

Shenzhen Haotiancheng Wireless Technology Co., LTD	Name Name: Sample Approval
	Version Ver: V1.0
	Date Date: 2022.06.17

Sample
Acceptance
Letter

Sample Approval Sheet

Project Name: MS001

Sample Name: WIFI/BT antenna Sample Specification
Sample SPEC: FPC material, welded coaxial line
(L49.00mm, fourth generation terminal head)
Customer Code Customer PN.
Sample Transfer Date: 2022.06.17

Supplier Name: Shenzhen Haotiancheng Wireless
Technology Co., LTD

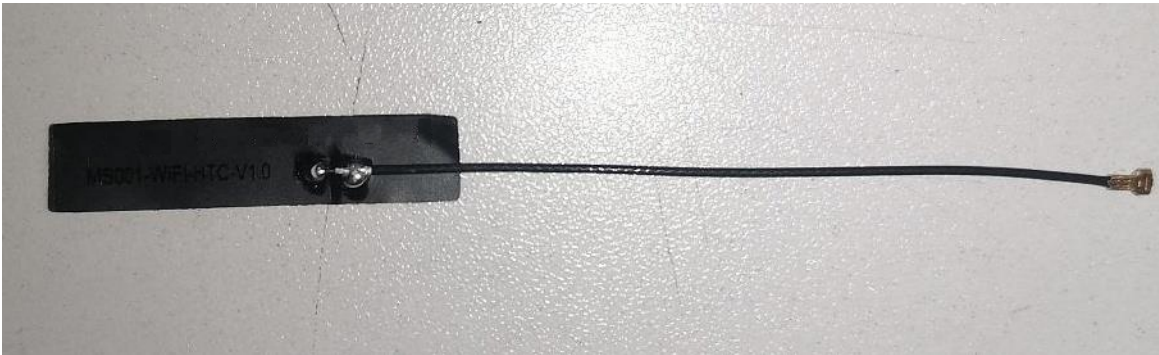
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1. Summary of admitted that book...	.4
2. Look...	. 4
3. Electrical...	. 4
3.1. The antenna band...	.4
3.2. Matching circuit...	.4
3.3. The impedance requirement...	.5
3.4. WIFI/BT passive standing wave figure...	5
3.5. Apple figure...	.5
3.6. A passive antenna gain efficiency...	7
3.7. The antenna test data...	.7
3.8. The environment treatment...	.8
4. Appearance structure...	.8
4.1. The antenna material...	.8
4.2. Structural drawings...	.9
5. Raw material list (BOM)...	10
6. Production flow chart...	. 10
7. Reliability test report...	. 11
8. The antenna and accessory material GP test report...	11
9. The packing way...	. 12

1 Acknowledge book overview

The admission describes the condition of the built-in antenna of Moss MS001, its frequency band /WIFI/BT, manufactured by Shenzhen Haotiancheng Wireless Technology Co., LTD.

Appear ance of 2.



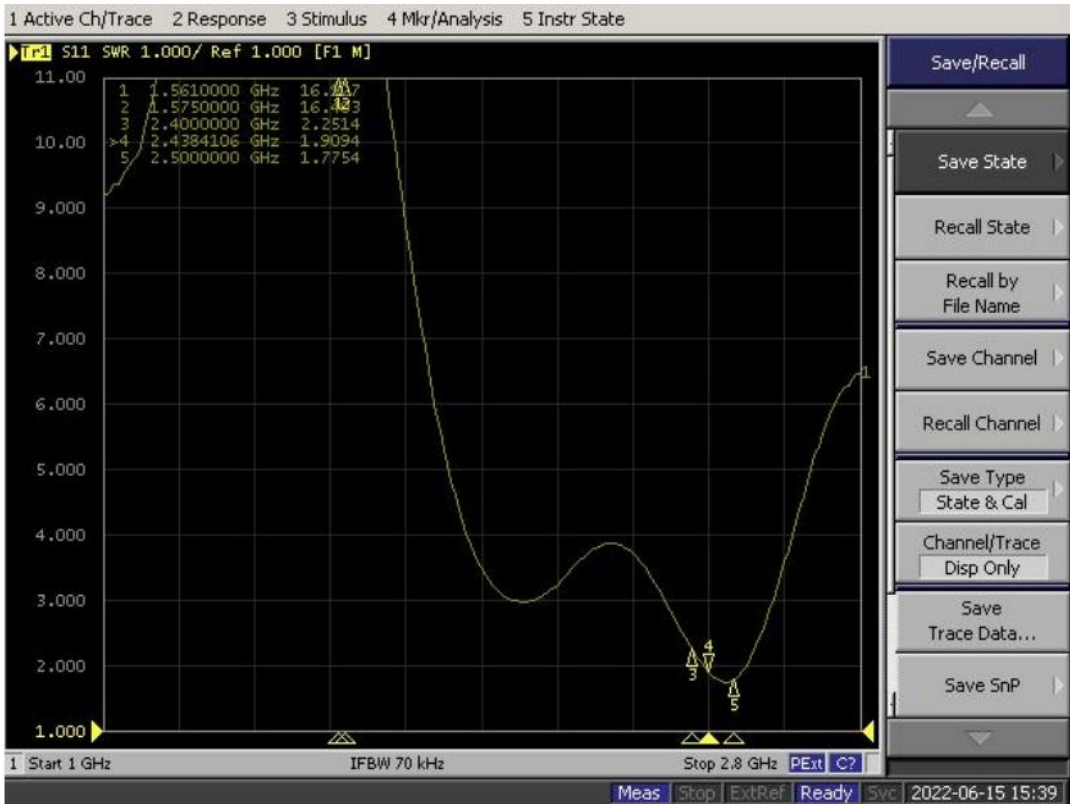
3. The electrical

3.1. Antenna frequency band

	WIFI/BT
Transmit band (MHz)	2400 ~ 2500
Receiver frequency band (MHz)	2400 ~ 2500

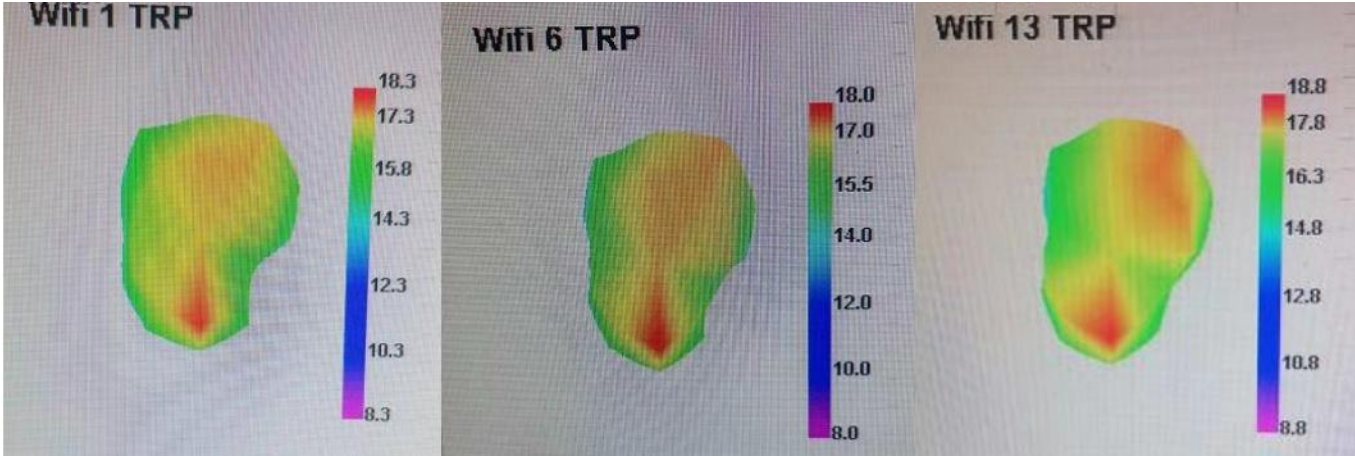
3.3 Impedance
requires
50 Ohm

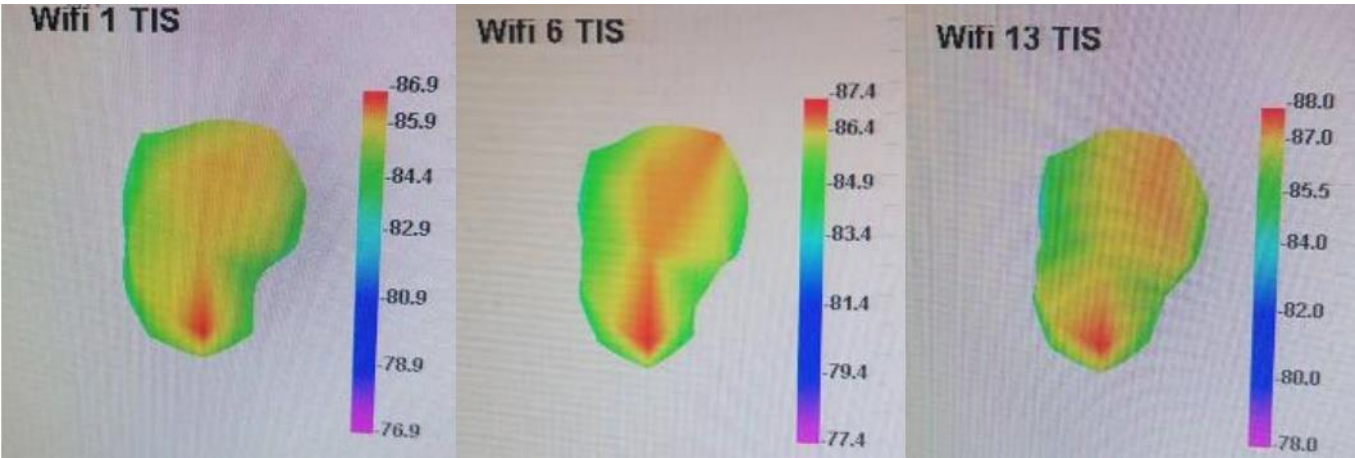
3.4 WIFI/BT passive
standing wave diagram



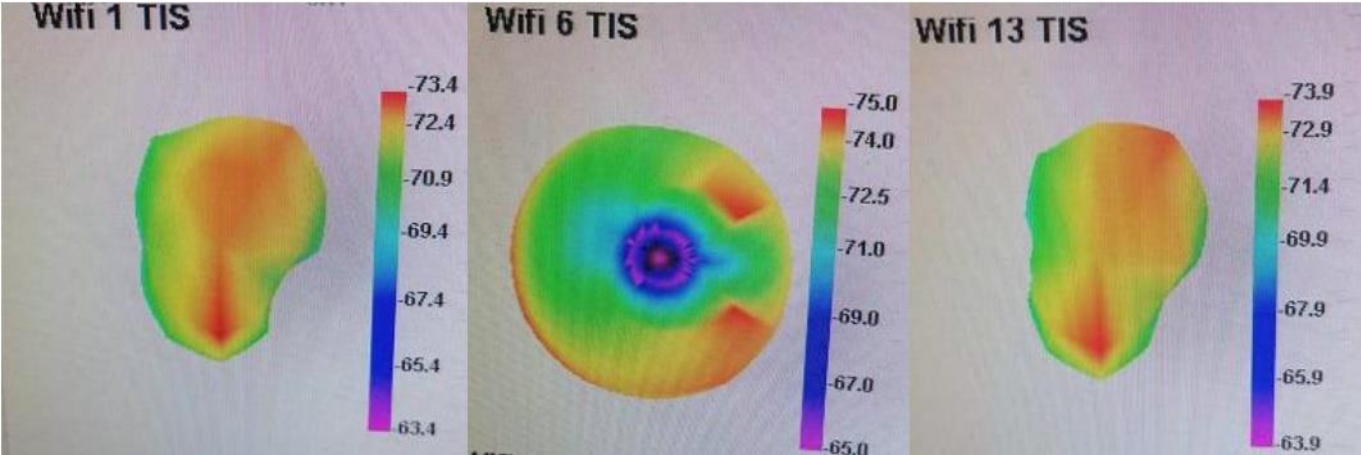
3.5 Apple
Chart:

11b

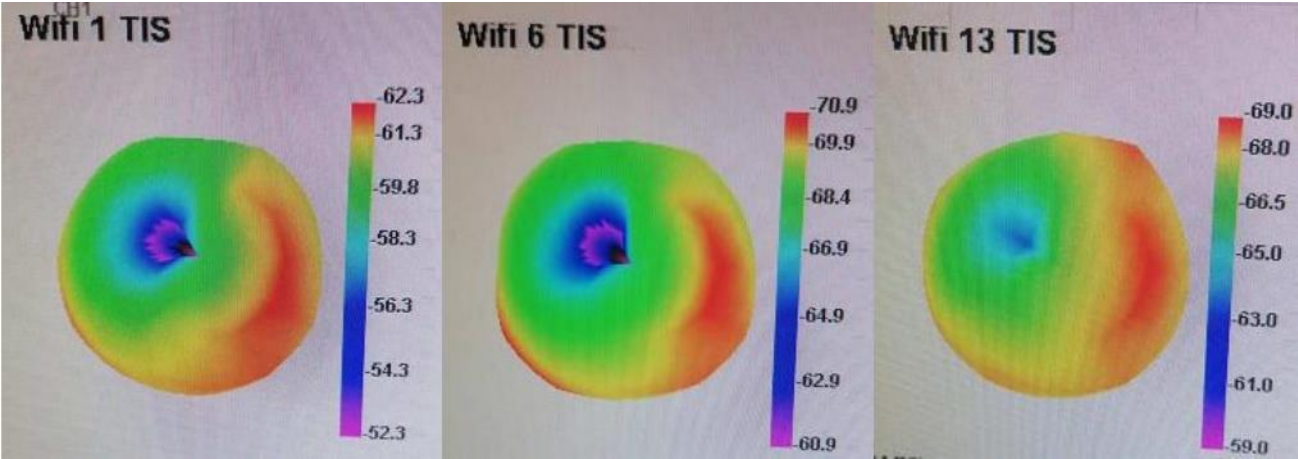




11g



11n



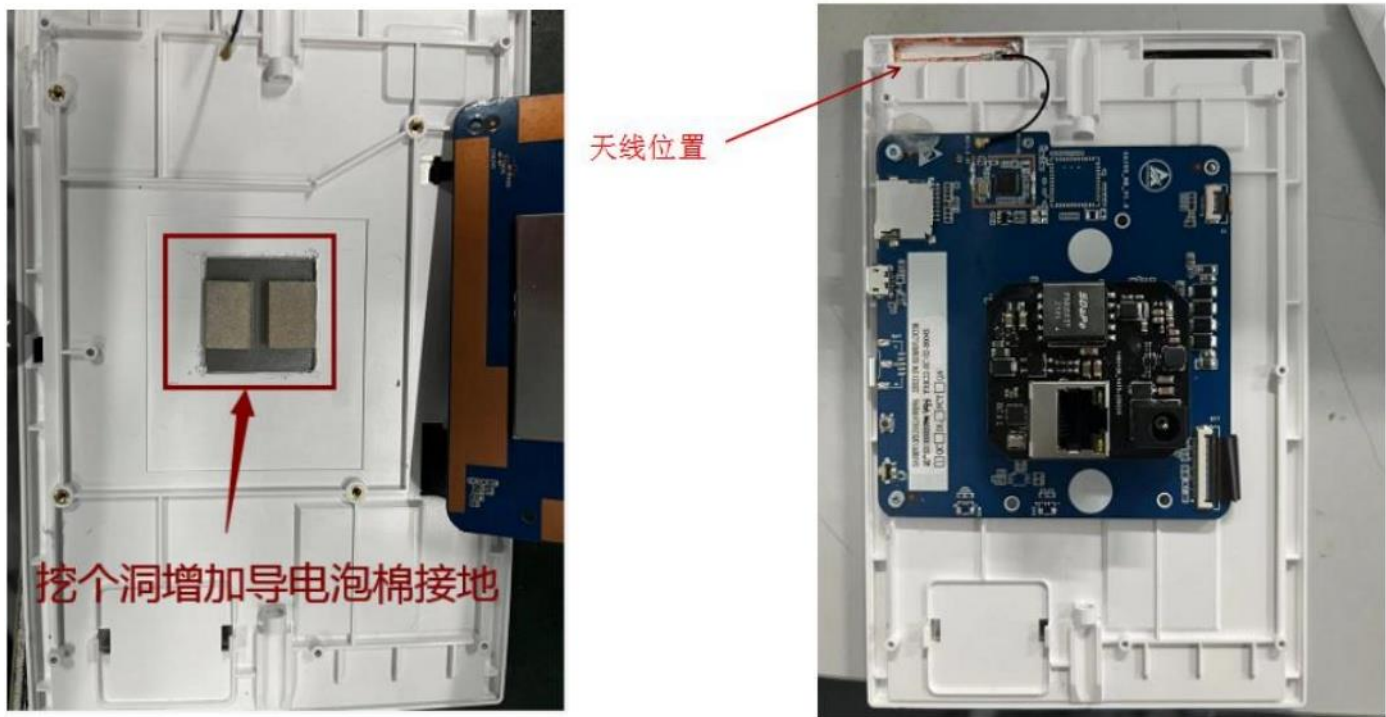
3.6 Antenna Passive gain efficiency:

Freq (MHz)	Effi (%)	Gain (dBi)
2400	34.99	2.57
2410	35.64	2.94
2420	34.96	2.96
2430	36.88	2.39
2440	35.87	2.3
2450	37.26	2.67
2460	41.76	3.14
2470	41.65	3.11
2480	40.91	3.28
2490	40.52	3.47
2500	43.45	3.56

3.7 Antenna test data:

Band	TRP/TIS	L	M	H
11b (11M)	TRP	12.11	12.34	12.59
	TIS	-81.26	-81.56	-82.15
11g (54M)	TRP	11.89	12.21	12.35
	TIS	-69.12	-69.26	-69.37
11n (MCS7)	TRP	12.06	12.22	12.31
	TIS	-63.52	-63.87	-63.36

3.8
Environmental
Handling



4 Appearance
Structure

4.1 Antenna
Material

Antenna material: FPC antenna, black ink, gold-plated exposed copper area. Substrate + double-sided adhesive + release paper

Coaxial line: coaxial line center distance 49.00mm, line diameter 0.81mm, Teflon material; With four terminals, the other end of the wire stripping dipped tin welding to the FPC antenna.

