

# HONANT<sup>®</sup> 鸿基无线通信(深圳)有限公司

Hongji Wireless Communication (Shenzhen) Co., Ltd

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

## Antenna Sample Datasheet

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



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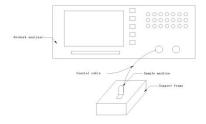
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#### 1: Antenna test equipment

List of meters: Agilent 5071B;



#### 1.1The principle diagram of the ETS anochoic chamber



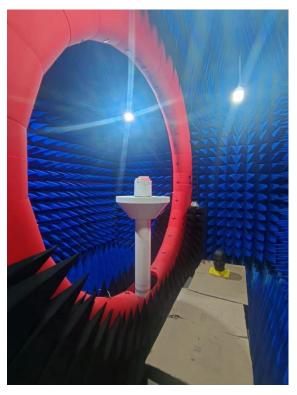
Picture1. Antenna static test connection method

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#### 1.2 Pictures of the ETS anochoic chamber



Inside the ETS anochoic chamber



Test Machine



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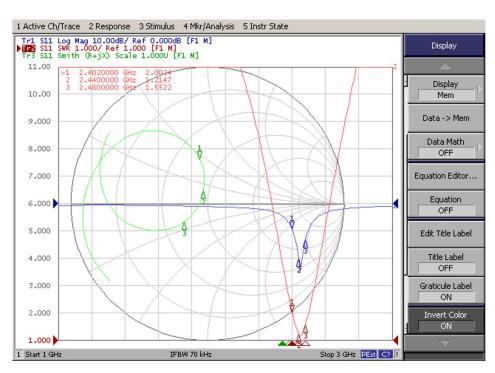
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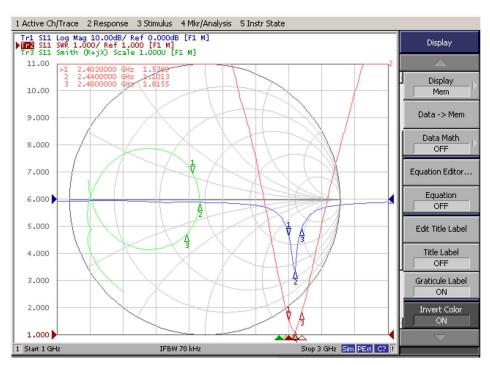
#### 2: Passive test report

#### 2.1: BT antenna S11 parameters

#### Left:



#### Right:





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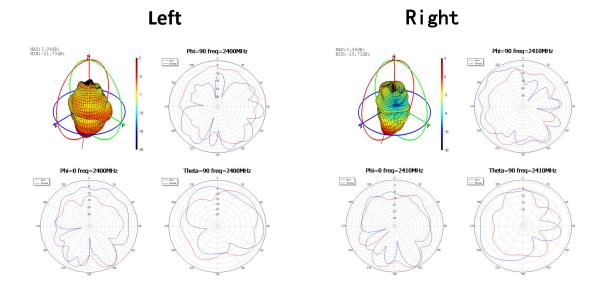
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#### 2.2: Passive efficiency of antenna

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



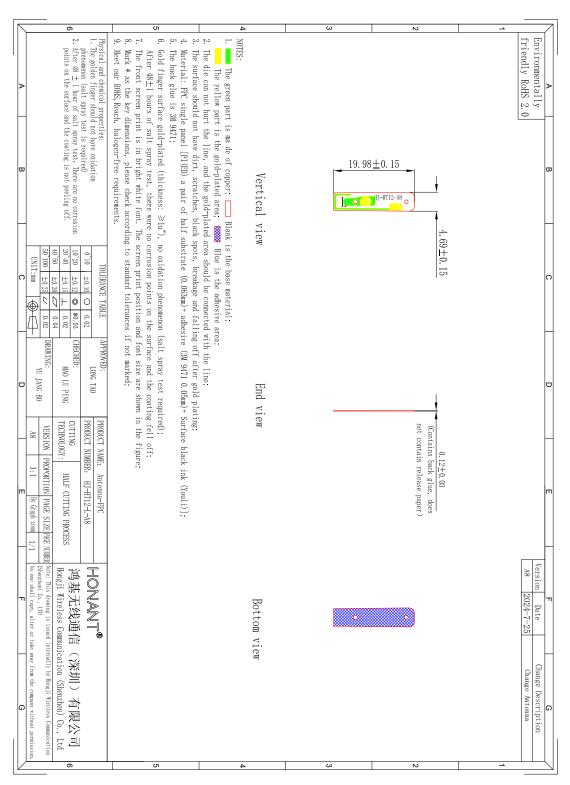


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#### 3: Structural drawing L

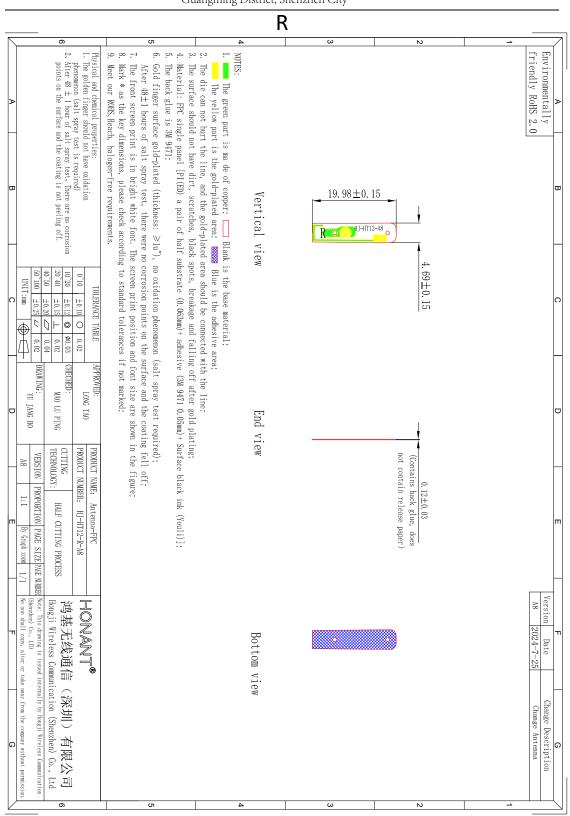


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#### 4: Antenna diagram

