

Antenna Sample Datasheet

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

Contents

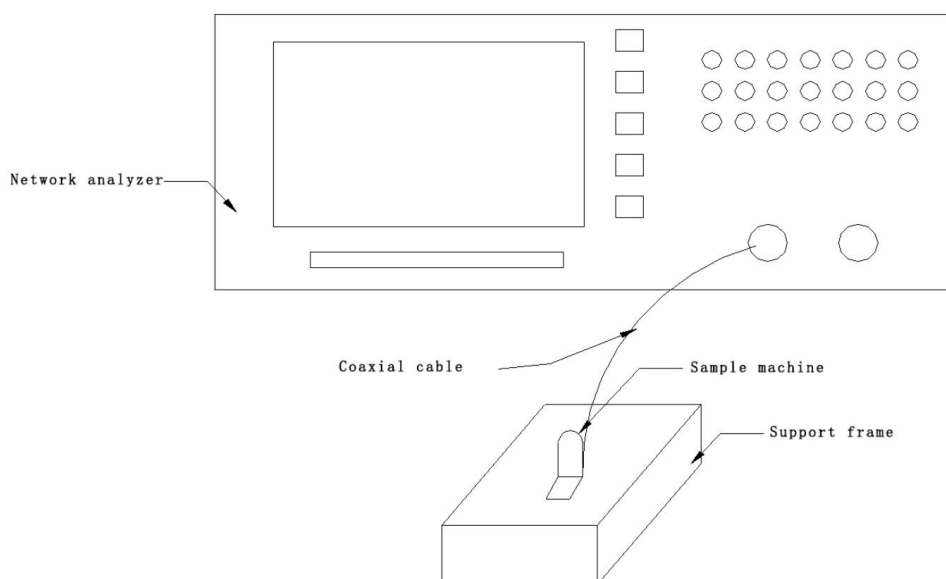
1: Antenna test equipment.....	1
2: Passive test report.....	3
3: Matching circuit.....	5
4: Structural drawing.....	6
5: Antenna diagram.....	7

1: Antenna test equipment

List of meters: Agilent 5071B;

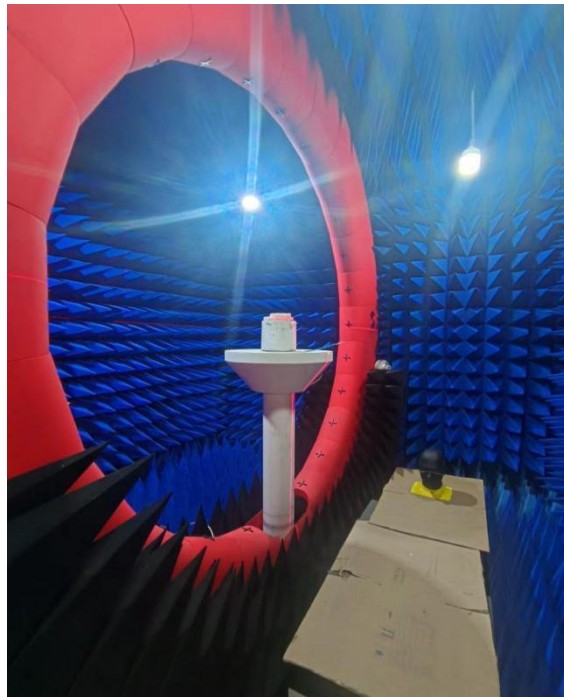


1.1The principle diagram of the ETS anechoic chamber



Picture1.Antenna static test connection method

1.2 Pictures of the ETS anechoic chamber



Inside the ETS anechoic chamber



Test Machine

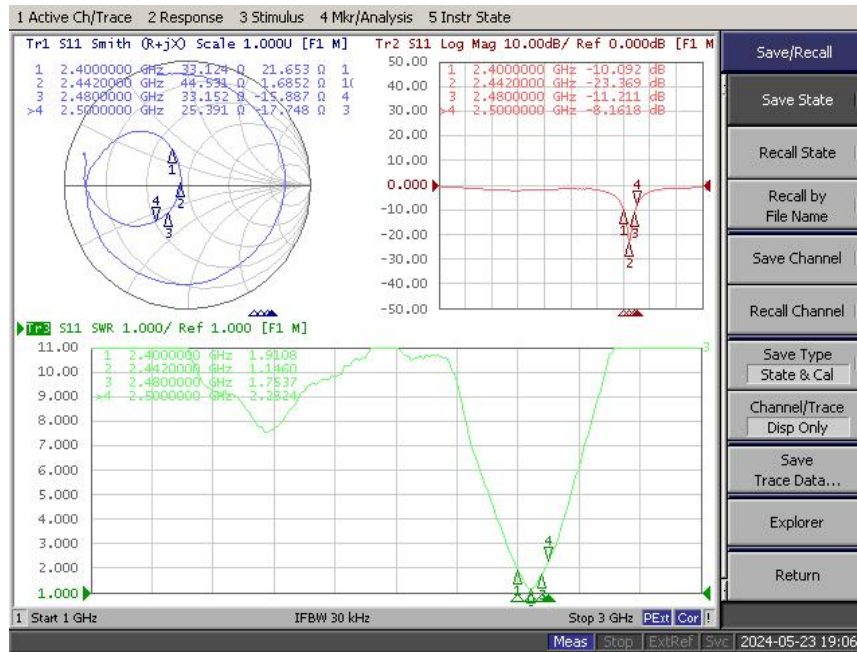
Address: 12th Floor, West Block B, Building 8, Huaqiang Creative Industry Park, Sightseeing Road, Guangming District, Shenzhen

Telephone number: 0755-28700082

www.honant.com.cn

2: Passive test report

2.1: BT antenna S11 parameters



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

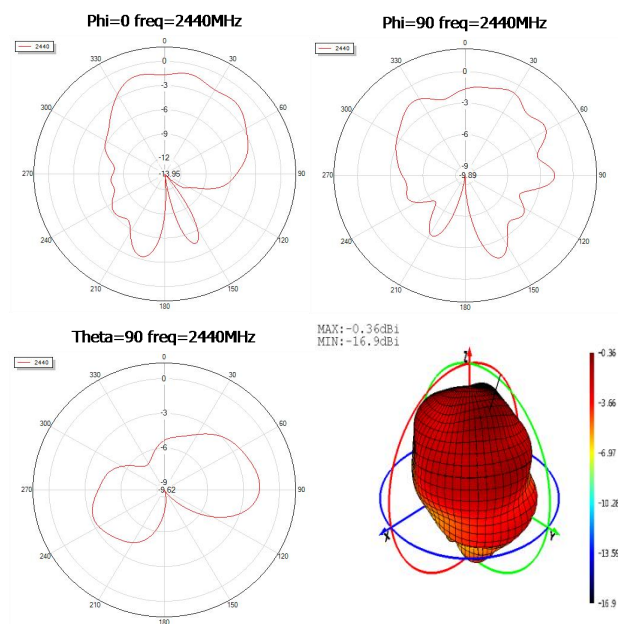
Telephone number: 0755-28700082

www.honant.com.cn

2.2: Passive efficiency of antenna

2400-2480MHz		
Freq(MHz)	Gain(dBi)	Efficiency(%)
	free space	free space
2400	0.15	29
2410	0.51	30.17
2420	0.16	31.09
2430	-0.56	31.53
2440	-0.36	30.31
2450	0	30.82
2460	-0.28	30.37
2470	0.43	29.8
2480	0.71	30.07
Mean value	0.08	30.35

2.3: Passive pattern of BT antenna

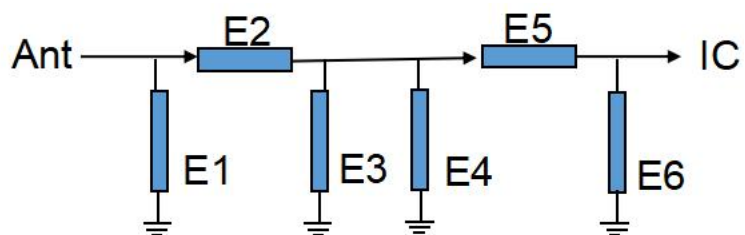


Address: 12th Floor, West Block B, Building 8, Huaqiang Creative Industry Park, Sightseeing Road, Guangming District, Shenzhen

Telephone number: 0755-28700082

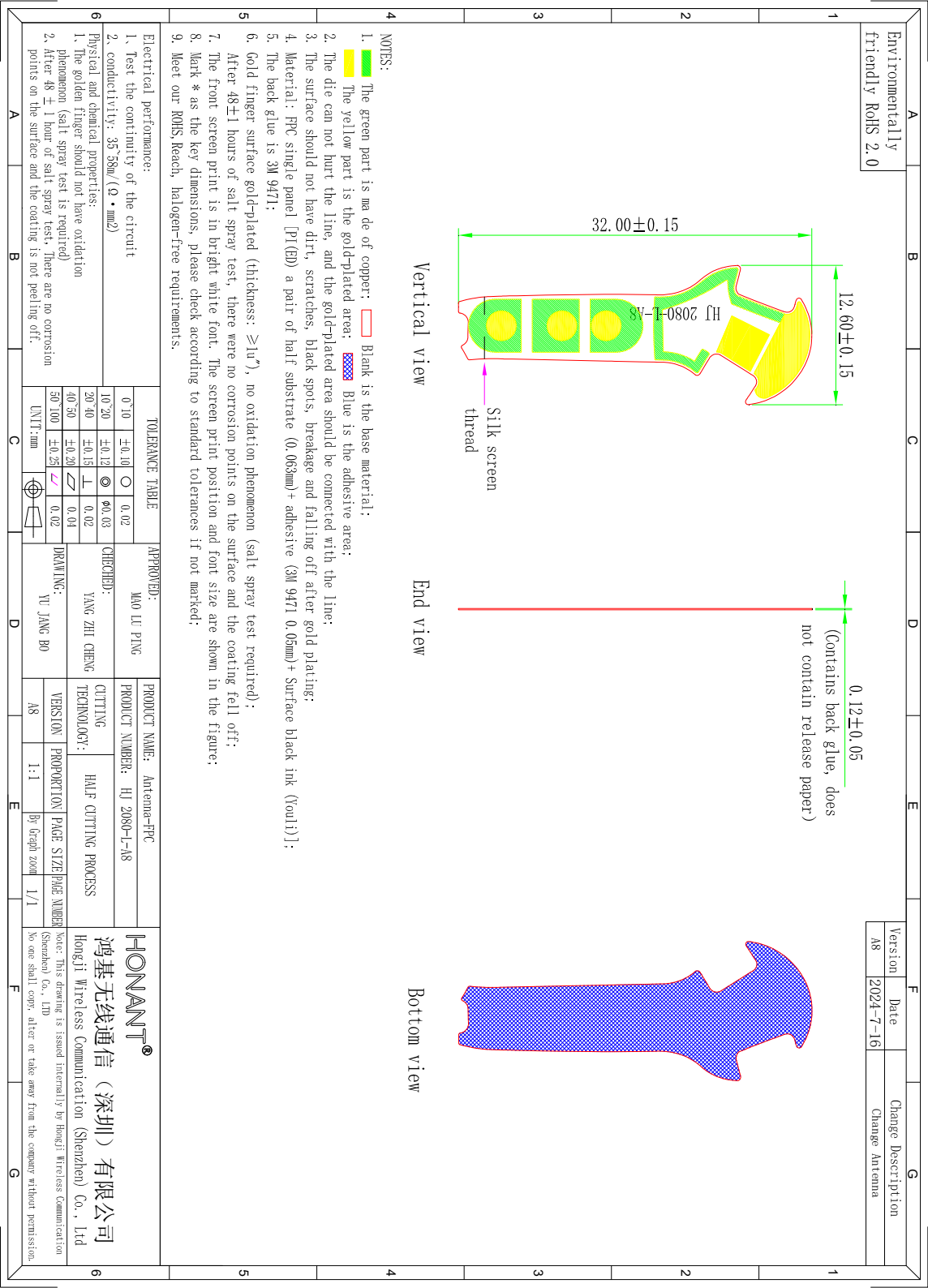
www.honant.com.cn

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

