

Antenna Sample Datasheet

entry name:	PM144-R
Material category:	BT antenna
Antenna Material	FPC
edition:	A7
Date:	2025. 4. 3

Contents

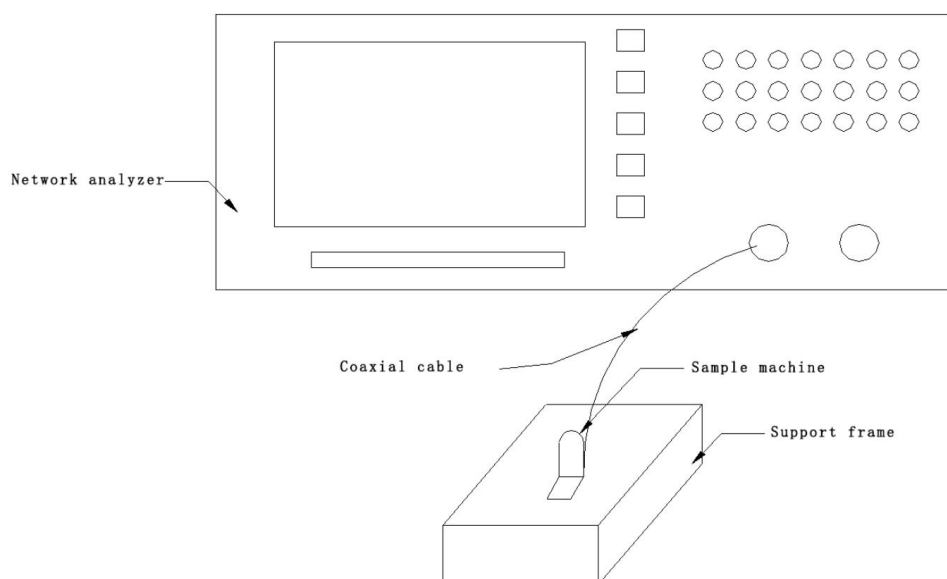
1: Antenna test equipment.....	1
2: Passive test report.....	3
3: Matching circuit.....	5
4: Structural drawing.....	6

1: Antenna test equipment

List of meters: Agilent 5071B;

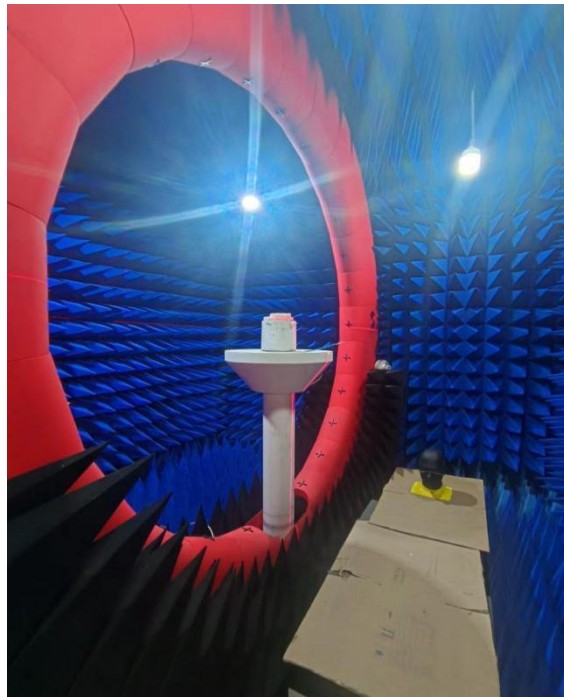


1.1The principle diagram of the ETS anechoic chamber



Picture1.Antenna static test connection method

1.2 Pictures of the ETS anechoic chamber



Inside the ETS anechoic chamber



Test Machine

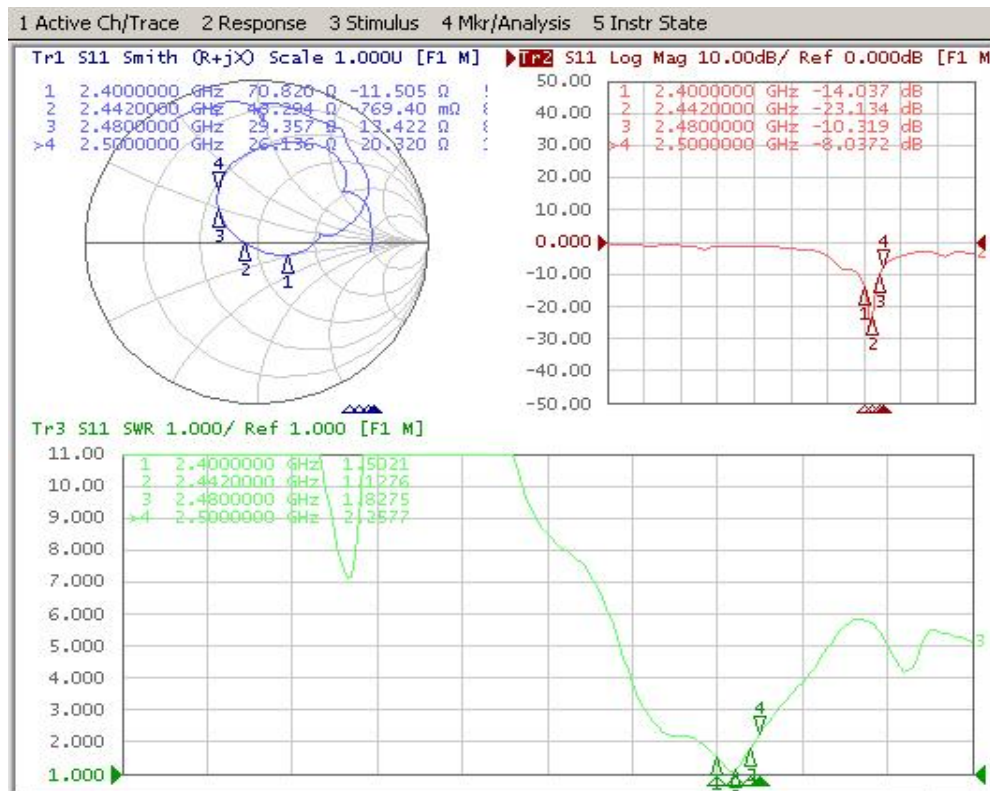
Address: 12th Floor, West Block B, Building 8, Huaqiang Creative Industry Park, Sightseeing Road, Guangming District, Shenzhen

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

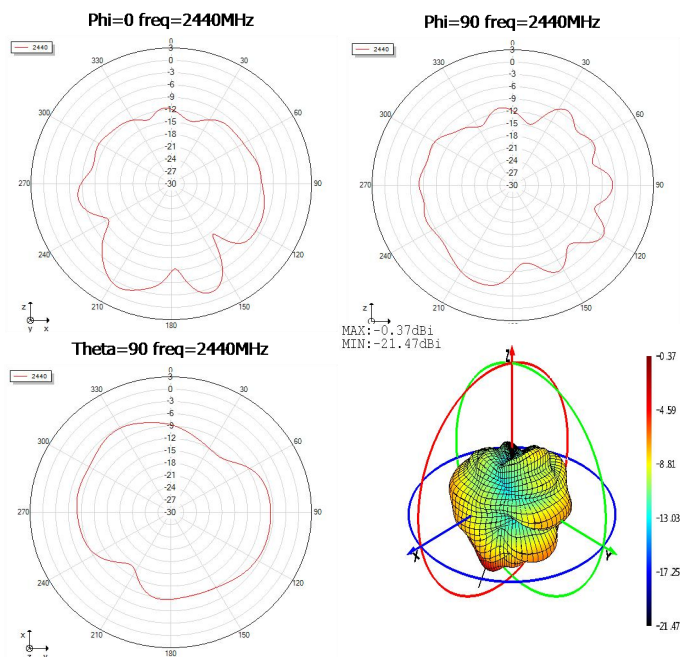
Telephone number: 0755-28700082

www.honant.com.cn

2.2: Passive efficiency of antenna

2400-2480MHz		
Freq(MHz)	Gain(dBi)	Efficiency(%)
	free space	free space
2400	-2.18	15.73
2410	-1.41	16.26
2420	-0.93	16.66
2430	-0.47	17.43
2440	-0.37	17.85
2450	-0.33	18.32
2460	-0.68	19.24
2470	-0.69	20.42
2480	-0.63	21.63
Mean value	-1.01	18.17

2.3: Passive pattern of BT antenna

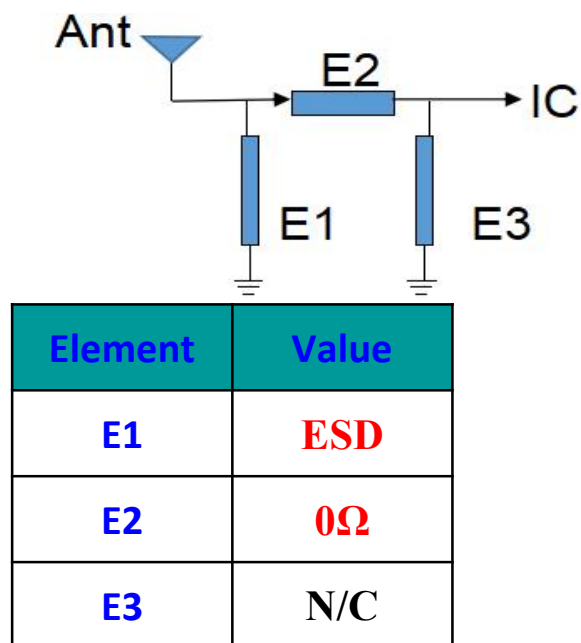


Address: 12th Floor, West Block B, Building 8, Huaqiang Creative Industry Park, Sightseeing Road, Guangming District, Shenzhen

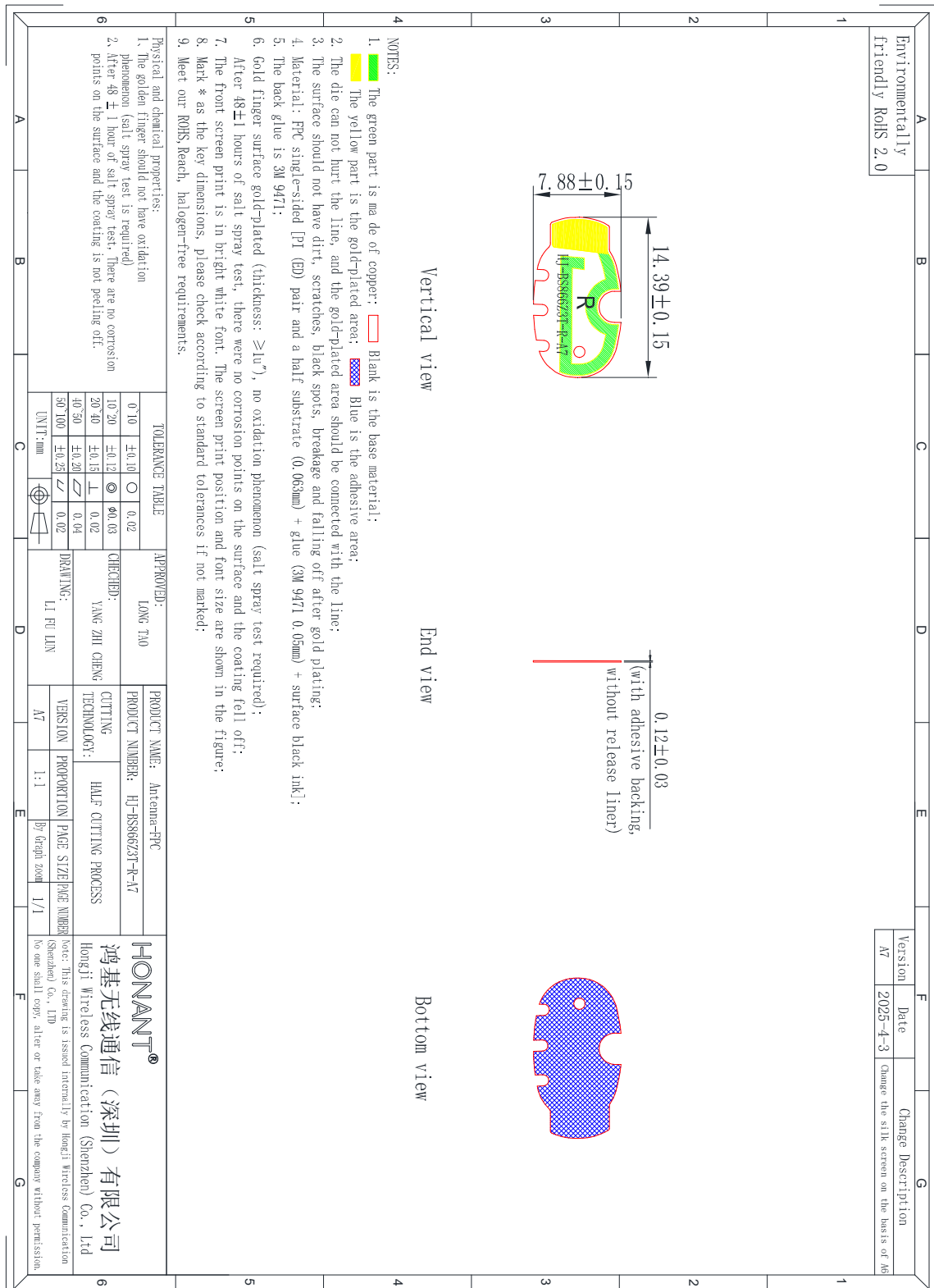
Telephone number: 0755-28700082

www.honant.com.cn

3: Matching circuit



4: Structural drawing



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