



1100 E Chalk Creek Rd,  
Coalville, UT 84017  
(435) 336-4433

## Test Report

|                              |                                         |
|------------------------------|-----------------------------------------|
| <b>Equipment Under Test</b>  | GWL1400 (VWL1400 - auxiliary equipment) |
| <b>Test Report Serial No</b> | UT66100C-004                            |
| <b>Date of Test</b>          | April 24, 2026                          |
| <b>Report Issue Date</b>     | April 29, 2026                          |

|                             |                                                                            |
|-----------------------------|----------------------------------------------------------------------------|
| <b>Test Specifications:</b> | <b>Applicant:</b>                                                          |
| FCC Part 18                 | WiTricity AI Tech, LLC<br>3322 SE Gran Park Way<br>Stuart, FL 34997 U.S.A. |

## Certification of Engineering Report

This report has been prepared by DNB Engineering, Inc. to document compliance of the device described below with the requirements of Federal Communications Commission (FCC) Part 18. This report may be reproduced in full. Partial reproduction of this report may only be made with the written consent of the laboratory. The results in this report apply only to the sample tested.

|                     |                          |
|---------------------|--------------------------|
| <b>Applicant</b>    | WiTricity AI Tech, LLC   |
| <b>Manufacturer</b> | WiTricity AI Tech, LLC   |
| <b>Brand Name</b>   | WiTricity AI Tech, LLC   |
| <b>Model Number</b> | GWL1400 (VWL1400 - aux.) |
| <b>FCC ID</b>       | 2BFEF-GWL1400            |

On this 29<sup>th</sup> day of April 2026, I, individually and for DNB Engineering, Inc., certify that the statements made in this engineering report are true, complete, and correct to the best of my knowledge, and are made in good faith.

Although NVLAP has accredited the DNB Engineering, Inc. EMC testing facilities, this report must not be used to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government.

DNB Engineering, Inc.



Tested by: Yancey Staples



Reviewed by: Les Payne

| Revision History |                                                                       |                   |
|------------------|-----------------------------------------------------------------------|-------------------|
| Revision         | Description                                                           | Date              |
| 01               | Original Report Release                                               | April 29, 2026    |
| 02               | Revised by Les Payne per FCC RAI response; see RFI reply for details. | August 31, 2026   |
| 03               | Corrected test lab registration number; see RFI reply for details.    | September 1, 2026 |
| 04               | Replaced typed Yancey Staples signature with a handwritten signature. | September 2, 2026 |

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## 1 Client Information

### 1.1 Applicant

|                     |                                                                                  |
|---------------------|----------------------------------------------------------------------------------|
| <b>Company Name</b> | WiTricity AI Tech,<br>LLC 3322 SE Gran<br>Park Way<br>Stuart, FL 34997<br>U.S.A. |
| <b>Contact Name</b> | Ky Sealy                                                                         |
| <b>Title</b>        | VP, Engineering                                                                  |

### 1.2 Manufacturer

|                     |                                                                                  |
|---------------------|----------------------------------------------------------------------------------|
| <b>Company Name</b> | WiTricity AI Tech,<br>LLC 3322 SE Gran<br>Park Way<br>Stuart, FL 34997<br>U.S.A. |
| <b>Contact Name</b> | Ky Sealy                                                                         |
| <b>Title</b>        | VP, Engineering                                                                  |

### 1.3 Party Responsible for Compliance

|                                                                                                                                             |  |
|---------------------------------------------------------------------------------------------------------------------------------------------|--|
| Not Applicable — this filing is submitted for certification, not a Suppliers Declaration of Conformity (SDoC). See Section 1.1 (Applicant). |  |
|                                                                                                                                             |  |
|                                                                                                                                             |  |

## 2 Equipment Under Test (EUT)

### 2.1 Identification of EUT

|                       |                                                            |
|-----------------------|------------------------------------------------------------|
| <b>Brand Name</b>     | WiTricity                                                  |
| <b>Model Name</b>     | WiTricity MR/1 600 W Power Hub and WiTricity MR/1 Receiver |
| <b>Model Number</b>   | GWL1400 (VWL1400 - auxiliary equipment)                    |
| <b>Serial Number</b>  | GWL1400 10013253400007 (Power Hub)                         |
|                       | VWL1400 10013253400003 (Receiver)                          |
| <b>Dimensions (m)</b> | 1.6 x 1.6 x 0.26      Power Hub w/ Receiver                |

### 2.2 Description of EUT

The WiTricity MR/1 Power Hub and WiTricity MR/1 Receiver work as a power transfer system for charging electric vehicle batteries. The nominal operating frequency of the wireless power transfer system is 85 kHz.

### 2.3 EUT and Support Equipment

The EUT and support equipment used during the test are listed below.

| <b>Brand Name<br/>Model Number<br/>Serial Number</b>                  | <b>Description</b>  | <b>Name of Interface Ports /<br/>Interface Cables</b> |
|-----------------------------------------------------------------------|---------------------|-------------------------------------------------------|
| BN: WiTricity<br>MN: GWL1400 (Note 1)<br>SN:<br>GWL140010013253400007 | Power Transfer Unit | None                                                  |
| BN: WiTricity<br>MN: VWL1400 (Note 3)<br>SN:<br>VWL140010013253400003 | Power Receive Unit  | See Section 2.4                                       |
| BN: BK Precision<br>MN: 9110<br>SN: N/A                               | DC Power Supply     | DC Output (battery emulator)                          |
| BN: BK Precision<br>MN: 8514B<br>SN: N/A                              | DC Electronic Load  | PRU Monitor<br>/ Load<br>(Note 2)                     |

Notes: (1) EUT

(2) Interface port connected to EUT (See Section 2.4)

The support equipment listed above was not modified in order to achieve compliance with this standard.

## **2.4 Interface Ports on EUT**

| <b>Name of Ports</b> | <b>No. of Ports Fitted to EUT</b> | <b>Cable Description/Length</b> |
|----------------------|-----------------------------------|---------------------------------|
| AC Mains In          | 1 of 1                            | Shielded AC Mains Cable, 4.5 m  |
| DC Out (VWL1400)     | 1 of 1                            | Twisted Pair Conductors / 5 m   |

## **2.5 Modification Incorporated/Special Accessories on EUT**

There were no modifications or special accessories required to comply with the specification.

## **2.6 Deviation from Test Standard**

There were no deviations from the test specification.

(3) Auxiliary equipment; VWL1400 (Receive Unit) is used to enable operation of the GWL1400 Power Transfer Unit during testing and is certified separately under FCC ID 2BFEF-VWL1400 (IIA Project 30320-26); it is not itself under test in this report.

### 3 Test Specification, Methods and Procedures

#### 3.1 Test Specification

|                        |                                                              |
|------------------------|--------------------------------------------------------------|
| <b>Title</b>           | FCC Part 18<br>Industrial, Scientific, and Medical Equipment |
| <b>Purpose of Test</b> | The tests were performed to demonstrate initial compliance   |

#### 3.2 Methods & Procedures

##### 3.2.1 §18.301 Operating Frequencies

ISM equipment may be operated on any frequency above 9 kHz except as indicated in §18.303. The following frequency bands, in accordance with §2.106 of the rules, are allocated for use by ISM equipment.

| ISM Frequency Range | Tolerance  |
|---------------------|------------|
| 6.78 MHz            | ±15.0 kHz  |
| 13.56 MHz           | ±7.0 kHz   |
| 27.12 MHz           | ±163.0 kHz |
| 40.68 MHz           | ±20.0 kHz  |
| 915 MHz             | ±13.0 MHz  |
| 2,450 MHz           | ±50.0 MHz  |
| 5,800 MHz           | ±75.0 MHz  |
| 24,125 MHz          | ±125.0 MHz |
| 61.25 GHz           | ±250.0 MHz |
| 122.50 GHz          | ±500.0 MHz |
| 245.00 GHz          | ±1.0 GHz   |

Note: The use of the 6.78 MHz ±15.0 kHz frequency band is subject to the conditions of footnote 524 of the Table of Allocations. See §2.106.

Table 1: Operating Frequencies

##### 3.2.2 §18.303 Prohibited Frequency Bands

Operation of ISM equipment within the following safety, search and rescue frequency bands is prohibited: 490 – 510 kHz, 2170 – 2194 kHz, 8354 – 8374 kHz, 121.4 – 121.6 MHz, 156.7 – 156.9 MHz, and 242.8 – 243.2 MHz.

##### 3.2.3 §18.305 Field Strength Limits

- ISM equipment operating on a frequency specified in §18.301 is permitted unlimited radiated energy in the band specified for that frequency.
- The field strength levels of emissions which lie outside the bands specified in 18.301, unless otherwise indicated, shall not exceed the following.

| Equipment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Operating Frequency   | RF Power Generated by Equipment (Watts) | Field Strength Limit ( $\mu\text{V}/\text{M}$ )             | Distance (Meters) |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------------------------|-------------------------------------------------------------|-------------------|
| Any type unless otherwise specified (Miscellaneous)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Any ISM frequency     | Below 500                               | 25                                                          | 300               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                       | 500 or more                             | $25 \times \text{SQRT}(\text{power}/500)$                   | <sup>1</sup> 300  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Any non-ISM frequency | Below 500                               | 15                                                          | 300               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                       | 500 or more                             | $15 \times \text{SQRT}(\text{power}/500)$                   | <sup>1</sup> 300  |
| Industrial heaters and RF stabilized arc welders                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | On or below 5,725 MHz | Any                                     | 10                                                          | 1600              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Above 5,725 MHz       | Any                                     | <sup>(2)</sup>                                              | <sup>(2)</sup>    |
| Medical diathermy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Any ISM frequency     | Any                                     | 25                                                          | 300               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Any non-ISM frequency | Any                                     | 15                                                          | 300               |
| Ultrasonic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Below 490 kHz         | Below 500                               | $2,400/\text{F (kHz)}$                                      | 300               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                       | 500 or more                             | $2,400/\text{F (kHz)} \times \text{SQRT}(\text{power}/500)$ | <sup>3</sup> 300  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 490 to 1,600 kHz      | Any                                     | $24,000/\text{F (kHz)}$                                     | 30                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Above 1,600 kHz       | Any                                     | 15                                                          | 30                |
| Induction cooking ranges                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Below 90 kHz          | Any                                     | 1,500                                                       | <sup>4</sup> 30   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | On or above 90 kHz    | Any                                     | 300                                                         | <sup>4</sup> 30   |
| <sup>1</sup> Field strength may not exceed 10 $\mu\text{V}/\text{m}$ at 1600 meters. Consumer equipment operating below 1000 MHz is not permitted the increase in field strength otherwise permitted here for power over 500 watts.<br><sup>2</sup> Reduced to the greatest extent possible.<br><sup>3</sup> Field strength may not exceed 10 $\mu\text{V}/\text{m}$ at 1600 meters. Consumer equipment is not permitted the increase in field strength otherwise permitted here for power over 500 watts.<br><sup>4</sup> Induction cooking ranges manufactured prior to February 1, 1980, shall be subject to the field strength limits for miscellaneous ISM equipment. |                       |                                         |                                                             |                   |

**Table 2: Field Strength Limits**

- c) The field strength limits for RF lighting devices shall be the following.

| Frequency (MHz)        | Field Strength Limit at 30 meters (μV/M) |
|------------------------|------------------------------------------|
| Non-consumer equipment |                                          |
| 30 – 88                | 30                                       |
| 88 – 216               | 50                                       |
| 216 – 1000             | 70                                       |
| Consumer equipment     |                                          |
| 30 – 88                | 10                                       |
| 88 – 216               | 15                                       |
| 216 – 1000             | 20                                       |

**Table 3: RF Lighting Field Strength Limits**

1. The tighter limit shall apply at the boundary between two frequency ranges.
2. Testing for compliance with these limits may be made at closer distances, provided a sufficient number of measurements are taken to plot the radiation pattern to determine the major lobes of radiation, and to determine the expected field strength level at 30, 300, or 1600 meters. Alternately, if measurements are made at only one closer fixed distance, then the permissible field strength limits shall be adjusted using a 1/d as an attenuation factor.

### 3.2.4 §18.307 Conduction Limits

For the following equipment, when designed to be connected to the public utility (AC) power line the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies shall not exceed the limits in the following tables. Compliance with the provisions of this paragraph shall be based on the measurement of the radio frequency voltage between each power line and ground at the power terminal using a 50 μH/50 ohms line impedance stabilization network (LISN).

- (a) All Induction cooking ranges and ultrasonic equipment:

| Frequency range (MHz) | Conducted Limits (dBμV) |           |
|-----------------------|-------------------------|-----------|
|                       | Quasi-peak              | Average   |
| 0.009 – 0.05          | 110                     | ---       |
| 0.05 – 0.15           | 90 – 80*                | ---       |
| 0.15 – 0.5            | 66 to 56*               | 56 to 46* |
| 0.5 – 5               | 56                      | 46        |
| 5 - 30                | 60                      | 50        |

\*Decreases with the logarithm of the frequency.

**Table 4: Limits for conducted emissions all induction cooking ranges and ultrasonic equipment.**

- (b) All other part 18 consumer devices.

| Frequency range (MHz) | Conducted Limit (dBμV) |           |
|-----------------------|------------------------|-----------|
|                       | Quasi-peak             | Average   |
| 0.15 to 0.50*         | 66 to 56*              | 56 to 46* |
| 0.50 to 5             | 56                     | 46        |
| 5 to 30               | 60                     | 50        |

\*Decreases with the logarithm of the frequency.

**Table 5: Limits for conducted emissions all other part 18 consumer devices.**

(c) RF lighting devices.

| Frequency of Emission (MHz) |              | Maximum RF line voltage measured with a 50 μH/50Ω LISN (μV) |
|-----------------------------|--------------|-------------------------------------------------------------|
| Non-consumer equipment      | 0.45 to 1.6  | 1,000                                                       |
|                             | 1.6 to 30    | 3,000                                                       |
| Consumer equipment          | 0.45 to 2.51 | 250                                                         |
|                             | 2.51 to 3.0  | 3,000                                                       |
|                             | 3.0 to 30    | 250                                                         |

**Table 6: Limits of conducted emissions RF lighting devices.**

- (d) If testing with a quasi-peak detector demonstrates that the equipment complies with the average limits specified in the appropriate table in this section, additional testing to demonstrate compliance using an average detector is not required.
- (e) These conduction limits shall apply only outside of the frequency bands specified in §18.301.
- (f) For ultrasonic equipment, compliance with the conducted limits shall preclude the need to show compliance with the field strength limits below 30 MHz unless requested by the Commission.
- (g) The tighter limits shall apply at the boundary between two frequency ranges.

### 3.2.5 §18.309 Frequency Range of Measurements

- (a) For field strength measurements.

| Frequency Band In Which Device Operates (MHz) | Range of Frequency Measurements                                         |                                                  |
|-----------------------------------------------|-------------------------------------------------------------------------|--------------------------------------------------|
|                                               | Lowest Frequency                                                        | Highest Frequency                                |
| Below 1.705                                   | Lowest frequency generated in the device, but not lower than 9 kHz      | 30 MHz                                           |
| 1.705 to 30                                   | Lowest frequency generated in the device, but not lower than 9 kHz      | 400 MHz                                          |
| 30 to 500                                     | Lowest frequency generated in the device or 25 MHz, whichever is lower  | Tenth harmonic or 1,000 MHz, whichever is higher |
| 500 to 1,000                                  | Lowest frequency generated in the device or 100 MHz, whichever is lower | Tenth harmonic                                   |
| Above 1,000                                   | ..... do                                                                | Tenth harmonic or highest detectable emission    |

**Table 7: Frequency Range of Measurements.**

- (b) For conducted power line measurements, the frequency range over which the limits are specified will be scanned.

### **3.2.6 §18.311 Methods of Measurement**

The measurement techniques which will be used by the FCC to determine compliance with the technical requirements for this part are set out in FCC Measurement Procedure MP-5, “Methods of Measurements of Radio Noise Emissions from ISM equipment”. Although the procedures in MP-5 are not mandated, manufacturers are encouraged to follow the same techniques which will be used by the FCC.

## **3.3 Test Procedure**

The emission testing was performed according to the procedures in FCC MP-5, Methods of Measurements of Radio Noise Emissions from ISM Equipment and ANSI C63.30. DNB Engineering, Inc. performed the testing at its facility located at 1100 E. Chalk Creek Road, Coalville, UT 84017. DNB Engineering, Inc. is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP); NVLAP Lab Code: 200634-0. DNB Engineering, Inc. FCC Test Site Registration Number is 735001 (Designation Number: US5351), with NVLAP accreditation/registration expiring 02/09/2027.

## 4 Operation of EUT During Testing

### 4.1 Operating Environment

|                    |         |
|--------------------|---------|
| Power Supply       | 120 VAC |
| AC Mains Frequency | 60 Hz   |

### 4.2 Operating Modes

Each mode of operation was exercised to produce worst-case emissions. The EUT, a Power Transfer Unit (PTU) was tested in standby, and while transferring power at the best-case and worst-case power transfer coupling positions. The highest radiated emissions were found with the Power Receive Unit (PRU) at its worst-case power transfer coupling position. EUT is floor-standing and was tested in a single orthogonal orientation. The AC Mains Cable was bundled in accordance with measurement practices. The separation distance for the PRU was found to be worst at 14 cm from the PTU (20 cm from bottom of PTU / ground).

### 4.3 EUT Exercise Software

WiTricity Firmware was used to exercise the EUT.

### 4.4 Block Diagram of Test Configuration

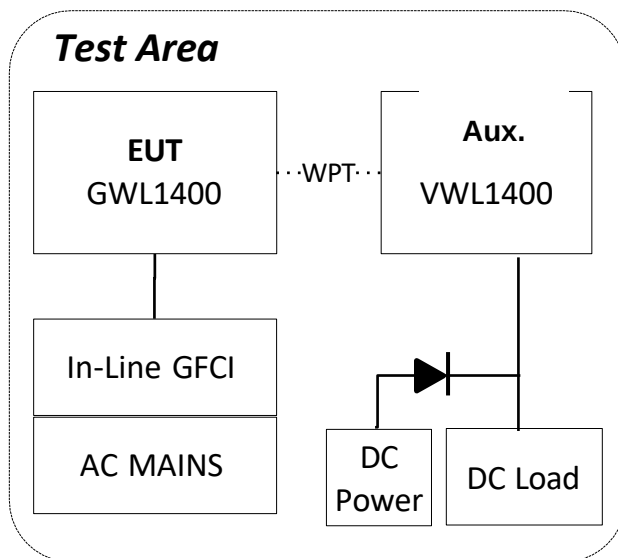


Diagram 1: Test Configuration Block Diagram

## 5 Summary of Test Results

### 5.1 FCC Part 18

#### 5.1.1 Summary of Tests

| Port      | Test Description                             | Frequency Range (MHz) | Result   |
|-----------|----------------------------------------------|-----------------------|----------|
| AC Power  | Conducted Emissions (Hot Lead to Ground)     | 0.009 to 30           | N/A      |
| AC Power  | Conducted Emissions (Neutral Lead to Ground) | 0.009 to 30           | N/A      |
| Enclosure | Radiated Emissions (Parallel Polarity)       | 0.009 to 30           | Complied |
| Enclosure | Radiated Emissions (Perpendicular Polarity)  | 0.009 to 30           | Complied |

### 5.2 Result

In the configuration tested, the EUT complied with the requirements of the specification. The EUT is non-consumer ISM equipment and is not an induction cooking range, ultrasonic device, or RF lighting device; the conducted emission limits of §18.307 therefore do not apply, and conducted emissions at the mains ports are reported as N/A.

## 6 Measurements, Examinations and Derived Results

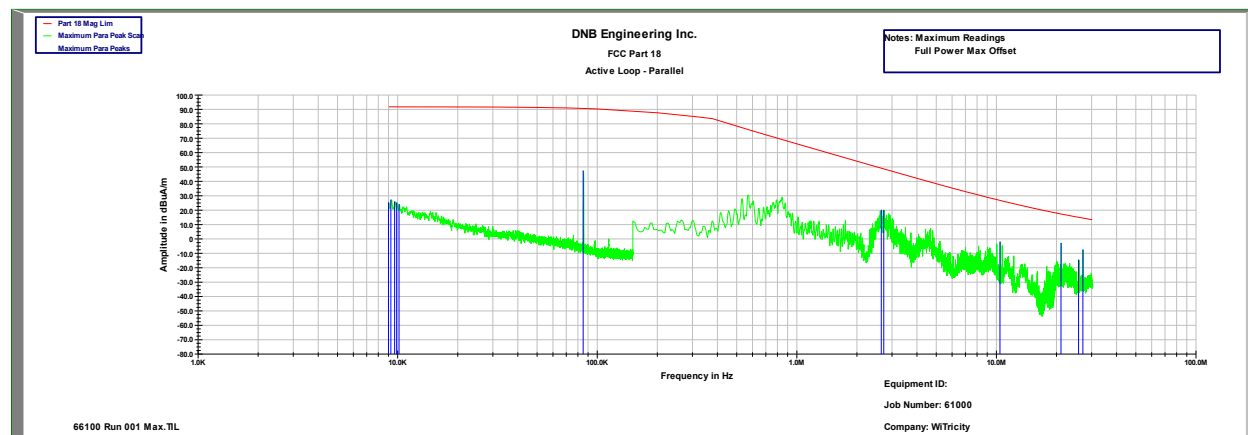
### 6.1 General Comments

This section contains the test results only. Details of the test methods used and a list of the test equipment used during the measurements can be found in Section 7 of this report.

#### 6.1.1 Radiated Emissions Data (Parallel Polarity)

| Frequency    | Angle | Corrected Max | Limit    | Delta   |
|--------------|-------|---------------|----------|---------|
| Hz           | °     | (dBμA/m)      | (dBμA/m) | (dB)    |
| 9000.000     | 020   | 25.468        | 92.008   | -66.540 |
| 9246.750     | 240   | 27.307        | 92.007   | -64.700 |
| 9652.130     | 220   | 26.024        | 92.005   | -65.981 |
| 9881.250     | 300   | 25.310        | 92.004   | -66.694 |
| 10163.300    | 260   | 24.190        | 92.002   | -67.812 |
| 84999.000    | 060   | 47.460        | 90.930   | -43.470 |
| 2649940.000  | 260   | 20.166        | 49.636   | -29.470 |
| 2728290.000  | 080   | 20.146        | 49.089   | -28.943 |
| 10429600.000 | 040   | -1.864        | 26.958   | -28.822 |
| 21086000.000 | 140   | -2.765        | 17.559   | -20.324 |
| 25798600.000 | 100   | -14.420       | 15.249   | -29.669 |
| 27115700.000 | 320   | -7.352        | 14.701   | -22.053 |

Note 1: The reference detector used for the measurements was peak and the data was compared to the quasi-peak limit.



### Result

The EUT worst-case emission was 20.324 dB below the limit and is therefore compliant.

### 6.1.2 Radiated Emissions Data (Perpendicular Polarity)

| Frequency<br>Hz | Angle<br>° | Corrected Max<br>(dBμA/m) | Limit<br>(dBμA/m) | Delta<br>(dB) |
|-----------------|------------|---------------------------|-------------------|---------------|
| 9246.750        | 320        | 28.937                    | 92.007            | -63.070       |
| 9546.380        | 140        | 26.184                    | 92.005            | -65.821       |
| 10251.400       | 100        | 25.491                    | 92.002            | -66.511       |
| 10357.100       | 160        | 27.241                    | 92.001            | -64.760       |
| 10410.000       | 160        | 24.981                    | 92.001            | -67.020       |
| 84999.000       | 140        | 41.943                    | 90.930            | -48.987       |
| 2574940.000     | 040        | 24.220                    | 50.159            | -25.939       |
| 2649190.000     | 320        | 24.741                    | 49.641            | -24.900       |
| 2802750.000     | 280        | 20.308                    | 48.570            | -28.262       |
| 2877000.000     | 160        | 19.881                    | 48.052            | -28.171       |
| 2917500.000     | 300        | 19.198                    | 47.770            | -28.572       |
| 10195700.000    | 040        | 8.364                     | 27.286            | -18.922       |

Note 1: The reference detector used for the measurements was peak and the data was compared to the quasi-peak limit.



### Result

The EUTworst-case emission was 18.922 dB below the limit and is therefore compliant.

## 6.2 Sample Measurement Calculations

### 6.2.1 Field Strength Calculations

The field strength is calculated by adding the *Correction Factor* (*Antenna Factor* + *Cable Factor*), to the measured level from the receiver. The receiver amplitude reading is compensated for any amplifier gain. The basic equation with a sample calculation is shown below:

$$\text{Receiver Amplitude Reading} = \text{Receiver Reading} - \text{Amplifier Gain}$$

$$\text{Correction Factor} = \text{Antenna Factor} + \text{Cable Factor}$$

$$\text{Field Strength} = \text{Receiver Amplitude Reading} + \text{Correction Factor}$$

#### Example

Assuming a *Receiver Reading* of 42.5 dB $\mu$ V is obtained from the receiver, the *Amplifier Gain* is 26.5 dB, the *Antenna Factor* is 4.5 dB, and the *Cable Factor* is 4.0 dB. The *Field Strength* is calculated by subtracting the *Amplifier Gain* and adding the *Correction Factor*, giving a *Field Strength* of 24.5 dB $\mu$ V/m.

$$\text{Receiver Amplitude Reading} = 42.5 - 26.5 = 16.0 \text{ dB}\mu\text{V/m}$$

$$\text{Correction Factor} = 4.5 + 4.0 = 8.5 \text{ dB}$$

$$\text{Field Strength} = 16.0 + 8.5 = 24.5 \text{ dB}\mu\text{V/m}$$

## **6.3 Test Procedures and Test Equipment**

### **6.4 Radiated Emissions**

The radiated emissions from the EUT were measured using a spectrum analyzer with a quasi-peak adapter for peak and quasi-peak readings.

A preamplifier with a fixed gain was used to increase the sensitivity of the measuring instrumentation. For frequencies below 150 kHz, a 200 Hz RBW was used. From 150 kHz to 30 MHz, measurements were made using a 9 kHz RBW.

An active loop antenna was used for measurements of emissions below 30 MHz at a distance of 3 meters from the EUT.

The configuration of the EUT was varied to find the maximum radiated emission. The EUT was connected to the peripherals listed in Section 2.3 via the interconnecting cables listed in Section 2.4. A technician manually manipulated these interconnecting cables to obtain worst-case radiated emissions. The EUT was rotated 360 degrees, and the antenna polarization was modified to find maximum radiated emission. Where there were multiple interface ports all of the same type, cables are either placed on all of the ports or cables added to these ports until the emissions do not increase by more than 2 dB.

Desktop EUT are measured on a non-conducting table 0.8 meters above the ground plane. The table is placed on a turntable, which is level with the ground plane. For equipment normally placed on floors, the equipment shall be placed directly on the turntable with insulating material for separation.

For radiated emissions testing that is performed at distances closer than the specified limit distance; an inverse proportionality factor using ANSI C63.30 was used for calculations of the limits.

| Type of Equipment                     | Manufacturer    | Model Number | Asset Number | Date of Last Calibration | Due Date of Calibration |
|---------------------------------------|-----------------|--------------|--------------|--------------------------|-------------------------|
| Spectrum Analyzer/<br>Signal Analyzer | Rohde & Schwarz | FPL 1003     | U-604        | 10 Mar 2026              | 10 Mar 2028             |
| Loop Antenna                          | A.H. System     | SAS-562B     | 3244         | 2 Apr 2026               | 2 Apr 2027              |
| 3 Meter Radiated Emissions Cable      | DNB             | N/A          | U-400B       | 19 Feb 2026              | 19 Feb 2027             |
| Tile Software                         | ETS Lindgren    | 3.4.K.13     | U-317        | 26 Jul 2025              | 26 Jul 2027             |

**Table 9: List of equipment used for radiated emissions testing.**

All the equipment listed above is calibrated using either an independent calibration laboratory or DNB Engineering, Inc. personnel at intervals defined in ANSI C63.4:2014 following outlined calibration procedures. All measurement instrumentation is traceable to the National Institute of Standards and Technology (NIST). Supporting documentation relative to traceability is on file and is available for examination upon request.

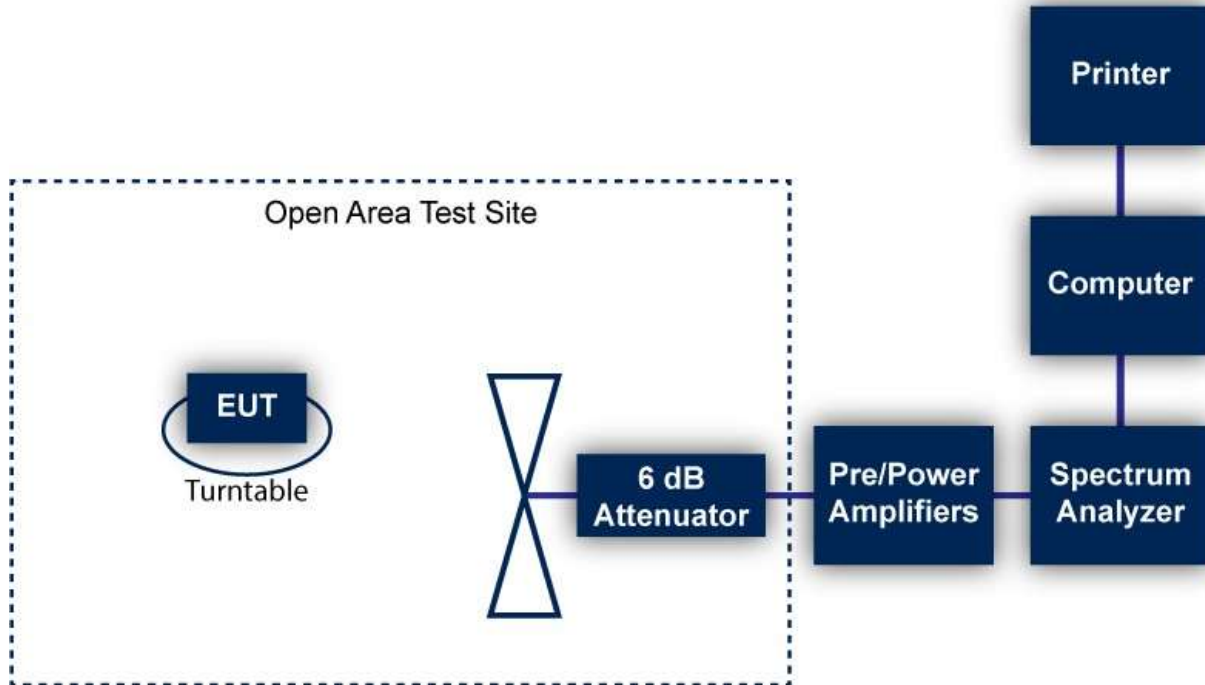


Figure 2: Radiated Emissions Test

## 6.5 Measurement Uncertainty

| Test                                | Uncertainty ( $\pm$ dB) | Confidence (%) |
|-------------------------------------|-------------------------|----------------|
| Radiated Emission (9 kHz to 30 MHz) | 3.3                     | 95             |

## **7 Photographs**

The test setup photographs for this report (originally Photographs 1-14, report pages 21-27) have been extracted and are provided as a standalone exhibit, "UT66100C-004 Test Setup Photos.pdf", submitted separately with a request for short-term confidentiality, consistent with FCC RAI Item 12.7 for FCC ID 2BFEF-GWL1400 (IIA Project 30319-26).

## **8 FCC Part 18 Compliance Information**

### **8.1 Label and Compliance Statement**

The label of the WiTricity GWL1400 and VWL1400 is not paginated as part of this report and will be made available by the applicant.

### **8.2 Block Diagram**

A block diagram showing the clock frequencies and signal paths of the WiTricity GWL1400 and VWL1400 is not paginated as part of this report and will be made available by the applicant.

### **8.3 User's Manual**

A copy of the User's manual containing the FCC warning statement is not paginated as part of this report and will be made available by the applicant.

--- End of Report ---