

Antenna Sample Datasheet

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

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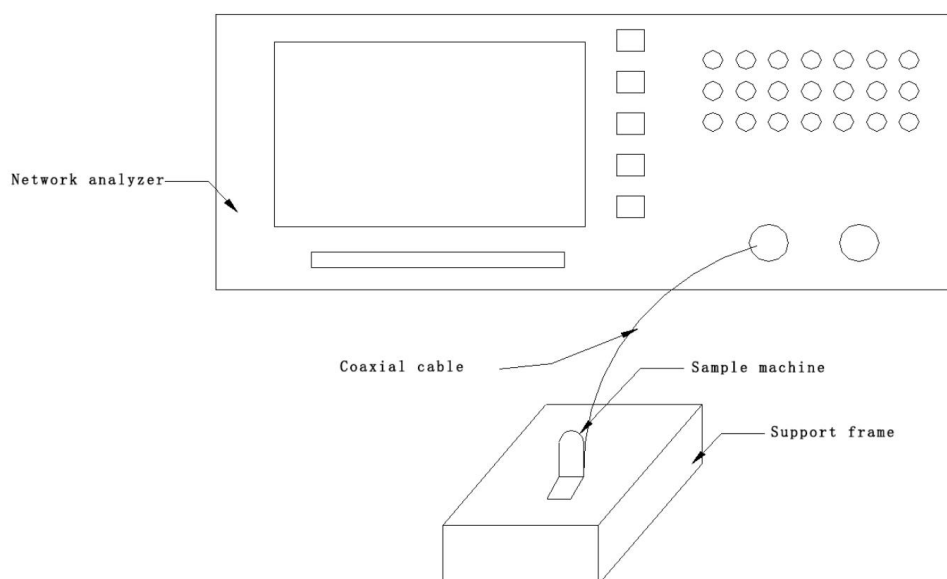
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1: Antenna test equipment

List of meters: Agilent 5071B;

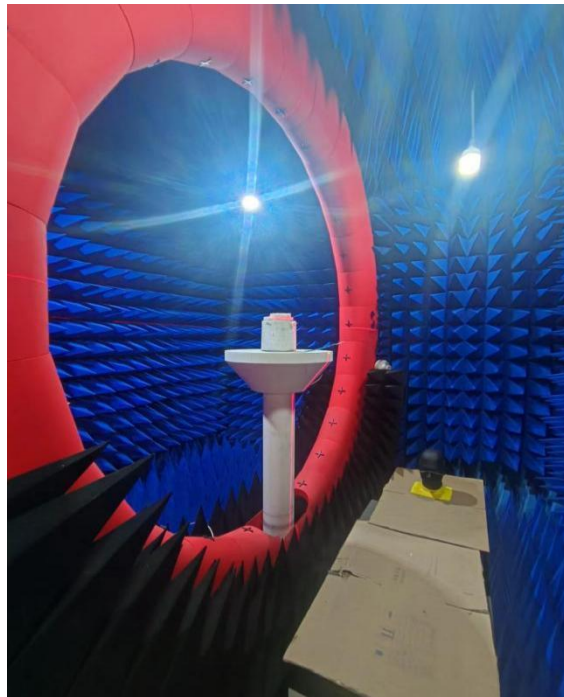


1.1 The principle diagram of the ETS anechoic chamber



Picture1. Antenna static test connection method

1.2 Pictures of the ETS anechoic chamber



Inside the ETS anechoic chamber



Test Machine

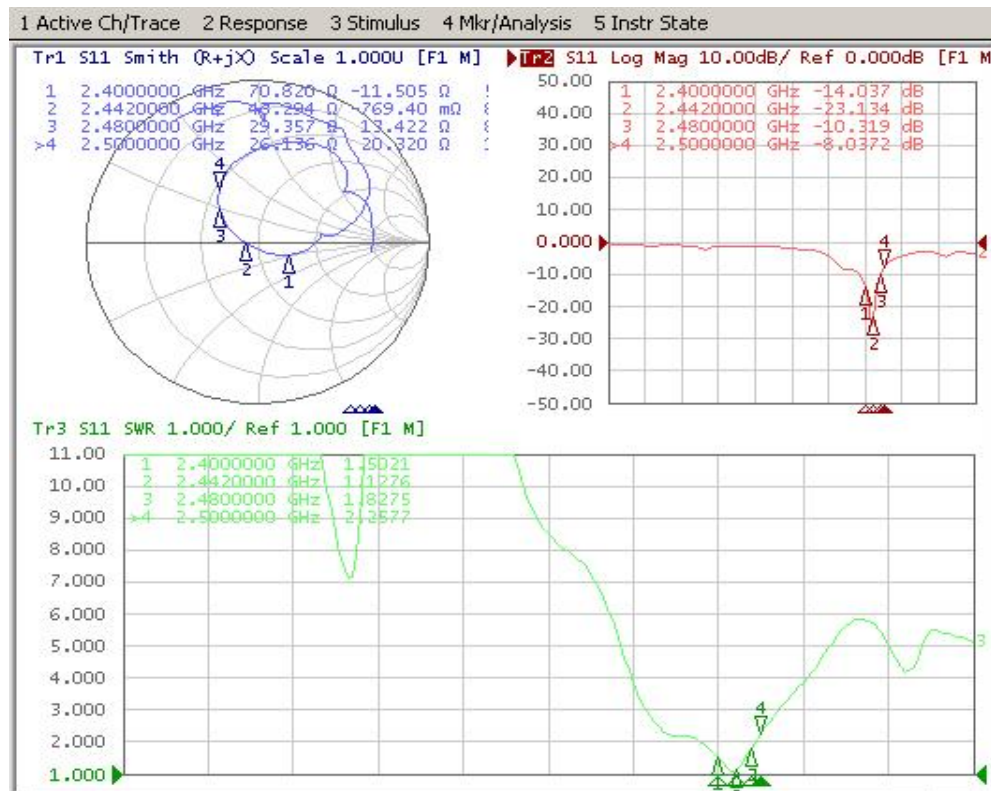
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2: Passive test report

2.1: BT antenna S11 parameters



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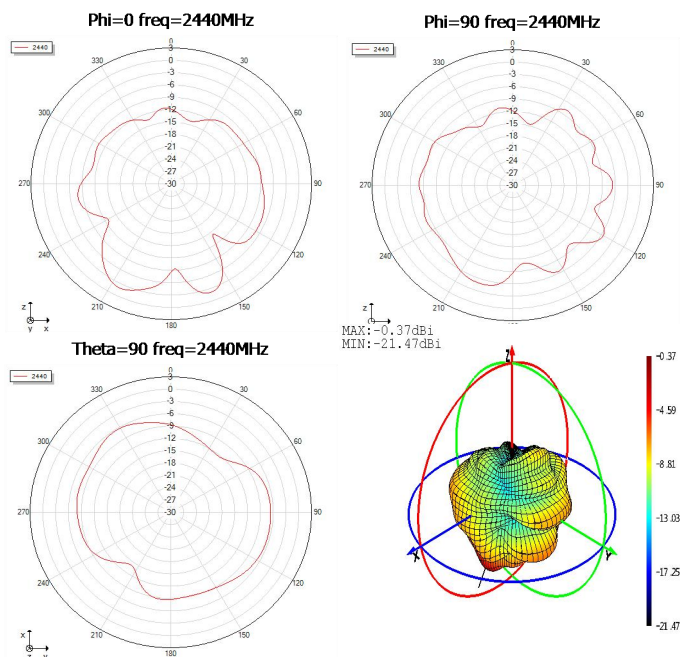
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2.2: Passive efficiency of antenna

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

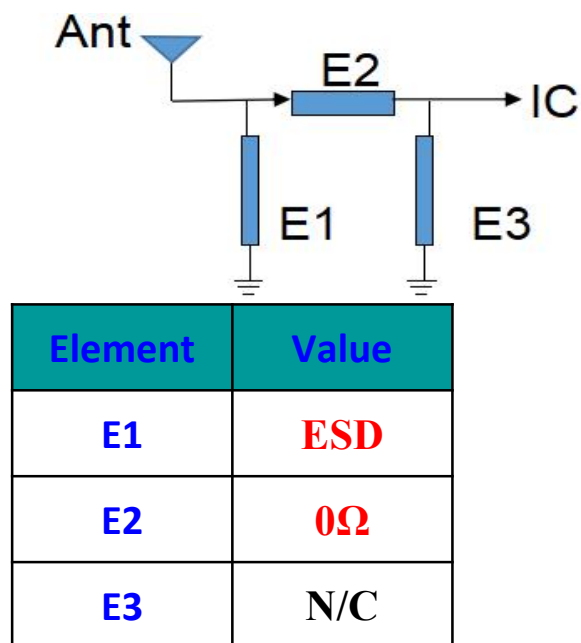


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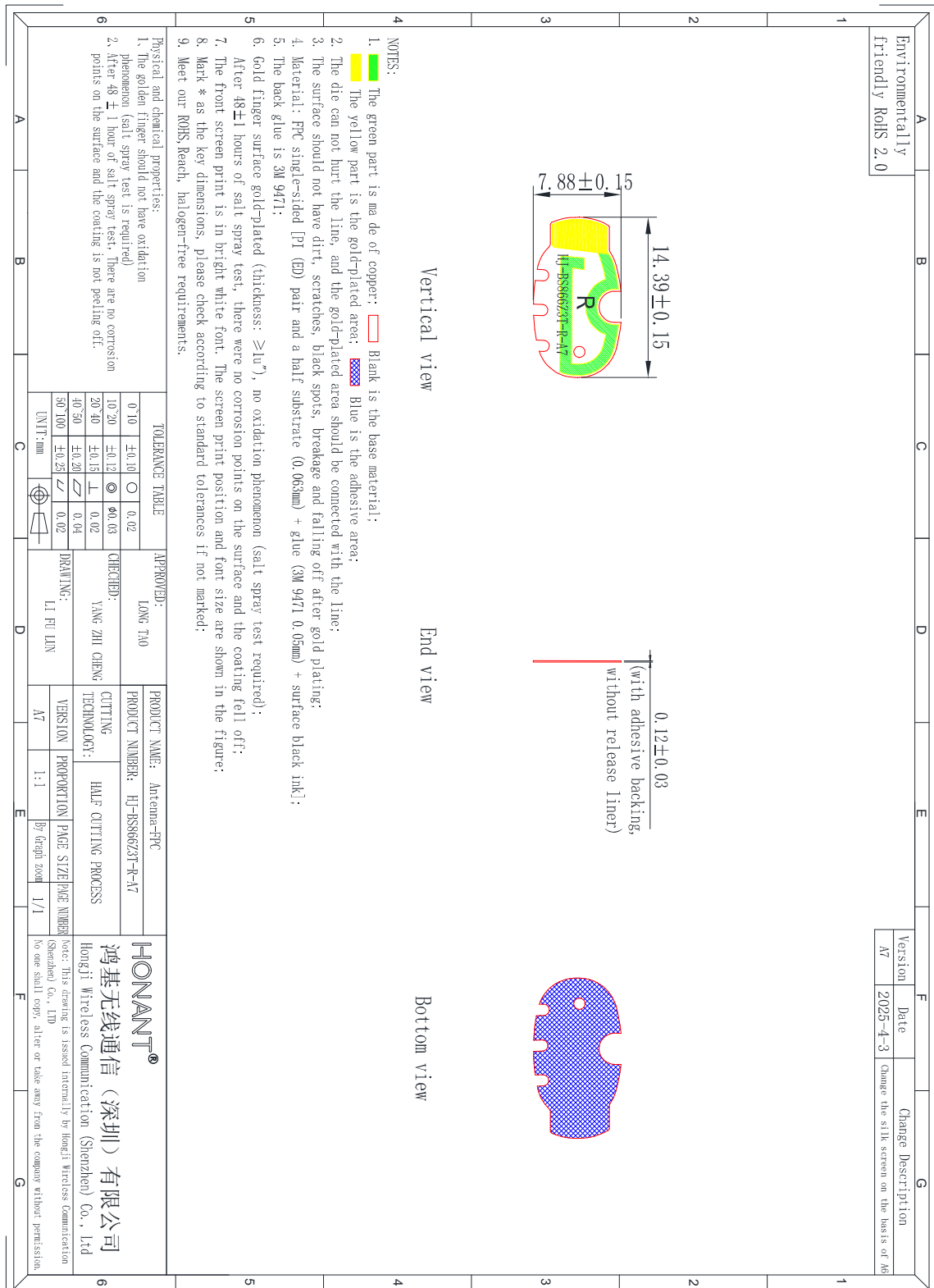
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3: Matching circuit



4: Structural drawing



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