

Antenna Sample Datasheet

entry name:	TWS-2080-R
Material category:	BT antenna
Antenna Material	FPC
edition:	A8
Date:	2024. 7. 16

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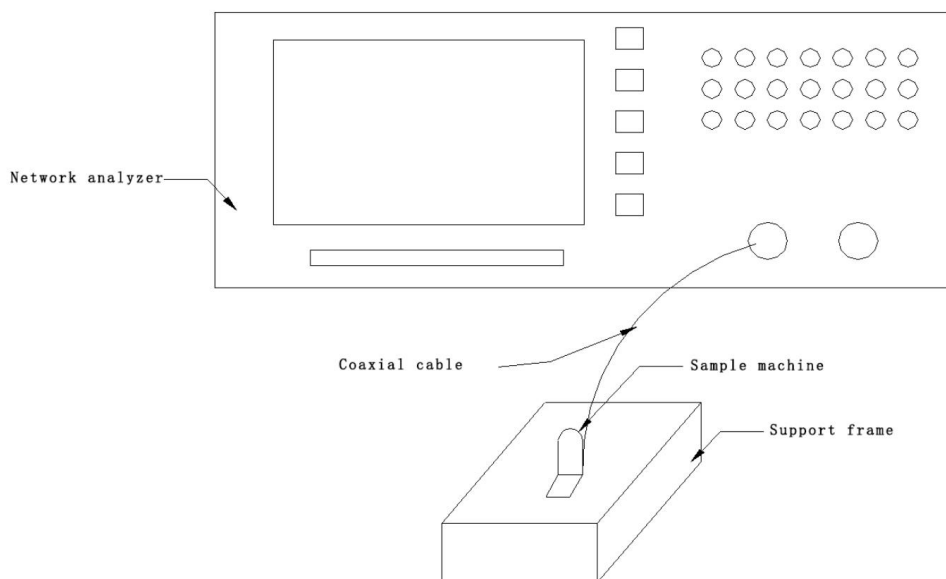
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1: Antenna test equipment

List of meters: Agilent 5071B;

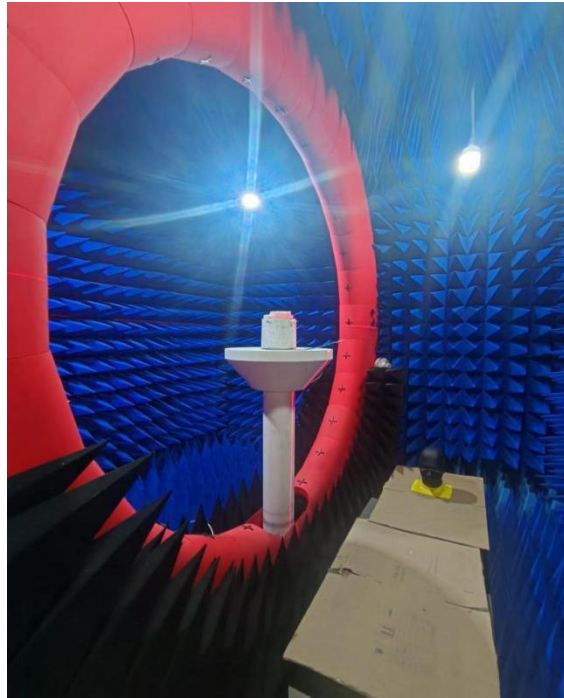


1.1The principle diagram of the ETS anechoic chamber



Picture1.Antenna static test connection method

1.2 Pictures of the ETS anechoic chamber



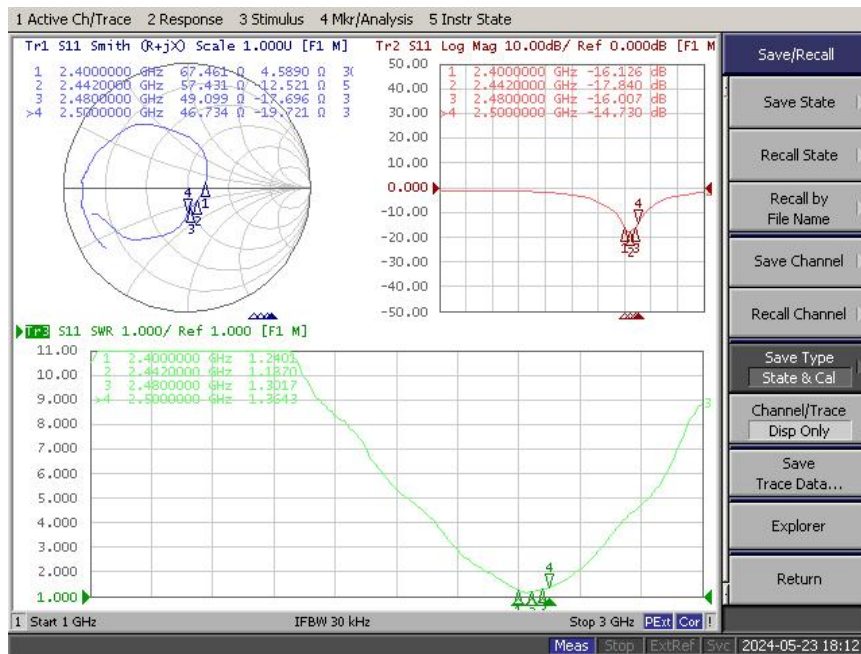
Inside the ETS anechoic chamber



Address: 12th Floor, West Block B, Building 8, Huaqiang Creative Industry Park, Sightseeing Road, Guangming District, Shenzhen
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2: Passive test report

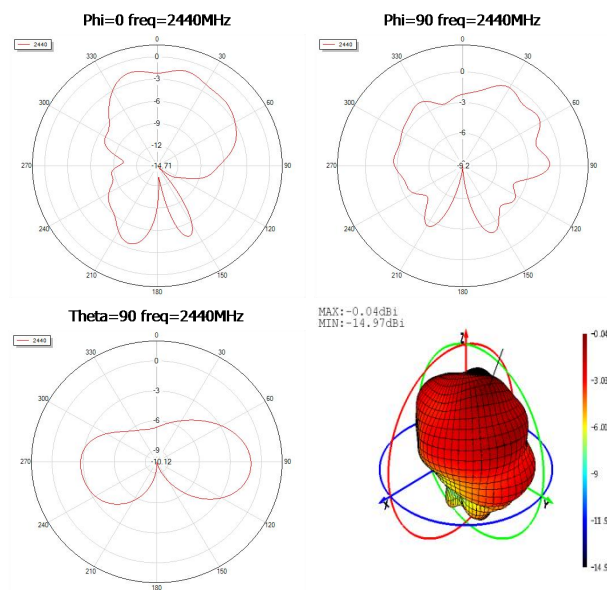
2.1: BT antenna S11 parameters



2.2: Passive efficiency of antenna

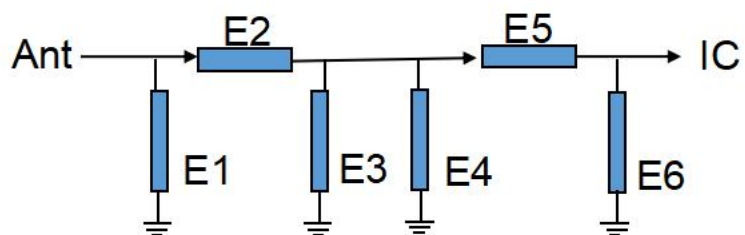
2400-2480MHz		
Freq(MHz)	Gain(dBi)	Efficiency(%)
	free space	free space
2400	0.02	29.39
2410	0.37	30.1
2420	0.03	31.15
2430	-0.31	31.33
2440	-0.04	30.08
2450	0.19	30.5
2460	-0.09	30
2470	0.09	29.3
2480	0.5	29.05
Mean value	0.08	30.1

2.3: Passive pattern of BT antenna



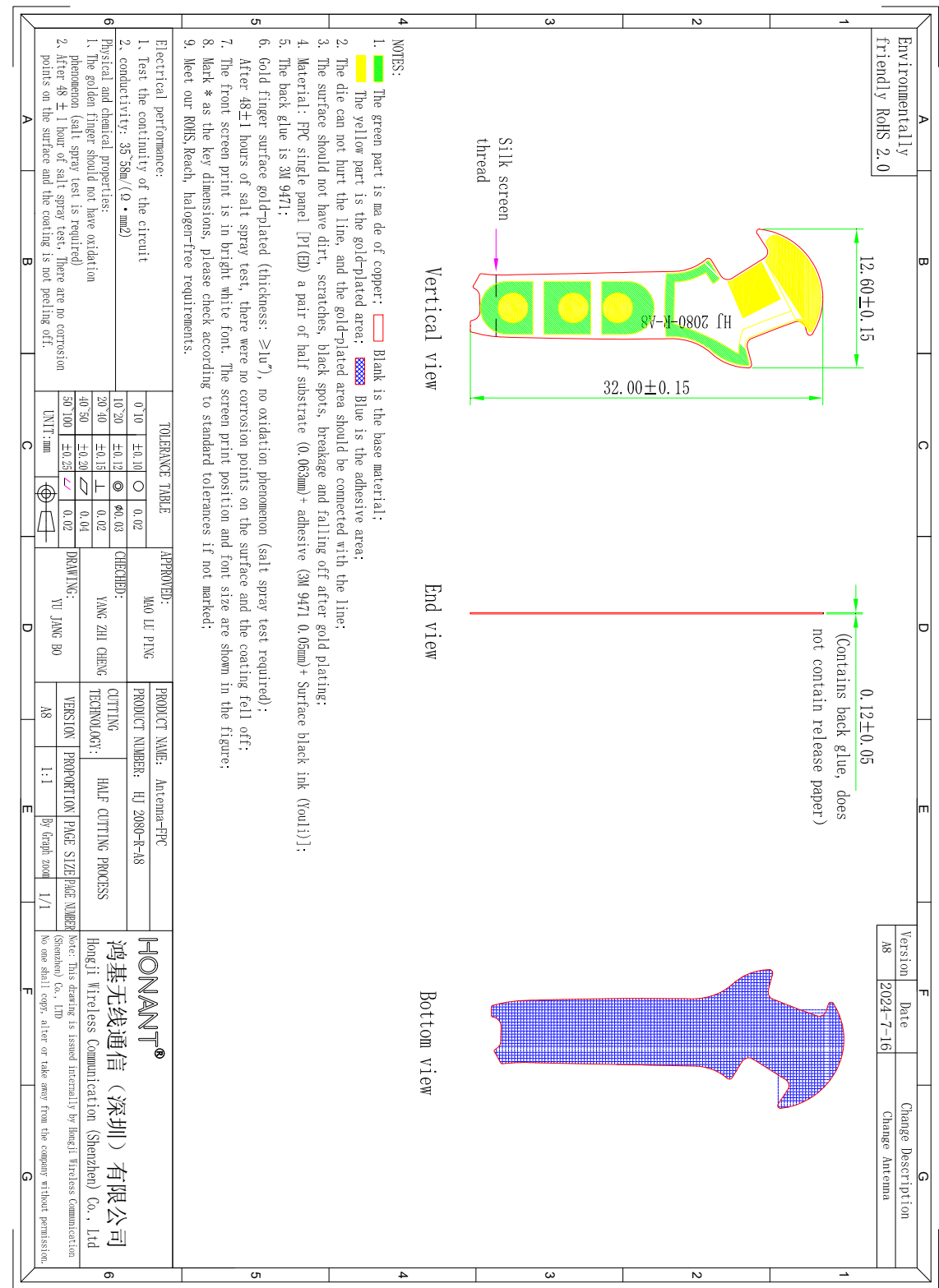
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3: Matching circuit



Element	Value
E1	2PF
E2	100PF
E3	N/A
E4	N/A
E5	100PF
E6	N/A

4: Structural drawing



5: Antenna diagram

