

Antenna Sample Datasheet

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

Contents

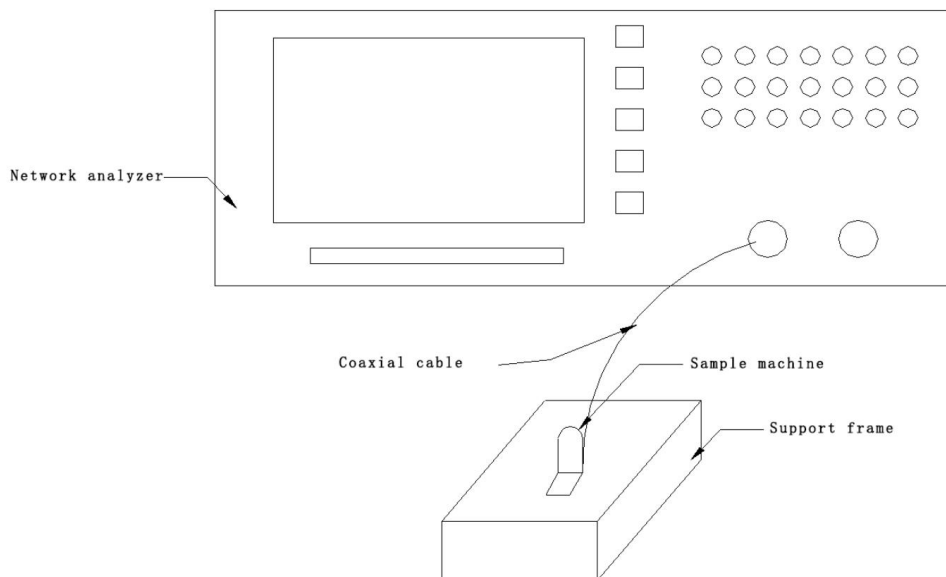
1: Antenna test equipment.....	1
2: Passive test report.....	3
3: Matching circuit.....	5
4: Structural drawing.....	6

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

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1.2 Pictures of the ETS anechoic chamber



Inside the ETS anechoic chamber



Test Machine

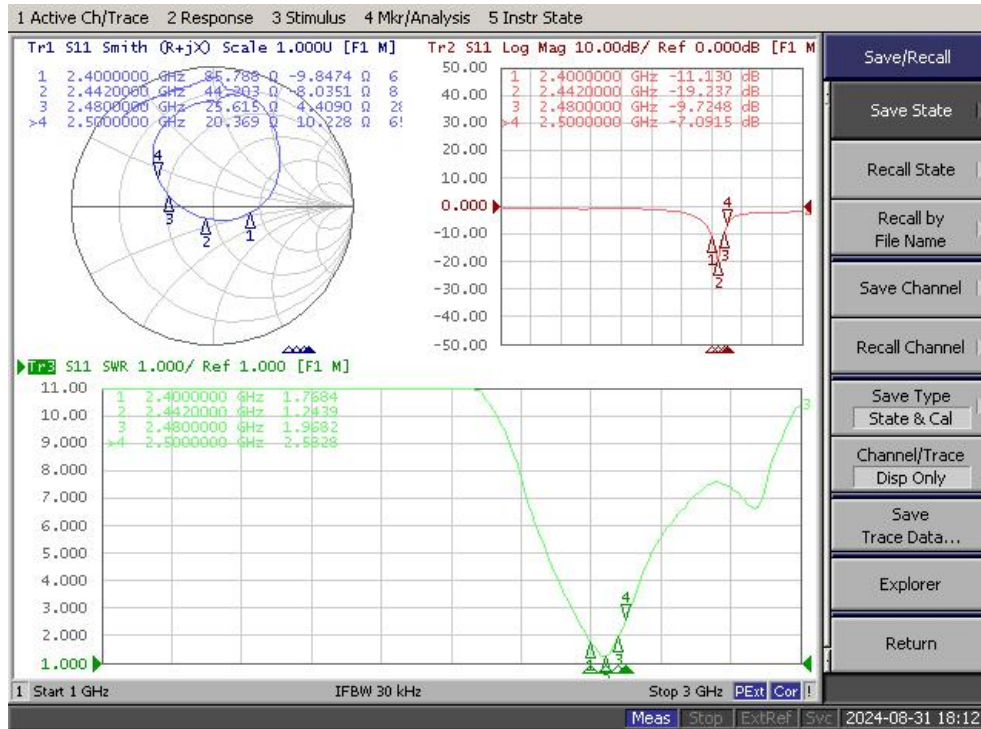
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2: Passive test report

2.1: BT antenna S11 parameters



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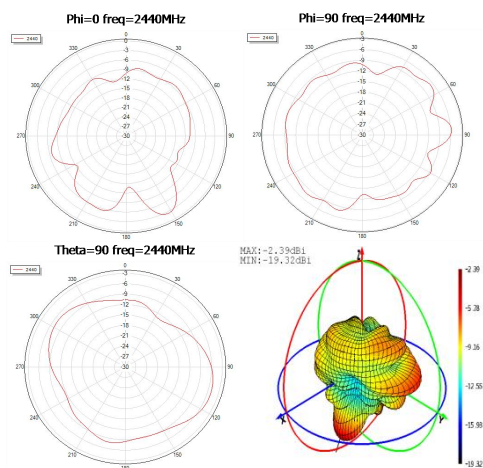
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2.2: Passive efficiency of antenna

2400-2480MHz		
Freq(MHz)	Gain(dBi)	Efficiency(%)
	free space	free space
2400	-2.77	14.5
2410	-2.69	14.4
2420	-2.67	14.59
2430	-2.47	14.73
2440	-2.39	14.69
2450	-2.45	14.79
2460	-2.68	14.81
2470	-2.6	15.09
2480	-3.18	15.13
Mean value	-2.66	14.75

2.3: Passive pattern of BT antenna

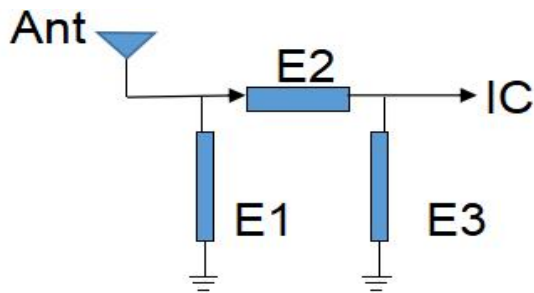


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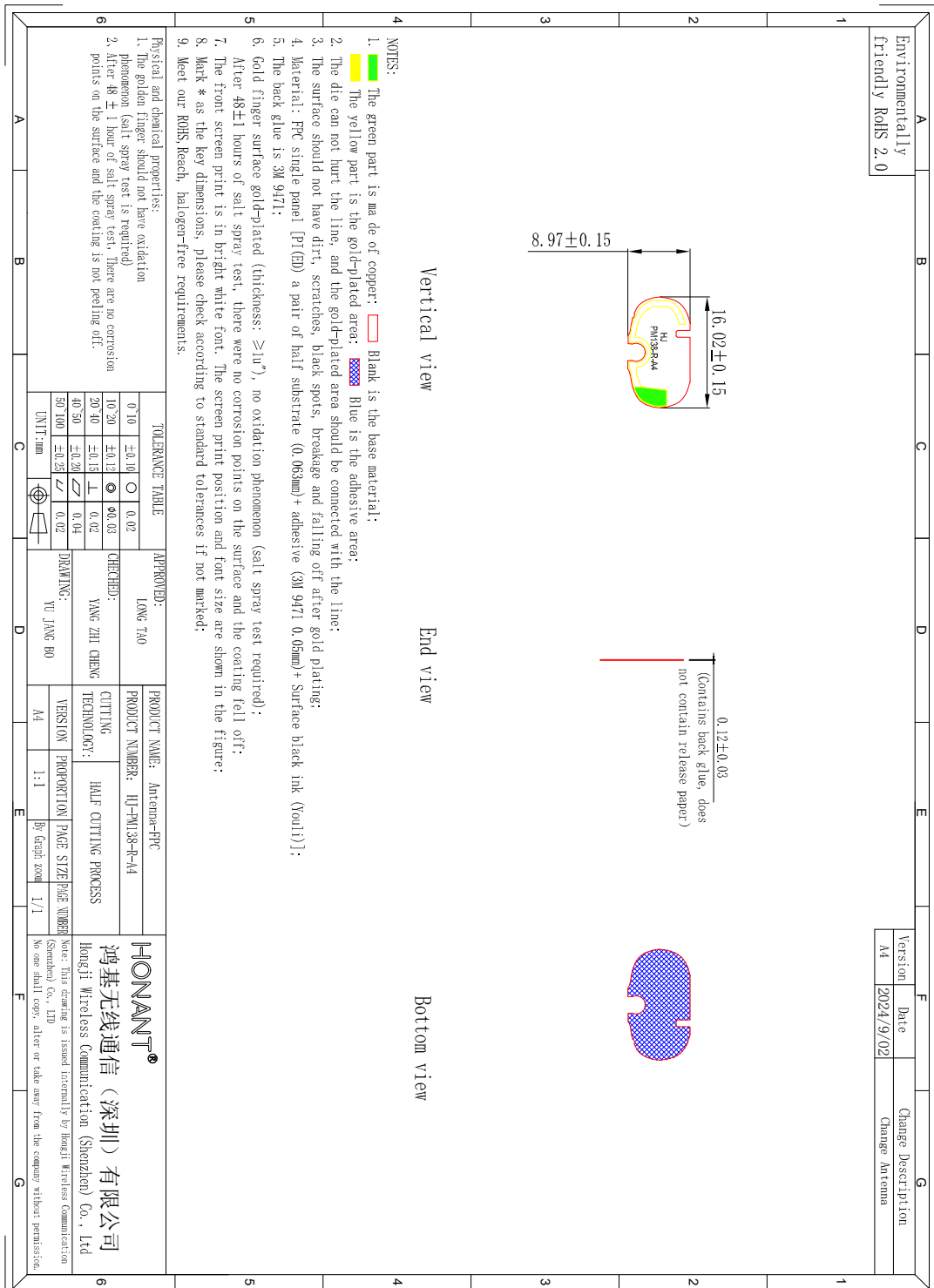
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3: Matching circuit



Element	Value
E1	N/C
E2	0Ω
E3	N/C

4: Structural drawing



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