



Report No.: R26S1032085-U202
Report Version: V02
Issue Date: 2026-10-21

RF MEASUREMENT REPORT

FCC ID: 2BV7P-RT310L0
Applicant: Hand Held Products, Inc.
Product: Tablet Computer
Model No.: RT310-L0
Brand Name: BRADY
FCC Classification: 15E 6 GHz Dual Client (6CD)
FCC Rule Part(s): Part 15 Subpart E (Section 15.407(a)(8))
Result: Complies
Received Date: 2026-08-24
Test Date: 2026-10-08

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Reviewed By:

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Ada Zhang

Approved By:

Robin Wu

Robin Wu

The test results relate only to the samples tested.

This equipment has been shown to be capable of compliance with the applicable technical standards as indicated in the measurement report. Testing was performed in accordance with the applicable measurement procedures. The test results reported herein apply only to the specific item(s) tested.

The test report shall not be reproduced except in full without the written approval of MRT Technology (Suzhou) Co., Ltd.

Revision History

Report No.	Version	Description	Issue Date	Note
R26S1032085-U202	V01	Initial Report	2026-10-20	Invalid
R26S1032085-U202	V02	Remove the test setup provided as a separate file.	2026-10-21	Valid

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1. General Information

1.1. Applicant

Hand Held Products, Inc.

9680 Old Bailes Road, Fort Mill, SC 29707 USA

1.2. Manufacturer

Hand Held Products, Inc.

9680 Old Bailes Road, Fort Mill, SC 29707 USA

1.3. Testing Facility

Test Site - MRT Suzhou Laboratory	
☐ Laboratory Location (Suzhou - Wuzhong) D8 Building, No.2 Tian'edang Rd., Wuzhong Economic Development Zone, Suzhou, China	
☐ Laboratory Location (Suzhou - SIP) 4b Building, Liando U Valley, No.200 Xingpu Rd., Shengpu Town, Suzhou Industrial Park, China	
☒ Laboratory Location (Suzhou - Wujiang) Building 1, No.1 Xingdong Road, Wujiang, Suzhou, Jiangsu, People's Republic of China	
Laboratory Accreditations	
A2LA: 3628.01	CNAS: L10551
FCC: CN1166	ISED: CN0001

1.4. Product Information

Product Name	Tablet Computer
Model No.	RT310-L0
Brand Name	BRADY
Serial No.	26230B47A1
Wi-Fi Specification	802.11a/b/g/n/ac/ax/be
Bluetooth Specification	V6.0 dual mode
NFC Specification	13.56 MHz
Operating Temperature	-20 ~ 50 °C
Antenna Information	Refer to Section 1.7
Power Supply	By battery
Accessory(ies)	
Rechargeable Li-ion Battery	Model No.: BAT-EDA10A Nominal Voltage: 3.85 Vdc Rated Capacity: 8000 mAh Limited Charging Voltage: 4.4 Vdc Rated Energy: 30.80 Wh
Remark: The information of the EUT (Equipment Under Test) was provided by the manufacturer. The accuracy, completeness, and validity of the information are solely the responsibility of the manufacturer.	

1.5. Radio Specification under Test

Frequency Range	UNII-5: 5925 ~ 6425 MHz UNII-6: 6425 ~ 6525 MHz UNII-7: 6525 ~ 6875 MHz UNII-8: 6875 ~ 7125 MHz	
Modulation Technology	802.11a: OFDM 802.11ax/be: OFDMA	
Data Rate	802.11a: 6/9/12/18/24/36/48/54 Mbps 802.11ax: up to 2402 Mbps 802.11be: up to 5764 Mbps	
Channel Puncturing Function	☒ Supported	☐ Unsupported
Support RU	☒ Full RU	☒ Partial RU

1.6. Working Frequencies

802.11a/ax-HE20/be-EHT20

Channel	Frequency	Channel	Frequency	Channel	Frequency
1	5955 MHz	5	5975 MHz	9	5995 MHz
13	6015 MHz	17	6035 MHz	21	6055 MHz
25	6075 MHz	29	6095 MHz	33	6115 MHz
37	6135 MHz	41	6155 MHz	45	6175 MHz
49	6195 MHz	53	6215 MHz	57	6235 MHz
61	6255 MHz	65	6275 MHz	69	6295 MHz
73	6315 MHz	77	6335 MHz	81	6355 MHz
85	6375 MHz	89	6395 MHz	93	6415 MHz
97	6435 MHz	101	6455 MHz	105	6475 MHz
109	6495 MHz	113	6515 MHz	117	6535 MHz
121	6555 MHz	125	6575 MHz	129	6595 MHz
133	6615 MHz	137	6635 MHz	141	6655 MHz
145	6675 MHz	149	6695 MHz	153	6715 MHz
157	6735 MHz	161	6755 MHz	165	6775 MHz
169	6795 MHz	173	6815 MHz	177	6835 MHz
181	6855 MHz	185	6875 MHz	189	6895 MHz
193	6915 MHz	197	6935 MHz	201	6955 MHz
205	6975 MHz	209	6995 MHz	213	7015 MHz
217	7035 MHz	221	7055 MHz	225	7075 MHz
229	7095 MHz	233	7115 MHz	--	--

802.11ax-HE40/be-EHT40

Channel	Frequency	Channel	Frequency	Channel	Frequency
3	5965 MHz	11	6005 MHz	19	6045 MHz
27	6085 MHz	35	6125 MHz	43	6165 MHz
51	6205 MHz	59	6245 MHz	67	6285 MHz
75	6325 MHz	83	6365 MHz	91	6405 MHz
99	6445 MHz	107	6485 MHz	115	6525 MHz
123	6565 MHz	131	6605 MHz	139	6645 MHz
147	6685 MHz	155	6725 MHz	163	6765 MHz
171	6805 MHz	179	6845 MHz	187	6885 MHz
195	6925 MHz	203	6965 MHz	211	7005 MHz
219	7045 MHz	227	7085 MHz	--	--

802.11ax-HE80/be-EHT80

Channel	Frequency	Channel	Frequency	Channel	Frequency
7	5985 MHz	23	6065 MHz	39	6145 MHz
55	6225 MHz	71	6305 MHz	87	6385 MHz
103	6465 MHz	119	6545 MHz	135	6625 MHz
151	6705 MHz	167	6785 MHz	183	6865 MHz
199	6945 MHz	215	7025 MHz	--	--

802.11ax-HE160/be-EHT160

Channel	Frequency	Channel	Frequency	Channel	Frequency
15	6025 MHz	47	6185 MHz	79	6345 MHz
111	6505 MHz	143	6665 MHz	175	6825 MHz
207	6985 MHz	--	--	--	--

802.11be-EHT320

Channel	Frequency	Channel	Frequency	Channel	Frequency
31	6105 MHz	95	6425 MHz	159	6745 MHz
63	6265 MHz	127	6585 MHz	191	6905 MHz

1.7. Antenna Details

Antenna Type	Frequency Band (MHz)	Tx Paths	Number of spatial streams	Wi-Fi 0 (Ant 3) Gain (dBi)	Wi-Fi 1 (Ant 2) Gain (dBi)	CDD Directional Gain	
						(dBi)	
						For Power	For PSD
Wi-Fi Antenna (Brand: ZTX, M/N: 3019-6155-001 (Ant 2), 3019-6129-001 (Ant 3))							
Monopole	5925 ~ 6425	2	1	1.14	1.74	1.74	4.46
	6425 ~ 6525	2	1	1.65	1.27	1.65	4.47
	6525 ~ 6875	2	1	1.58	0.84	1.58	4.23
	6875 ~ 7125	2	1	1.10	0.65	1.10	3.89

Remarks:

- The EUT supports Cyclic Delay Diversity (CDD) mode, and CDD signals are correlated.

If antenna gains are not equal, the user may use either of the following methods to calculate directional

$$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$$

gain, provided that each transmit antenna is driven by only one spatial stream follows.

- For power spectral density (PSD) measurements on all devices,
- For power measurements on IEEE 802.11 devices,

Array Gain = 0 dB for $N_{Ant} \leq 4$;

- All messages of antenna were declared by manufacturer.

2. Test Configuration

2.1. Test Mode

Mode 1: Operating under control of standard power access point
Mode 2: Operating under control of low-power indoor access point

2.2. Applied Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- ANSI C63.10-2020
- FCC KDB 987594 D02 v03
- FCC KDB 987594 D04 v03
- FCC KDB 662911 D01 v02r01

2.3. Test Environment Condition

Ambient Temperature	15 ~ 35 °C
Relative Humidity	20 ~ 75%RH

3. Measuring Instrument

Instrument	Manufacturer	Model No.	Asset No.	Cali. Interval	Cali. Due Date	Test Site
Signal Analyzer	Keysight	N9042B	MRTSUE07260	1 year	2026-11-05	WJ-SR7
Thermohygrometer	testo	608-H1	MRTSUE11337	1 year	2027-05-10	WJ-SR7
Shielding Room	TDK	WJ-SR7	MRTSUE07129	N/A	N/A	WJ-SR7
USB Power Sensor	Keysight	U2021XA	MRTSUE07142	1 year	2027-03-12	WJ-SR7
Directional Coupler	narda	4226-20	MRTSUE06065	1 year	2027-03-08	WJ-SR7
Fixed Attenuator	MVE	MVE2213	MRTSUE07313	1 year	2027-06-01	WJ

Software	Version	Function
Agilent Power Panel	V 3.9	Power

4. Decision Rules and Measurement Uncertainty

4.1. Decision Rules

The Decision Rule is based on Simple Acceptance in accordance with ISO Guide 98-4: 2012 Clause 8.2.
(Measurement uncertainty is not taken into account when stating conformity with a specified requirement.)

4.2. Measurement Uncertainty

Where relevant, the following test uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k = 2$.

Output Power
Measuring Uncertainty for a Level of Confidence of 95% ($U=2 U_c(y)$): 1.4 dB

5. Test Result

5.1. Summary

FCC Section(s)	Test Description	Test Condition	Verdict
15.407(a)(8)	Proper Power Adjustment, Client Devices Connected to a Standard Power Access Point (APC)	Conducted	Pass
15.407(a)(8)	Dual Client Test, Demonstration of Proper Power Adjustment Based on Associated AP		Pass

5.2. Proper Power Adjustment, Client Devices Connected to a Standard Power Access Point (APC)

5.2.1. Test Limit

The device must limit its power to no more than 6 dB below its associated standard power access point's authorized transmit power.

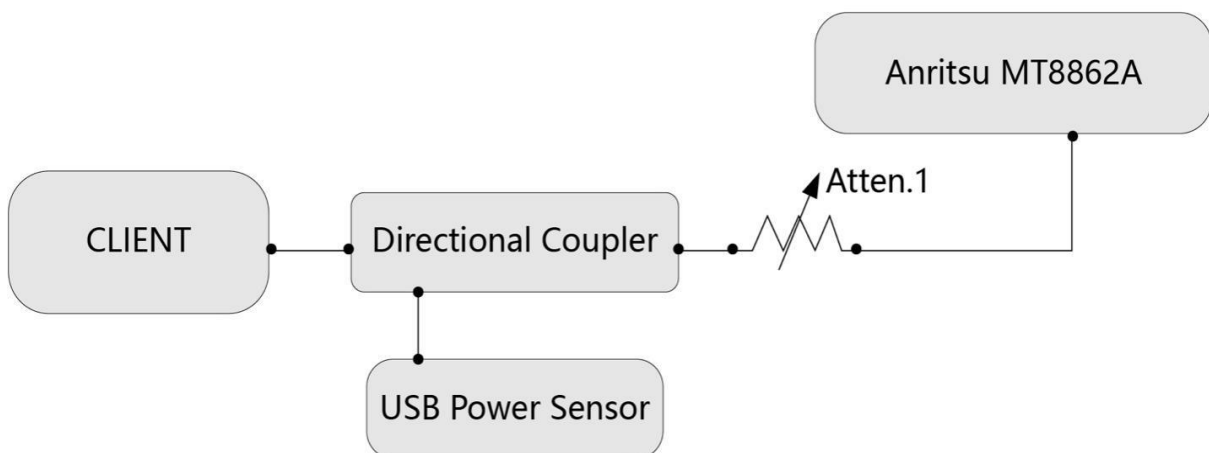
5.2.2. Test Procedure

KDB 987594 D02 v03- Section II)L

5.2.3. Test Setting

1. Connect equipment as shown in test setup below.
2. Adjust Atten 1 to Std Power AP (Anritsu MT8862A) so as to facilitate error free communication with the Client but protect the Client receiver from overload or damage.
3. Configure the Client and AP (Anritsu MT8862A) to associate and send data (stream data). The AP (Anritsu MT8862A) should be configured so its registered power is 36 dBm EIRP.
4. Verify transmission between the Client and Std Power AP (Anritsu MT8862A). Additional attenuators may be required to protect measurement equipment. Measure the Client RF power using any of the methods in C63.10 for NII devices. Use this power, along with its antenna gain, to calculate the Client EIRP.
5. The Client EIRP should be minimally 6 dB lower than the instrument.
6. Repeat Steps 2 through 5 at two other selected measurement points—the first at the midpoint and the second at the lowest rated power of the client as declared by the manufacturer.

5.2.4. Test Setup



5.2.5. Test Result

Refer to Appendix A.1.

5.3. Dual Client Test, Demonstration of Proper Power Adjustment Based on Associated AP

5.3.1. Test Limit

A client device may connect to a Standard Power AP with a maximum power level of 30 dBm EIRP. A client may also connect to a Low Power indoor AP, but the power level is limited to a maximum of 24 dBm EIRP.

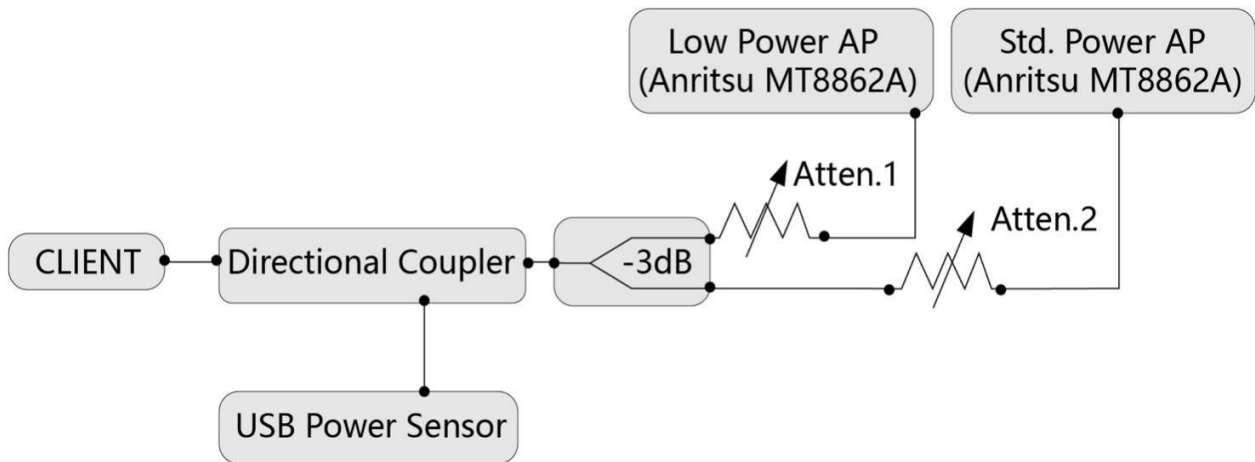
5.3.2. Test Procedure

KDB 987594 D02 v03- Section II)K

5.3.3. Test Setting

1. Connect equipment as shown in test setup below.
2. Adjust Atten 2 to Std Power AP (Anritsu MT8862A) so as to facilitate error free communication with the Client (Atten 1 should be set to High on the RF path to the Low Power AP)
3. Configure the Client and APs (Anritsu MT8862A) so that they associate and start sending data (stream data). It is important that the client is configured to transmit at its highest power level. Initially, because the attenuation on Atten 1 is set high, the Client will only associate with the Std Power AP (Anritsu MT8862A).
4. Verify transmission between Client and Std Power AP (Anritsu MT8862A). Additional attenuators may be required to protect measurement equipment. Measure the Client RF power using any of the methods in C63.10 for NII devices.
5. Gradually increase Atten 2 while at the same time decreasing Atten 1. This simulates the Client moving from outdoors to indoors. At some level of attenuation the Client should associate with the Low Power indoor AP (Anritsu MT8862A).
6. Verify transmission between Client and Low Power AP (Anritsu MT8862A).
7. Measure the RF power of the Client device using the same method as in step 4. Verify the power is no more than 24 dBm EIRP.

5.3.4. Test Setup



5.3.5. Test Result

Refer to Appendix A.2.

Appendix A - Test Result

A.1 Proper Power Adjustment, Client Devices Connected to a Standard Power Access Point (APC) Test Result

Test Site	WJ-SR7	Test Engineer	Amy Zhang
Test Date	2026-10-08	Test Mode	802.11be-EHT20
Test Channel	5		

Authorized Power Level	Client Conducted Power (dBm)		Client EIRP (dBm)	Anritsu MT8862 A EIRP (dBm)	Anritsu MT8862 A to Client EIRP Delta (dB)	Limit (dB)	Test Result
	Ant 3	Ant 2					
Maximum EIRP	11.46	10.72	15.86	36.00	20.14	> 6	Pass
Midpoint EIRP	10.85	9.99	15.19	28.00	12.81	> 6	Pass
Lowest EIRP	4.35	2.04	8.10	21.00	12.90	> 6	Pass

Note: Client EIRP (dBm) = $10 \times \log \{10^{(\text{Ant 3 Client Conducted Power} / 10)} + 10^{(\text{Ant 2 Client Conducted Power} / 10)}\} + \text{Antenna Gain (dBi)}$.

A.2 Dual Client Test, Demonstration of Proper Power Adjustment Based on Associated AP Test Result

Test Site	WJ-SR7	Test Engineer	Amy Zhang
Test Date	2026-10-08	Test Mode	802.11be-EHT20
Test Channel	5		

Test Condition	Client Conducted Power (dBm)		Client EIRP (dBm)	EIRP Limit (dBm)	Test Result
	Ant 3	Ant 2			
Indoor EIRP	4.52	4.13	9.08	24.0	Pass
Standard EIRP	11.33	10.52	15.69	30.0	Pass

Note: Client EIRP (dBm) = $10 \times \log \{10^{(\text{Ant 3 Client Conducted Power} / 10)} + 10^{(\text{Ant 2 Client Conducted Power} / 10)}\} + \text{Antenna Gain (dBi)}$.

Appendix B - Test Setup Photograph

Refer to "R26S1032085-UT" file.

Appendix C - EUT Photograph

Refer to "R26S1032085-UE" file.

_____ The End _____