Antenna Sample Datasheet

customer:	Jiangxi Taide Wisdom Technology Co.,Ltd
entry name:	1002
Material category:	BT antenna
Antenna Type	Monopole
Antenna Material	FPC
edition:	A0
Date:	2024.5.17

Antenna manufacturer:Hongji Wireless Communication (Shenzhen) Co., LTD

http://www.honant.com.cn

Address:12 / F, West Block B, Building 8, Huaqiang Creative Industry Park, Sightseeing Road, Guangming District, Shenzhen

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1：Antenna test equipment.....1

2：Passive test report.....3

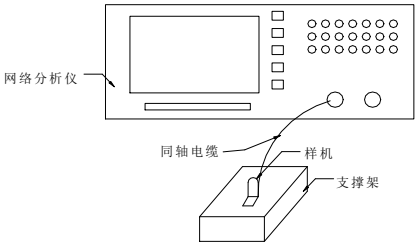
3：Structural drawing.....6

4：Antenna diagram.....7

1：Antenna test equipment

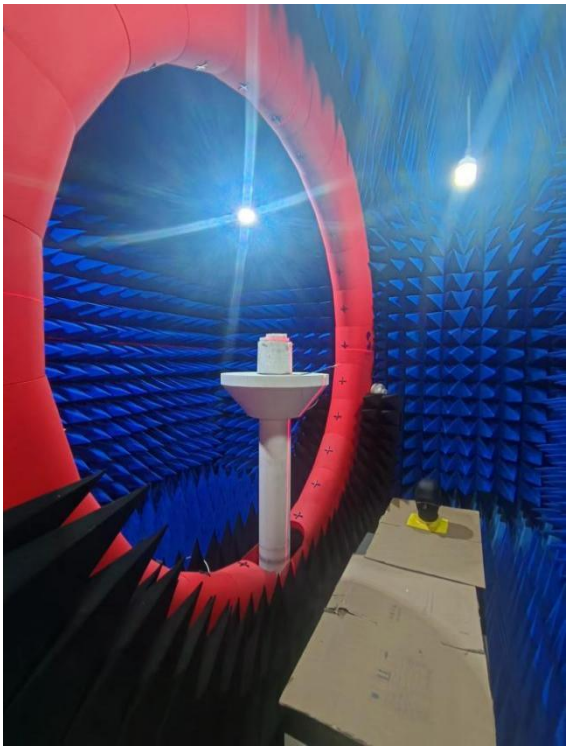
List of meters： Agilent 5071B；

1.1The principle diagram of the ETS anochoic chamber



Picture1.Antenna static test connection method

1.2 Pictures of the ETS anochoic chamber

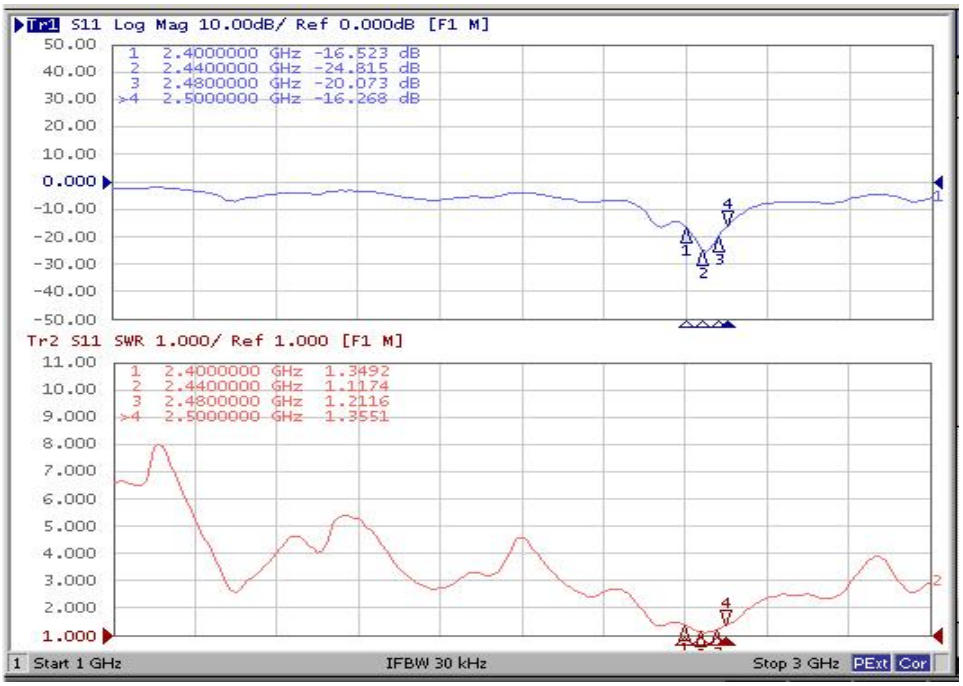


Inside the ETS anochoic chamber

Test Machine

2：Passive test report

2.1： antenna S11 parameters

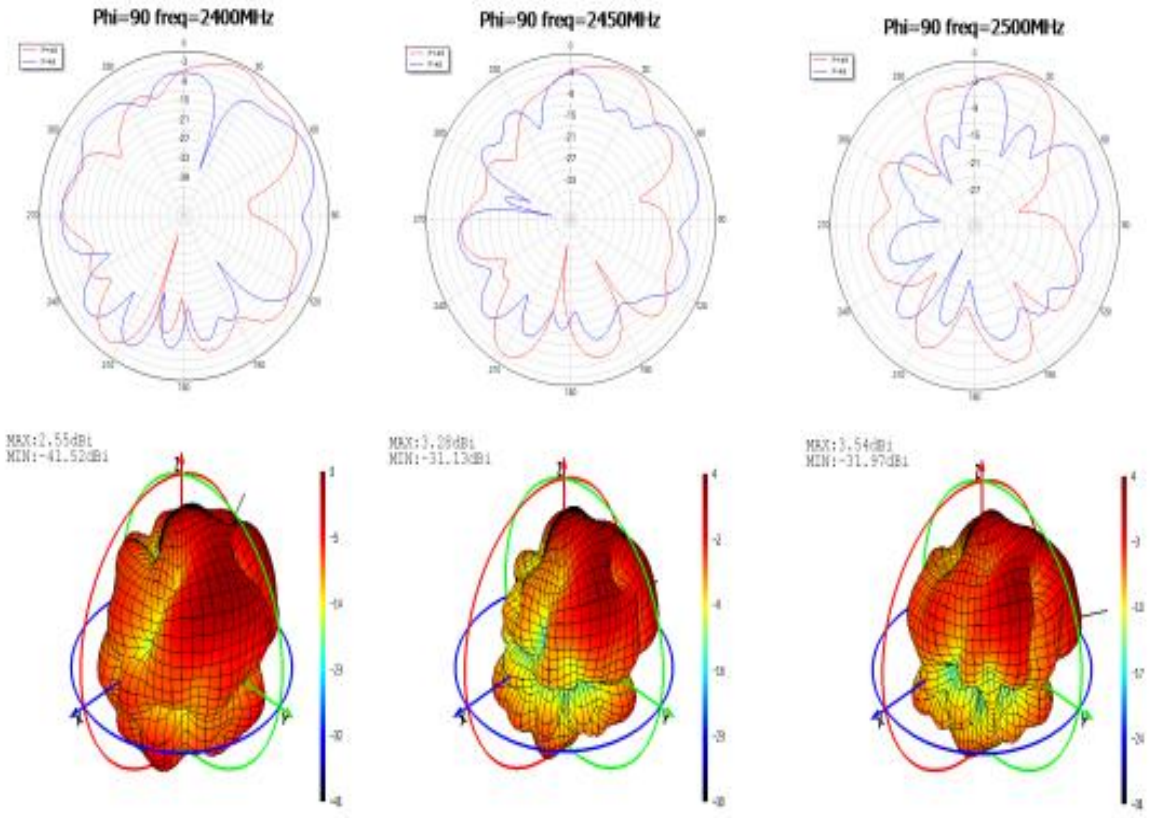


2.2： Passive efficiency of antenna

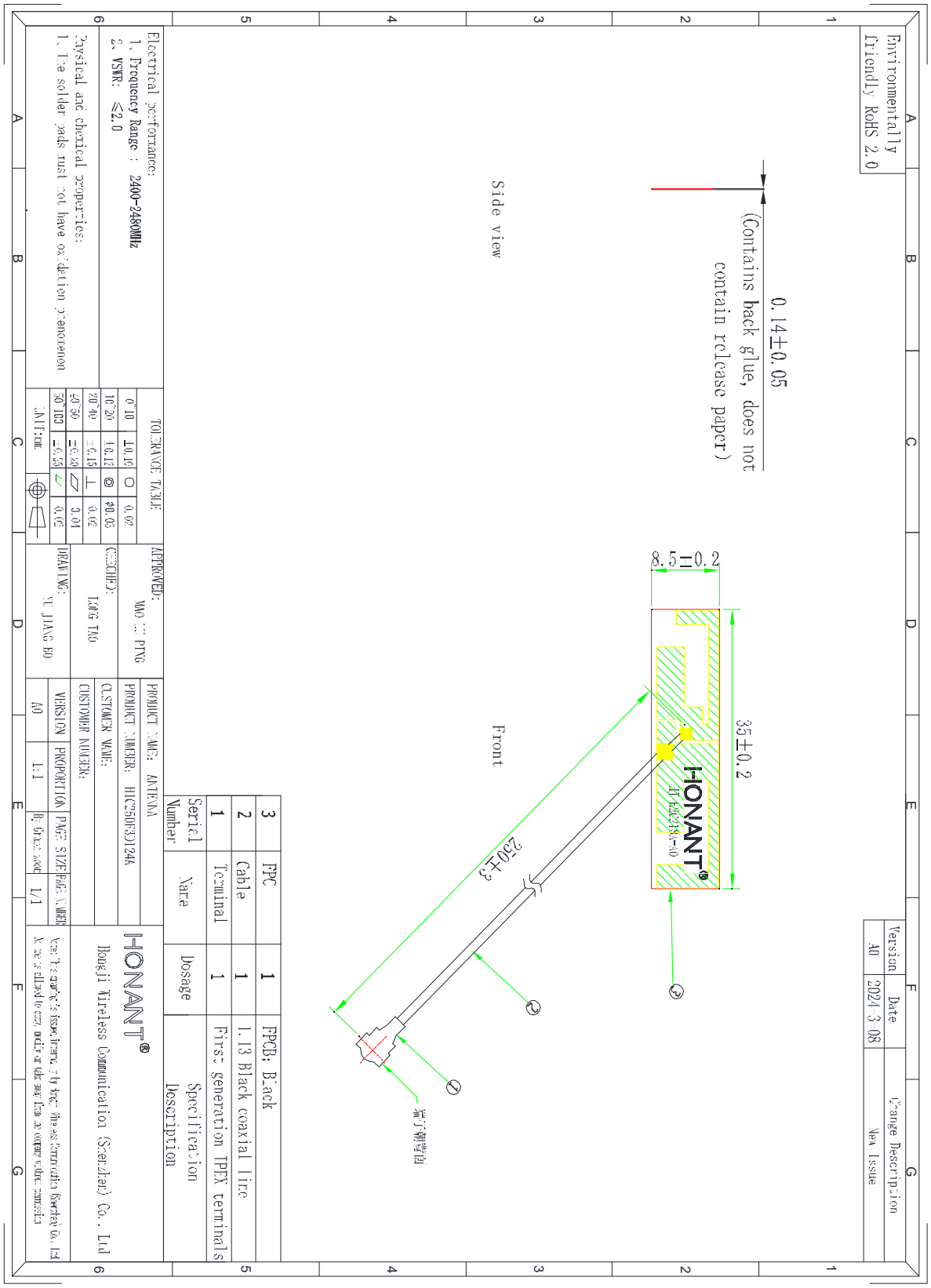
2400-2500MHz			
Freq(MHz)	Gain(dBi)	Efficiency(db)	Efficiency(%)
2400	2.55	-3.27	47.09
2410	2.94	-3.24	47.37
2420	3.1	-3.14	48.5
2430	3.13	-2.9	51.3
2440	3.05	-2.76	53.01
2450	3.28	-2.69	53.86
2460	3.51	-2.75	53.11
2470	3.82	-2.72	53.46
2480	3.87	-2.86	51.73
2490	3.63	-3.28	46.99
2500	3.54	-3.3	46.78
AVG	3.25	-2.93	51.05

2.3：Passive pattern of BT antenna

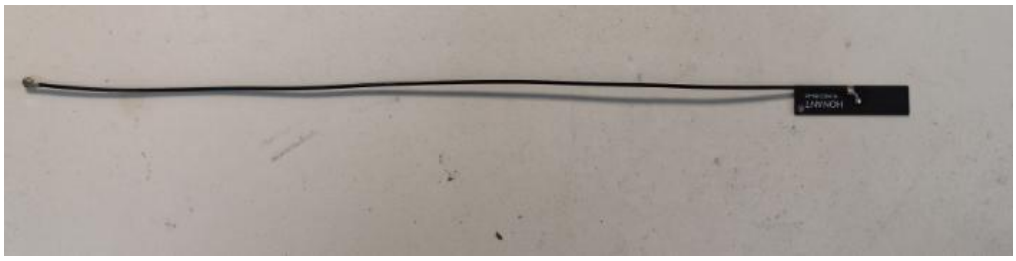
2400-2500MHz

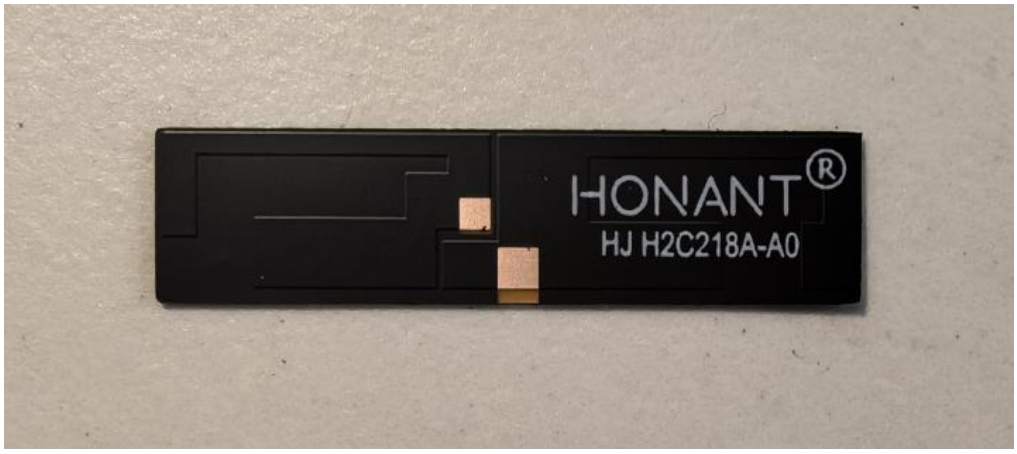


3：Structural drawing

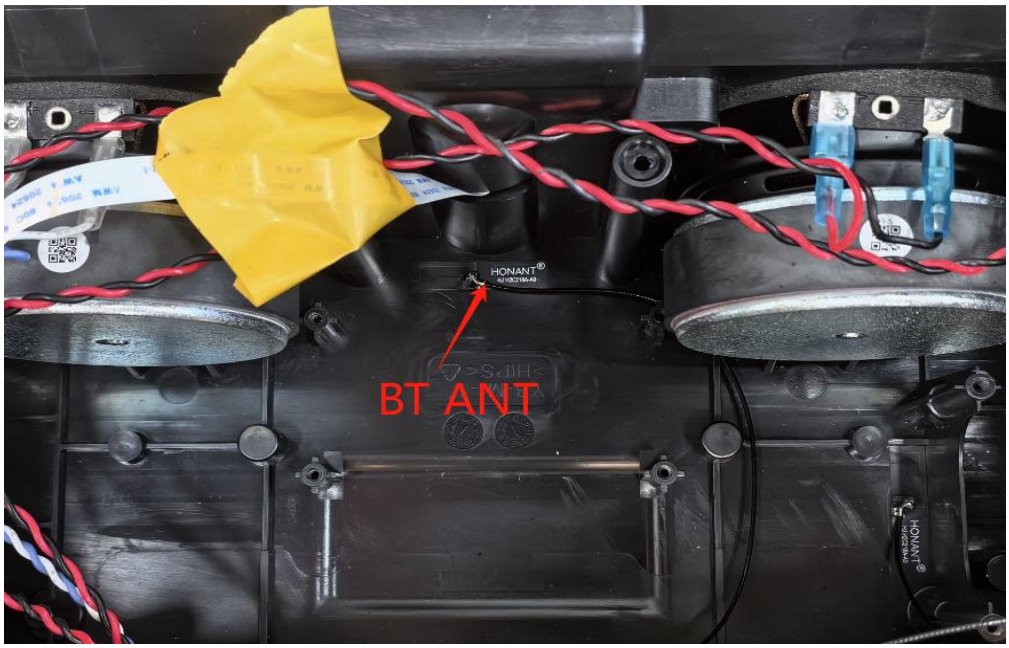


4：Antenna diagram





Product picture



Antenna Sample Datasheet

customer:	Jiangxi Taide Wisdom Technology Co.,Ltd
entry name:	1002
Material category:	MIC-1 antenna
Antenna Type	Monopole
Antenna Material	FPC
edition:	A0
Date:	2024.5.17

Antenna manufacturer:Hongji Wireless Communication (Shenzhen) Co., LTD

http://www.honant.com.cn

Address:12 / F, West Block B, Building 8, Huaqiang Creative Industry Park, Sightseeing Road, Guangming District, Shenzhen

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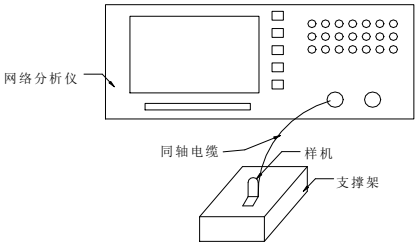
1：Antenna test equipment

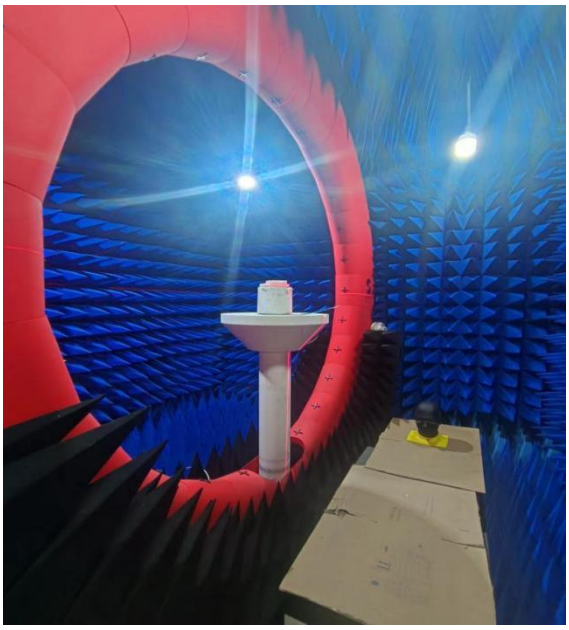
List of meters：Agilent 5071B；

1.1The principle diagram of the ETS anochoic chamber



Picture1.Antenna static test connection method

1.2 Pictures of the ETS anochoic chamber

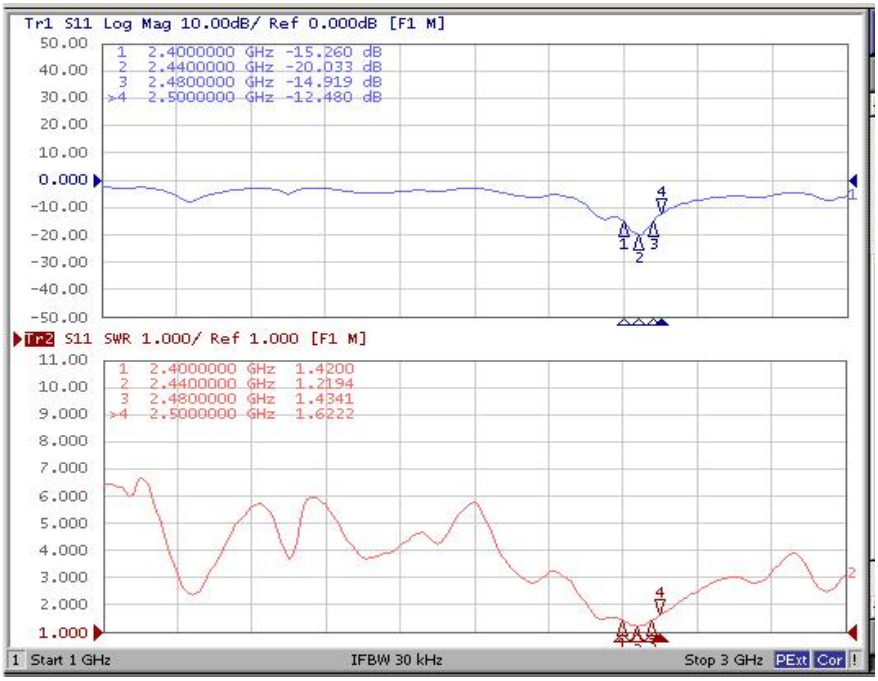


Inside the ETS anochoic chamber

Test Machine

2：Passive test report

2.1： antenna S11 parameters

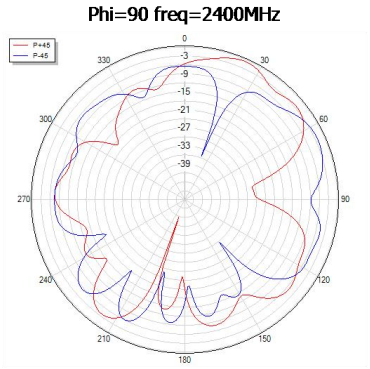


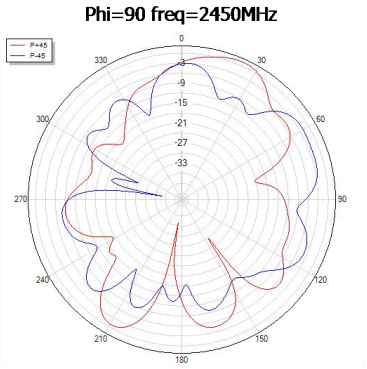
2.2： Passive efficiency of antenna

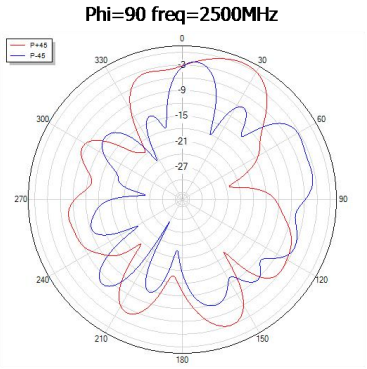
2400-2500MHz			
Freq(MHz)	Gain(dBi)	Efficiency(db)	Efficiency(%)
2400	3.51	-3.57	50.49
2410	3.53	-3.48	51.68
2420	3.82	-3.29	51.75
2430	3.87	-3.14	51.54
2440	3.63	-2.82	51.47
2450	3.54	-2.83	51.39
2460	3.65	-3.07	54.29
2470	3.88	-3.17	51.60
2480	3.74	-3.28	49.87
2490	3.91	-3.44	48.59
2500	3.96	-3.36	49.74
AVG	3.73	-3.22	51.13

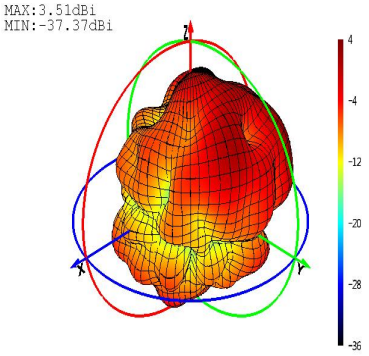
2.3：Passive pattern of BT antenna

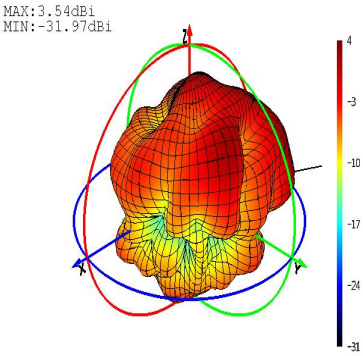
2400-2500MHz

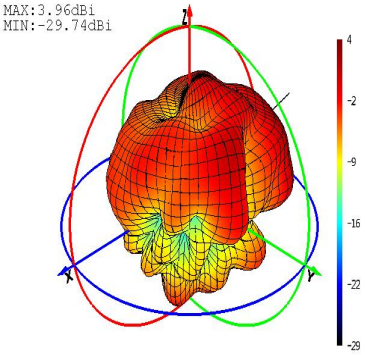




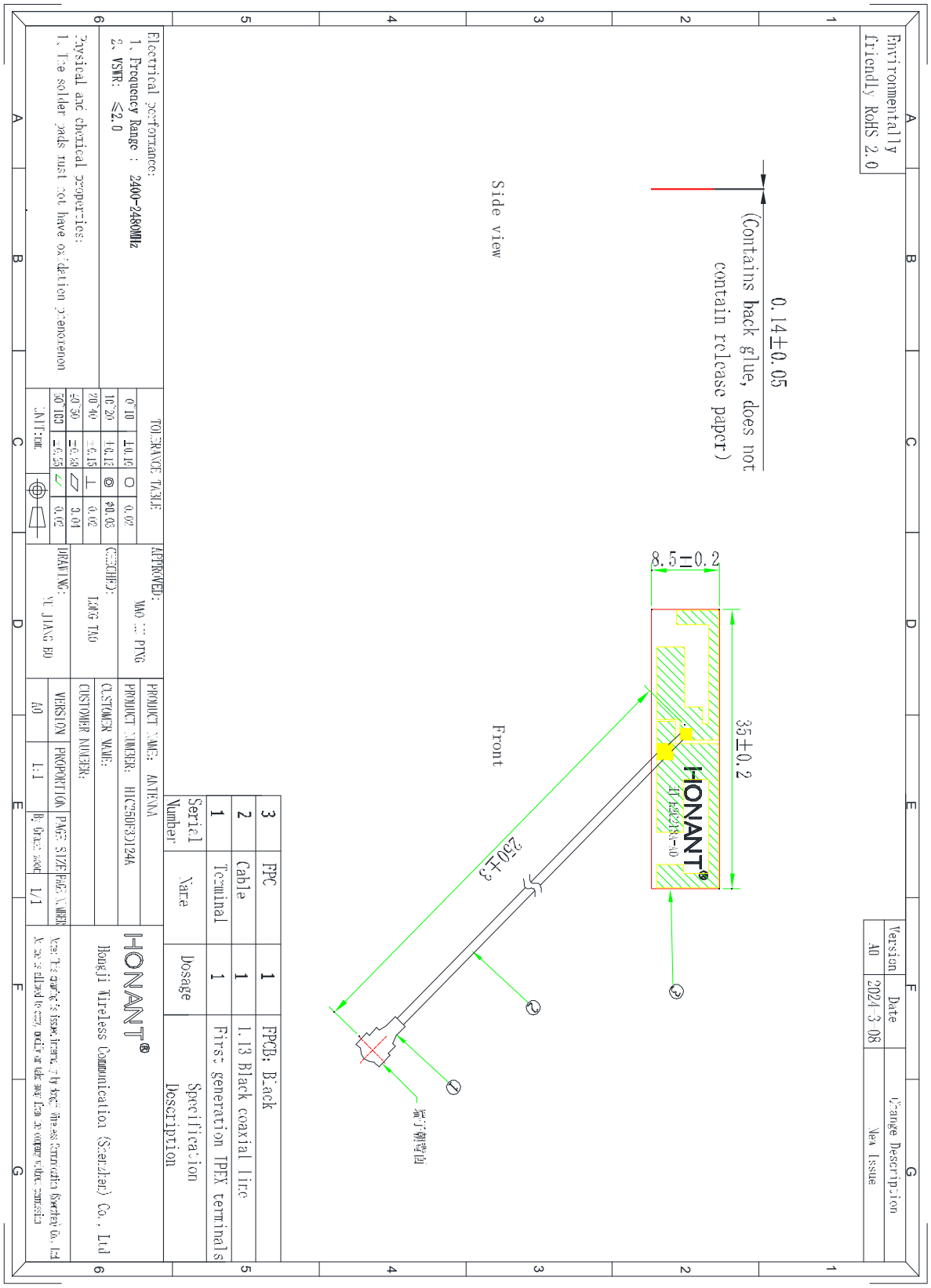




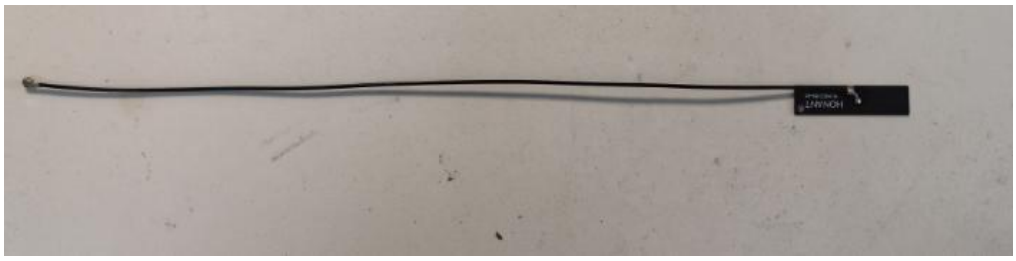


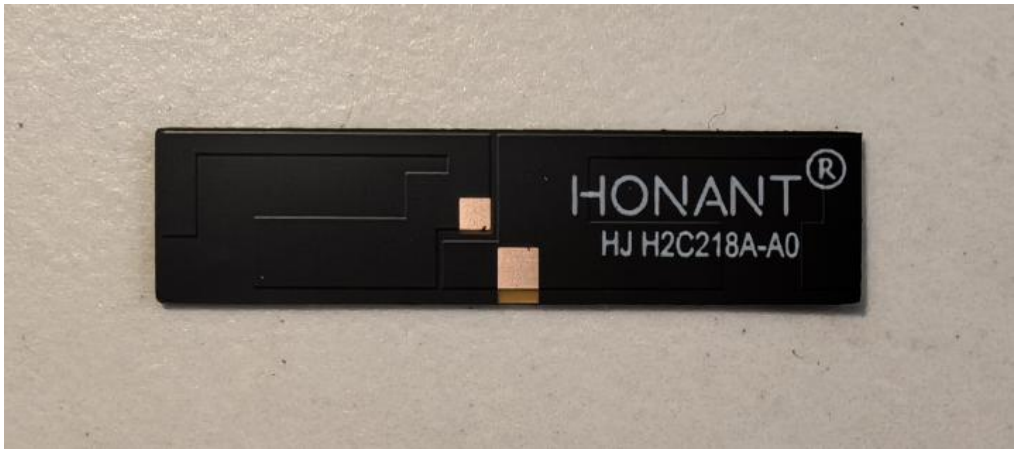


3：Structural drawing

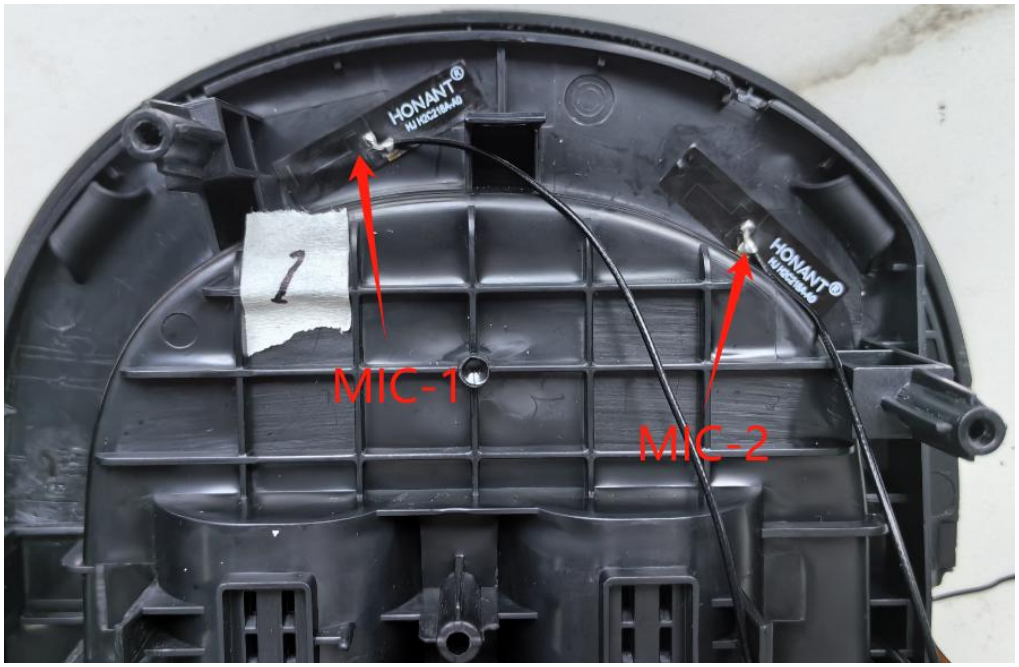


4：Antenna diagram





Product picture



Antenna Sample Datasheet

customer:	Jiangxi Taide Wisdom Technology Co.,Ltd
entry name:	1002
Material category:	MIC-2 antenna
Antenna Type	Monopole
Antenna Material	FPC
edition:	A0
Date:	2024.5.17

Antenna manufacturer:Hongji Wireless Communication (Shenzhen) Co., LTD

http://www.honant.com.cn

Address:12 / F, West Block B, Building 8, Huaqiang Creative Industry Park, Sightseeing Road, Guangming District, Shenzhen

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List of meters： Agilent 5071B；

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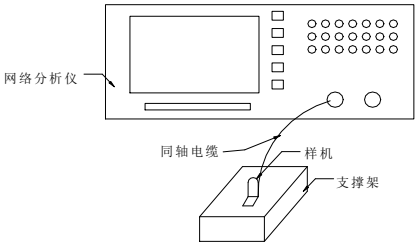
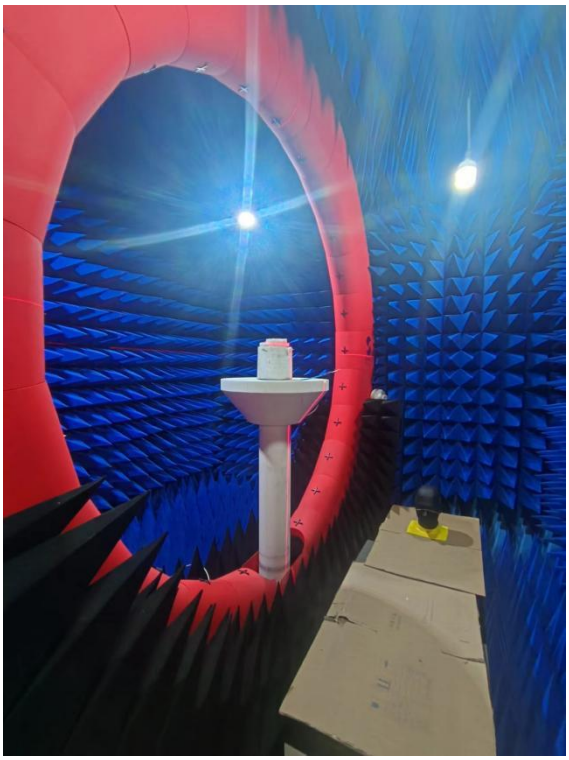


Picture1.Antenna static test connection method

1.2 Pictures of the ETS anochoic chamber

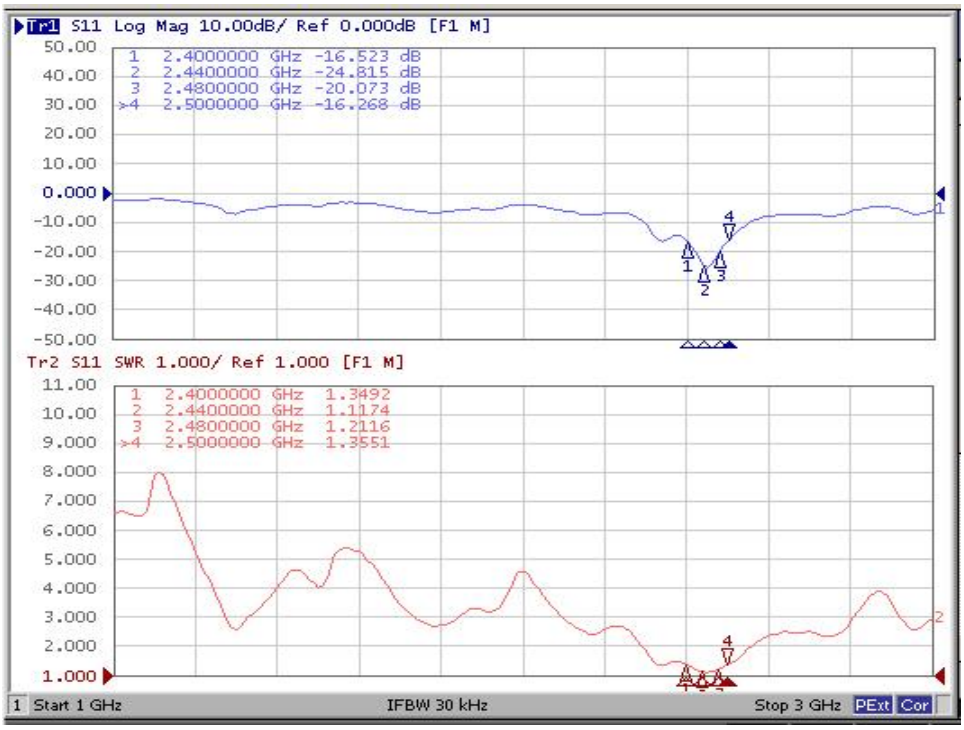


Inside the ETS anochoic chamber

Test Machine

2：Passive test report

2.1： antenna S11 parameters

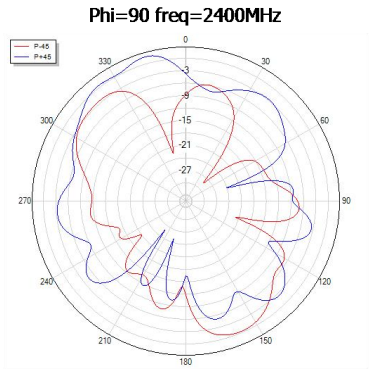


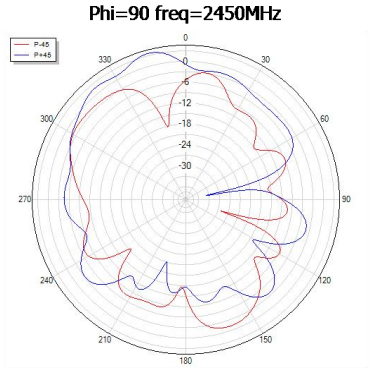
2.2： Passive efficiency of antenna

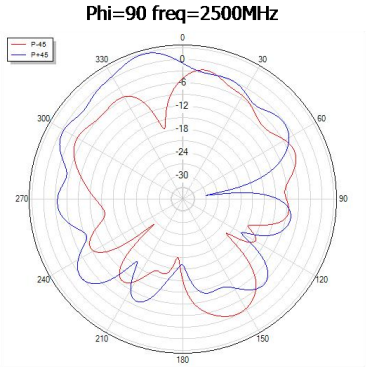
2400-2500MHz			
Freq(MHz)	Gain(dBi)	Efficiency(db)	Efficiency(%)
2400	3.79	-3.11	48.83
2410	3.84	-3.04	49.66
2420	3.91	-2.85	51.90
2430	3.87	-2.92	51.01
2440	3.76	-3.04	49.68
2450	3.69	-3.03	49.78
2460	3.96	-2.98	50.36
2470	3.97	-2.91	51.15
2480	3.76	-3.13	48.63
2490	3.31	-3.14	48.52
2500	3.13	-3.27	47.70
AVG	3.73	-3.04	49.75

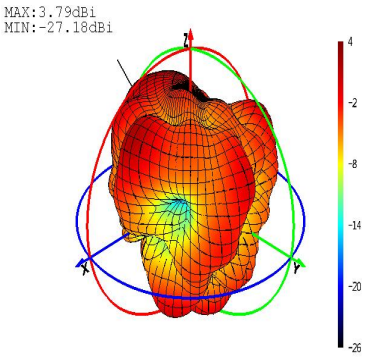
2.3： Passive pattern of BT antenna

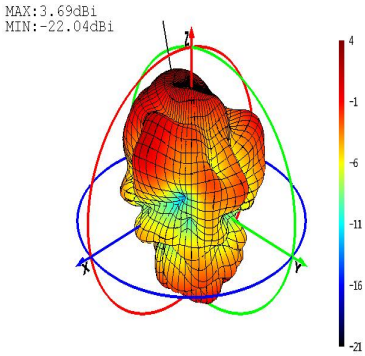
2400-2500MHz

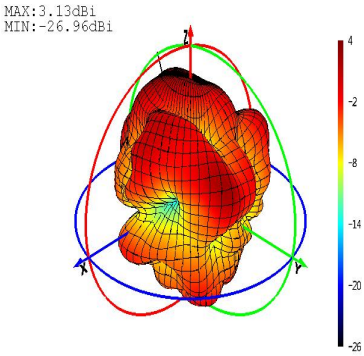




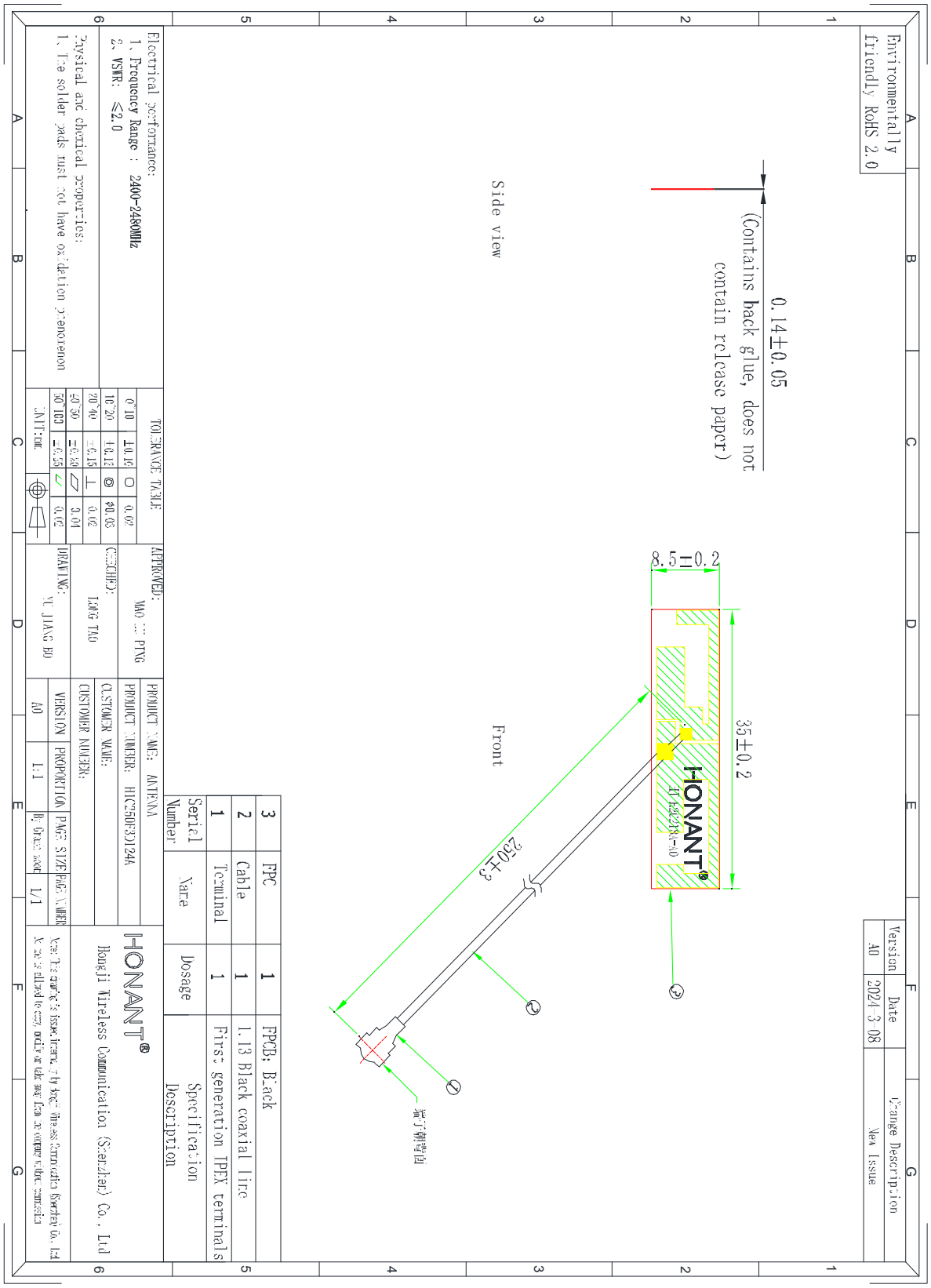








3：Structural drawing



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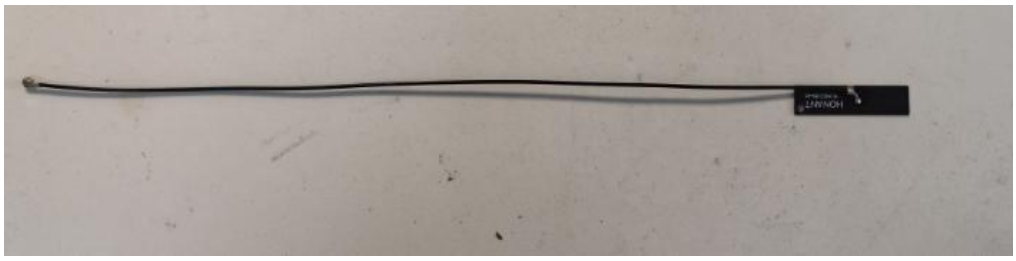
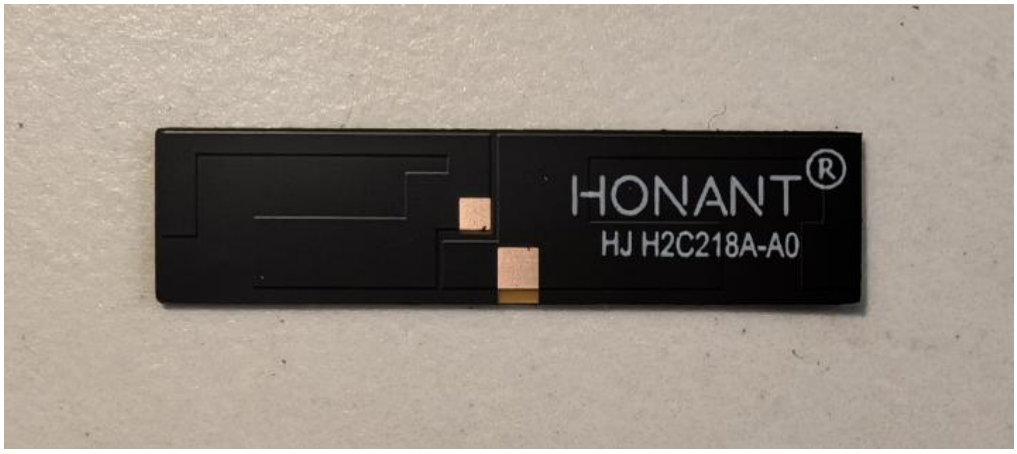
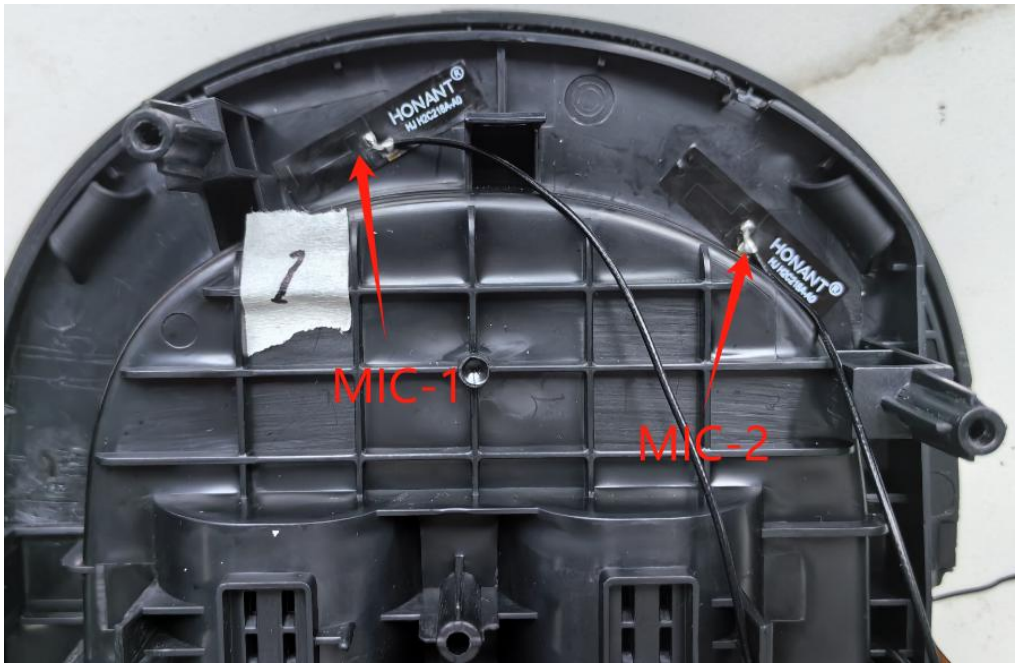




Product picture



Antenna Sample Datasheet

customer:	Jiangxi Taide Wisdom Technology Co.,Ltd
entry name:	1002
Material category:	WIFI antenna
Antenna Type	Monopole
Antenna Material	FPC
edition:	A0
Date:	2024.5.17

Antenna manufacturer:Hongji Wireless Communication (Shenzhen) Co., LTD

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Address:12 / F, West Block B, Building 8, Huaqiang Creative Industry Park, Sightseeing Road, Guangming District, Shenzhen

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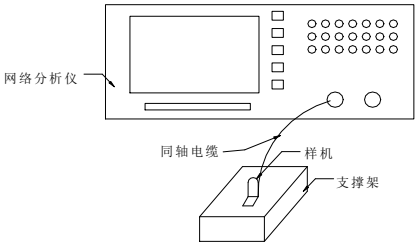
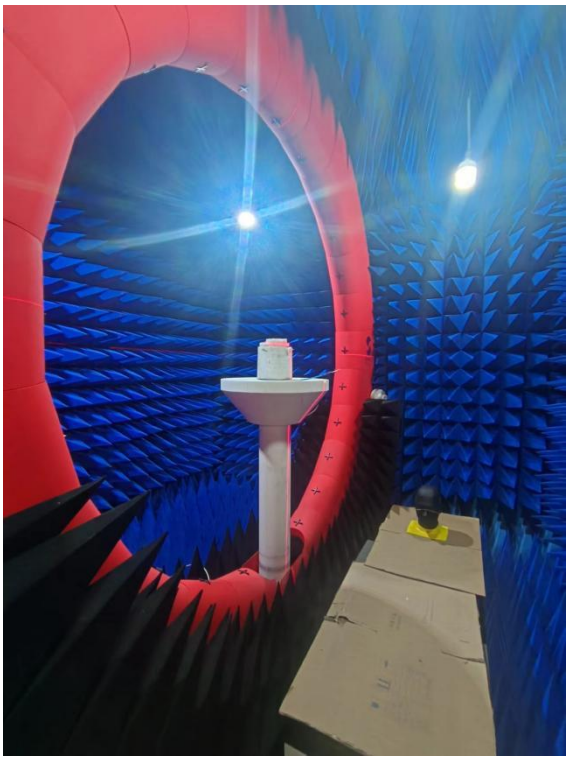


Picture1.Antenna static test connection method

1.2 Pictures of the ETS anochoic chamber

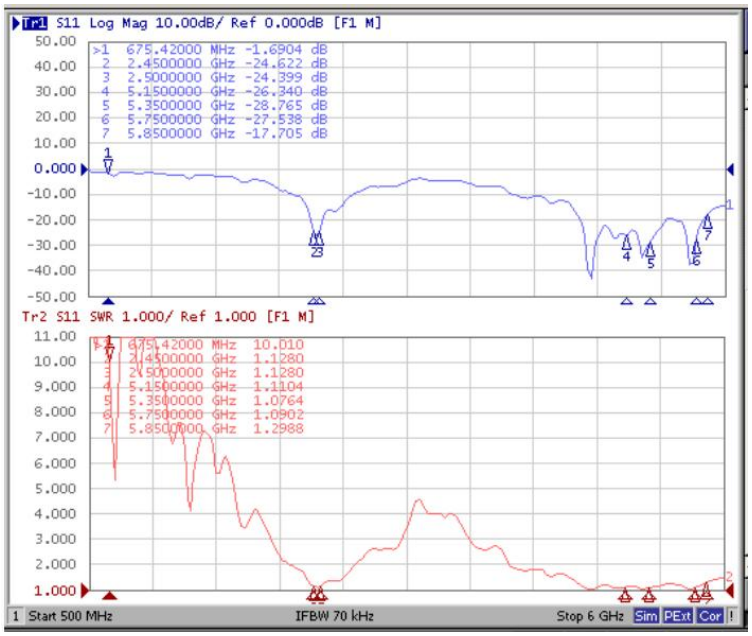


Inside the ETS anochoic chamber

Test Machine

2：Passive test report

2.1： antenna S11 parameters



2.2： Passive efficiency of antenna

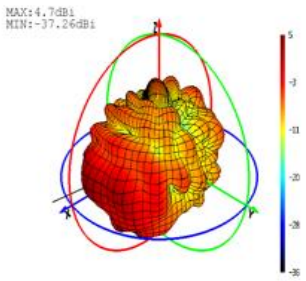
2400-2500MHz			
frequency (MHz)	Efficiency (dB)	Efficiency (%)	Gain (dBi)
2400	-2.33	58.52	4.70
2410	-2.32	58.62	4.51
2420	-2.37	57.95	4.36
2430	-2.44	57.06	4.28
2440	-2.49	56.35	4.36
2450	-2.51	56.07	4.42
2460	-2.51	56.05	4.37
2470	-2.47	56.58	4.25
2480	-2.37	57.91	4.28
2490	-2.27	59.27	4.44
2500	-2.24	59.72	4.72
AVG	-2.39	57.65	4.43

5150-5850MHz			
Frequency (MHz)	Efficiency (dB)	Efficiency (%)	Gain (dBi)
5150	-2.32	58.63	4.87
5200	-2.59	55.09	4.66
5250	-2.41	57.44	5.26
5300	-2.58	55.15	4.80
5350	-2.39	57.71	4.70
5500	-3.40	45.76	4.01
5550	-3.37	45.98	4.59
5600	-3.37	46.01	4.33
5650	-3.28	46.95	4.99
5700	-3.56	44.03	4.79
5750	-3.41	45.57	4.48
5800	-3.33	46.48	3.97
5850	-3.39	45.83	4.61
AVG	-3.03	50.05	4.62

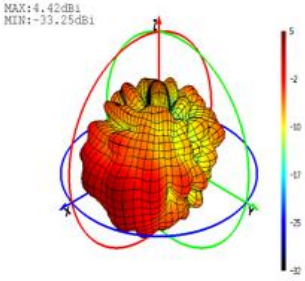
2.3：Passive pattern of BT antenna

2400-2500MHz

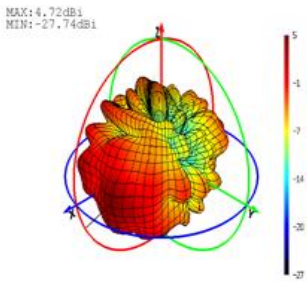
2400MHz



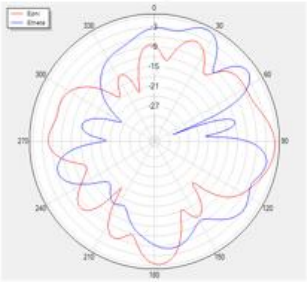
2450MHz



2500MHz



Theta=90 freq=2400MHz



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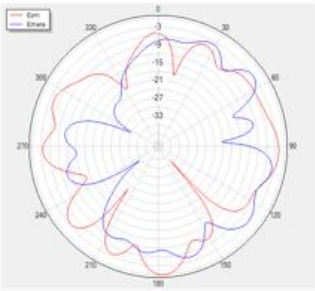

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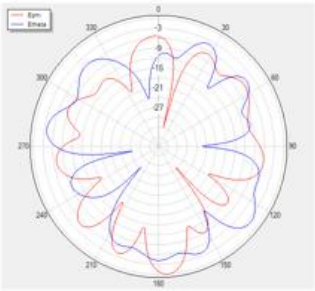
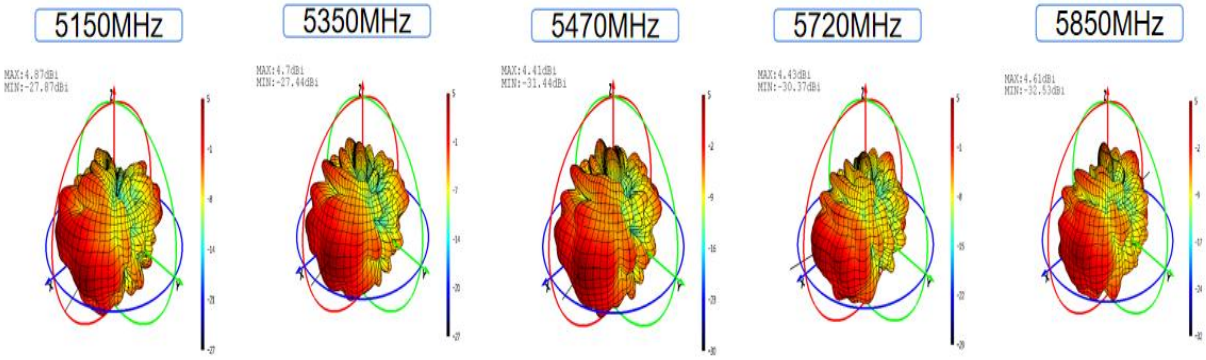
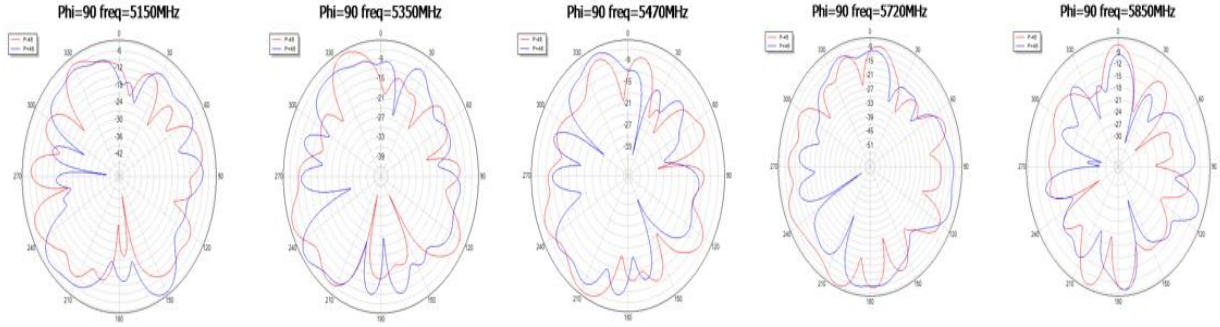
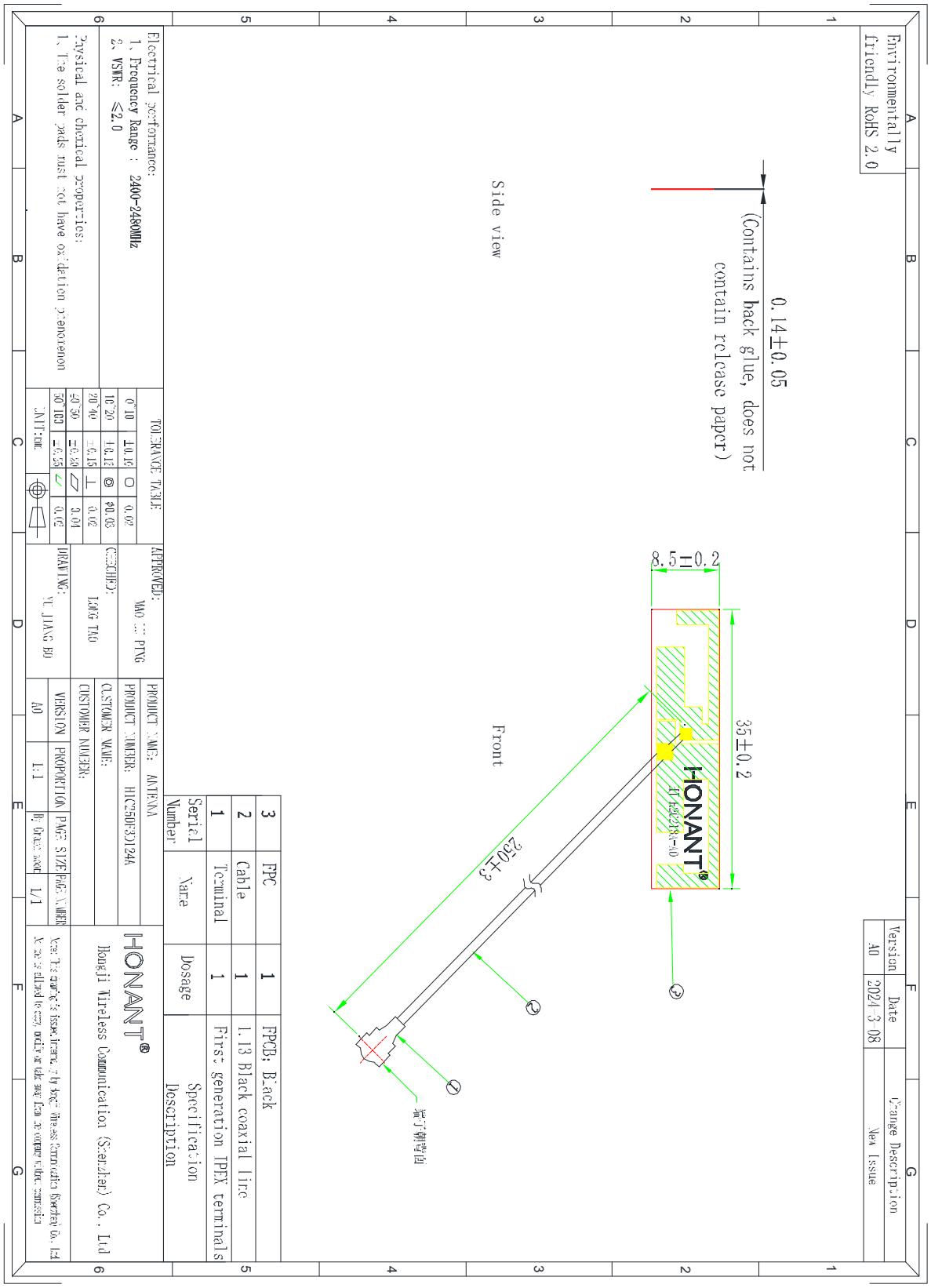


5150-5850MHz

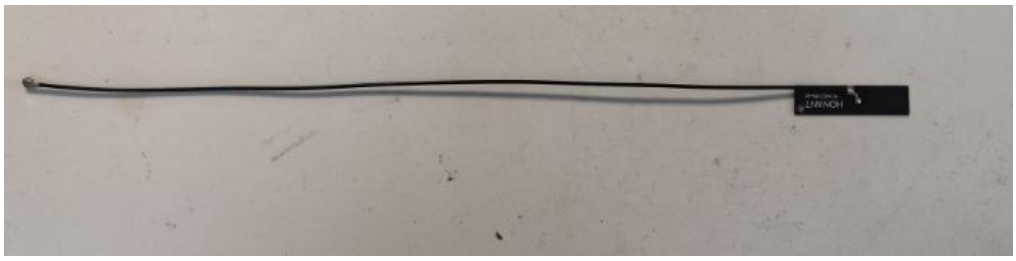


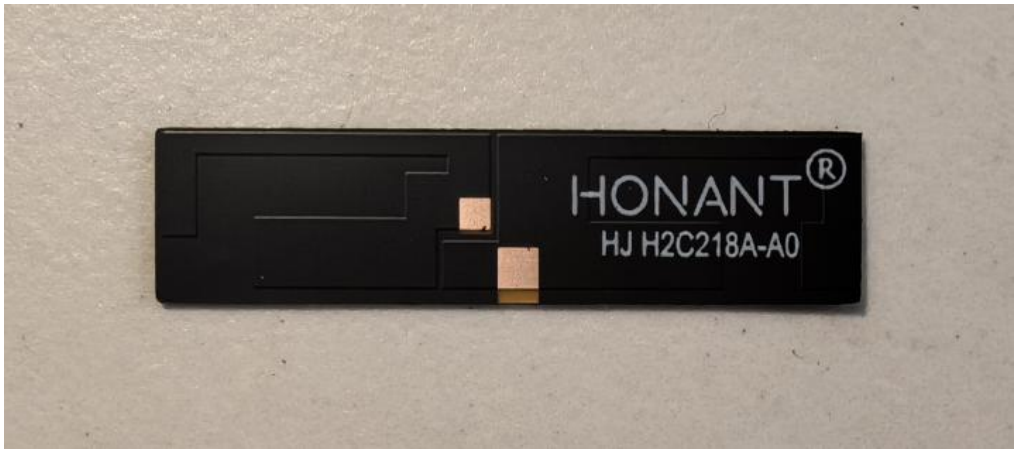
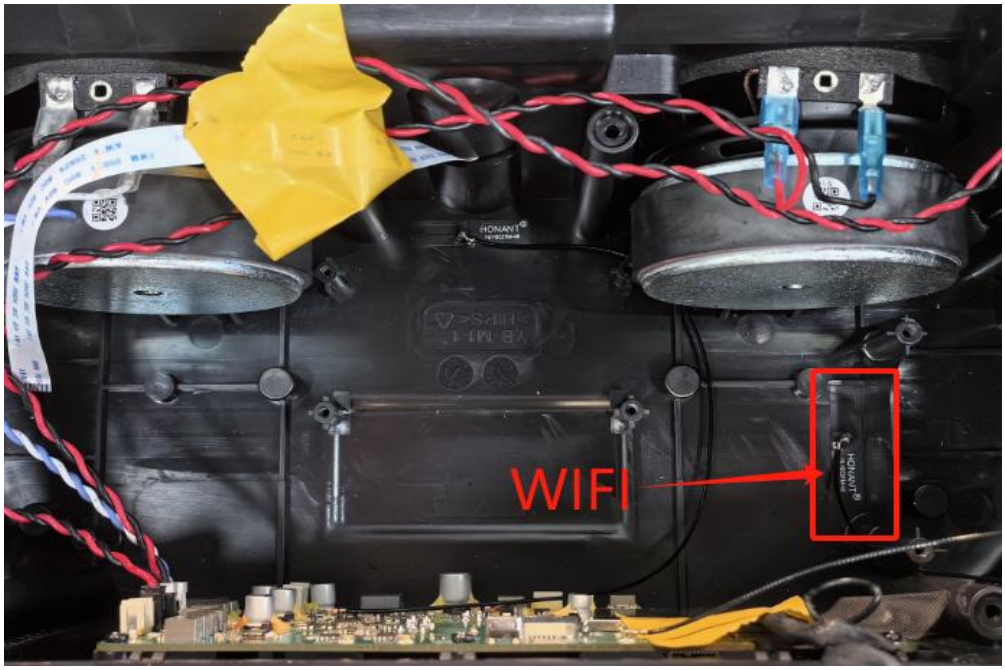


3：Structural drawing



4：Antenna diagram





Product picture