

Antenna Sample Datasheet

entry name:	PM138-L
Material category:	BT antenna
Antenna Material	FPC
edition:	A4
Date:	2024. 9. 2

Contents

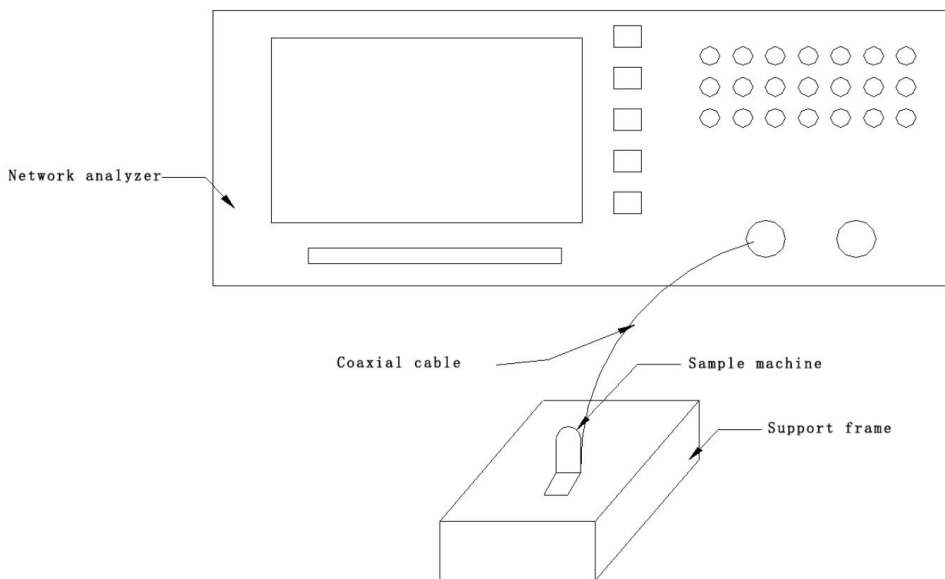
1: Antenna test equipment.....	1
2: Passive test report.....	3
3: Matching circuit.....	5
4: Structural drawing.....	6

1: Antenna test equipment

List of meters: Agilent 5071B;

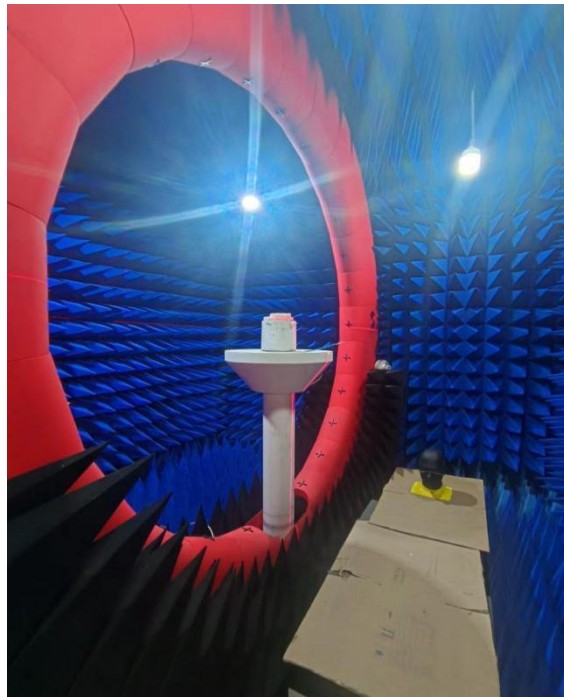


1.1 The principle diagram of the ETS anechoic chamber



Picture1.Antenna static test connection method

1.2 Pictures of the ETS anechoic chamber



Inside the ETS anechoic chamber



Test Machine

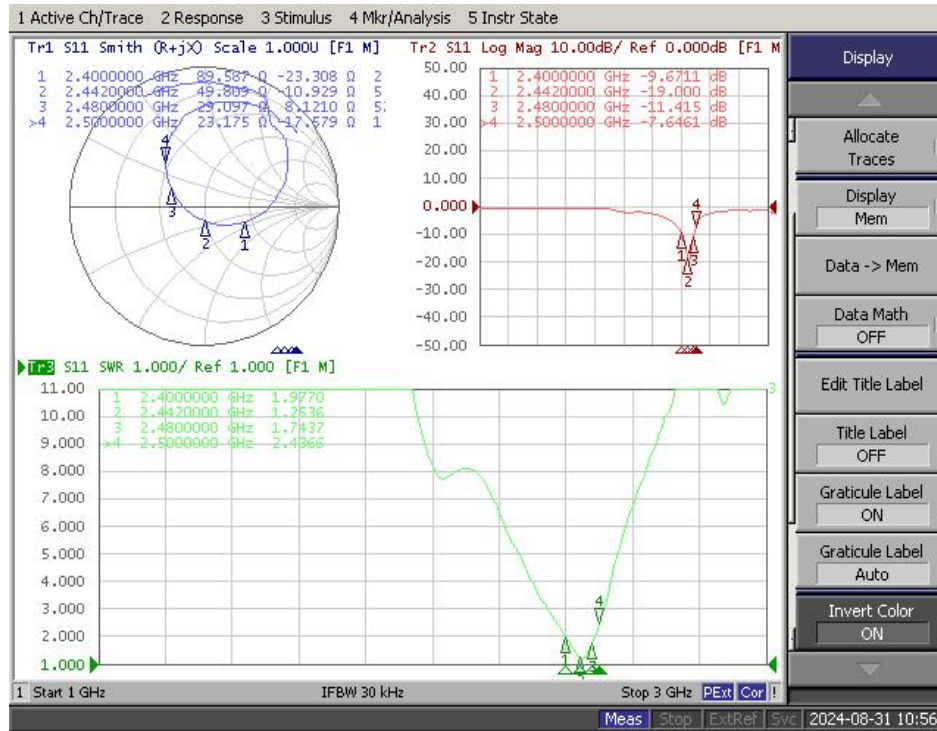
Address: 12th Floor, West Block B, Building 8, Huaqiang Creative Industry Park, Sightseeing Road, Guangming District, Shenzhen

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

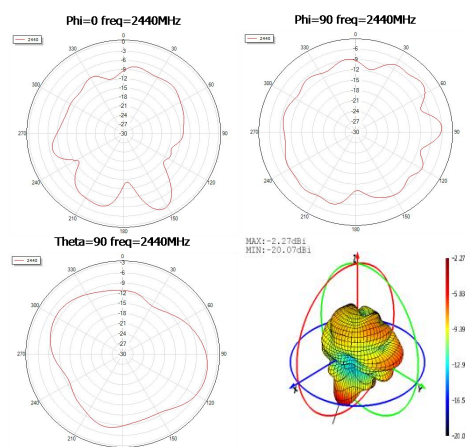
Telephone number: 0755-28700082

www.honant.com.cn

2.2: Passive efficiency of antenna

2400-2480MHz		
Freq(MHz)	Gain(dBi)	Efficiency(%)
	free space	free space
2400	-2.66	15.09
2410	-2.68	14.93
2420	-2.57	15.13
2430	-2.38	15.13
2440	-2.27	15.16
2450	-2.33	15.22
2460	-2.52	15.3
2470	-2.44	15.58
2480	-3.13	15.42
Mean value	-2.55	15.22

2.3: Passive pattern of BT antenna

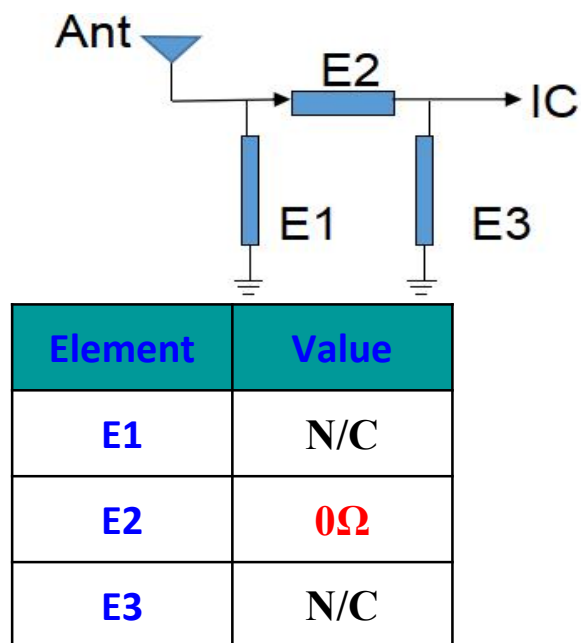


Address: 12th Floor, West Block B, Building 8, Huaqiang Creative Industry Park, Sightseeing Road, Guangming District, Shenzhen

Telephone number: 0755-28700082

www.honant.com.cn

3: Matching circuit



4: Structural drawing

