

## FCC Test Report

**Report No.:** RFBCBS-WTW-P25070471

**FCC ID:** K7SBPD010

**Test Model:** BPD010

**Received Date:** 2025/7/21

**Test Date:** 2025/8/5

**Issued Date:** 2025/8/26

**Applicant:** Belkin International, Inc.

**Address:** 555 S. Aviation Blvd., Suite 180, El Segundo, CA 90245, USA

**Issued By:** Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch  
Lin Kou Laboratories

**Lab Address:** No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan

**Test Location:** (1) No. 19, Hwa Ya 2nd Rd., Wen Hwa Vil., Kewi Shan Dist., Taoyuan City  
33383, Taiwan

(2) No. 70, Wenming Rd., Guishan Dist., Taoyuan City 333, Taiwan

**FCC Registration /  
Designation Number:** (1) 788550 / TW0003  
(2) 281270 / TW0032



This report is governed by, and incorporates by reference, the Conditions of Testing as posted at the date of issuance of this report at <http://www.bureauveritas.com/home/about-us/our-business/cps/about-us/terms-conditions/> and is intended for your exclusive use. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results thereof based upon the information that you provided to us. Measurement uncertainty is only provided upon request for accredited tests. Statements of conformity are based on simple acceptance criteria without taking measurement uncertainty into account, unless otherwise requested in writing. You have 60 days from date of issuance of this report to notify us of any material error or omission caused by our negligence or if you require measurement uncertainty; provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.

## Table of Contents

<b>Release Control Record</b> .....	<b>3</b>
<b>1 Certificate of Conformity</b> .....	<b>4</b>
<b>2 Summary of Test Results</b> .....	<b>5</b>
2.1 Measurement Uncertainty.....	5
2.2 Modification Record.....	5
<b>3 General Information</b> .....	<b>6</b>
3.1 General Description of EUT.....	6
3.2 Description of Test Modes.....	7
3.2.1 Test Mode Applicability and Tested Channel Detail.....	8
3.3 Description of Support Units.....	9
3.3.1 Configuration of System under Test.....	9
3.4 General Description of Applied Standards.....	9
<b>4 Test Types and Results</b> .....	<b>10</b>
4.1 Radiated Emission and Bandedge Measurement.....	10
4.1.1 Limits of Radiated Emission and Bandedge Measurement.....	10
4.1.2 Test Instruments.....	11
4.1.3 Test Procedures.....	12
4.1.4 Deviation from Test Standard.....	12
4.1.5 Test Set Up.....	13
4.1.6 EUT Operating Conditions.....	13
4.1.7 Test Results.....	14
4.2 Conducted Emission Measurement.....	27
4.2.1 Limits of Conducted Emission Measurement.....	27
4.2.2 Test Instruments.....	27
4.2.3 Test Procedures.....	28
4.2.4 Deviation from Test Standard.....	28
4.2.5 Test Setup.....	28
4.2.6 EUT Operating Conditions.....	28
4.2.7 Test Results.....	29
4.3 20dB Bandwidth Measurement.....	33
4.3.1 Test Setup.....	33
4.3.2 Test Instruments.....	33
4.3.3 Test Procedure.....	33
4.3.4 Deviation from Test Standard.....	33
4.3.5 EUT Operating Conditions.....	33
4.3.6 Test Results.....	34
<b>5 Pictures of Test Arrangements</b> .....	<b>35</b>
<b>Appendix – Information of the Testing Laboratories</b> .....	<b>36</b>

### Release Control Record

Issue No.	Description	Date Issued
RFBCBS-WTW-P25070471	Original release	2025/8/26



## 2 Summary of Test Results

47 CFR FCC Part 15, Subpart C (Section 15.209)			
FCC Clause	Test Item	Result	Remarks
15.207	AC Power Conducted Emission	Pass	Meet the requirement of limit. Minimum passing margin is -16.02dB at 0.63400MHz.
15.209	Radiated Emission Test	Pass	Meet the requirement of limit. Minimum passing margin is -6.3dB at 48.43MHz

Note: Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

### 2.1 Measurement Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

Measurement	Frequency	Expanded Uncertainty (k=2) ( $\pm$ )
Conducted Out of Band Emissions	9 kHz ~ 40 GHz	2.79 dB
Conducted Emissions at mains ports	150kHz ~ 30MHz	2.90 dB
Radiated Emissions up to 1 GHz	9 kHz ~ 30 MHz	3.00 dB
	30 MHz ~ 1 GHz	2.93 dB

### 2.2 Modification Record

There were no modifications required for compliance.

### 3 General Information

#### 3.1 General Description of EUT

Product	BoostCharge Slim Magnetic Power Bank 5K
Brand	belkin
Test Model	BPD010
Sample Status	Engineering sample
Power Supply Rating	Input: USB-C: 5V=3A & 9V=2A Output: USB-C: 5V=3A
Modulation Type	FSK
Operating Frequency	111kHz~148kHz
Antenna Type	Coil antenna
Field Strength	-20.1dBuV/m (PK) (300m) -23.6dBuV/m (AV) (300m)
Accessory Device	Refer to Note as below
Data Cable Supplied	Refer to Note as below

Note:

1. The EUT contains following accessory device.

Battery		
Brand	Model	Specification
Lishen	SP526578SR	Power Rating: 19.35Wh, 3.87V, 5000mAh
USB-C Power Adapter (Support Unit)		
Brand	Model	Specification
belkin	WCA013dq	AC Input: 100~240V, 1.0A, 50-60Hz DC Output: (PDO) 5V=3A, 9V=3A, 12V=3A, 15V=3A, 20V=2.25A (PPS) 5V-16V=2.8A
Type C USB Cable (optional)		
Brand	Model	Specification
belkin	ALN-CMCM2-0710-001 (Black) ALN-CMCM2-0710-002 (White)	Signal Line: 0.56m cable

2. The above EUT information is declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications or User's Manual.
3. Due to radiated measurements are made and the antenna gain is already accounted for this device, so provide an antenna datasheet and/or antenna measurement report is not required. The antenna dimensions and pictures (include antenna wire length if have) are stated in EUT photo exhibit.

### 3.2 Description of Test Modes

1 Frequency tested to this EUT.

Test Frequency
127.7kHz

### 3.2.1 Test Mode Applicability and Tested Channel Detail

Pre-Scan:	1. EUT can be used in the following ways: X-axis/ Y-axis/ Z-axis/ Charging Stand mode. Pre-scan these ways and find the worst case as a representative test condition. 2. Coil 1 can be operated in one of the frequencies, where the frequency range is 111 kHz ~ 148 kHz for iPhone_127.7 kHz and Android phone_144 kHz. Pre-scan these frequencies and find the worst case as a representative test condition. 3. EUT can be powered by notebook or adaptor. Pre-scan these ways and find the worst case as a representative test condition.
Worst Case:	1. X-axis/ Y-axis/ Z-axis/ Charging Stand mode Worst Condition: Y-axis 2. 111 kHz ~ 148 kHz Worst Frequency: iPhone_127.7 kHz 3. Notebook or Adaptor Worst Condition: Adaptor

Test Item	EUT Configure Mode	Tested Channel	Modulation
20dB Bandwidth	A	127.7kHz	FSK
AC Power Conducted Emission	A	127.7kHz	FSK
	B	Standby	-
Radiated Emission Test	A	127.7kHz	FSK
	B	Standby	-
EUT Configure Mode:	A	Charging Mode	
	B	Standby Mode	

### 3.3 Description of Support Units

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A.	Adapter	belkin	WCA013dq	N/A	N/A	Supplied by applicant (optional)
B.	iPhone 16 pro	APPLE	A3293	N/A	BCG-E8666A	Supplied by applicant

ID	Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1.	Type C USB Cable	1	0.56	Y	0	Supplied by applicant (optional)

#### 3.3.1 Configuration of System under Test

Charging Mode:

Test Mode A



Standby Mode:

Test Mode B



### 3.4 General Description of Applied Standards

The EUT is a RF Product. According to the specifications of the manufacturer, it must comply with the requirements of the following standards:

#### FCC Part 15, Subpart C (15.209)

ANSI C63.10-2013

All test items have been performed and recorded as per the above standards.

## 4 Test Types and Results

### 4.1 Radiated Emission and Bandedge Measurement

#### 4.1.1 Limits of Radiated Emission and Bandedge Measurement

##### For Frequency Below 30MHz

Frequency (MHz)	Field Strength (dBuV/m)		Measurement Distance (meters)
	uV/m	dBuV/m	
0.009 – 0.490	2400 / F (kHz)	48.52-13.80	300
0.490 – 1.705	24000 / F (kHz)	33.80-22.97	30
1.705 – 30.0	30	29.54	30

##### For Frequency Between 30-1000MHz

Frequency (MHz)	Field Strength (dBuV/m)		Measurement Distance (meters)
	uV/m	dBuV/m	
30-88	100	40.0	3
88-216	150	43.5	3
216-960	200	46.0	3
Above 960	500	54.0	3

#### 4.1.2 Test Instruments

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower Max-Full	MFT-151SS-0.5T	N/A	N/A	N/A
Bi_Log Antenna Schwarzbeck	VULB 9168	9168-1213	2024/10/14	2025/10/13
EXA Signal Analyzer Agilent	N9010A	MY52220207	2024/12/30	2025/12/29
Loop Antenna TESEQ	HLA 6121	45745	2024/8/21	2025/8/20
MXE EMI Receiver Keysight	N9038B	MY60180019	2025/1/15	2026/1/14
Preamplifier EMCI	EMC330N	980782	2025/1/14	2026/1/13
RF Coaxial Cable EMCI	EMCCFD400-NM-NM-500	201233	2025/1/14	2026/1/13
	EMCCFD400-NM-NM-3000	201235	2025/1/14	2026/1/13
	EMCCFD400-NM-NM-9000	201236(with PAD)	2025/1/14	2026/1/13
Software BV ADT	ADT_Radiated_ V7.6.15.9.5	N/A	N/A	N/A
Turn Table Max-Full	MF-7802BS	N/A	N/A	N/A
Turn Table Controller Max-Full	MF-7802BS	MF780208674	N/A	N/A

Notes:

1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
2. The test was performed in WM - 966 chamber 8.
3. Tested Date: 2025/8/5

### 4.1.3 Test Procedures

#### For Radiated emission below 30MHz

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter chamber room. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. Parallel, perpendicular, and Ground-Parallel orientations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Quasi-Peak Detect Function and Specified Bandwidth with Maximum Hold Mode, except for the frequency band (9kHz-90kHz, 110kHz-490kHz) set to average detect function and peak detect function.

Note:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 200 Hz at frequency below 150 kHz.
2. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 9 kHz or 10 kHz at frequency 150 kHz to 30MHz.
3. All modes of operation were investigated and the worst-case emissions are reported.

#### For Radiated emission above 30MHz

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1 GHz.

Note:

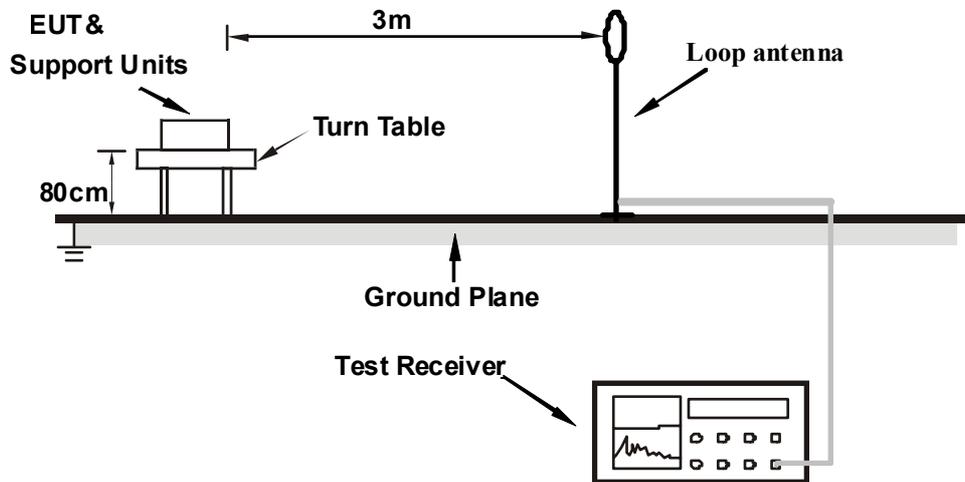
1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection (QP) at frequency below 1GHz.
2. All modes of operation were investigated and the worst-case emissions are reported.

### 4.1.4 Deviation from Test Standard

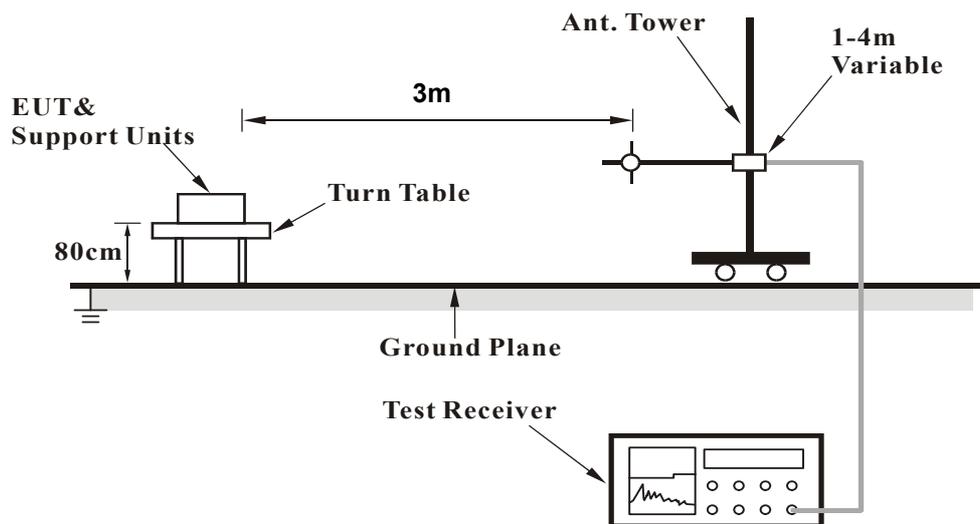
No deviation.

#### 4.1.5 Test Set Up

##### For Radiated emission below 30MHz



##### For Radiated emission 30MHz to 1GHz



For the actual test configuration, please refer to the attached file (Test Setup Photo).

#### 4.1.6 EUT Operating Conditions

##### Charging Mode:

- The EUT powered by adapter.
- Put the iPhone on the EUT (wireless charging) during the test.

##### Standby Mode:

- The EUT powered by adapter.

### 4.1.7 Test Results

9 kHz ~ 490 kHz Data:

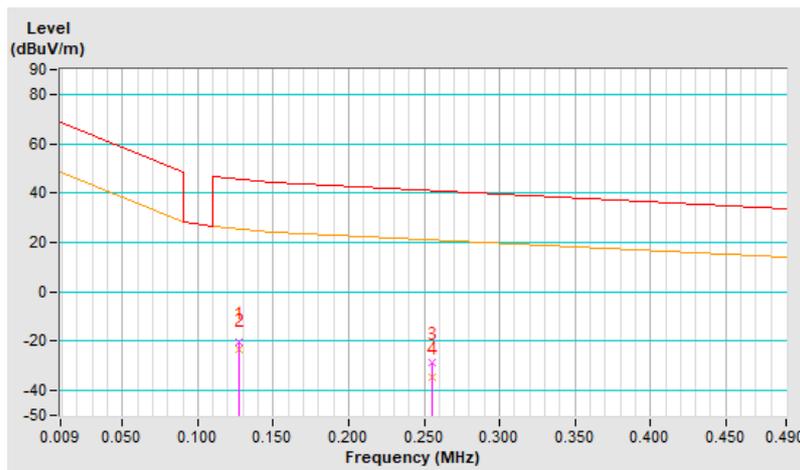
Mode A (Charging Mode)

RF Mode	WPT	Channel	CH 1 : 127.7 kHz
Frequency Range	9 kHz ~ 150 kHz; 150 kHz ~ 490 kHz	Detector Function & Bandwidth	Peak (PK) / Average (AV), 200 Hz; Peak (PK) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	21.3 °C, 66.2% RH
Tested By	Vincent Chen		

Antenna Polarity : Parallel								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*0.1277	-20.1 PK	45.5	-65.6	1.00	264	40.8	-60.9
2	*0.1277	-23.6 AV	25.5	-49.1	1.00	264	37.3	-60.9
3	0.2554	-28.9 PK	39.5	-68.4	1.00	136	31.4	-60.3
4	0.2554	-34.7 AV	19.5	-54.2	1.00	136	25.6	-60.3

Remarks:

- Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
- Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + Distance Factor
- Margin value = Emission Level – Limit value
- The other emission levels were very low against the limit.
- " \* ": Fundamental frequency.
- The test distance for below 0.49 MHz is 3 m, extrapolate the measured field strength to a distance of 300 meters.  
Distance factor@3 m =  $40 \cdot \log(3/300) = -80$  dB

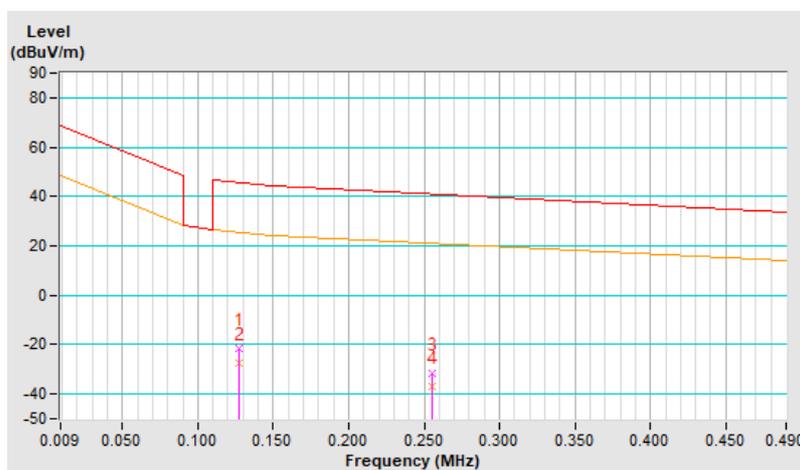


RF Mode	WPT	Channel	CH 1 : 127.7 kHz
Frequency Range	9 kHz ~ 150 kHz; 150 kHz ~ 490 kHz	Detector Function & Bandwidth	Peak (PK) / Average (AV), 200 Hz; Peak (PK) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	21.3 °C, 66.2% RH
Tested By	Vincent Chen		

Antenna Polarity : Perpendicular								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*0.1277	-21.6 PK	45.5	-67.1	1.00	176	39.3	-60.9
2	*0.1277	-27.6 AV	25.5	-53.1	1.00	176	33.3	-60.9
3	0.2554	-31.9 PK	39.5	-71.4	1.00	46	28.4	-60.3
4	0.2554	-37.2 AV	19.5	-56.7	1.00	46	23.1	-60.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + Distance Factor
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " \* ": Fundamental frequency.
6. The test distance for below 0.49 MHz is 3 m, extrapolate the measured field strength to a distance of 300 meters.  
Distance factor@3 m =  $40 \cdot \log(3/300) = -80$  dB

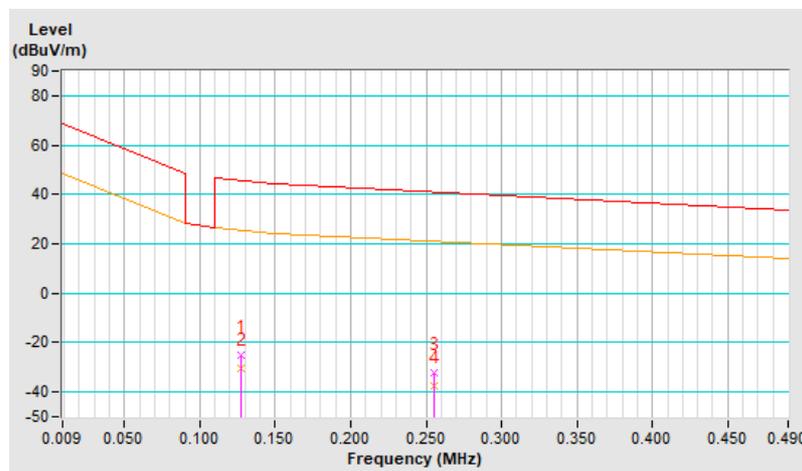


RF Mode	WPT	Channel	CH 1 : 127.7 kHz
Frequency Range	9 kHz ~ 150 kHz; 150 kHz ~ 490 kHz	Detector Function & Bandwidth	Peak (PK) / Average (AV), 200 Hz; Peak (PK) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	21.3 °C, 66.2% RH
Tested By	Vincent Chen		

Antenna Polarity : Ground-parallel								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*0.1277	-24.8 PK	45.5	-70.3	1.00	276	36.1	-60.9
2	*0.1277	-30.5 AV	25.5	-56.0	1.00	276	30.4	-60.9
3	0.2554	-32.4 PK	39.5	-71.9	1.00	186	27.9	-60.3
4	0.2554	-37.7 AV	19.5	-57.2	1.00	186	22.6	-60.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + Distance Factor
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " \* " : Fundamental frequency.
6. The test distance for below 0.49 MHz is 3 m, extrapolate the measured field strength to a distance of 300 meters.  
Distance factor@3 m =  $40 \cdot \log(3/300) = -80$  dB



490 kHz ~ 30 MHz Data:

Mode A (Charging Mode)

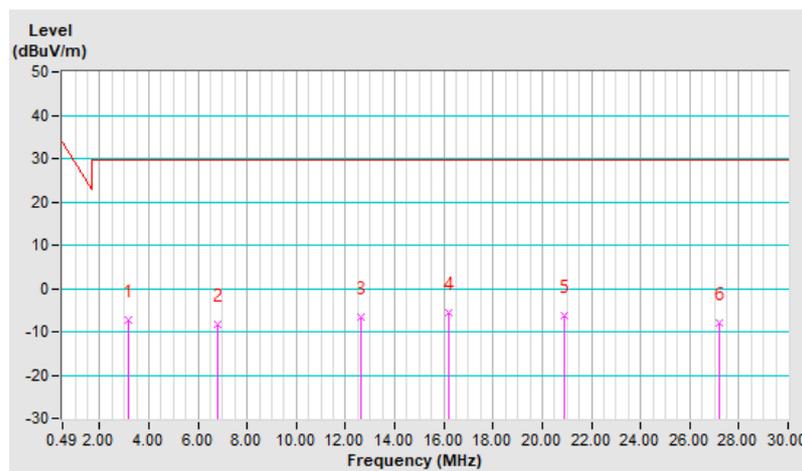
RF Mode	WPT	Channel	CH 1 : 127.7 kHz
Frequency Range	490 kHz ~ 30 MHz	Detector Function & Bandwidth	Quasi-Peak (QP), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	21.3 °C, 66.2% RH
Tested By	Vincent Chen		

Antenna Polarity : Parallel								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3.1754	-7.3 QP	29.5	-36.8	1.00	289	13.1	-20.4
2	6.7756	-8.2 QP	29.5	-37.7	1.00	18	10.9	-19.1
3	12.6481	-6.7 QP	29.5	-36.2	1.00	276	11.9	-18.6
4	16.1893	-5.7 QP	29.5	-35.2	1.00	240	12.7	-18.4
5	20.9109	-6.3 QP	29.5	-35.8	1.00	64	11.9	-18.2
6	27.1965	-7.8 QP	29.5	-37.3	1.00	232	10.4	-18.2

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + Distance Factor
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. The test distance for 0.49 ~ 30 MHz is 3 m, extrapolate the measured field strength to a distance of 30 meters.

Distance factor@3 m =  $40 \cdot \log(3/30) = -40$  dB

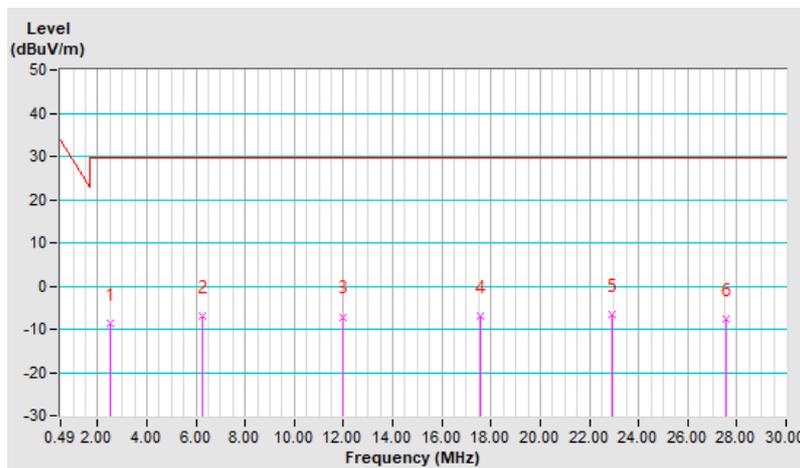


RF Mode	WPT	Channel	CH 1 : 127.7 kHz
Frequency Range	490 kHz ~ 30 MHz	Detector Function & Bandwidth	Quasi-Peak (QP), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	21.3 °C, 66.2% RH
Tested By	Vincent Chen		

Antenna Polarity : Perpendicular								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2.4967	-8.6 QP	29.5	-38.1	1.00	214	11.8	-20.4
2	6.2740	-7.1 QP	29.5	-36.6	1.00	343	12.1	-19.2
3	11.9694	-7.1 QP	29.5	-36.6	1.00	308	11.5	-18.6
4	17.5763	-6.9 QP	29.5	-36.4	1.00	193	11.4	-18.3
5	22.9176	-6.7 QP	29.5	-36.2	1.00	36	11.7	-18.4
6	27.5507	-7.7 QP	29.5	-37.2	1.00	200	10.6	-18.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + Distance Factor
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. The test distance for 0.49 ~ 30 MHz is 3 m, extrapolate the measured field strength to a distance of 30 meters.  
Distance factor@3 m =  $40 \cdot \log(3/30) = -40$  dB

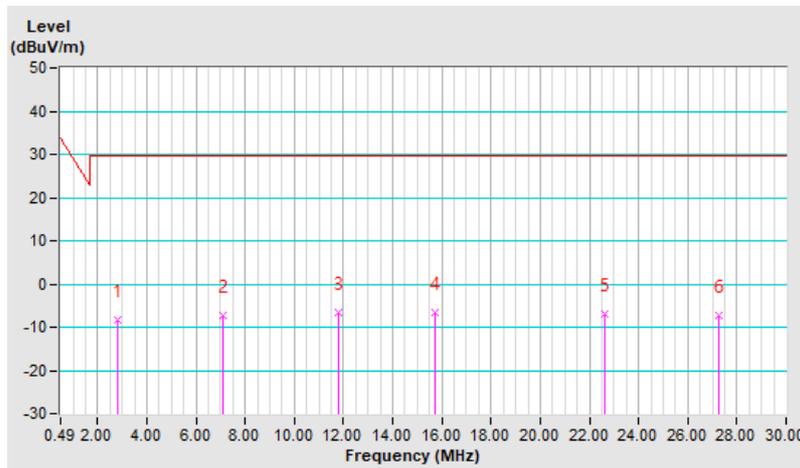


RF Mode	WPT	Channel	CH 1 : 127.7 kHz
Frequency Range	490 kHz ~ 30 MHz	Detector Function & Bandwidth	Quasi-Peak (QP), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	21.3 °C, 66.2% RH
Tested By	Vincent Chen		

Antenna Polarity : Ground-parallel								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2.8213	-8.4 QP	29.5	-37.9	1.00	55	12.0	-20.4
2	7.1002	-7.4 QP	29.5	-36.9	1.00	312	11.6	-19.0
3	11.8218	-6.5 QP	29.5	-36.0	1.00	194	12.1	-18.6
4	15.7172	-6.5 QP	29.5	-36.0	1.00	170	11.9	-18.4
5	22.6520	-7.1 QP	29.5	-36.6	1.00	87	11.2	-18.3
6	27.2851	-7.3 QP	29.5	-36.8	1.00	273	11.0	-18.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + Distance Factor
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. The test distance for 0.49 ~ 30 MHz is 3 m, extrapolate the measured field strength to a distance of 30 meters.  
Distance factor@3 m =  $40 \cdot \log(3/30) = -40$  dB



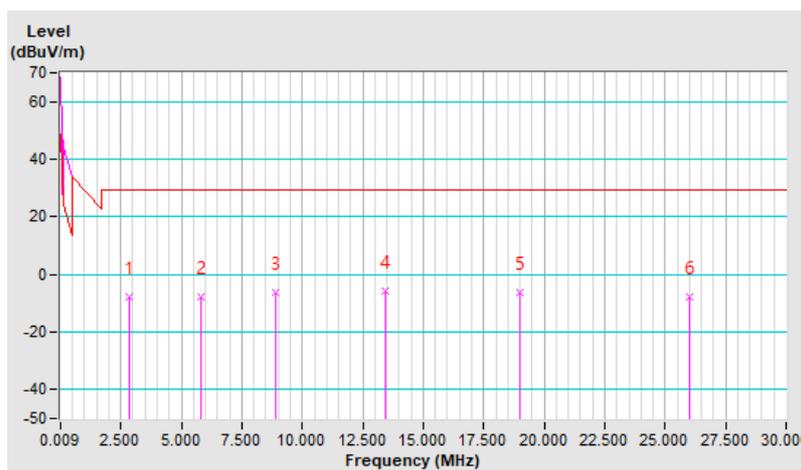
Mode B (Standby Mode)

RF Mode	Standby		
Frequency Range	9 kHz ~ 150 kHz; 150 kHz ~ 30 MHz	Detector Function & Bandwidth	Quasi-Peak (QP), 200 Hz; Quasi-Peak (QP), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	21.3 °C, 66.2% RH
Tested By	Vincent Chen		

Antenna Polarity : Parallel								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2.8282	-7.8 QP	29.5	-37.3	1.00	182	12.6	-20.4
2	5.8273	-7.6 QP	29.5	-37.1	1.00	331	11.9	-19.5
3	8.8863	-6.4 QP	29.5	-35.9	1.00	283	12.6	-19.0
4	13.4150	-5.9 QP	29.5	-35.4	1.00	296	12.7	-18.6
5	18.9933	-6.2 QP	29.5	-35.7	1.00	250	12.0	-18.2
6	26.0112	-7.7 QP	29.5	-37.2	1.00	341	10.4	-18.1

Remarks:

- Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
- Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + Distance Factor
- Margin value = Emission Level – Limit value
- The other emission levels were very low against the limit.
- The test distance for 0.49 ~ 30 MHz is 3 m, extrapolate the measured field strength to a distance of 30 meters.  
Distance factor@3 m =  $40 \cdot \log(3/30) = -40$  dB

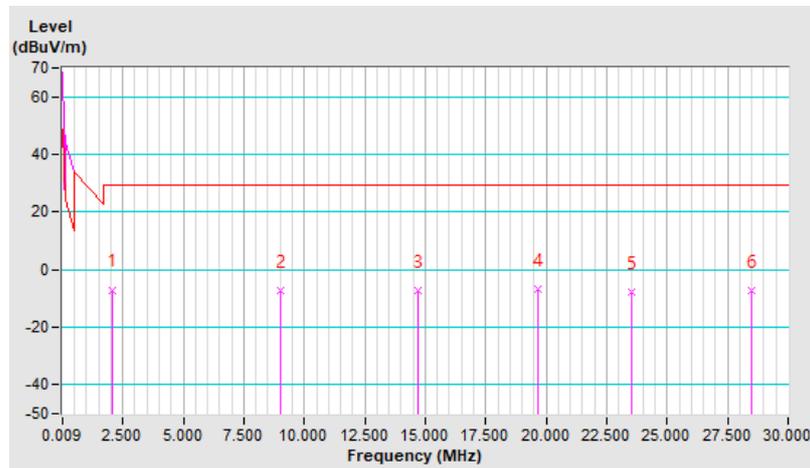


RF Mode	Standby		
Frequency Range	9 kHz ~ 150 kHz; 150 kHz ~ 30 MHz	Detector Function & Bandwidth	Quasi-Peak (QP), 200 Hz; Quasi-Peak (QP), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	21.3 °C, 66.2% RH
Tested By	Vincent Chen		

Antenna Polarity : Perpendicular								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2.0784	-7.0 QP	29.5	-36.5	1.00	268	13.4	-20.4
2	9.0063	-7.4 QP	29.5	-36.9	1.00	72	11.6	-19.0
3	14.7046	-7.5 QP	29.5	-37.0	1.00	349	11.0	-18.5
4	19.6531	-6.6 QP	29.5	-36.1	1.00	229	11.5	-18.1
5	23.5519	-7.6 QP	29.5	-37.1	1.00	199	10.7	-18.3
6	28.4705	-7.5 QP	29.5	-37.0	1.00	216	10.8	-18.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + Distance Factor
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. The test distance for 0.49 ~ 30 MHz is 3 m, extrapolate the measured field strength to a distance of 30 meters.  
Distance factor@3 m =  $40 \cdot \log(3/30) = -40$  dB

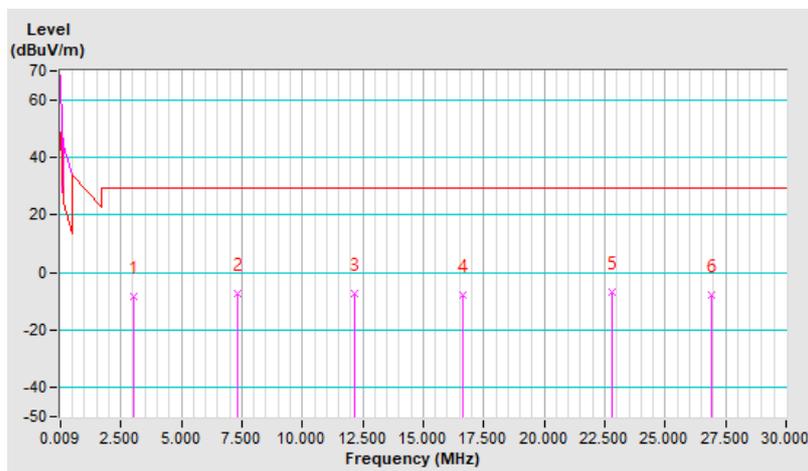


RF Mode	Standby		
Frequency Range	9 kHz ~ 150 kHz; 150 kHz ~ 30 MHz	Detector Function & Bandwidth	Quasi-Peak (QP), 200 Hz; Quasi-Peak (QP), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	21.3 °C, 66.2% RH
Tested By	Vincent Chen		

Antenna Polarity : Ground-parallel								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3.0381	-8.1 QP	29.5	-37.6	1.00	12	12.3	-20.4
2	7.3268	-7.4 QP	29.5	-36.9	1.00	17	11.6	-19.0
3	12.1853	-7.1 QP	29.5	-36.6	1.00	279	11.5	-18.6
4	16.6540	-7.9 QP	29.5	-37.4	1.00	25	10.4	-18.3
5	22.8022	-6.8 QP	29.5	-36.3	1.00	165	11.6	-18.4
6	26.9409	-8.0 QP	29.5	-37.5	1.00	226	10.2	-18.2

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + Distance Factor
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. The test distance for 0.49 ~ 30 MHz is 3 m, extrapolate the measured field strength to a distance of 30 meters.  
Distance factor@3 m =  $40 \cdot \log(3/30) = -40$  dB



Below 1GHz Data:

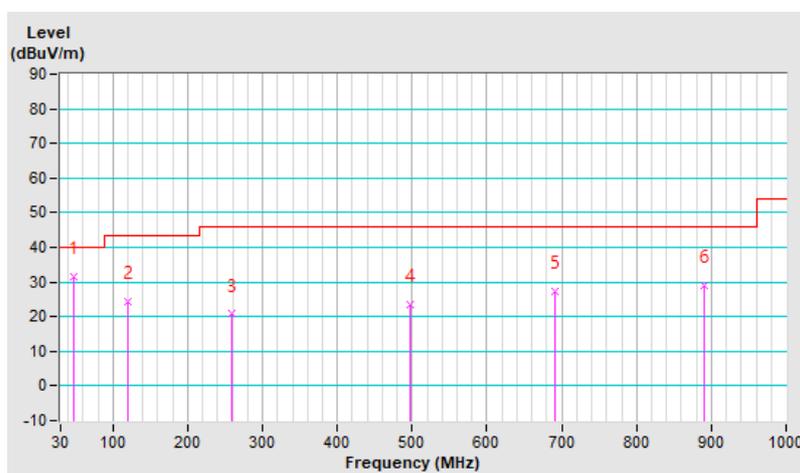
Mode A (Charging Mode)

RF Mode	WPT	Channel	CH 1 : 127.7 kHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120 kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	21.3 °C, 66.2% RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	48.43	31.5 QP	40.0	-8.5	2.00 H	167	44.5	-13.0
2	120.21	24.4 QP	43.5	-19.1	1.50 H	221	39.3	-14.9
3	257.95	20.7 QP	46.0	-25.3	1.00 H	183	34.5	-13.8
4	497.54	23.3 QP	46.0	-22.7	1.00 H	14	30.7	-7.4
5	690.57	27.2 QP	46.0	-18.8	2.00 H	202	30.5	-3.3
6	891.36	28.9 QP	46.0	-17.1	2.00 H	15	29.2	-0.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.

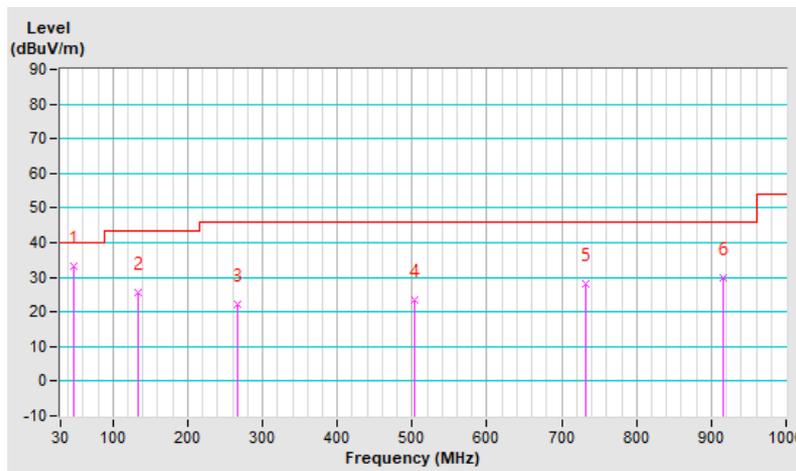


RF Mode	WPT	Channel	CH 1 : 127.7 kHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120 kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	21.3 °C, 66.2% RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	48.43	33.2 QP	40.0	-6.8	1.00 V	136	46.2	-13.0
2	133.79	25.5 QP	43.5	-18.0	2.00 V	64	39.2	-13.7
3	266.68	22.3 QP	46.0	-23.7	1.00 V	328	35.7	-13.4
4	502.39	23.5 QP	46.0	-22.5	1.50 V	20	30.8	-7.3
5	731.31	28.3 QP	46.0	-17.7	1.00 V	134	30.9	-2.6
6	916.58	29.8 QP	46.0	-16.2	1.50 V	298	29.9	-0.1

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.



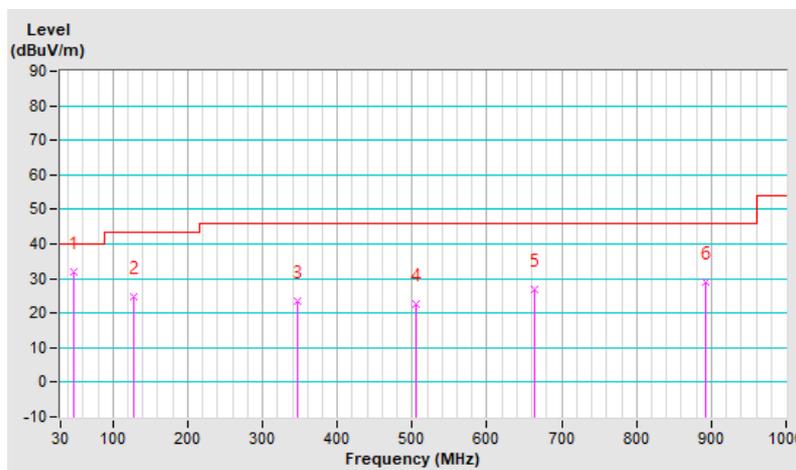
Mode B (Standby Mode)

RF Mode	Standby		
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120 kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	21.3 °C, 66.2% RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	48.43	31.8 QP	40.0	-8.2	2.00 H	243	44.8	-13.0
2	127.00	24.9 QP	43.5	-18.6	1.00 H	226	39.4	-14.5
3	347.19	23.4 QP	46.0	-22.6	1.50 H	18	34.4	-11.0
4	505.30	22.6 QP	46.0	-23.4	2.00 H	136	29.8	-7.2
5	664.38	26.8 QP	46.0	-19.2	1.00 H	280	30.5	-3.7
6	892.33	28.8 QP	46.0	-17.2	1.50 H	4	29.1	-0.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.

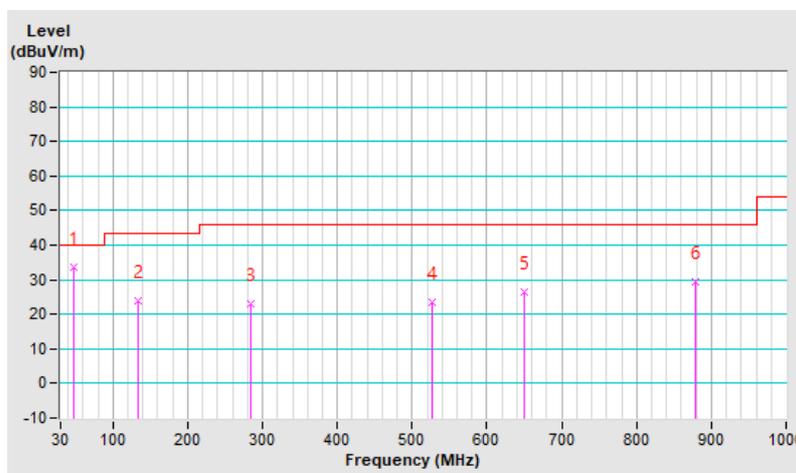


RF Mode	Standby		
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120 kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	21.3 °C, 66.2% RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	48.43	33.7 QP	40.0	-6.3	1.00 V	171	46.7	-13.0
2	132.82	23.7 QP	43.5	-19.8	2.00 V	256	37.5	-13.8
3	284.14	22.9 QP	46.0	-23.1	1.00 V	181	35.4	-12.5
4	527.61	23.6 QP	46.0	-22.4	1.50 V	88	30.4	-6.8
5	650.80	26.4 QP	46.0	-19.6	1.50 V	2	30.2	-3.8
6	879.72	29.2 QP	46.0	-16.8	1.00 V	169	29.8	-0.6

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.



## 4.2 Conducted Emission Measurement

### 4.2.1 Limits of Conducted Emission Measurement

Frequency (MHz)	Conducted Limit (dBuV)	
	Quasi-peak	Average
0.15 - 0.5	66 - 56	56 - 46
0.50 - 5.0	56	46
5.0 - 30.0	60	50

Note: 1. The lower limit shall apply at the transition frequencies.

2. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

### 4.2.2 Test Instruments

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
50 ohm terminal resistance	E1-011279	04	2024/11/28	2025/11/27
	E1-011280	05	2024/11/28	2025/11/27
	E1-011311	09	2024/11/28	2025/11/27
DC-LISN Schwarzbeck	NNBM 8126G	8126G-069	2024/11/5	2025/11/4
Diode Pulse Limiter Schwarzbeck	VTSD 9561 F-N	01617	2025/4/27	2026/4/26
EMI Test Receiver R&S	ESR3	102783	2024/12/17	2025/12/16
LISN R&S	ESH2-Z5	100100	2025/3/5	2026/3/4
	ESH3-Z5	100312	2024/9/9	2025/9/8
RF Coaxial Cable Woken	5D-FB	Cable-cond2-01	2024/8/25	2025/8/24
Software BVADT	BVADT_Cond_ V7.4.1.0	N/A	N/A	N/A
V-LISN Schwarzbeck	NNBL 8226-2	8226-142	2024/8/28	2025/8/27

Note: 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

2. The test was performed in HY - Conduction 2.

3. Tested Date: 2025/8/5

#### 4.2.3 Test Procedures

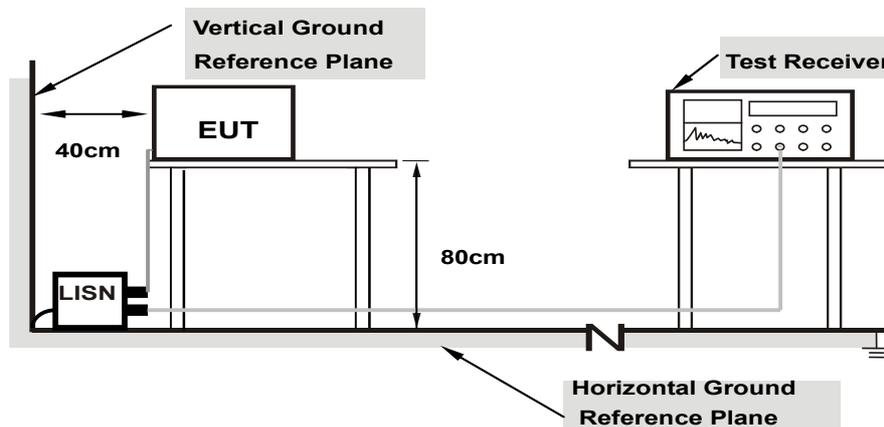
- The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50uH of coupling impedance for the measuring instrument.
- Both lines of the power mains connected to the EUT were checked for maximum conducted interference.
- The frequency range from 150kHz to 30MHz was searched. Emission levels under (Limit - 20dB) were not recorded.

**NOTE:** The resolution bandwidth and video bandwidth of test receiver is 9kHz for quasi-peak detection (QP) and average detection (AV) at frequency 0.15MHz-30MHz.

#### 4.2.4 Deviation from Test Standard

No deviation.

#### 4.2.5 Test Setup



**Note:** 1.Support units were connected to second LISN.

For the actual test configuration, please refer to the attached file (Test Setup Photo).

#### 4.2.6 EUT Operating Conditions

Same as 4.1.6.

#### 4.2.7 Test Results

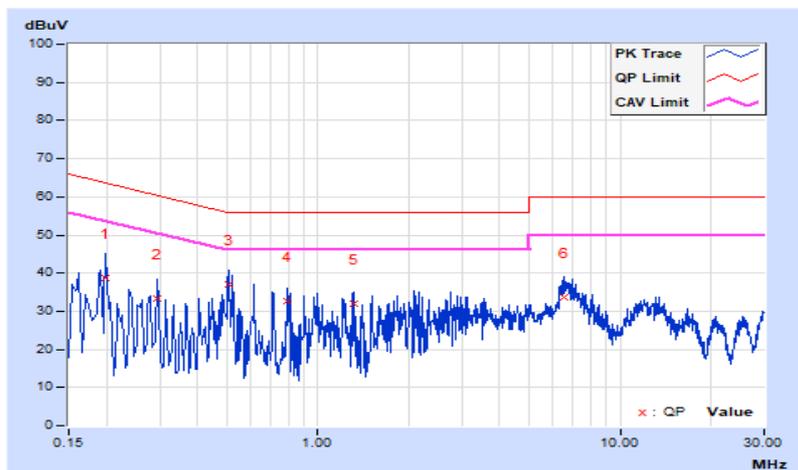
##### Mode A (Charging Mode)

RF Mode	WPT	Channel	CH 1 : 127.7 kHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Rex Wang		

Phase Of Power : Line (L)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.19800	10.33	28.49	13.57	38.82	23.90	63.69	53.69	-24.87	-29.79
2	0.29400	10.34	23.01	9.81	33.35	20.15	60.41	50.41	-27.06	-30.26
3	0.51000	10.37	26.76	12.29	37.13	22.66	56.00	46.00	-18.87	-23.34
4	0.79000	10.41	22.21	3.82	32.62	14.23	56.00	46.00	-23.38	-31.77
5	1.32190	10.46	21.37	6.27	31.83	16.73	56.00	46.00	-24.17	-29.27
6	6.51800	10.60	22.95	11.31	33.55	21.91	60.00	50.00	-26.45	-28.09

##### Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level – Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value

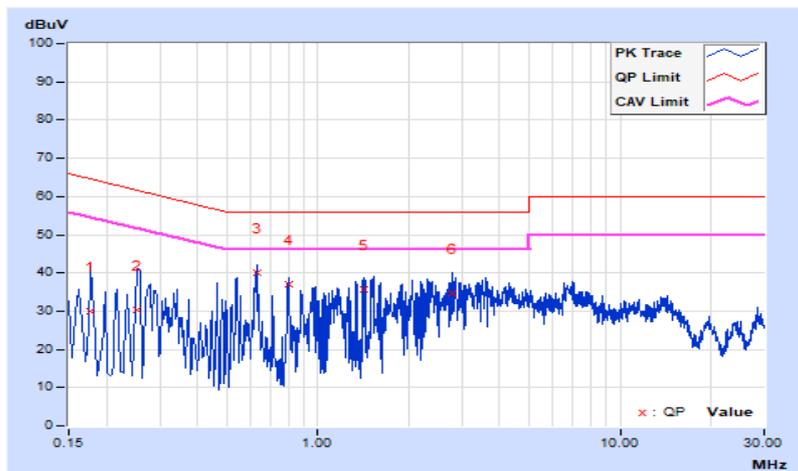


RF Mode	WPT	Channel	CH 1 : 127.7 kHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Rex Wang		

Phase Of Power : Neutral (N)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.17800	10.35	19.69	5.16	30.04	15.51	64.58	54.58	-34.54	-39.07
2	0.25400	10.37	19.83	5.14	30.20	15.51	61.63	51.63	-31.43	-36.12
<b>3</b>	<b>0.63400</b>	<b>10.42</b>	<b>29.56</b>	<b>16.80</b>	<b>39.98</b>	<b>27.22</b>	<b>56.00</b>	<b>46.00</b>	<b>-16.02</b>	<b>-18.78</b>
4	0.80200	10.44	26.54	11.39	36.98	21.83	56.00	46.00	-19.02	-24.17
5	1.42600	10.49	25.18	8.10	35.67	18.59	56.00	46.00	-20.33	-27.41
6	2.79000	10.56	24.26	8.92	34.82	19.48	56.00	46.00	-21.18	-26.52

Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level – Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value



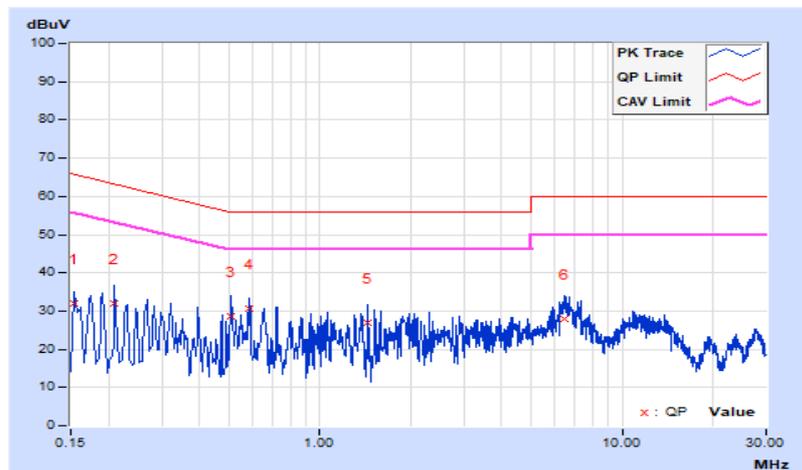
Mode B (Standby Mode)

RF Mode	Standby		
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Rex Wang		

Phase Of Power : Line (L)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15400	10.29	21.67	6.01	31.96	16.30	65.78	55.78	-33.82	-39.48
2	0.21000	10.33	21.76	6.06	32.09	16.39	63.21	53.21	-31.12	-36.82
3	0.51000	10.37	18.14	3.07	28.51	13.44	56.00	46.00	-27.49	-32.56
4	0.58600	10.38	20.26	6.96	30.64	17.34	56.00	46.00	-25.36	-28.66
5	1.44198	10.47	16.37	1.27	26.84	11.74	56.00	46.00	-29.16	-34.26
6	6.46200	10.60	17.39	4.92	27.99	15.52	60.00	50.00	-32.01	-34.48

Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level – Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value

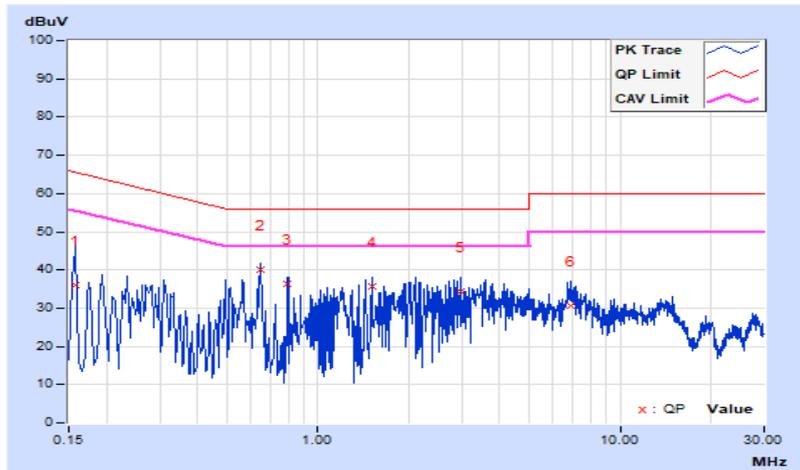


RF Mode	Standby		
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Rex Wang		

Phase Of Power : Neutral (N)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15800	10.34	25.83	9.25	36.17	19.59	65.57	55.57	-29.40	-35.98
2	0.64600	10.42	29.50	17.83	39.92	28.25	56.00	46.00	-16.08	-17.75
3	0.79709	10.44	26.06	12.89	36.50	23.33	56.00	46.00	-19.50	-22.67
4	1.51400	10.49	25.27	10.49	35.76	20.98	56.00	46.00	-20.24	-25.02
5	2.97000	10.57	23.91	8.39	34.48	18.96	56.00	46.00	-21.52	-27.04
6	6.91400	10.69	19.89	5.38	30.58	16.07	60.00	50.00	-29.42	-33.93

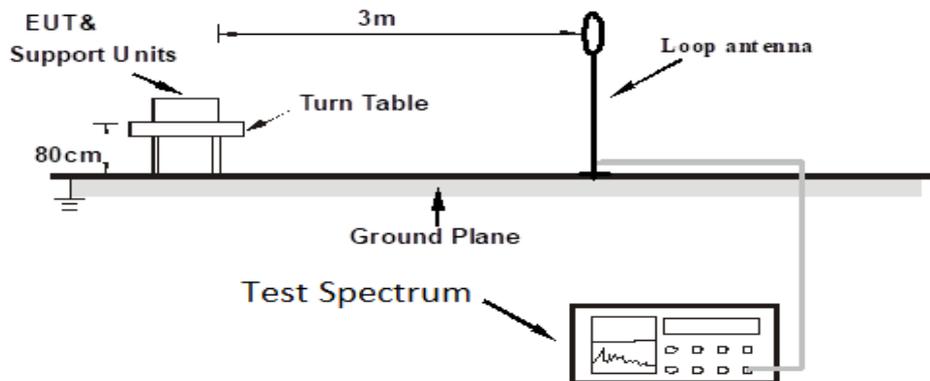
Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level – Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value



### 4.3 20dB Bandwidth Measurement

#### 4.3.1 Test Setup



#### 4.3.2 Test Instruments

Refer to section 4.1.2 to get information of above instrument.

#### 4.3.3 Test Procedure

- The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter Semi-anechoic chamber room. The table was rotated 360 degrees to determine the position of the highest radiation. Then the Loop antenna was rotated 360 degrees to determine the position of the highest radiation.
- The antenna is a broadband loop antenna, which is fixed of a 1m height above the ground, and set away from 3m to the EUT to find the disturbance reading on each frequency.
- The test-spectrum system was set to peak detect function and specified bandwidth.

#### 4.3.4 Deviation from Test Standard

No deviation.

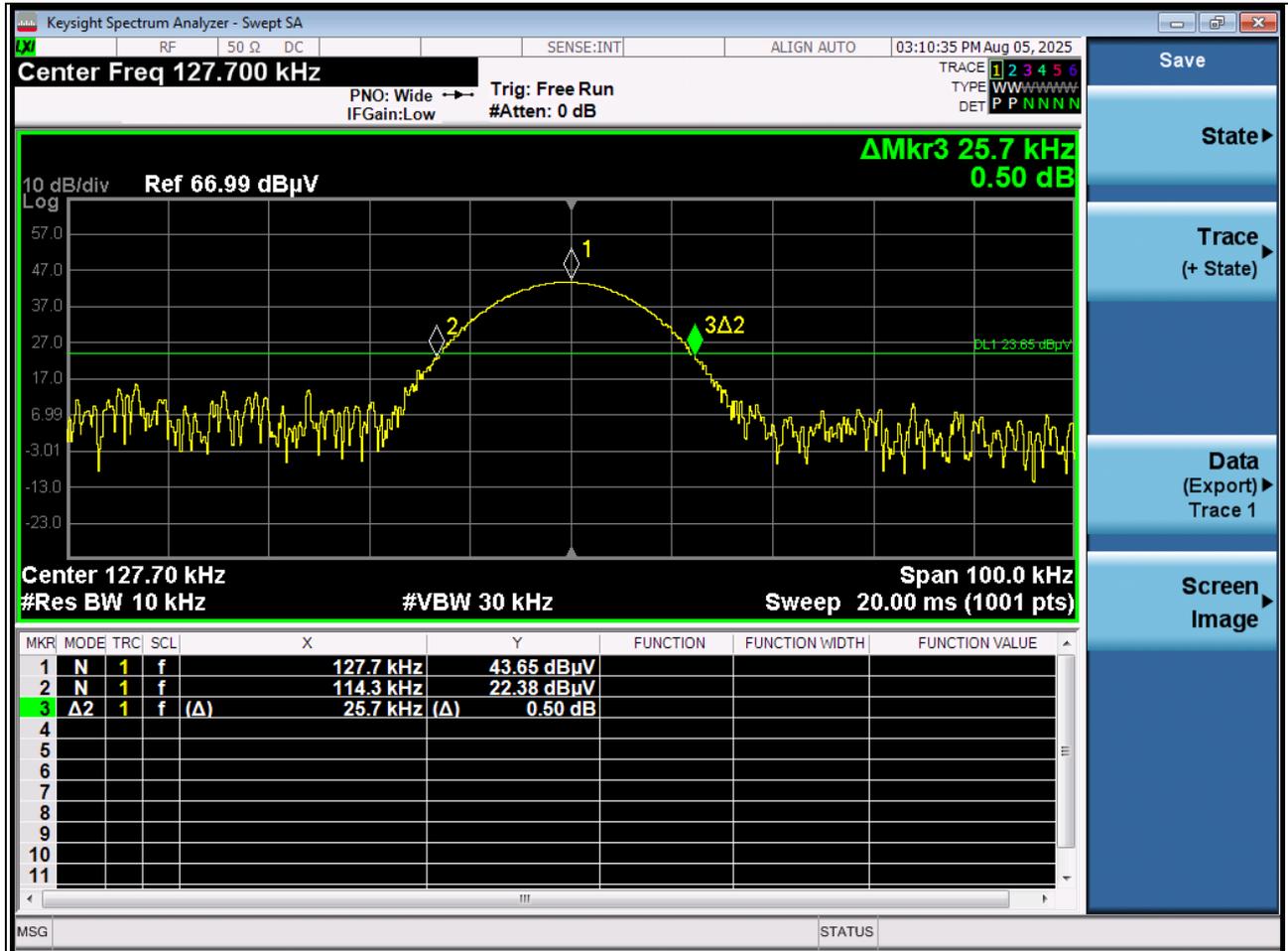
#### 4.3.5 EUT Operating Conditions

The software provided by client to enable the EUT under transmission condition continuously.

### 4.3.6 Test Results

#### Test Mode A

Frequency (kHz)	20dB Bandwidth (kHz)	Pass / Fail
127.7	25.7	Pass



Note: The signal look like CW signal, so RBW can't be match 1~5 % OBW.

## 5 Pictures of Test Arrangements

Please refer to the attached file (Test Setup Photo).

## Appendix – Information of the Testing Laboratories

We, Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch, were founded in 1988 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are FCC recognized accredited test firms and accredited and approved according to ISO/IEC 17025.

If you have any comments, please feel free to contact us at the following:

### Lin Kou EMC/RF Lab

Tel: 886-2-26052180

Fax: 886-2-26051924

### Hsin Chu EMC/RF/Telecom Lab

Tel: 886-3-6668565

Fax: 886-3-6668323

### Hwa Ya EMC/RF/Safety Lab

Tel: 886-3-3183232

Fax: 886-3-3270892

**Email:** [service.adt@tw.bureauveritas.com](mailto:service.adt@tw.bureauveritas.com)

**Web Site:** <http://ee.bureauveritas.com.tw>

The address and road map of all our labs can be found in our web site also.

--- END ---