

Antenna Sample Datasheet

entry name:	Y12-C-R
Material category:	BT antenna
Antenna Type	PIFA
Antenna Material	FPC
edition:	A4
Date:	2024.06.18

Contents

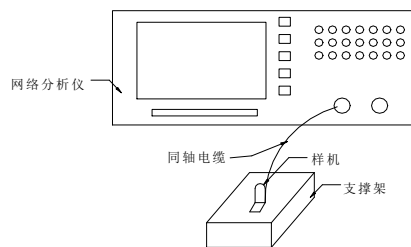
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1: Antenna test equipment

List of meters: Agilent 5071B;

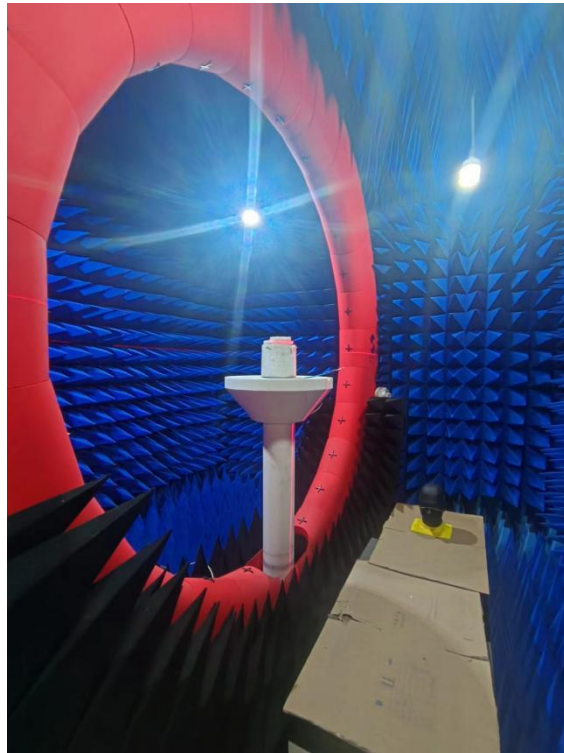


1.1 The principle diagram of the ETS anechoic chamber



Picture1. Antenna static test connection method

1.2 Pictures of the ETS anechoic chamber



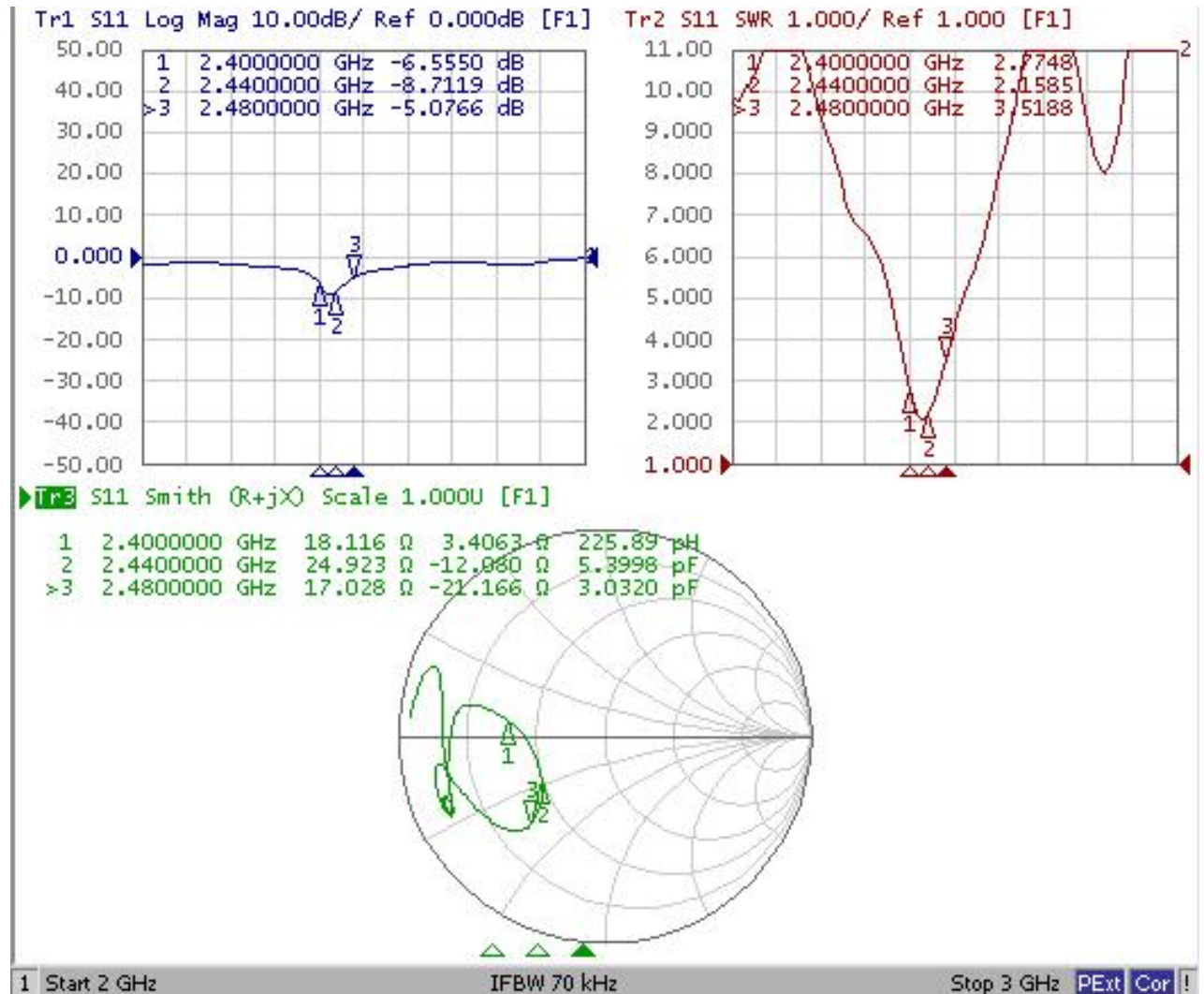
Inside the ETS anechoic chamber



Test Machine

2: Passive test report

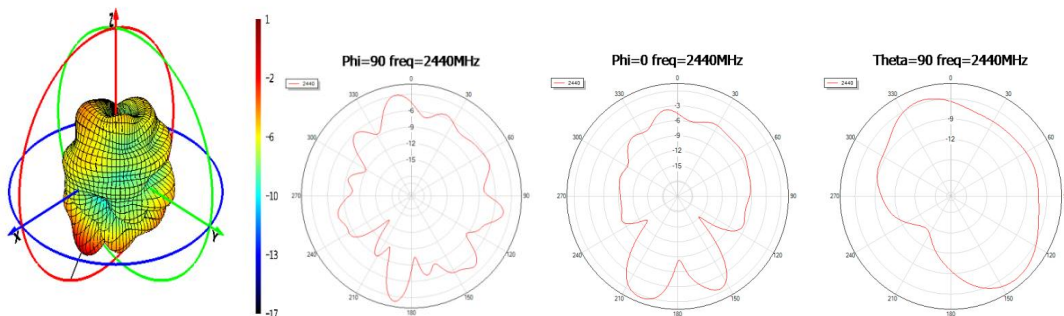
2.1: BT antenna S11 parameters



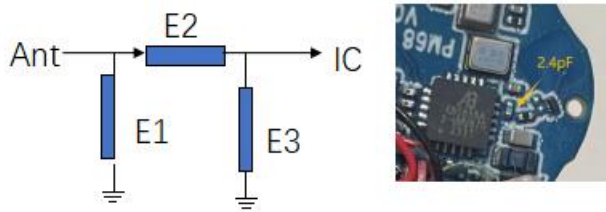
2.2: Passive efficiency of antenna

Freq(MHz)	Gain(dBi)	Efficiency(%)
2400	-1.5	15.2
2410	-1.4	15.9
2420	-0.8	16.3
2430	-0.6	16.8
2440	-0.2	16.2
2450	-0.4	15.8
2460	-0.8	15.9
2470	-1.1	16.3
2480	-1.2	15.2

2.3: Passive pattern of BT antenna

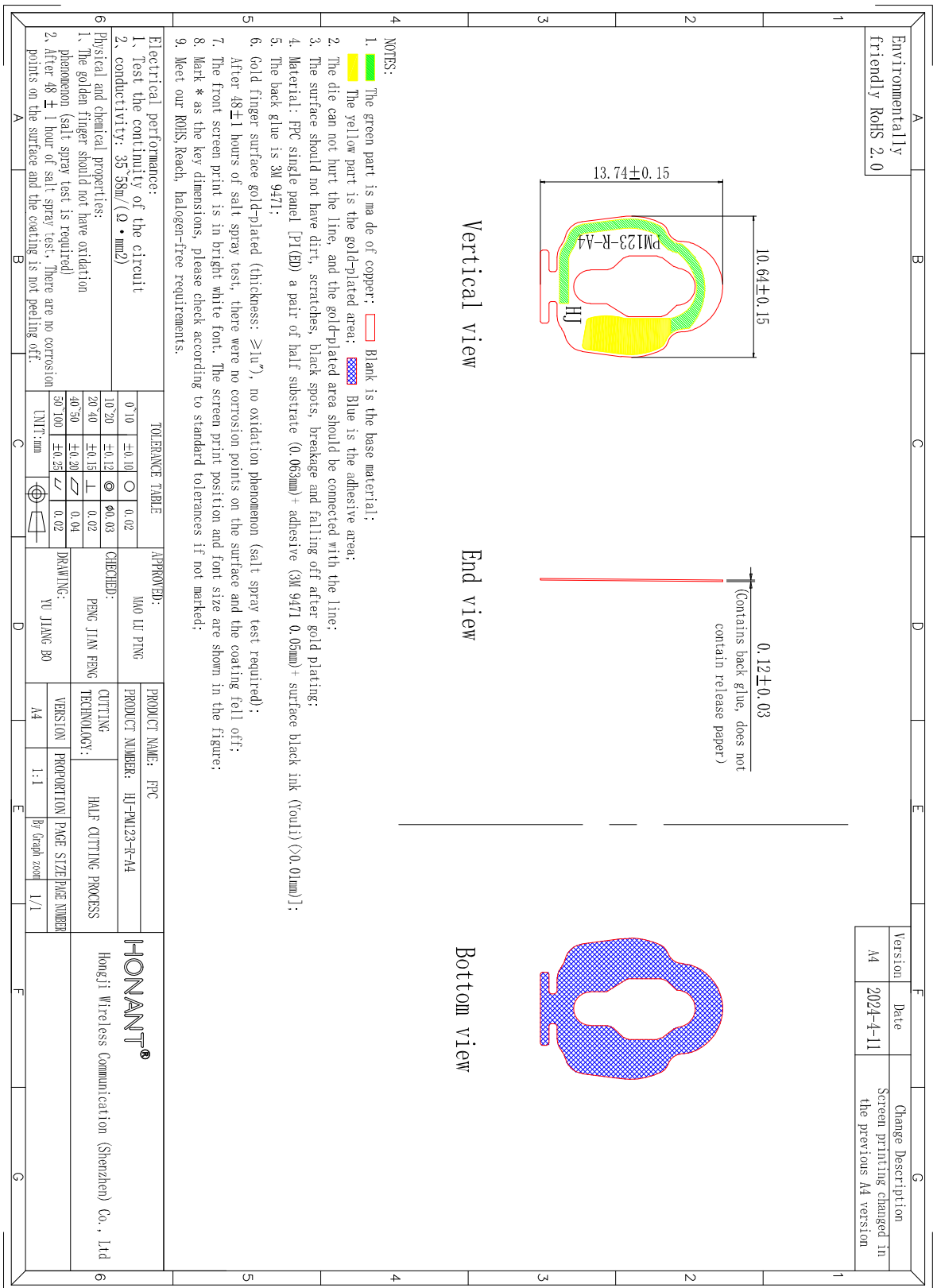


3: Matching circuit



Element	Value
E1	N/A
E2	0R
E3	2.4pF

4: Structural drawing



5: Antenna diagram

