



Parts Approval Sheet

Customer	Innorock	Project	TC07W09
Band	WIFI	Color	Black
PN	X3548	Version	V1
Customer material number			

DATE: 2026/3/18

R&D			QC
Issued by	Checked by	Confirmed by	Checked by
Customer Confirm			

Environmental requirements: ☒ ROHS

☐ REACH

☐ 无

Contents

Contents	2
1.Summary	3
2.General Description	3
2.1 Antenna Components/Part revisions	3
2.2 Definitions	3
3. Electrical Performance	3
3.1 Antenna TRP&TIS test results	3
3.2 Gain&Efficiency	4
3.3 Environment Treatment	5
4. Antenna Engineer drawing	6

1. Summary

This report summarizes the electrical results of the our antenna to support the project TC07W09 .



Front



Back

2. General Description

2.1 Antenna Components/Part revisions

The antenna part number is T: A

2.2 Definitions

VSWR: Voltage Standing Wave Rate

TRP: total radiated power

TIS: total isotropic sensitivity

3. Electrical Performance

3.1 Antenna TRP&TIS test results

BAND	Test type	Channel	Frequency (MHz)	Test results (dBm)	Original antenna test results (dBm)	Optimization level (dBm)
802.11b	TRP	1	2412	11.65	10.95	0.7
		7	2442	12.02	11.44	0.58
		13	2472	12.32	11.72	0.6
	TIS	1	2412	-83.06	-82.45	0.61
		7	2442	-84.13	-83.41	0.72
		13	2472	-84.81	-83.56	1.25

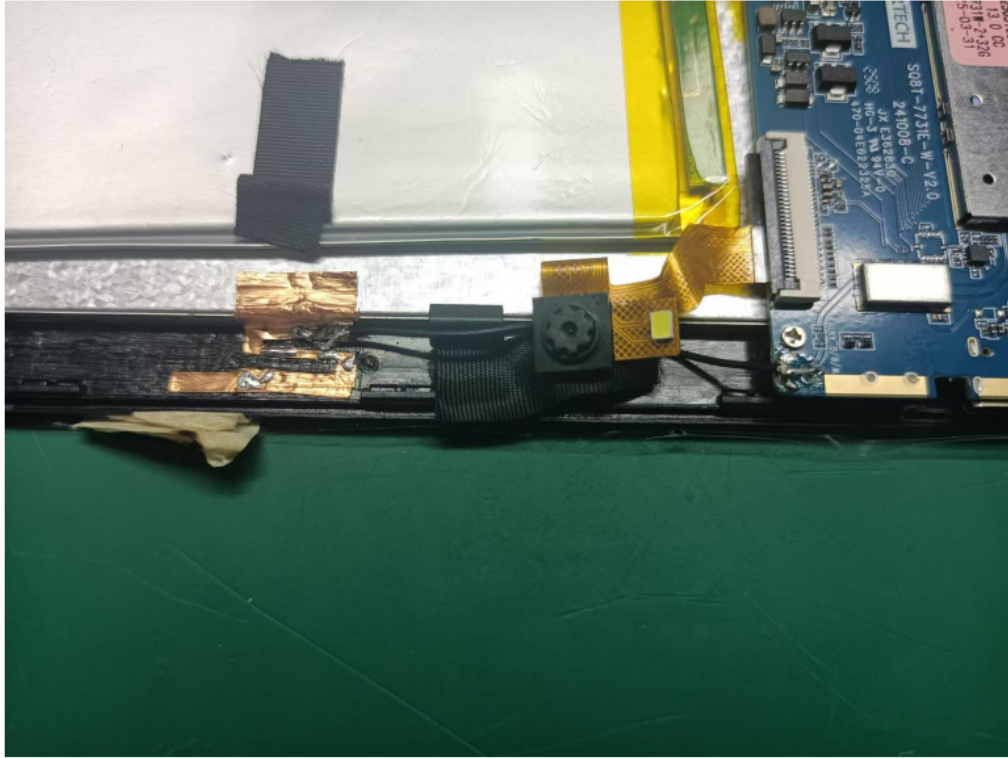
3.2 Gain&Efficiency

Freq (MHz)	Efficiency (dB)	Gain (dBi)	Efficiency (%)
2300	-4.15	1.25	38.43
2310	-4.08	1.19	39.06
2320	-4.02	1.18	39.64
2330	-3.73	1.32	42.39
2340	-3.51	1.46	44.59
2350	-3.23	1.69	47.58
2360	-3.01	2.06	49.95
2370	-2.84	2.27	51.96
2380	-2.7	2.47	53.65
2390	-2.65	2.56	54.28
2400	-2.55	2.76	55.55
2410	-2.59	2.68	55.04
2420	-2.54	2.7	55.75
2430	-2.56	2.79	55.5
2440	-2.5	2.86	56.18
2450	-2.41	2.98	57.36
2460	-2.38	3.06	57.84
2470	-2.23	3.33	59.9
2480	-2.14	3.42	61.05
2490	-2.08	3.47	61.92
2500	-1.98	3.58	63.33
2510	-1.99	3.59	63.19
2520	-2.04	3.57	62.46
2530	-2.1	3.54	61.7
2540	-2.3	3.28	58.91
2550	-2.26	3.42	59.38
2560	-2.33	3.37	58.47
2570	-2.31	3.42	58.7
2580	-2.25	3.52	59.53
2590	-2.2	3.68	60.23
2600	-2.22	3.71	59.93

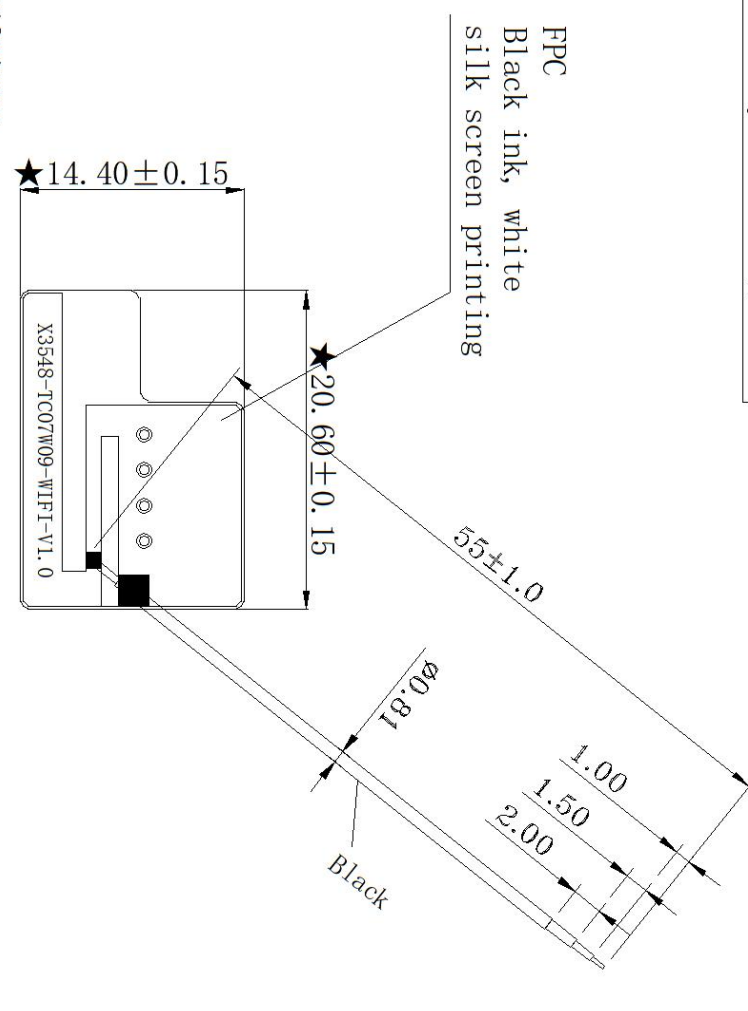
3.3 Environment Treatment

The antenna is positioned near the screen backplate, which serves as a large equivalent ground contact point close to the battery. It is planned to be installed at the edge of the plastic housing.

No environmental treatment changes were made.



4. Antenna Engineer drawing

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Environmental requirements : ROHS ☒ REACH ☐ No																																									
																																									
Technical Requirements 1: "*" Important Dimension Annotation 2: Antenna Voltage Standing Wave Ratio Comparison Test Graph: 3: The antenna welding joints must be secure, with accurate cable dimensions; 4: The soldering should be full and smooth; no oil residue is allowed on the surface. 5: The screen-printed font is clear and resistant to fading; 6: The inclination angle of the connector must not exceed or be less than 35° 7: The back side is the adhesive surface; cutting a slit on the centrifugal paper side serves as the tear-off position 8: Horizontal pulling force of 7N, the joint shall not show loosening or detachment 9: The product must comply with the EU RoHS requirements.																																									
Shenzhen HamyWe Technology Co., Ltd																																									
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packaging method 1: For terminals with exposed wire lengths exceeding 80MM, use pearl cotton for wrapping 2: PE bag packaging: 100 pieces per bag The PE bag must be labeled with an inner tag The specifications of the PE bag are determined by the product dimensions																																									
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