

FCC Radio Test Report

FCC ID: 2BUIVTKW26001

Report No. : BTL-FCCP-1-2509T065
Equipment : MagCharge Plate Wireless Charging Module
Model Name : T-MP03, PH06 PRO
Brand Name : TAKEWAY
Applicant : Ehoma Industrial Corporation
Address : No.17,Kuochung 2nd Rd., Tali Dist.,Taichung City,Taiwan

Radio Function : WPC-Qi (110.5~205 kHz)

FCC Rule Part(s) : FCC CFR Title 47, Part 15, Subpart C (15.209)
Measurement Procedure(s) : ANSI C63.10-2020

Date of Receipt : 2025/9/16
Date of Test : 2025/12/10~ 2026/1/21
Issued Date : 2026/3/31

The above equipment has been tested and found in compliance with the requirement of the above standards by BTL Inc.

Prepared by : Brett Shen
 Brett Shen, Engineer

Approved by : Jerry Chuang
 Jerry Chuang, Vice Manager



BTL Inc.

No.18, Ln. 171, Sec. 2, Jiuzong Rd., Neihs Dist., Taipei City 114, Taiwan

Tel: +886-2-2657-3299 Fax: +886-2-2657-3331 Web: www.newbtl.com Service mail: btl_qa@newbtl.com



Declaration

BTL represents to the client that testing is done in accordance with standard procedures as applicable and that test instruments used has been calibrated with standards traceable to international standard(s) and/or national standard(s).

BTL's reports apply only to the specific samples tested under conditions. It is manufacture's responsibility to ensure that additional production units of this model are manufactured with the identical electrical and mechanical components. **BTL** assumes no responsibility for the data provided by the Customer, any statements, inferences or generalizations drawn by the customer or others from the reports issued by **BTL**.

This report is the confidential property of the client. As a mutual protection to the clients, the public and ourselves, the test report shall not be reproduced, except in full, without our written approval.

BTL's laboratory quality assurance procedures are in compliance with the **ISO/IEC 17025** requirements, and accredited by the conformity assessment authorities listed in this test report.

BTL is not responsible for the sampling stage, so the results only apply to the sample as received.

The information, data and test plan are provided by manufacturer which may affect the validity of results, so it is manufacturer's responsibility to ensure that the apparatus meets the essential requirements of applied standards and in all the possible configurations as representative of its intended use.

Limitation

For the use of the authority's logo is limited unless the Test Standard(s)/Scope(s)/Item(s) mentioned in this test report is (are) included in the conformity assessment authorities acceptance respective.

Please note that the measurement uncertainty is provided for informational purpose only and are not use in determining the Pass/Fail results.

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REVISION HISTORY

Report No.	Version	Description	Issued Date	Note
BTL-FCCP-1-2509T065	R00	Original Report.	2026/3/11	Invalid
BTL-FCCP-1-2509T065	R01	Revised Typo.	2026/3/31	Valid

1 SUMMARY OF TEST RESULTS

Test procedures according to the technical standards.

Standard(s) Section	Description	Test Result	Judgement	Remark
15.207	AC Power Line Conducted Emissions	-----	N/A	NOTE (3)
15.209	Radiated Emissions	APPENDIX A APPENDIX B	Pass	-----
15.215(c)	20 dB Bandwidth	APPENDIX C	Pass	-----

Statement of Conformity

The statement of conformity is based on the binary decision rule according to IEC Guide 115 and ILAC G8 "simple acceptance" principle. Without considering measurement uncertainty, its specific risk is less than 50% PFA. (PFA: Probability of False Accept)

NOTE:

- (1) "N/A" denotes test is not applicable in this Test Report.
- (2) The report format version is TP.1.1.1.
- (3) This is a DC input device.

1.1 TEST FACILITY

The test locations stated below are under the TAF Accreditation Number 0659.

The test location(s) used to collect the test data in this report are:

No. 68-1, Ln. 169, Sec. 2, Datong Rd., Xizhi Dist., New Taipei City 221, Taiwan
(FCC DN: TW0659)

☐ C05 ☐ CB08 ☐ CB11 ☐ SR10 ☒ SR11

No. 72, Ln. 169, Sec. 2, Datong Rd., Xizhi Dist., New Taipei City 221, Taiwan
(FCC DN: TW0659)

☐ C06 ☒ CB21 ☐ CB22

1.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement $y \pm U$, where expanded uncertainty U is based on a standard uncertainty multiplied by a coverage factor of $k = 2$, providing a level of confidence of approximately **95 %**.

A. Radiated emissions test:

Test Site	Measurement Frequency Range (GHz)	U (dB)
CB21 (3m)	0.03~0.2	4.35
	0.2~1	4.78
	1 ~ 6	5.45
	6 ~ 18	5.04
	18 ~ 26	4.03
	26 ~ 40	4.33

C. Conducted test :

Test Item	U
Occupied Bandwidth	0.83 %

NOTE:

Unless specifically mentioned, the uncertainty of measurement has not been taken into account to declare the compliance or non-compliance to the specification.

1.3 TEST ENVIRONMENT CONDITIONS

Test Item	Environment Condition	Test Voltage	Tested by
Radiated emissions (9KHz TO 30MHz)	Refer to data	DC 12V	Mark Wang
Radiated emissions (30MHz TO 1000MHz)	Refer to data	DC 12V	Mark Wang
20 dB Bandwidth	24.1 °C, 61 %	DC 12V	Ken Lan

2 GENERAL INFORMATION

2.1 DESCRIPTION OF EUT

Equipment	MagCharge Plate Wireless Charging Module
Model Name	T-MP03, PH06 PRO
Brand Name	TAKEWAY
Model Difference	Different model distribute to different area.
Power Source	DC Voltage supplied from battery.
Power Rating	Input : 12V Output : 5W (5V1A)
Products Covered	N/A
Frequency Range	110.5~205 kHz
Modulation Technology	ASK
Max H-field strength	57.60 dBμV/m @ 1 m -41.48 dBμV/m @ 300 m NOTE (4)
Test Model	T-MP03
Sample Status	Engineering Sample
EUT Modification(s)	N/A

NOTE:

(1) The above EUT information is declared by manufacturer and for more detailed features description, please refers to the manufacturer's specifications or user's manual.

(2) Channel List:

Channel	Frequency (kHz)
-	134

(3) Table for Filed Antenna:

Antenna	Brand	Part number	Type	Connector	Gain (dBi)
1	Shenzhen Shenlian Yu Electronics Co., LTD	SLY G41D5-6R9-L15	Coil	N/A	N/A

The above Antenna information are derived from the antenna data sheet provided by manufacturer and for more detailed features description, please refer to the manufacturer's specifications, the laboratory shall not be held responsible.

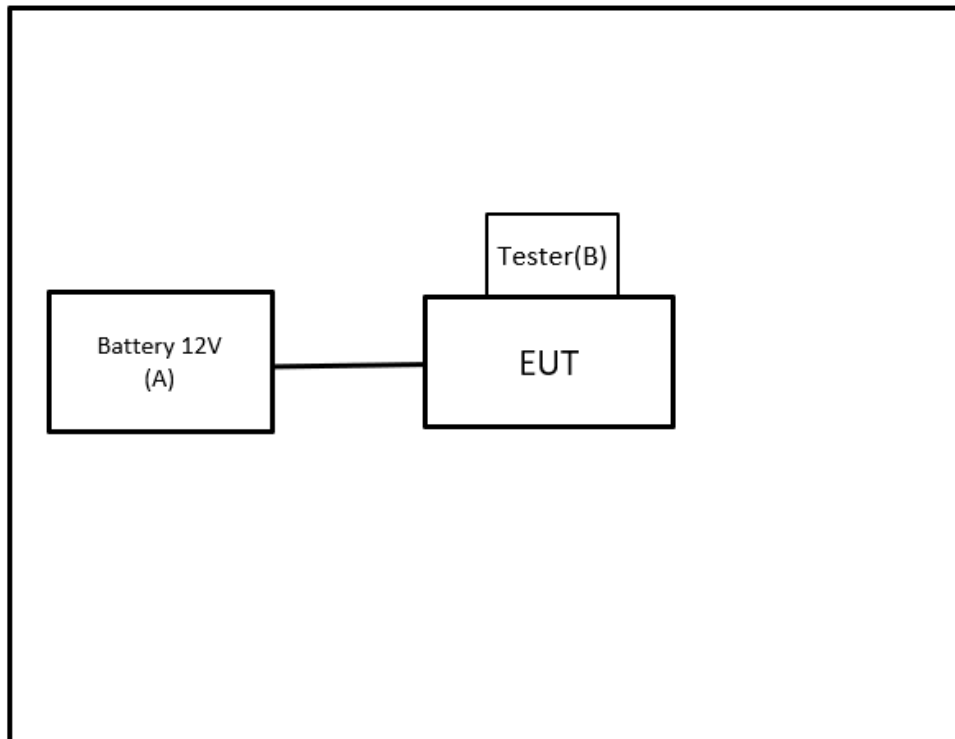
(4) $\text{dB}\mu\text{V/m } 300 \text{ m} = \text{dB}\mu\text{V/m } 1 \text{ m} + 40 \log(1 \text{ m}/300 \text{ m})$.
 $57.60 \text{ dB}\mu\text{V/m at } 1 \text{ m} = -41.48 \text{ dB}\mu\text{V/m at } 300 \text{ m}$.

2.2 TEST MODES

Test Items	Test mode	Channel	Note
Radiated emissions (9KHz TO 30MHz)	Transmit	-	-
Radiated emissions (30MHz TO 1000MHz)	Transmit	-	-
20 dB Bandwidth	Transmit	-	-

2.3 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

Equipment letters and Cable numbers refer to item numbers described in the tables of clause 2.4.



2.4 SUPPORT UNITS

Item	Equipment	Brand	Model No.	Series No.	Remarks
A	Battery	ZEBRA	ZB9-12	N/A	Furnished by test lab.
B	Tester	YBZ	Wireless Charging Tester	N/A	Furnished by test lab.

Item	Shielded	Ferrite Core	Length	Cable Type	Remarks
-	-	-	-	-	-

3 RADIATED EMISSIONS TEST

3.1 LIMIT

In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

LIMITS OF RADIATED EMISSION MEASUREMENT(9 kHz-1000 MHz)

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

NOTE:

- (1) The limit for radiated test was performed according to FCC Part 15, Subpart C.
- (2) The tighter limit applies at the band edges.
- (3) Emission level (dBuV/m)=20log Emission level (uV/m).
- (4) The test result calculated as following:
 Measurement Value = Reading Level + Correct Factor
 Correct Factor = Antenna Factor + Cable Loss - Amplifier Gain(if use)
 Margin Level = Measurement Value - Limit Value
 Calculation example:

Reading Level (dBuV)		Correct Factor (dB/m)		Measurement Value (dBuV/m)
19.11	+	2.11	=	21.22

Measurement Value (dBuV/m)		Limit Value (dBuV/m)		Margin Level (dB)
21.22	-	40	=	-18.78

3.2 TEST PROCEDURE

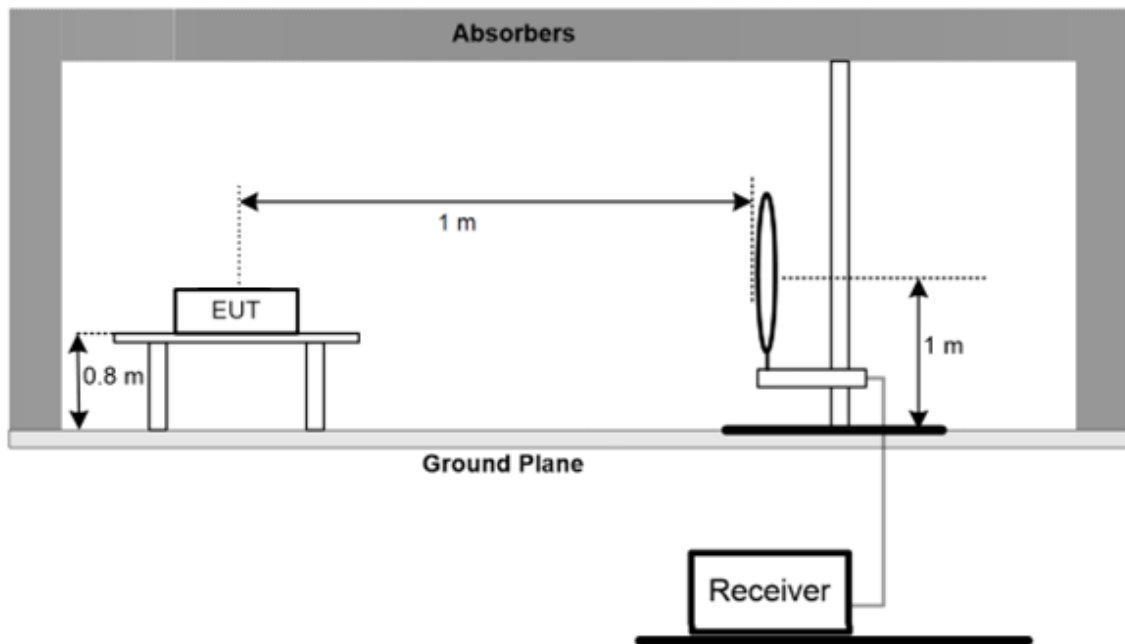
- a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1 GHz)
- b. The height of the equipment or of the substitution antenna shall be 0.8m or 1.5m; the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- c. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights find the maximum reading (used Bore sight function).
- d. The initial step in collecting radiated emission data is a receiver peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- e. All readings are Peak unless otherwise stated QP in column of Note. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform. (below 1 GHz)
- f. For the actual test configuration, please refer to the related Item – EUT TEST PHOTO.

3.3 DEVIATION FROM TEST STANDARD

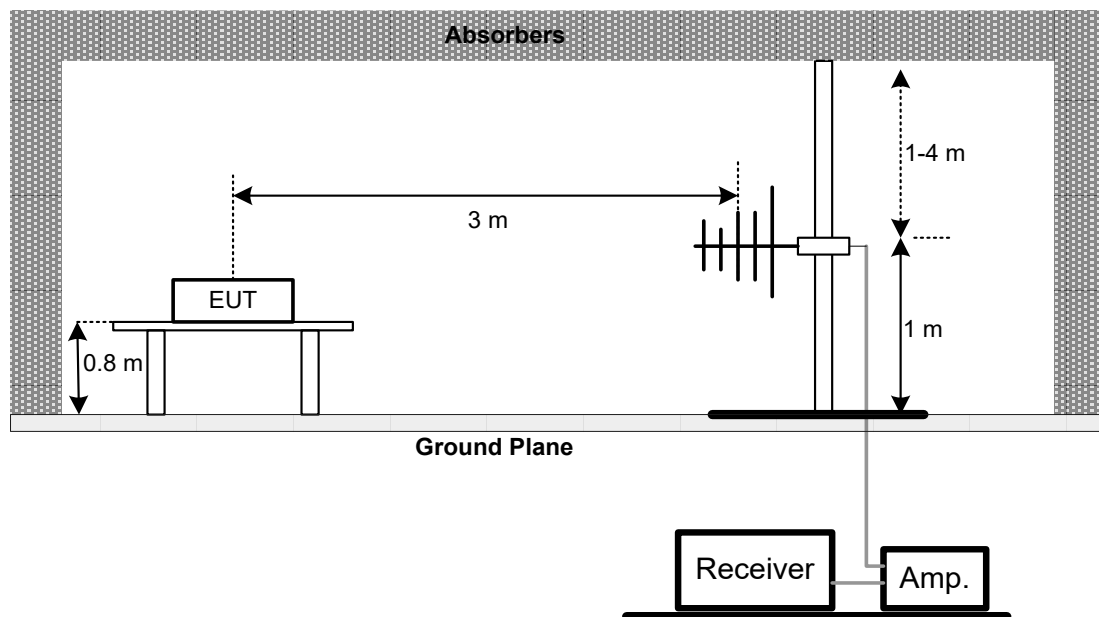
No deviation.

3.4 TEST SETUP

9 kHz to 30 MHz



30 MHz to 1 GHz



3.5 EUT OPERATING CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

3.6 TEST RESULT – 9 KHZ TO 30 MHZ

Please refer to the APPENDIX A.

3.7 TEST RESULT – 30 MHZ TO 1 GHZ

Please refer to the APPENDIX B.

NOTE:

- (1) No limit: This is fundamental signal, the judgment is not applicable.
For fundamental signal judgment was referred to Peak output test.

4 20 DB BANDWIDTH

4.1 LIMIT

N/A

4.2 TEST PROCEDURE

- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
- b. Spectrum Setting : RBW= 1 kHz, VBW=3 kHz, Sweep time = 20 ms.

4.3 DEVIATION FROM TEST STANDARD

No deviation.

4.4 TEST SETUP



4.5 EUT OPERATING CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

4.6 TEST RESULT

Please refer to the APPENDIX C.

5 LIST OF MEASURING EQUIPMENTS

Radiated Emissions						
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	Preamplifier	EMCI	EMC330N	980850	2025/9/3	2026/9/2
2	Preamplifier	EMCI	EMC001340	980579	2025/9/3	2026/9/2
3	Test Cable	EMCI	EMC104-SM-1000	180809	2025/3/5	2026/3/4
4	Test Cable	EMCI	EMC104-SM-SM-3000	220322	2025/3/5	2026/3/4
5	Test Cable	EMCI	EMC105-SM-SM-8000	220422	2025/10/15	2026/10/14
6	EXA Signal Analyzer	keysight	N9020B	MY57120120	2025/2/19	2026/2/18
7	Loop Ant	Electro-Metrics	EMCI-LPA600	291	2025/9/1	2026/8/31
8	Log-bicon Antenna	Schwarzbeck	VULB9168	1369	2025/7/4	2026/7/3
9	6dB Attenuator	EMCI	EMCI-N-6-06	AT-06001	2025/7/4	2026/7/3
10	Measurement Software	EZ	EZ_EMC (Version NB-03A1-01)	N/A	N/A	N/A

20 dB Bandwidth Measurement						
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	Spectrum Analyzer	R&S	FSP 40	101139	2025/3/7	2026/3/6

Remark: "N/A" denotes no model name, no serial no. or no calibration specified.
All calibration period of equipment list is one year.

6 EUT TEST PHOTO

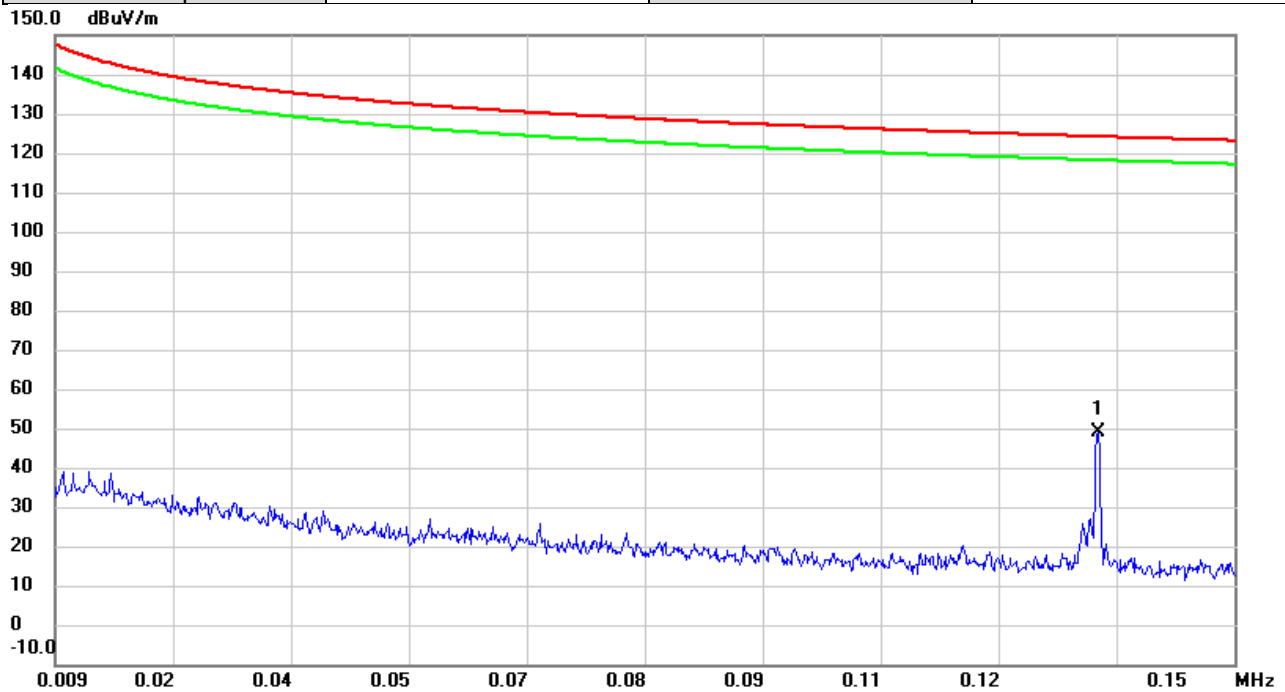
Please refer to document Appendix No.: TP-2509T065-FCCP-1 (APPENDIX-TEST PHOTOS).

7 EUT PHOTOS

Please refer to document Appendix No.: EP-2509T065-1 (APPENDIX-EUT PHOTOS).

APPENDIX A RADIATED EMISSIONS - 9 KHZ TO 30 MHZ

Test Mode	TX	Test Date	2026/1/19
Test Frequency	134KHz	Polarization	Vertical
Temp	26°C	Hum.	60%

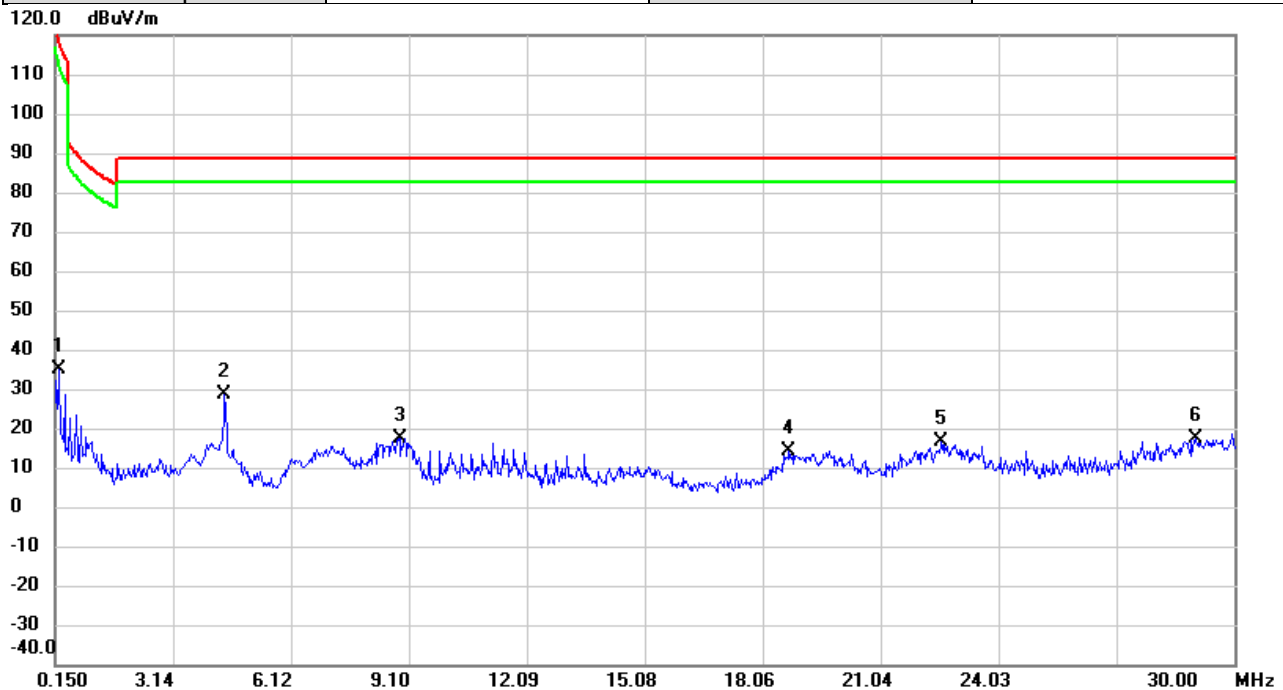


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	0.1337	33.27	15.71	48.98	124.16	-75.18	AVG	

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX	Test Date	2026/1/19
Test Frequency	134KHz	Polarization	Vertical
Temp	26°C	Hum.	60%

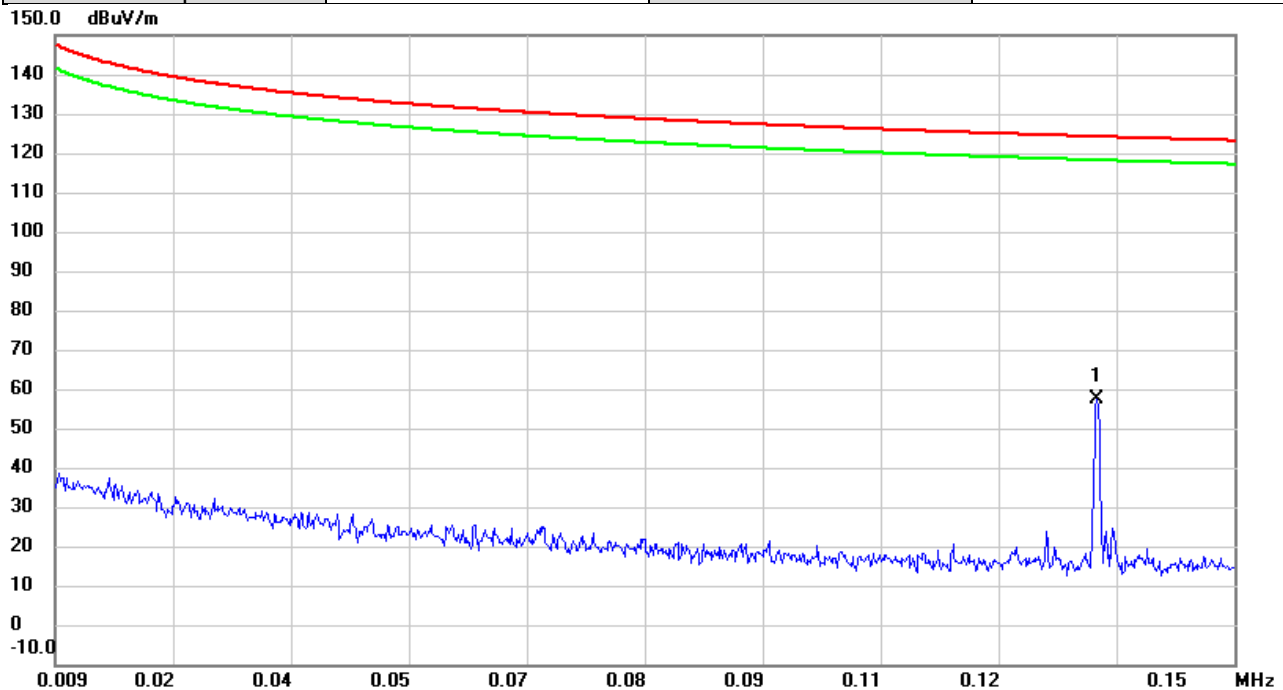


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.2674	25.37	9.58	34.95	118.14	-83.19	AVG	
2	*	4.4274	32.17	-3.56	28.61	88.62	-60.01	QP	
3		8.8881	20.24	-2.78	17.46	88.62	-71.16	QP	
4		18.7296	17.61	-3.34	14.27	88.62	-74.35	QP	
5		22.5743	19.73	-3.13	16.60	88.62	-72.02	QP	
6		29.0428	19.56	-2.32	17.24	88.62	-71.38	QP	

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX	Test Date	2026/1/19
Test Frequency	134KHz	Polarization	Horizontal
Temp	26°C	Hum.	60%

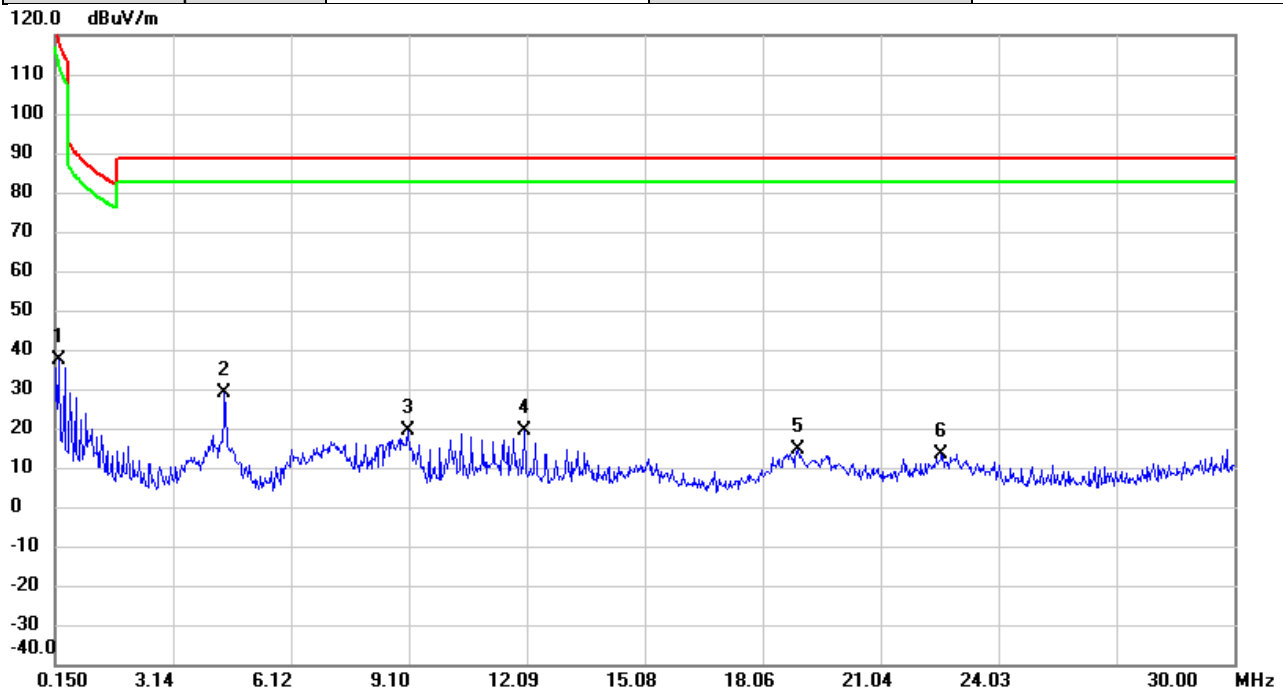


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	0.1336	41.88	15.72	57.60	124.17	-66.57	AVG	

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX	Test Date	2026/1/19
Test Frequency	134KHz	Polarization	Horizontal
Temp	26°C	Hum.	60%



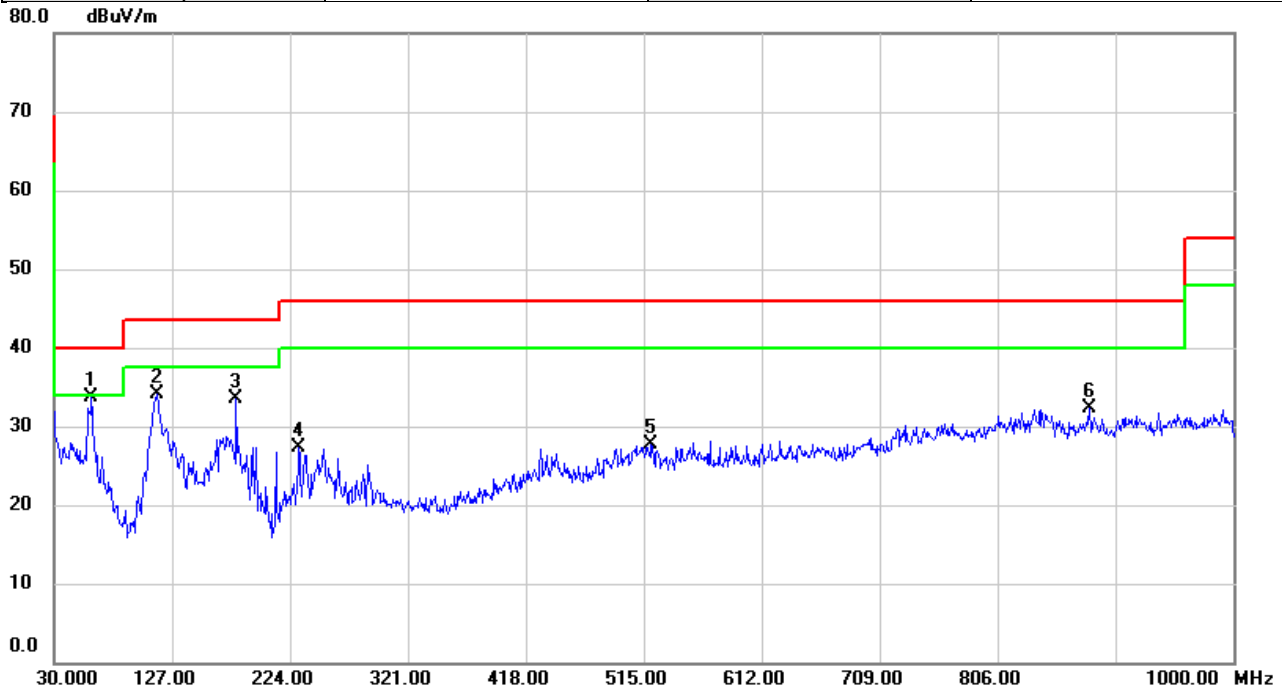
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.2674	27.81	9.58	37.39	118.14	-80.75	AVG	
2	*	4.4284	32.50	-3.56	28.94	88.62	-59.68	QP	
3		9.0911	22.30	-2.74	19.56	88.62	-69.06	QP	
4		12.0333	22.13	-2.72	19.41	88.62	-69.21	QP	
5		18.9744	17.91	-3.37	14.54	88.62	-74.08	QP	
6		22.5713	16.40	-3.13	13.27	88.62	-75.35	QP	

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

APPENDIX B RADIATED EMISSIONS - 30 MHZ TO 1 GHZ

Test Mode	TX	Test Date	2025/12/10
Test Frequency	134KHz	Polarization	Vertical
Temp	26°C	Hum.	68%

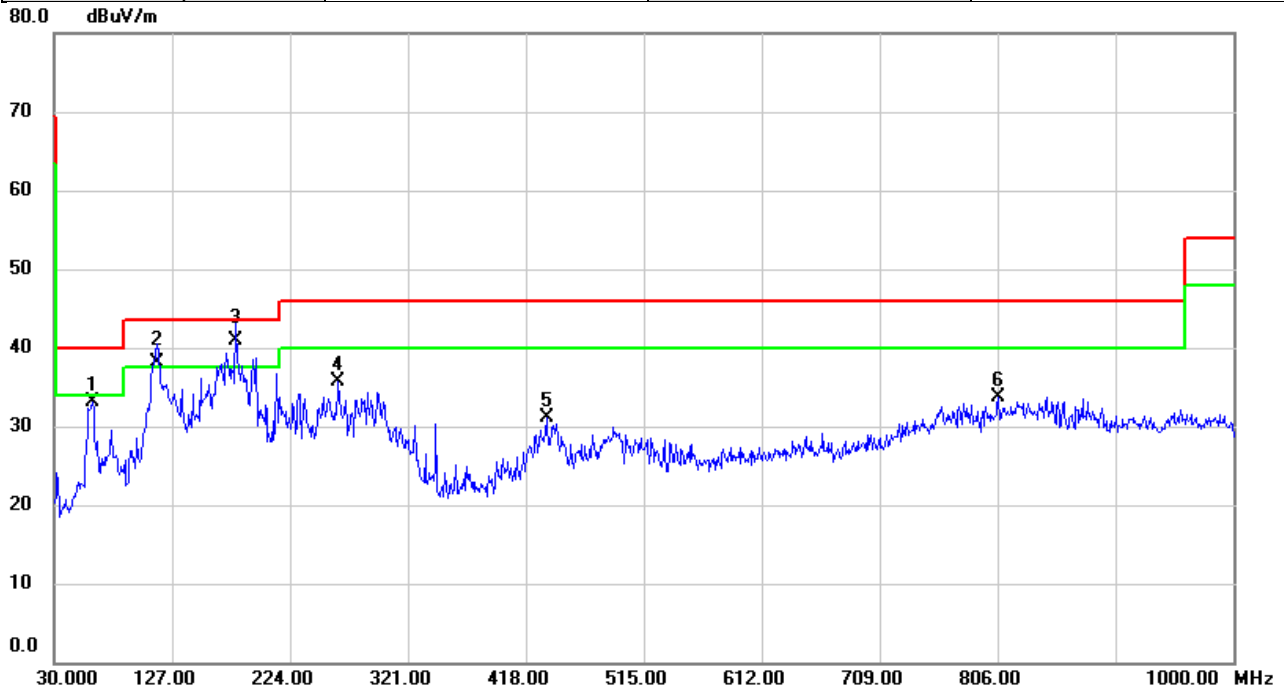


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	60.3287	45.77	-12.14	33.63	40.00	-6.37	peak	
2		114.3577	48.70	-14.56	34.14	43.50	-9.36	peak	
3		179.9297	46.48	-13.06	33.42	43.50	-10.08	peak	
4		231.6953	41.31	-13.98	27.33	46.00	-18.67	peak	
5		521.1433	33.44	-5.83	27.61	46.00	-18.39	peak	
6		881.7247	31.92	0.47	32.39	46.00	-13.61	peak	

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX	Test Date	2025/12/10
Test Frequency	134KHz	Polarization	Horizontal
Temp	26°C	Hum.	68%



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		61.2663	45.42	-12.34	33.08	40.00	-6.92	peak	
2	!	114.4870	52.62	-14.55	38.07	43.50	-5.43	QP	
3	*	179.9620	54.06	-13.07	40.99	43.50	-2.51	QP	
4		264.0285	47.99	-12.20	35.79	46.00	-10.21	peak	
5		435.2660	38.51	-7.40	31.11	46.00	-14.89	peak	
6		806.0323	34.06	-0.37	33.69	46.00	-12.31	peak	

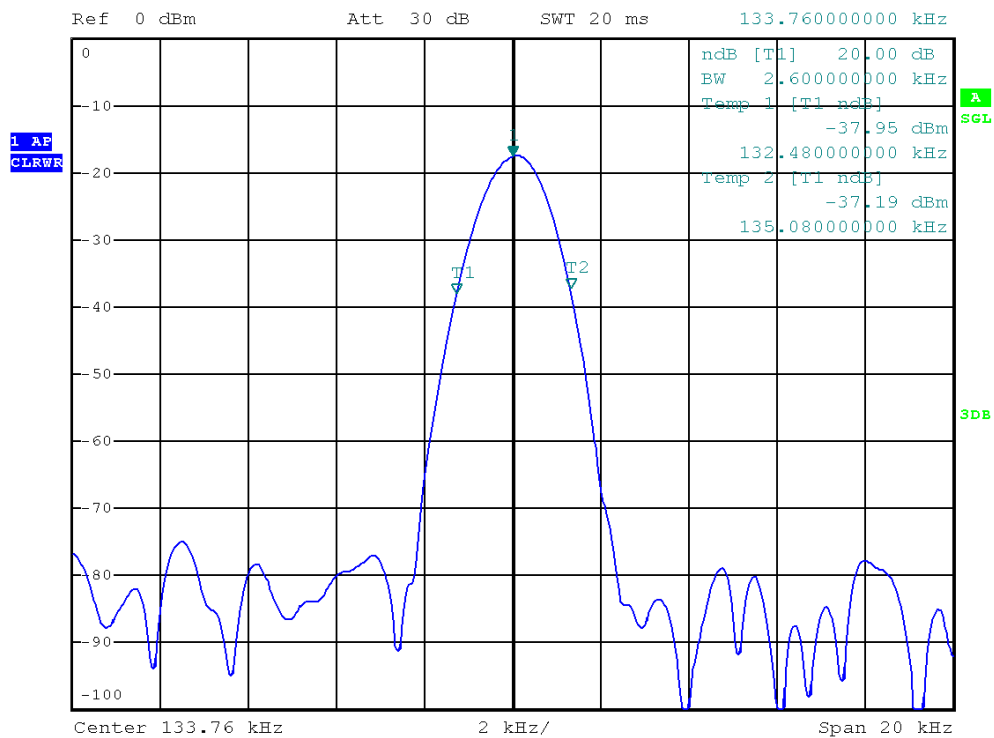
REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

APPENDIX C 20 DB BANDWIDTH

Test Mode	TX
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Frequency (KHz)	20dB Bandwidth (KHz)	Operated Frequency Range (KHz)	Result
133.76	2.60	136.36	PASS



Date: 21.JAN.2026 17:32:15

End of Test Report