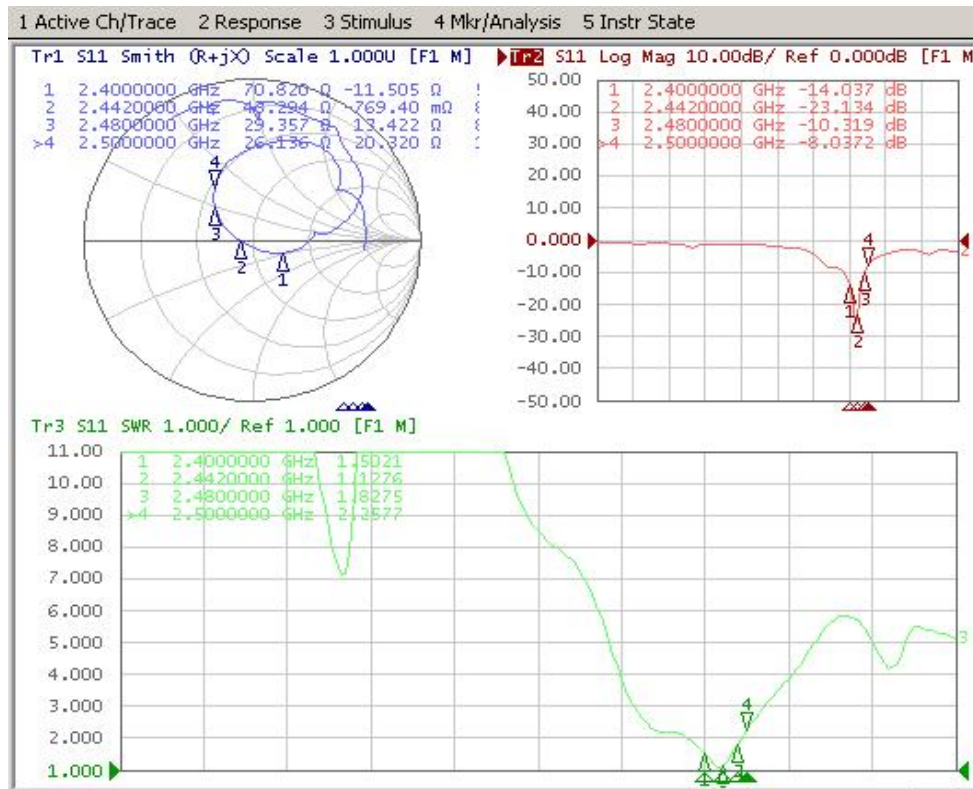


Test Machine



2: Passive test report

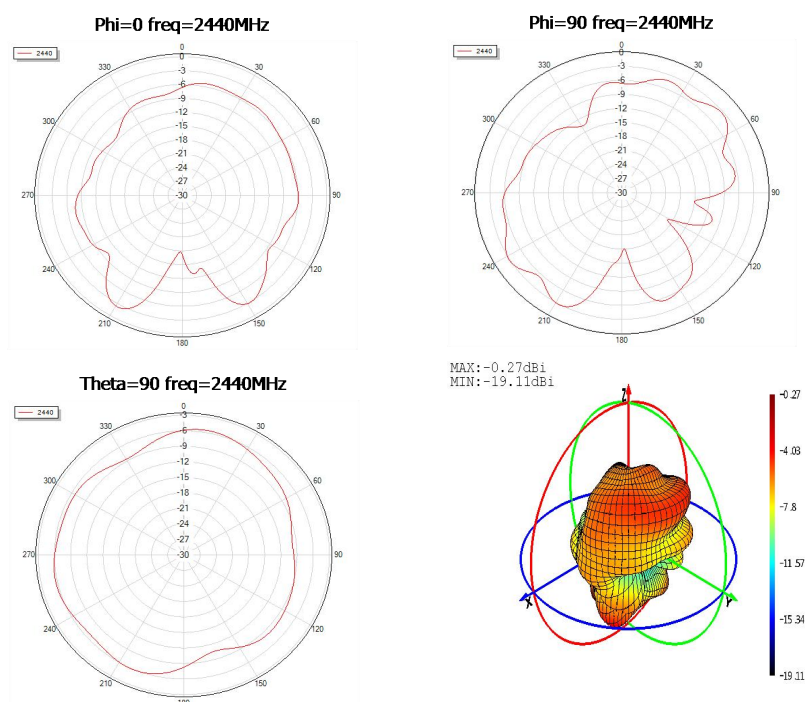
2.1: BT antenna S11 parameters



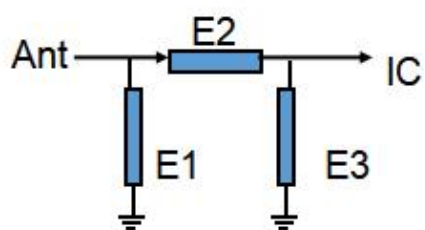
2.2: Passive efficiency of antenna

2400-2480MHz		
Freq(MHz)	Gain(dBi)	Efficiency(%)
	free space	free space
2400	0.86	30.32
2410	0.65	29.76
2420	0.31	29.82
2430	0.01	30.38
2440	-0.27	30.88
2450	-0.66	30.46
2460	-0.93	28.6
2470	-1.06	27.02
2480	-1.29	26.86
Mean value	-0.26	29.34

2.3: Passive pattern of BT antenna



3: Matching circuit



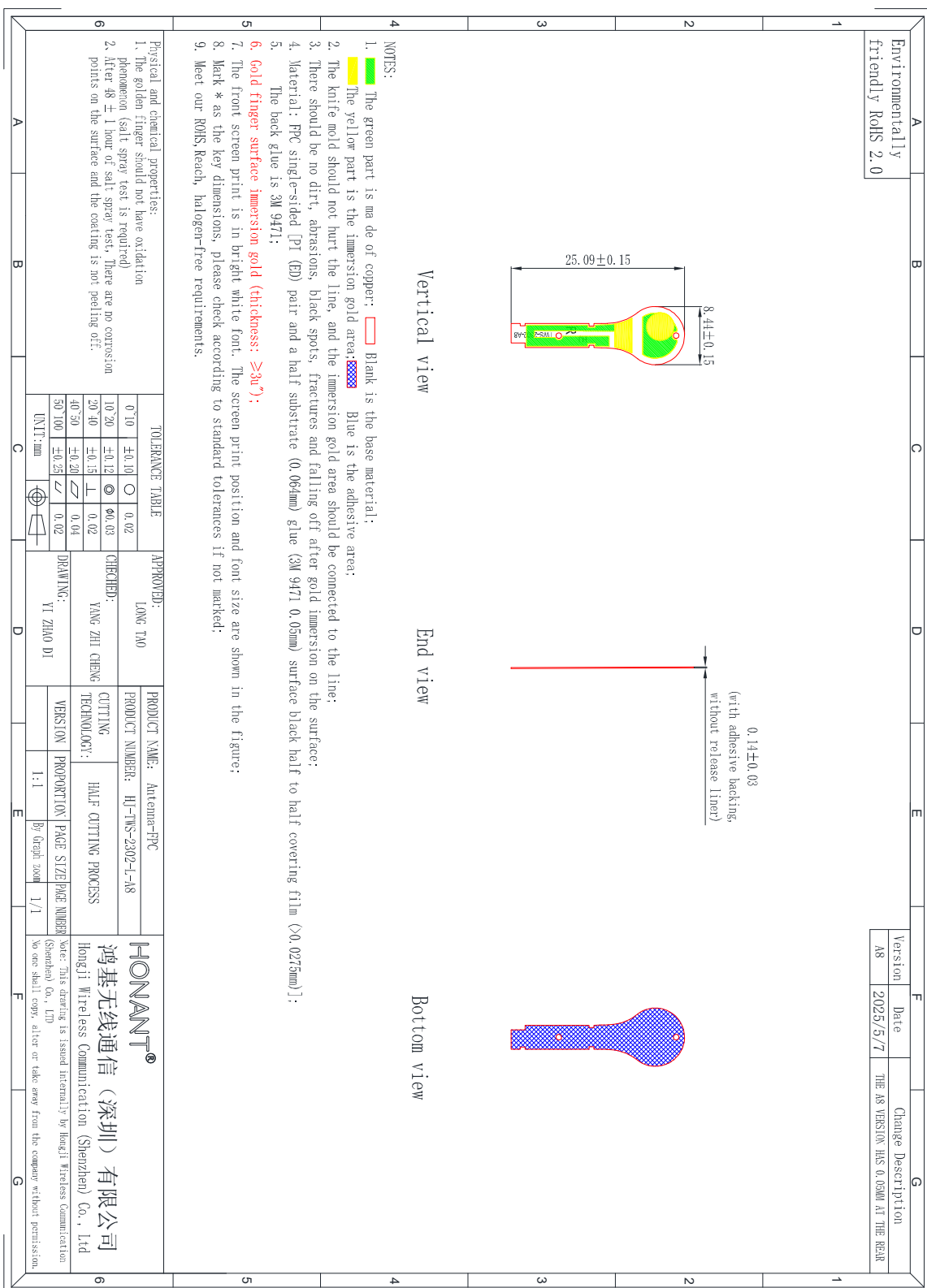
Element	Value
E1	1.8PF
E2	3.3NH
E3	1.8PF



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4: Structural drawing





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5: Antenna diagram

