

Antenna Sample Datasheet

customer:	Dongguan hunting sound electronic technology Co., LTD
entry name:	SU07
Material category:	BT antenna
Antenna Type	PIFA
Antenna Material	FPC
Date:	2024. 4. 17

Contents

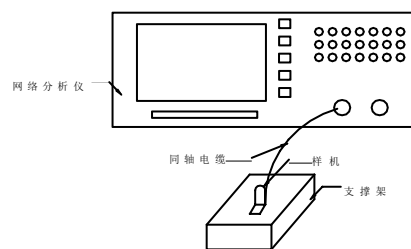
1 : Antenna test equipment.....	1
2 : Passive test report.....	3
3 : Matching circuit.....	4
4 : Structural drawing.....	5
5 : Antenna diagram.....	6

1 : Antenna test equipment

List of meters: Agilent 5071B;



1. 1The principle diagram of the ETS anochic chamber



Picture1. Antenna static test connection method

1.2 Pictures of the ETS anechoic chamber



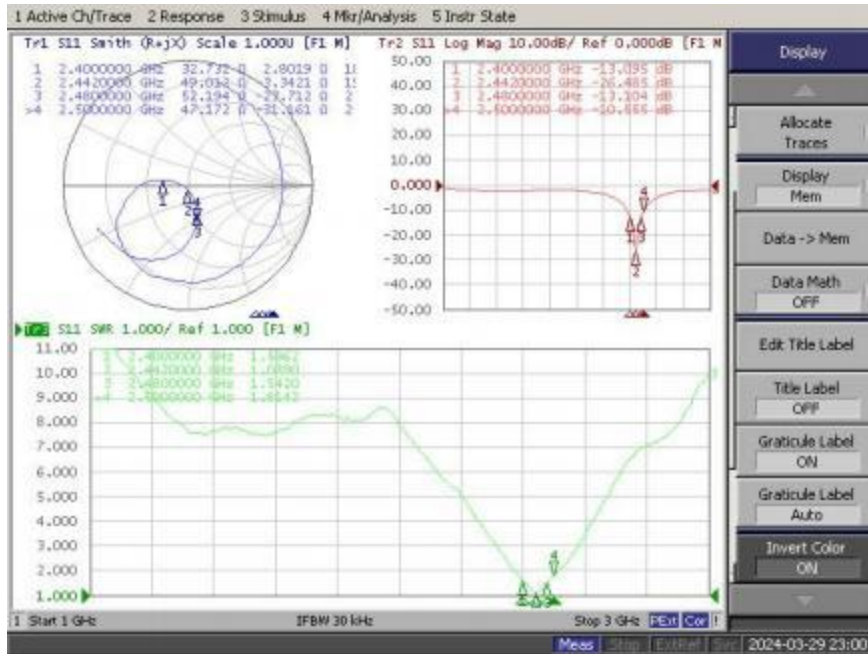
Inside the ETS anechoic chamber



Test Machine

2 : Passive test report

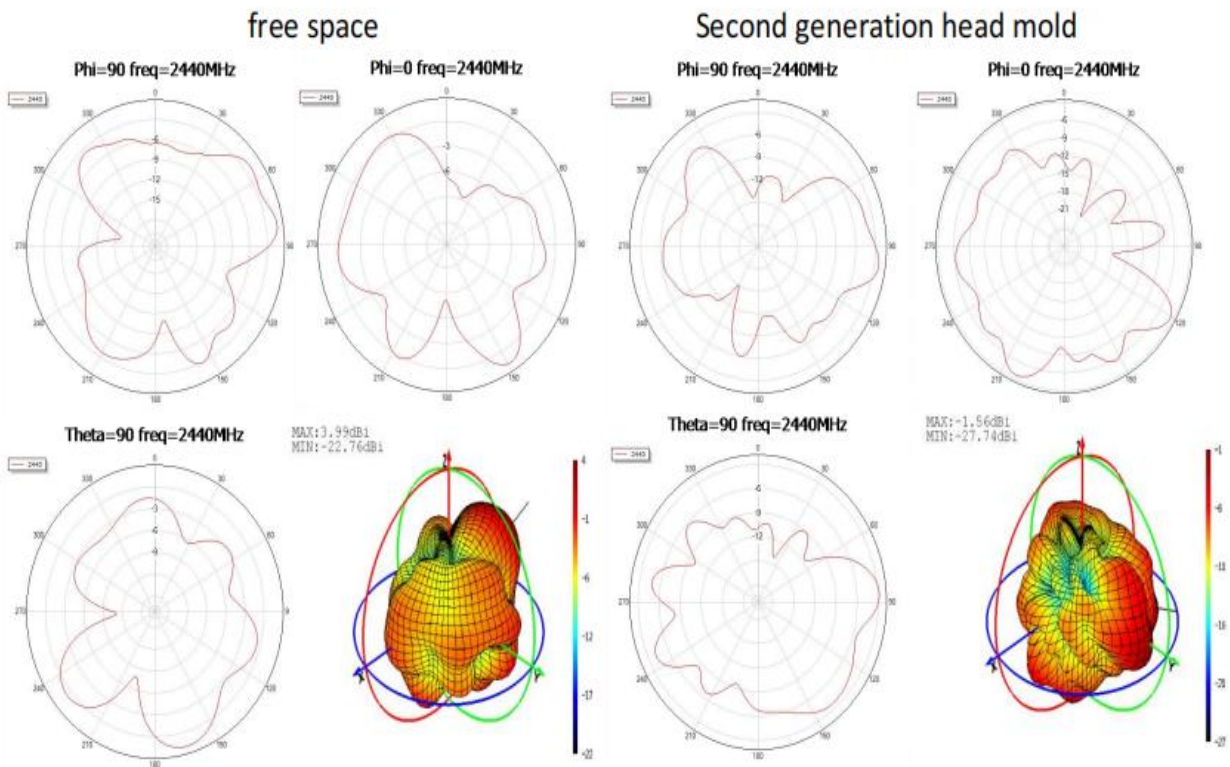
2.1 : BT antenna S11 parameters



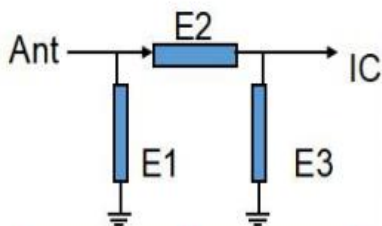
2.2 : Passive efficiency of antenna

2400-2480MHz				
Freq(MHz)	Gain(dBi)	Efficiency(%)	Gain(dBi)	Efficiency(%)
	free space	free space	Second generation head mold	Second generation head mold
2400	4.87	47.72	-1.66	14.82
2410	4.7	45.98	-1.64	14.43
2420	4.42	44.4	-1.62	14.31
2430	4.26	43.13	-1.58	13.92
2440	3.99	40.28	-1.56	13.23
2450	3.81	39.69	-1.79	13.37
2460	3.52	38.77	-1.92	13.58
2470	3.19	38.15	-2.04	13.76
2480	2.81	39.24	-2.36	14
Mean value	3.95	41.93	-2.02	13.96

2.3: Passive pattern of BT antenna



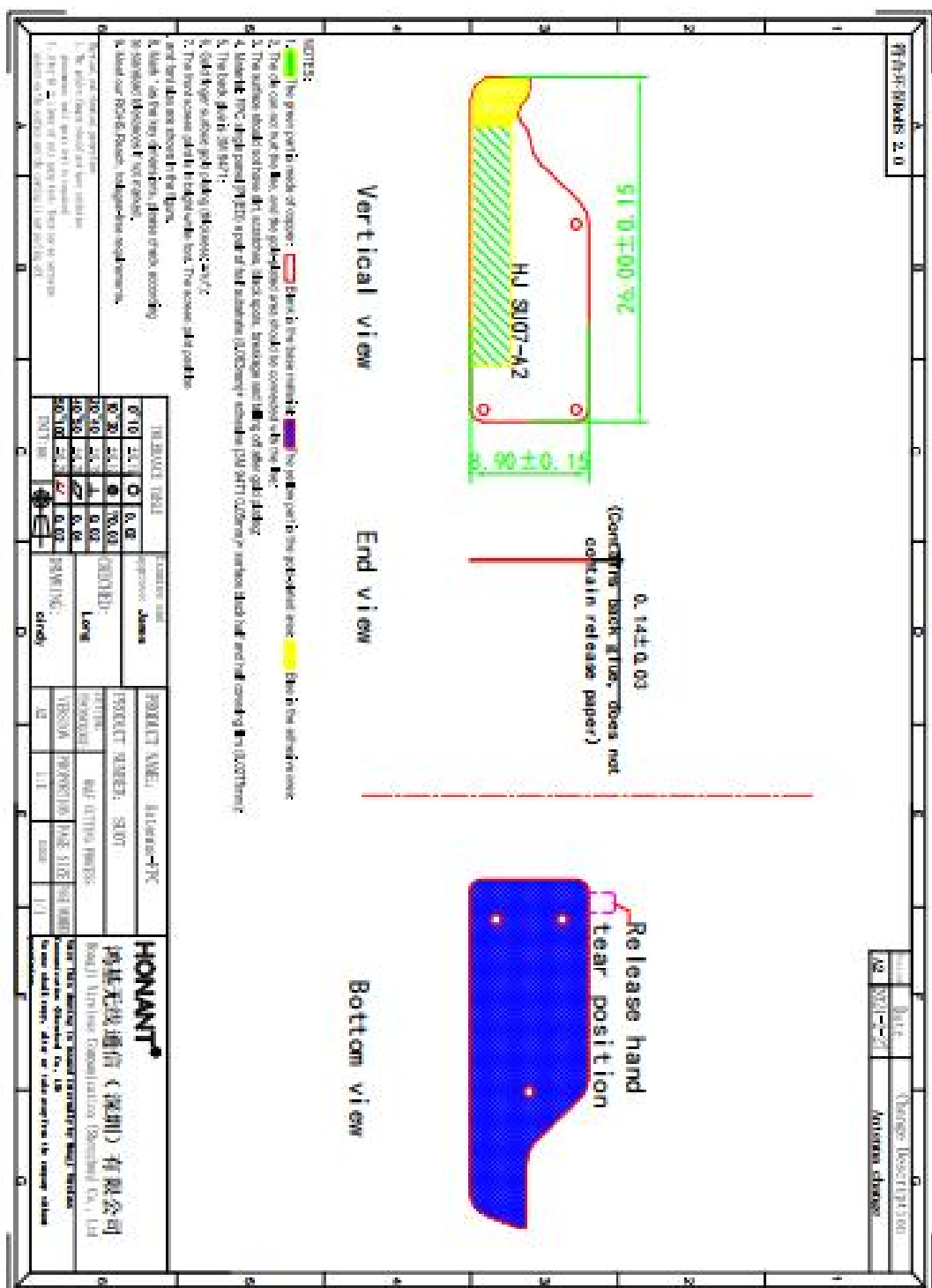
3: Matching circuit



Element	Value
E1	ESD
E2	0Ω
E3	1.5PF



4: Structural drawing



5: Antenna diagram

