

Antenna Sample Datasheet

customer:	Dongguan Hele Electronics Co., LTD
entry name:	HT12
Material category:	BT antenna
Antenna Type	Monopole
Antenna Material	FPC
edition:	A8
Date:	2024. 7. 31

Contents

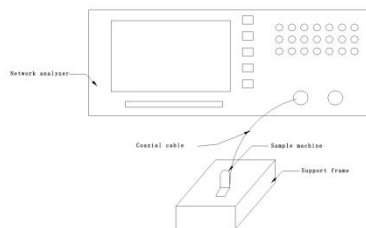
1: Antenna test equipment.....	1
2: Passive test report.....	3
3: Matching circuit.....	5
4: Structural drawing.....	5
5: Antenna diagram.....	7

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

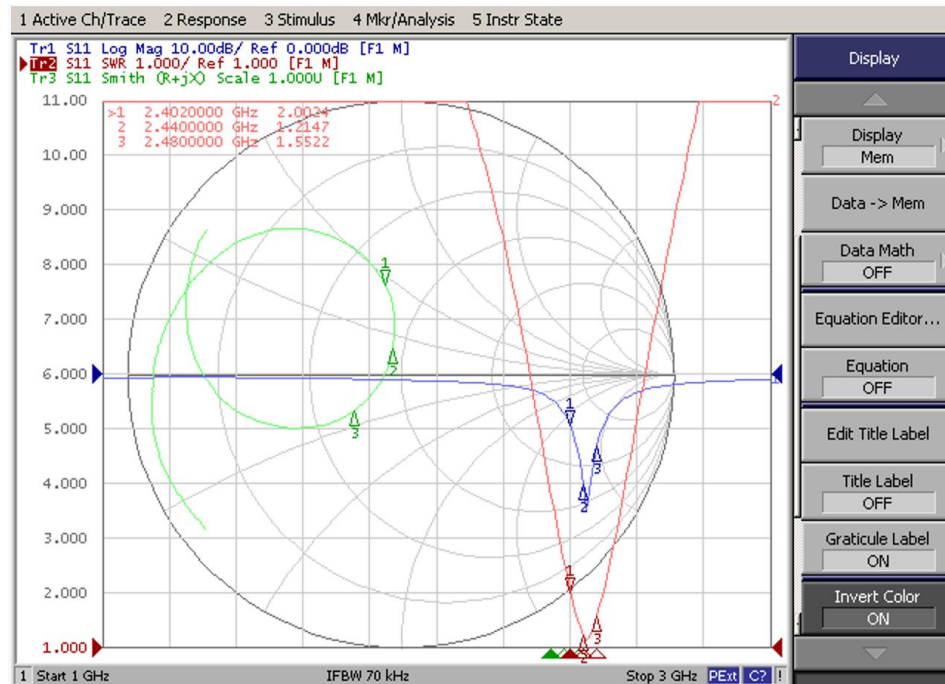


Test Machine

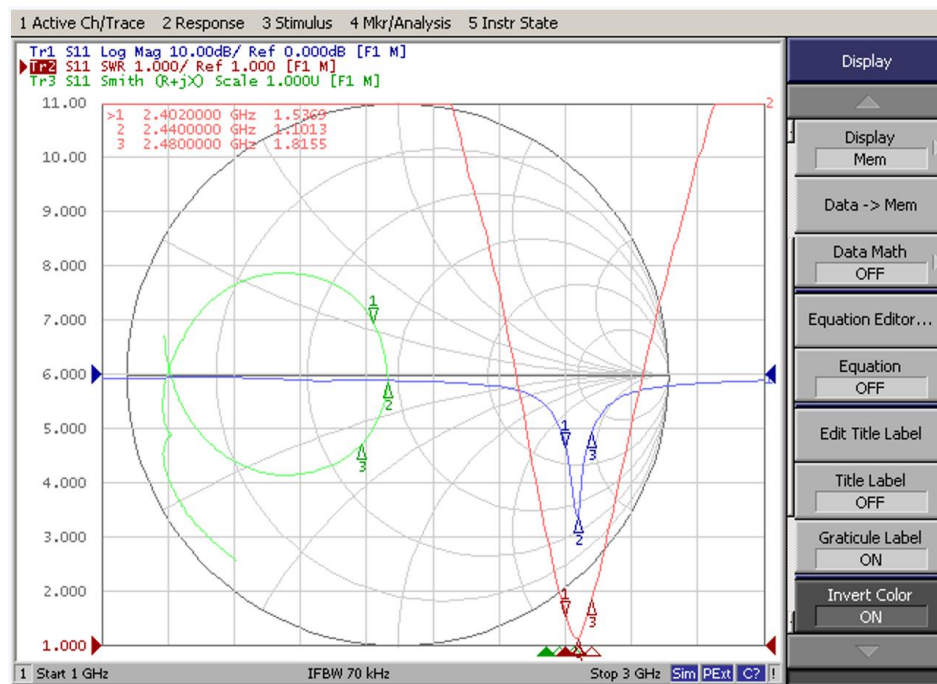
2: Passive test report

2.1: BT antenna S11 parameters

Left:



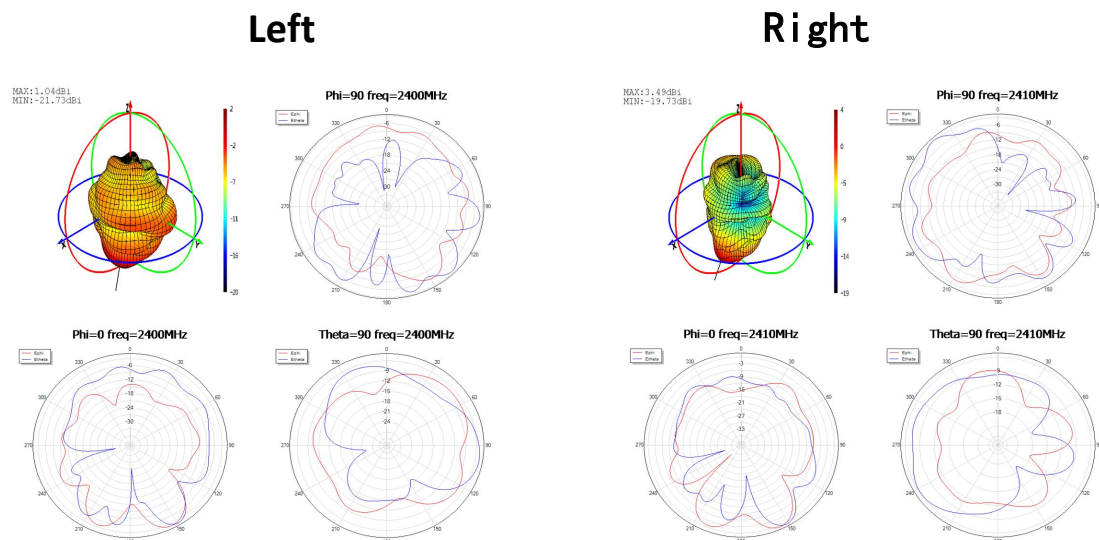
Right:



2.2: Passive efficiency of antenna

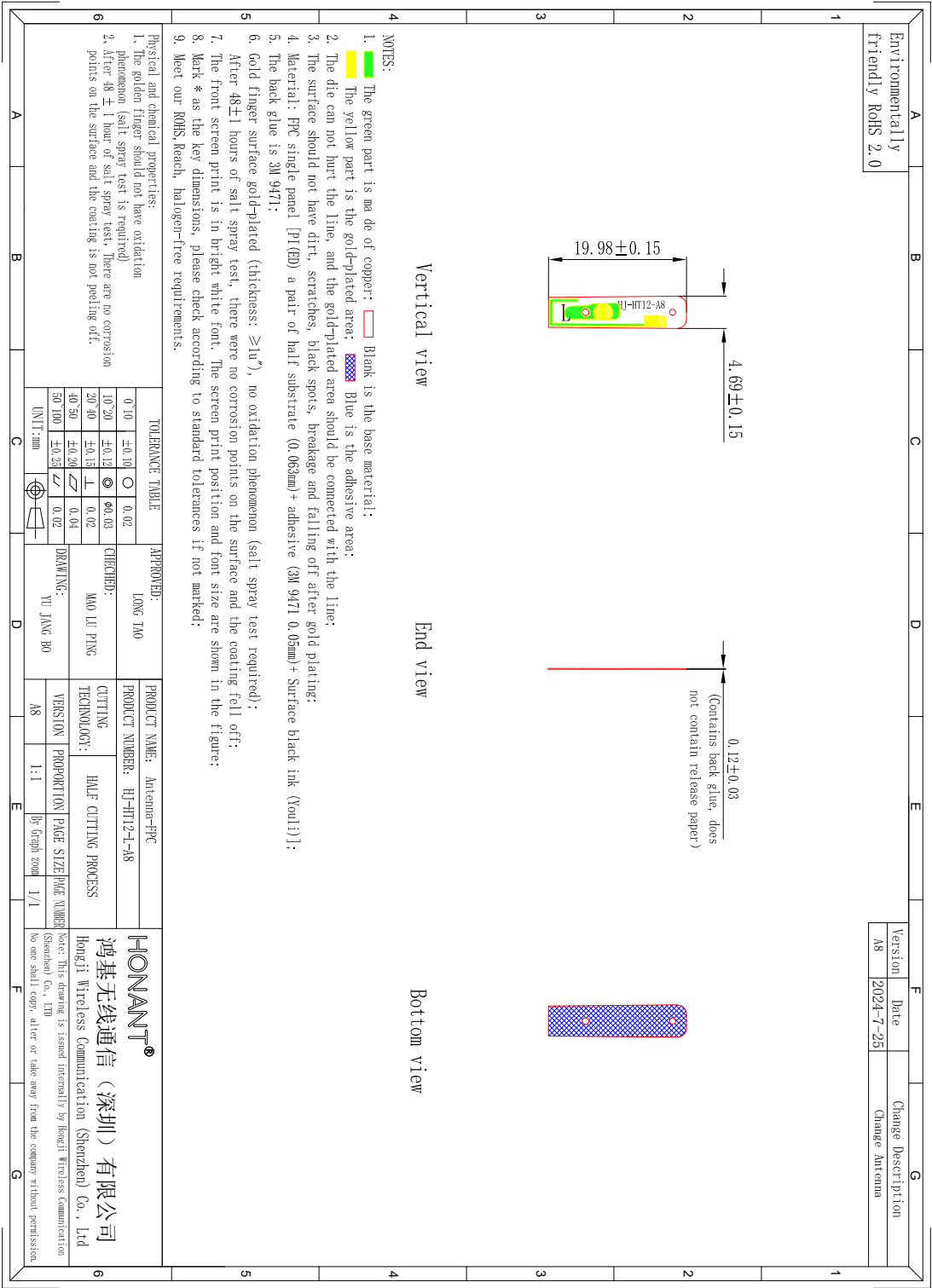
2400-2480MHz				
Freq(MHz)	Gain(dBi)	Efficiency(%)	Gain(dBi)	Efficiency(%)
	free space-Left	free space-Left	free space-Right	free space-Right
2400	1.04	24.11	3.49	27.86
2410	1.21	24.1	3.68	28.12
2420	1.53	25.4	3.83	28.45
2430	1.71	25.29	4.01	27.7
2440	1.87	25.59	3.97	26.64
2450	2	26.5	3.92	26.51
2460	1.82	27.19	3.85	26.85
2470	2.05	29.09	4.12	28.2
2480	2.07	30.78	3.99	29.41

2.3: Passive pattern of BT antenna



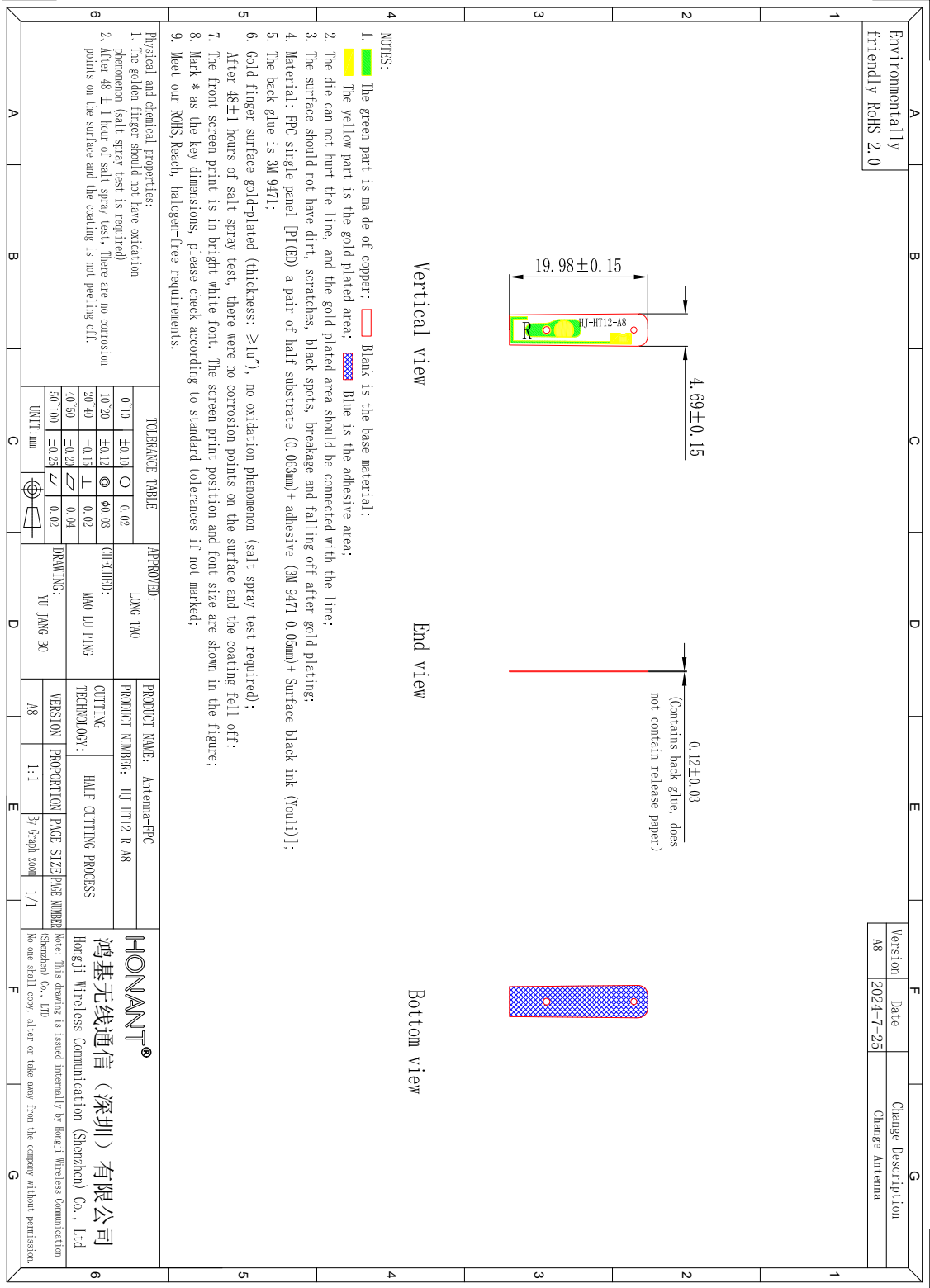
3: Structural drawing

L



Address： Unit 1201,1202,1204, Block B, Block 8, phase 4, Huaqiang Creative Industry Park,
Guangming District, Shenzhen City

R



4: Antenna diagram

