# TEST REPORT



**KES Co., Ltd.**
#3002, #3503, #3701, 40, Simin-daero365beon-gil, Dongan-gu,
Anyang-si, Gyeonggi-do, 14057, Republic of Korea
Tel : +82-31-425-6200, Fax : +82-31-341-3838

■ **FCC TEST REPORT**

**1. Client**

○ Name : GreenTalk Co., Ltd.
○ Address : 45, Jami-ro 6beon-gil, Buk-gu, Gwangju, Republic of Korea

**2. Sample Description**

○ Product item : Smart Golf Ball Wireless Charger
○ Model name : G8WLC-01
○ Manufacturer etc. : GreenTalk Co., Ltd.

**3. Date of test :** 2026.03.19 ~ 2026.04.08

**4. Location of Test :** ☑ Permanent Testing Lab ☐ On Site Testing

○ Address : 473-21, Gayeo-ro, Yeoju-si, Gyeonggi-do, 12658, Rep. of Korea

**5. FCC Rule part(s) :** Part 15 Subpart C 15.247

**6. Test result :** PASS

The results shown in this test report refer only to the sample(s) tested unless otherwise stated.
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This laboratory is not accredited for the test results marked *.
This test report is not related to KOLAS accreditation.

| | | |
|---|---|---|
| Affirmation | Tested by<br>Name : Gu-Bong, Kang (Signature)<br>[강구봉]2026/05/13 | Technical Manager<br>Name : Young-Jin, Lee (Signature)<br>[이영진]2026/05/13 |

**2026. 05. 13.**

# KES Co., Ltd.

# REPORT REVISION HISTORY

| Date | Test Report No. | Revision History |
|---|---|---|
| 2026.05.13 | KES-RF260050 | Initial |
| | | |
| | | |

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## 1. General information

| | |
|---|---|
| Applicant: | GreenTalk Co., Ltd. |
| Applicant address: | 45, Jami-ro 6beon-gil, Buk-gu, Gwangju, Republic of Korea |
| Test site: | KES Co., Ltd. |
| Test site address: | ☐ #3002, #3503, #3701, 40, Simin-daero365beon-gil, Dongan-gu, Anyang-si, Gyeonggi-do, 14057, Rep. of Korea<br>☒ 473-21, Gayeo-ro, Yeoju-si, Gyeonggi-do, 12658, Rep. of Korea |
| Test Facility | FCC Accreditation Designation No.: KR0100, Registration No.: 444148 |
| FCC rule part(s): | 15.247 |
| FCC ID: | 2BVPSG8WLC-01 |
| Module Model: | MDBT42Q |
| Module FCC ID: | SH6MDBT42Q |
| Test device serial No.: | ☒ Production ☐ Pre-production ☐ Engineering |

### 1.1. EUT description

| | |
|---|---|
| Equipment under test | Smart Golf Ball Wireless Charger |
| Frequency range & Number of channels | 2 402 ㎒ ~ 2 480 ㎒ (LE 1 Mbps) : 40 ch<br>0.146 8 ㎒ (WPT) |
| Model | G8WLC-01 |
| Modulation technique | GFSK(LE 1 Mbps), Non-Modulation (WPT) |
| Antenna specification | Chip Antenna (LE 1 Mbps) // Peak gain: -1.6 ㏈i<br>Coil Antenna (WPT) |
| Power source | Operating : DC 3.7 V (Battery)<br>Charging : AC 120 V (AC/DC Adapter output DC 5 V) |
| H/W version | V0 .01 |
| F/W version | V0 .01 |

### 1.2. Test configuration

The **GreenTalk Co., Ltd. // Smart Golf Ball Wireless Charger // G8WLC-01 // FCC ID: 2BVPSG8WLC-01** was tested according to the specification of EUT, the EUT must comply with following standards and KDB documents.

FCC Part 15.247
KDB 558074 D01 v05 r02
ANSI C63.10-2020

### 1.3. Information about derivative model

N/A.

### 1.4. Accessory information

| Equipment | Manufacturer | Model | Serial No. | Power source |
|---|---|---|---|---|
| - | - | - | - | - |

### 1.5. Device modifications

N/A

### 1.6. Sample calculation

Where relevant, the following sample calculation is provided
For all conducted test items :

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuator factor between EUT conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly the EUT RF output level.

For Radiation test :
Field strength level (㏈㎶/m) = Measured level (㏈㎶) + Antenna factor (㏈) + Cable loss (㏈) – Amplifier gain (㏈)

### 1.7. Measurement Uncertainty

| Test Item | | Uncertainty |
|---|---|---|
| Uncertainty for Conduction emission test | | 2.22 ㏈ ( SHIELD ROOM #6 ) |
| Uncertainty for Radiation emission test (include Fundamental emission) | Below 1 ㎓ | 4.04 ㏈ ( SAC #6 ) |
| | Above 1 ㎓ | 5.32 ㏈ ( SAC #5 ) |
| Note. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of *k*=2. | | |

## 1.8. Frequency/channel operations

| Ch. | Frequency (㎒) | Mode |
|---|---|---|
| 00 | 2 402 | LE 1 Mbps |
| . . | . . | . . |
| 20 | 2 442 | LE 1 Mbps |
| . . | . . | . . |
| 39 | 2 480 | LE 1 Mbps |

| Ch. | Frequency (㎒) | Mode |
|---|---|---|
| 00 | 0.146 8 | WPT |

## 2. Summary of tests

| Section in FCC Part 15 | Parameter | Test results |
|---|---|---|
| 15.247(a)(2) | 6 dB bandwidth | N/T[Note.1] |
| 15.247(b)(3) | Output power | N/T[Note.1] |
| 15.247(e) | Power spectral density | N/T[Note.1] |
| 15.205<br>15.209 | Radiated restricted band and emission | Pass |
| 15.247(d) | Conducted spurious emission and band edge | N/T[Note.1] |
| 15.207(a) | AC Conducted emissions | Pass |
| 15.203 | Antenna Requirement | Pass |

*N/T: Not Tested

Note.

1. This product is equipped with an approved module, please refer to Module Report below for details. Report No. ER/2016/70009
2. By the request of applicant, test is performed with power setting value below :

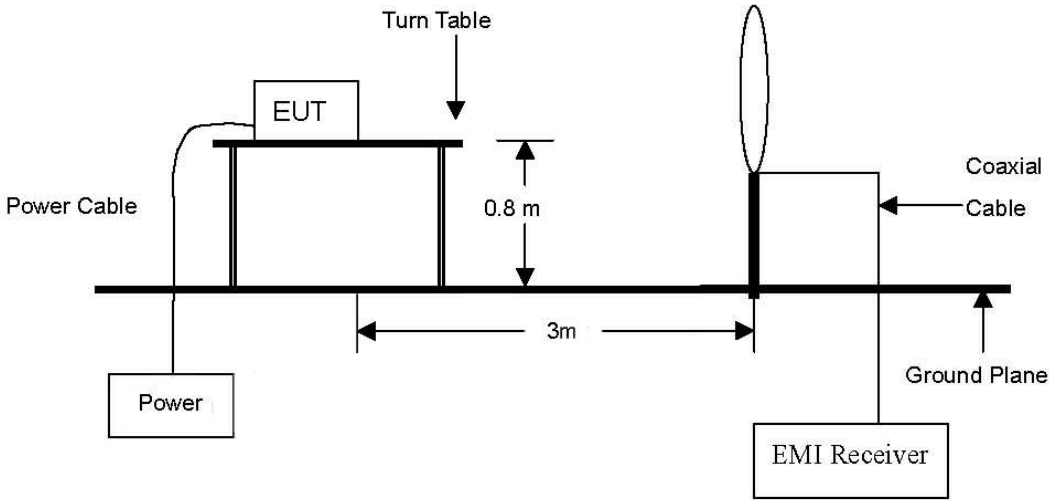
| Mode | 2.4 ㎓ | |
|---|---|---|
| | Frequency (㎒) | Setting value |
| LE 1 Mbps | 2 402 ~ 2 480 | 8 |

# 3. Test results

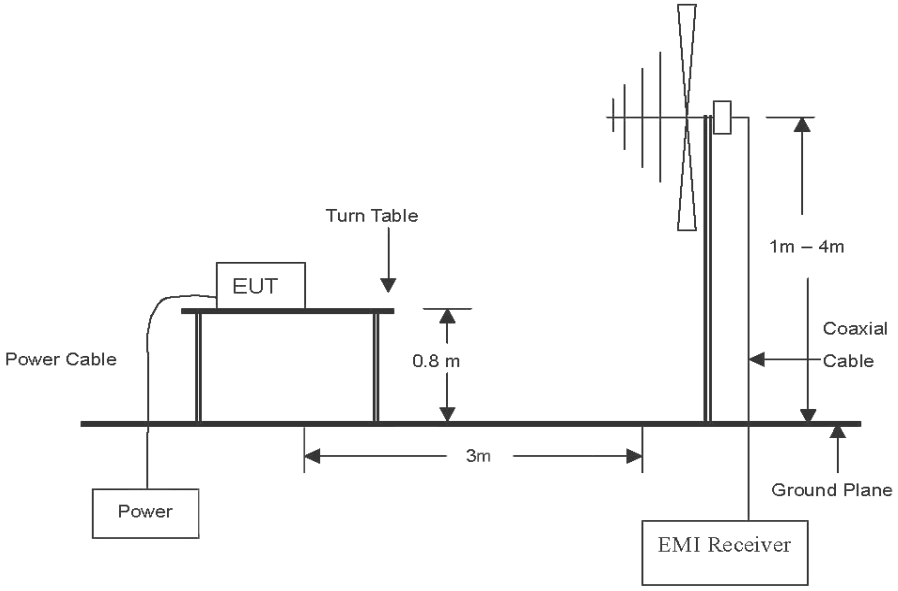
## 3.1. Radiated restricted band and emissions

**Test setup**

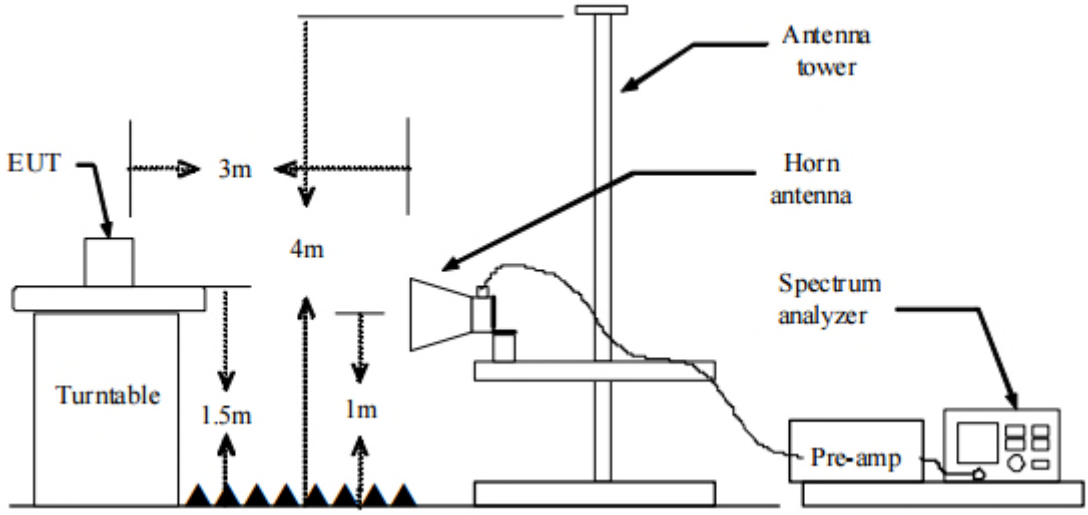
The diagram below shows the test setup that is utilized to make the measurements for emission from 9 ㎑ to 30 ㎒ Emissions.




The diagram below shows the test setup that is utilized to make the measurements for emission from 30 ㎒ to 1 ㎓ emissions.



The diagram below shows the test setup that is utilized to make the measurements for emission from 1 ㎓ to the tenth harmonic of the highest fundamental frequency or to 40 ㎓ emissions, whichever is lower.




**Test procedure**

Radiated emissions from the EUT were measured according to the dictates in section 11.11 & 11.12 of ANSI C63.10-2020.

**Test procedure below 30 ㎒**

1. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter anechoic chamber test site. The table was rotated 360 degrees to determine the position of the highest radiation.
2. Then antenna is a loop antenna is fixed at one meter above the ground to determine the maximum value of the field strength. Both parallel, ground parallel and perpendicular of the antenna are set to make the measurement. It was determined that **parallel** was worst-case orientation; therefore, all final radiated testing was performed with the EUT in **parallel.**
3. For each suspected emission, the EUT was arranged to its worst case and then the table was turned from 0 degrees to 360 degrees to find the maximum reading.
4. The test-receiver system was set to average or quasi peak detect function and Specified Bandwidth with Maximum hold mode.

**Test procedure above 30 ㎒**

1. The EUT was placed on the top of a rotating table 0.8 meters above the ground for 30 ㎒-1 ㎓ and 1.5 meters for above 1 ㎓ at a 3 meter anechoic chamber test site. The table was rotated 360 degrees to determine the position of the highest radiation.
2. The antenna is a bi-log antenna, a horn antenna, and its height are 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.
3. 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 table was turned from 0 degrees to 360 degrees to find the maximum reading.
4. The test receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

5. Spectrum analyzer settings for *f* < 1 ㎓:
   ① Span = wide enough to fully capture the emission being measured
   ② RBW = 120 ㎑
   ③ VBW ≥ RBW
   ④ Detector = quasi peak
   ⑤ Sweep time = auto
   ⑥ Trace = max hold
6. Spectrum analyzer settings for *f* ≥1 ㎓: Peak
   ① Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
   ② RBW = 1 ㎒
   ③ VBW ≥ 3 ㎒
   ④ Detector = peak
   ⑤ Sweep time = auto
   ⑥ Trace = max hold
   ⑦ Trace was allowed to stabilize

7. Spectrum analyzer settings for *f* ≥1 ㎓: Average
   ① Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
   ② RBW = 1 ㎒
   ③ VBW ≥ 3 × RBW
   ④ Detector = RMS, if span/(# of points in sweep) ≤ (RBW/2). Satisfying this condition may require increasing the number of points in the sweep or reducing the span. If this condition cannot be satisfied, then the detector mode shall be set to peak.
   ⑤ Averaging type = power(i.e., RMS)
      1) As an alternative, the detector and averaging type may be set for linear voltage averaging.
      2) Some instruments require linear display mode in order to use linear voltage averaging. Log or ㏈ averaging shall not be used.
   ⑥ Sweep = auto
   ⑦ Trace = max hold
   ⑧ Perform a trace average of at least 100 traces.
   ⑨ A correction factor shall be added to the measurement results prior to comparing to the emission limit in order to compute the emission level that would have been measured had the test been performed at 100 percent duty cycle. The correction factor is computed as follows:
      1) If power averaging (RMS) mode was used in step ⑤, then the applicable correction factor is 10 log(1/x), where x is the duty cycle.
      2) If linear voltage averaging mode was used in step ⑤, then the applicable correction factor is 20 log(1/x), where x is the duty cycle.
      3) If a specific emission is demonstrated to be continuous (≥ 98 percent duty cycle) rather than turning on and off with the transmit cycle, then no duty cycle correction is required for that emission.

**Note.**

1. *f* <30 ㎒, extrapolation factor of 40 ㏈/decade of distance. $F_d = 40\log(D_m/Ds)$
   *f* ≥30 ㎒, extrapolation factor of 20 ㏈/decade of distance. $F_d = 20\log(D_m/Ds)$
   Where:
   $F_d$ = Distance factor in ㏈
   $D_m$ = Measurement distance in meters
   $D_s$ = Specification distance in meters
2. Field strength(㏈㎶/m) = Level(㏈㎶) + CF (㏈) + or DCF(㏈)
3. Margin(㏈) = Limit(㏈㎶/m) - Field strength(㏈㎶/m)
4. Emissions below 18 ㎓ were measured at a 3 meter test distance while emissions above 18 ㎓ were measured at a 1 meter test distance with the application of a distance correction factor.
5. The fundamental of the EUT was investigated in three orthogonal orientations X, Y and Z, it was determined that **X orientation** was worst-case orientation; therefore, all final radiated testing was performed with the EUT in **X orientation.**
6. The worst-case emissions are reported however emissions whose levels were not within 20 ㏈ of respective limits were not reported.
7. According to exploratory test no any obvious emission were detected from 9 ㎑ to 30 ㎒. Although these tests were performed other than open field site, adequate comparison measurements were confirmed against 30 m open field site. Therefore sufficient tests were made to demonstrate that the alternative site produces results that correlate with the ones of tests made in an open field based on KDB 414788.

**Limit**

According to 15.209(a), for an intentional radiator devices, the general required of field strength of radiated emissions from unintentional radiators at a distance of 3 meters shall not exceed the following values :

| Frequency (㎒) | Distance (Meters) | Radiated (㎶/m) |
|---|---|---|
| 0.009 ~ 0.490 | 300 | 2400/F(㎑) |
| 0.490 ~ 1.705 | 30 | 24000/F(㎑) |
| 1.705 ~ 30.0 | 30 | 30 |
| 30 ~ 88 | 3 | 100** |
| 88 ~ 216 | 3 | 150** |
| 216 ~ 960 | 3 | 200** |
| Above 960 | 3 | 500 |

**Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this Section shall not be located in the frequency bands 54 ~ 72 ㎒, 76 ~ 88 ㎒, 174 ~ 216 ㎒ or 470 ~ 806 ㎒. However, operation within these frequency bands is permitted under other sections of this Part, e.g., Sections 15.231 and 15.241.

**Duty cycle**

Regarding to KDB 558074 D01_v05 r02, 6. Measurements of duty cycle and transmission duration shall be performed using one of the following techniques:

a) A diode detector and an oscilloscope that together have sufficiently short response time to permit accurate measurements of the on- and off-times of the transmitted signal.

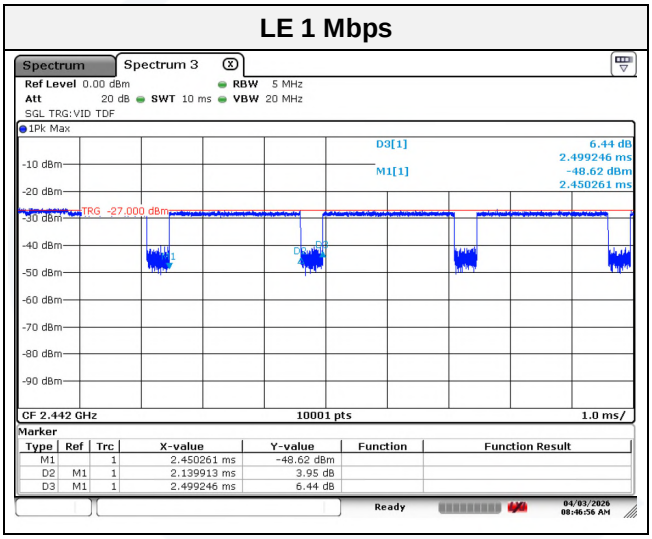
b) The zero-span mode on a spectrum analyzer or EMI receiver if the response time and spacing between bins on the sweep are sufficient to permit accurate measurements of the on- and off-times of the transmitted signal.

| Mode | $T_{on}$ time (㎳) | Period (㎳) | Duty cycle (Linear) | Duty cycle (%) | Duty cycle correction factor (㏈) |
|---|---|---|---|---|---|
| LE 1 Mbps | 2.140 | 2.499 | 0.86 | 85.63 | 0.66 |

Duty cycle (Linear) = $T_{on}$ time/Period

DCF(Duty cycle correction factor (㏈)) = 10log(1/duty cycle)

**LE 1 Mbps**



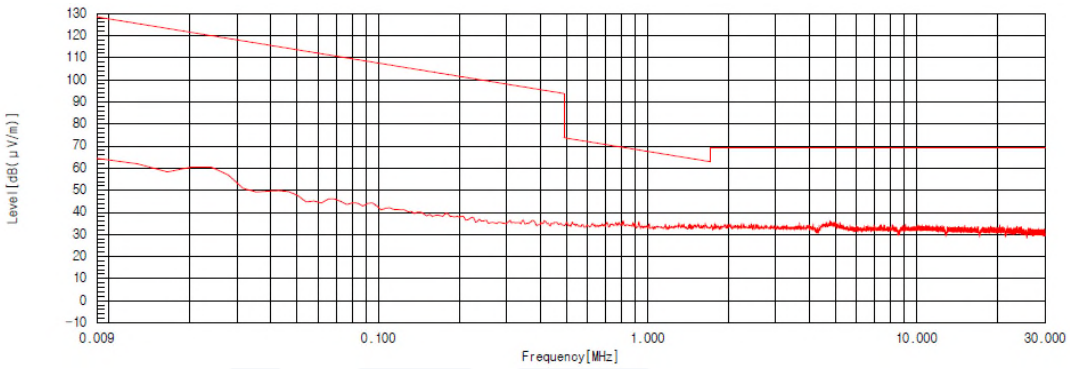

Note.

1. Tested with the maximum duty that can be set on the EUT.

**Test results (Below 30 ㎒)**

| | |
|---|---|
| Mode: | LE 1 Mbps |
| Distance of measurement: | 3 meter |
| Channel: | 0 (Worst case) |

**Parallel**

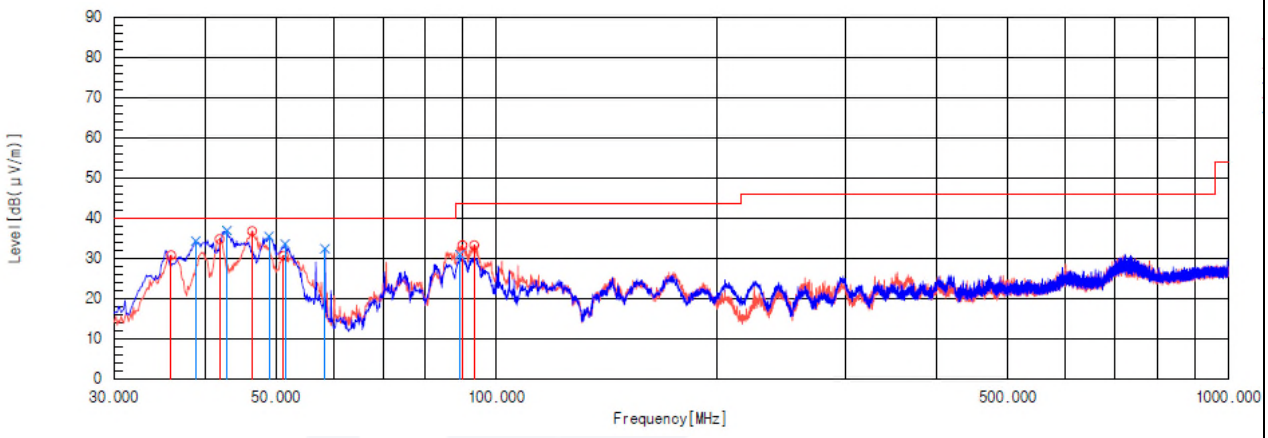



Note.
1. No spurious emission were detected under 30 ㎒.

**Test results (Below 1 000 ㎒)**

| | |
|---|---|
| Mode: | LE 1 Mbps |
| Distance of measurement: | 3 meter |
| Channel: | 0 (Worst case) |

**Horizontal // Vertical**




Final Result

| No. | Frequency [MHz] | Pol | Reading QP [dB(μV)] | c.f [dB(1/m)] | Result QP [dB(μV/m)] | Limit QP [dB(μV/m)] | Margin QP [dB] | Height [cm] | Angle [deg] | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 35.941 | H | 45.4 | -14.6 | 30.8 | 40.0 | 9.2 | 370.0 | 358.6 | |
| 2 | 38.851 | V | 48.3 | -14.0 | 34.3 | 40.0 | 5.7 | 103.0 | 220.3 | |
| 3 | 41.883 | H | 48.2 | -13.4 | 34.8 | 40.0 | 5.2 | 396.0 | 256.3 | |
| 4 | 42.853 | V | 50.2 | -13.3 | 36.9 | 40.0 | 3.1 | 131.0 | 308.4 | |
| 5 | 46.369 | H | 49.4 | -12.6 | 36.8 | 40.0 | 3.2 | 217.0 | 105.6 | |
| 6 | 48.915 | V | 47.7 | -12.2 | 35.5 | 40.0 | 4.5 | 151.0 | 252.0 | |
| 7 | 51.219 | H | 42.9 | -12.2 | 30.7 | 40.0 | 9.3 | 203.0 | 170.3 | |
| 8 | 51.461 | V | 45.8 | -12.2 | 33.6 | 40.0 | 6.4 | 159.0 | 140.8 | |
| 9 | 58.373 | V | 45.5 | -13.1 | 32.4 | 40.0 | 7.6 | 107.0 | 0.0 | |
| 10 | 89.170 | V | 46.5 | -15.6 | 30.9 | 43.5 | 12.6 | 100.0 | 0.0 | |
| 11 | 89.898 | H | 48.7 | -15.4 | 33.3 | 43.5 | 10.2 | 388.0 | 344.1 | |
| 12 | 93.293 | H | 48.1 | -14.8 | 33.3 | 43.5 | 10.2 | 377.0 | 0.0 | |

**Test results (Above 1 000 ㎒)**

| | |
|---|---|
| Mode: | LE 1 Mbps |
| Distance of measurement: | 3 meter |
| Channel: | 0 |

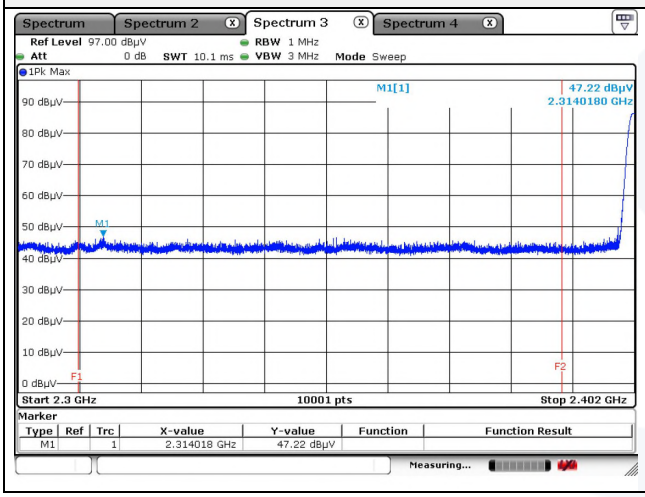
- **Spurious**

| Frequency (㎒) | Level (dB㎶) | Detect mode | Ant. Pol. (H/V) | CF (dB) | DCF (dB) | Field strength (dB㎶/m) | Limit (dB㎶/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|
| 1 024.30 | 47.28 | Peak | V | -8.43 | - | 38.85 | 74.00 | 35.15 |
| 1 061.09 | 47.86 | Peak | H | -8.26 | - | 39.60 | 74.00 | 34.40 |

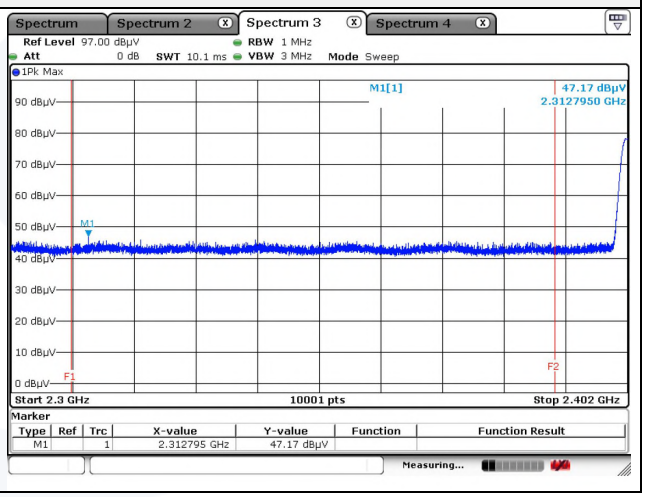
- **Band edge**

| Frequency (㎒) | Level (dB㎶) | Detect mode | Ant. Pol. (H/V) | CF (dB) | DCF (dB) | Field strength (dB㎶/m) | Limit (dB㎶/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|
| 2 312.80 | 47.17 | Peak | V | -0.65 | - | 46.52 | 74.00 | 27.48 |
| 2 314.02 | 47.22 | Peak | H | -0.65 | - | 46.57 | 74.00 | 27.43 |

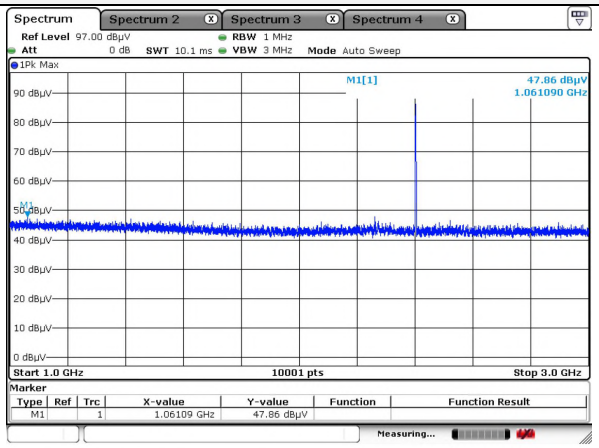
**Restricted band // Horizontal // Peak**



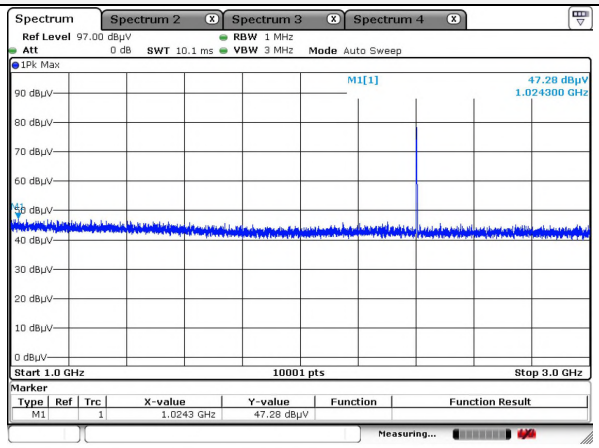

**Restricted band // Vertical // Peak**



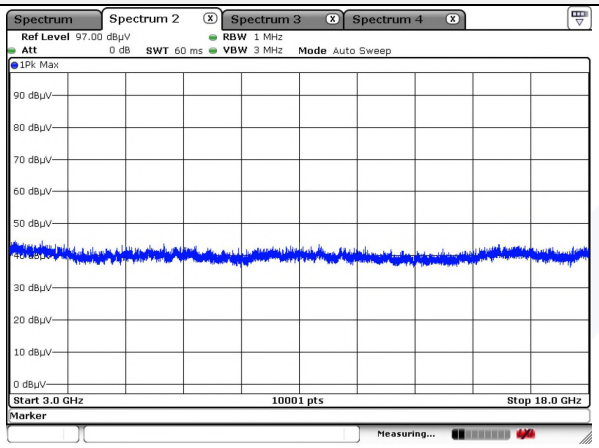
**Horizontal // Peak for 1 ㎓ to 3 ㎓**



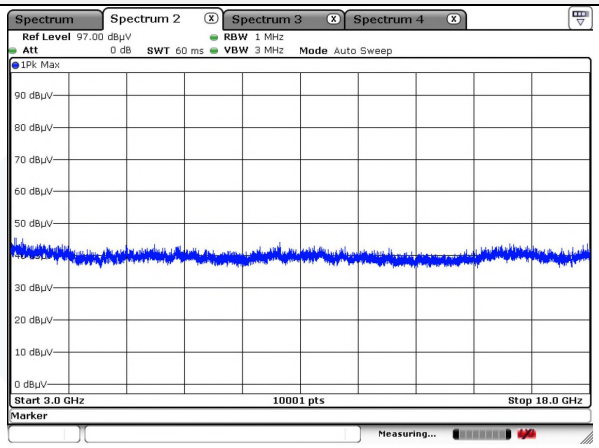

**Vertical // Peak for 1 ㎓ to 3 ㎓**




**Horizontal // Peak for 3 ㎓ to 18 ㎓**




**Vertical // Peak for 3 ㎓ to 18 ㎓**




Note.

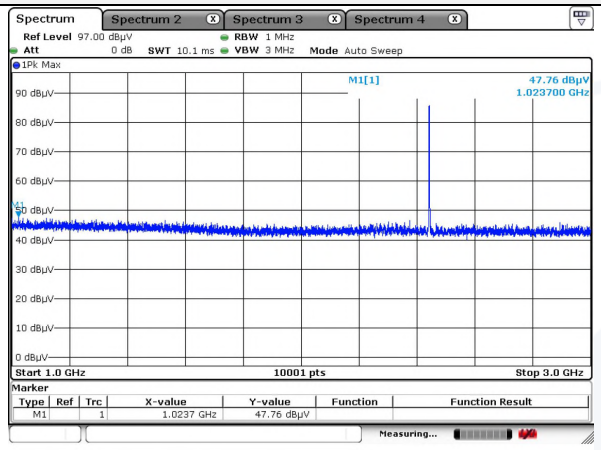
1. No spurious emission were detected above 3 ㎓.
2. Average test would be performed if the peak result were greater than the average limit.

| | |
|---|---|
| Mode: | LE 1 Mbps |
| Distance of measurement: | 3 meter |
| Channel: | 20 |

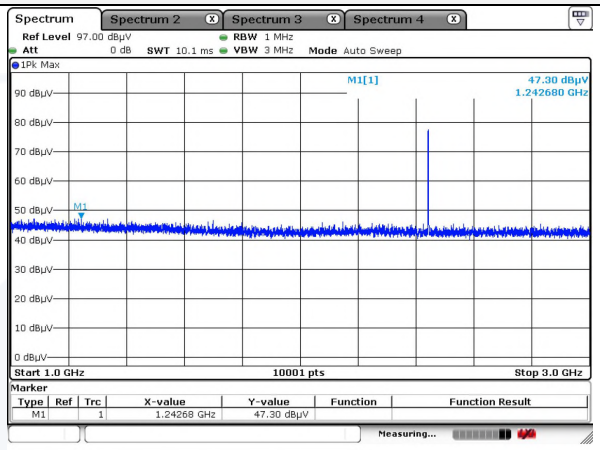
- **Spurious**

| Frequency (㎒) | Level (dB㎶) | Detect mode | Ant. Pol. (H/V) | CF (dB) | DCF (dB) | Field strength (dB㎶/m) | Limit (dB㎶/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|
| 1 023.70 | 47.76 | Peak | H | -8.44 | - | 39.32 | 74.00 | 34.68 |
| 1 242.68 | 47.30 | Peak | V | -7.40 | - | 39.90 | 74.00 | 34.10 |

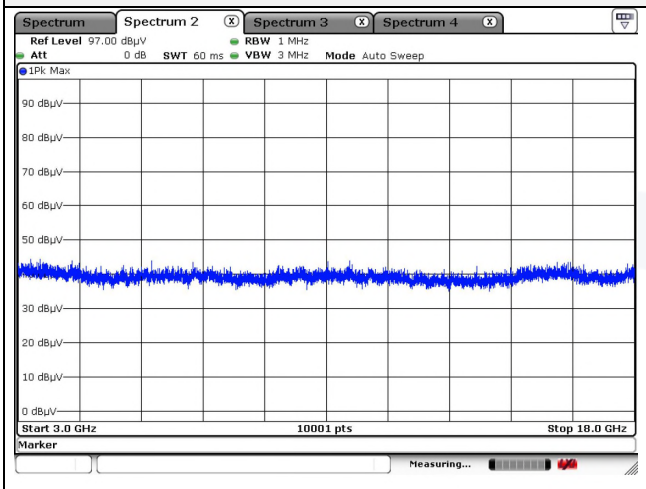
**Horizontal // Peak for 1 ㎓ to 3 ㎓**



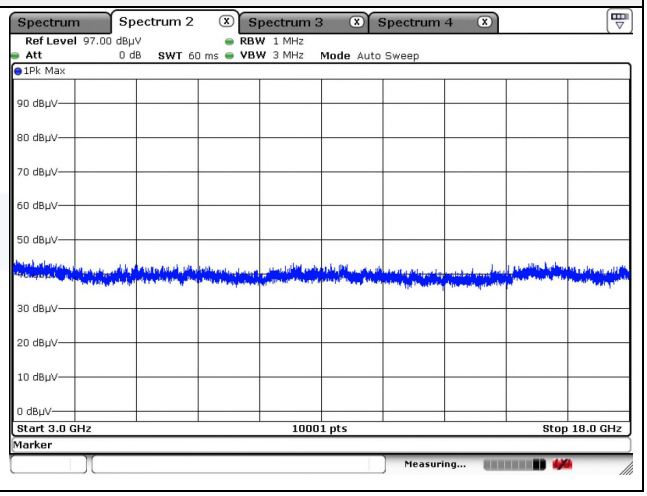

**Vertical // Peak for 1 ㎓ to 3 ㎓**




**Horizontal // Peak for 3 ㎓ to 18 ㎓**




**Vertical // Peak for 3 ㎓ to 18 ㎓**




Note.

1. No spurious emission were detected above 3 ㎓.
2. Average test would be performed if the peak result were greater than the average limit.

Mode: LE 1 Mbps

Distance of measurement: 3 meter

Channel: 39

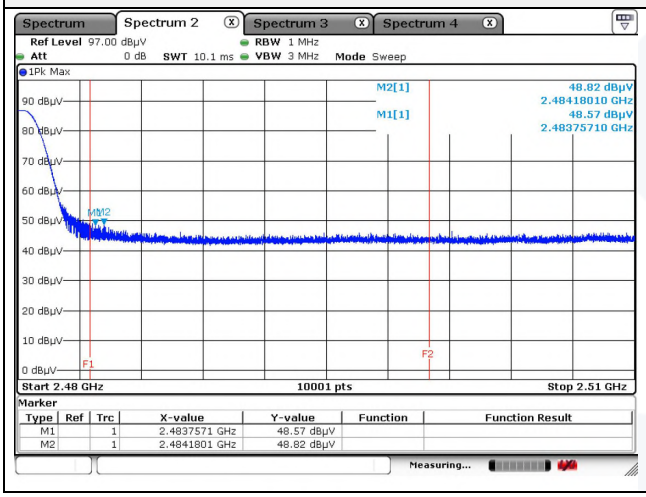
- **Spurious**

| Frequency (㎒) | Level (dB㎶) | Detect mode | Ant. Pol. (H/V) | CF (dB) | DCF (dB) | Field strength (dB㎶/m) | Limit (dB㎶/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|
| 1 026.10 | 47.04 | Peak | H | -8.43 | - | 38.61 | 74.00 | 35.39 |
| 1 151.88 | 47.24 | Peak | V | -7.83 | - | 39.41 | 74.00 | 34.59 |

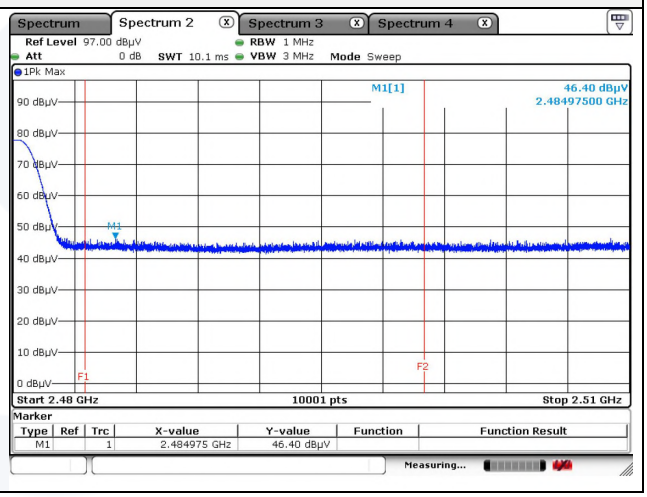
- **Band edge**

| Frequency (㎒) | Level (dB㎶) | Detect mode | Ant. Pol. (H/V) | CF (dB) | DCF (dB) | Field strength (dB㎶/m) | Limit (dB㎶/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|
| 2 483.76 | 48.57 | Peak | H | -0.04 | - | 48.53 | 74.00 | 25.47 |
| 2 484.18 | 48.82 | Peak | H | -0.04 | - | 48.78 | 74.00 | 25.22 |
| 2 484.98 | 46.40 | Peak | V | -0.04 | - | 46.36 | 74.00 | 27.64 |

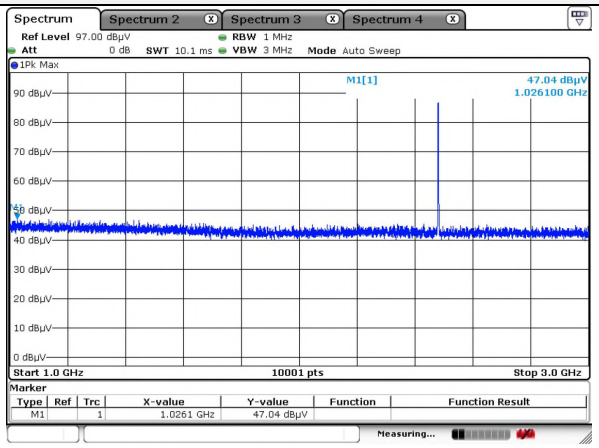
**Restricted band // Horizontal // Peak**



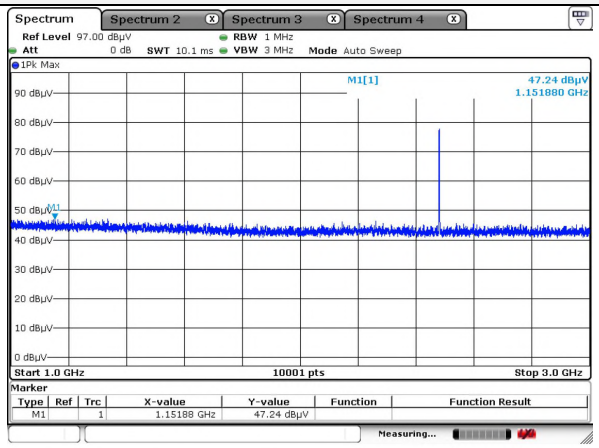

**Restricted band // Vertical // Peak**



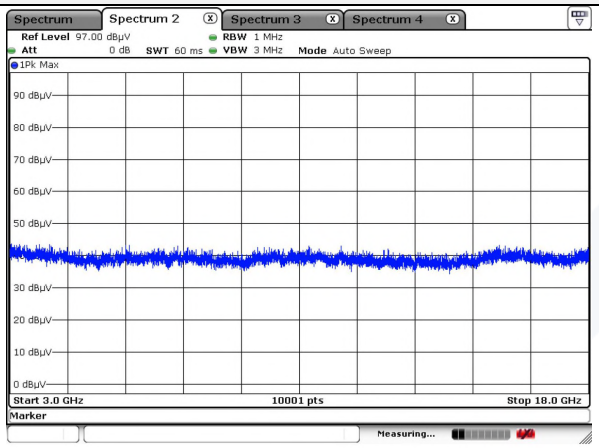
**Horizontal // Peak for 1 ㎓ to 3 ㎓**



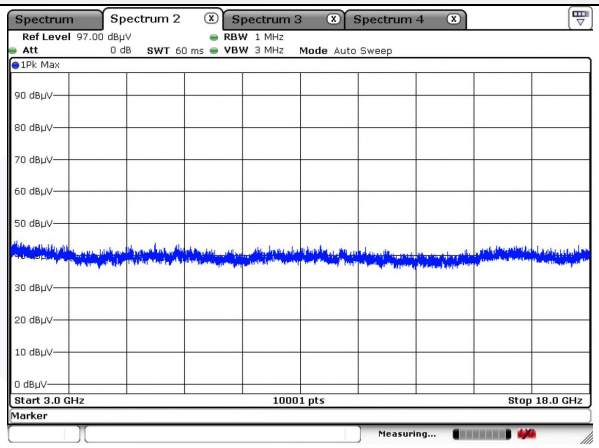

**Vertical // Peak for 1 ㎓ to 3 ㎓**




**Horizontal // Peak for 3 ㎓ to 18 ㎓**




**Vertical // Peak for 3 ㎓ to 18 ㎓**

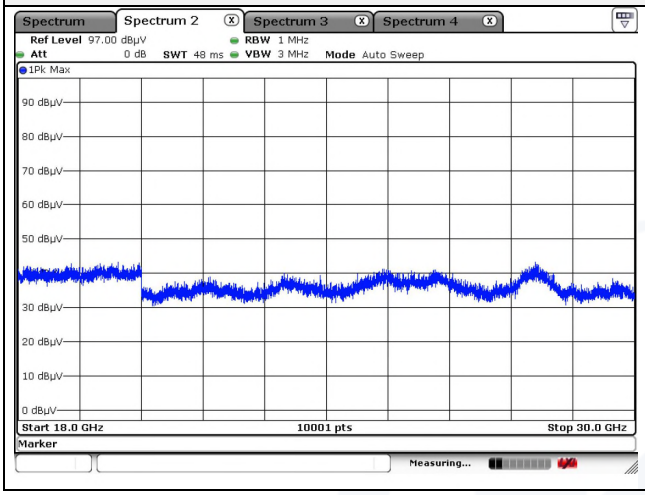
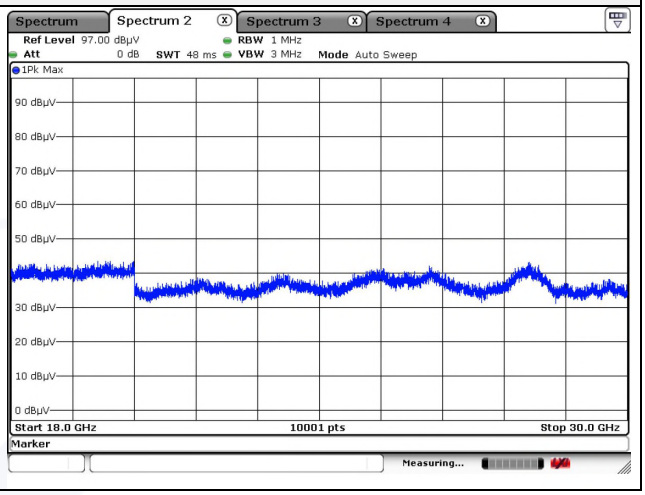



Note.

1. No spurious emission were detected above 3 ㎓.
2. Average test would be performed if the peak result were greater than the average limit.

**Test results (18 ㎓ to 30 ㎓) – Worst case**

| | |
|---|---|
| Mode: | LE 1 Mbps |
| Distance of measurement: | 3 meter |
| Channel: | 0 (Worst case) |

| Horizontal | Vertical |
|---|---|
|  |  |



Note.

1. No spurious emission were detected above 18 ㎓.

## 3.2. AC conducted emissions

**Limit**

According to 15.207(a), for an intentional radiator that is 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, within the band 150 ㎑ to 30 ㎒, shall not exceed the limits in the following table, as measured using a 50uH/50 ohm line impedance stabilization network (LISN). Compliance with the provision of this paragraph shall on the measurement of the radio frequency voltage between each power line and ground at the power terminal. The lower applies at the boundary between the frequencies ranges.

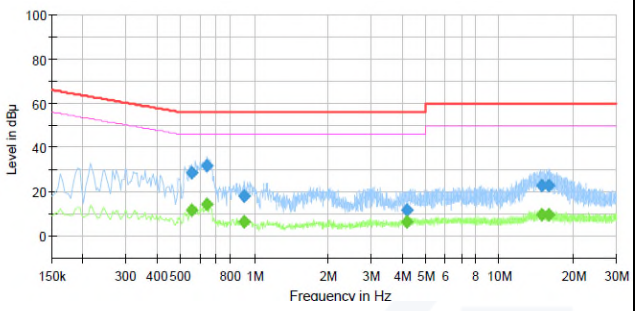
| **Frequency of Emission (㎒)** | **Conducted limit (㏈㎶)** | |
|---|---|---|
| | **Quasi-peak** | **Average** |
| 0.15 – 0.50 | 66 - 56* | 56 - 46* |
| 0.50 – 5.00 | 56 | 46 |
| 5.00 – 30.0 | 60 | 50 |

**Test results**

Mode: LE 1 Mbps

Channel: 0 (Worst case)

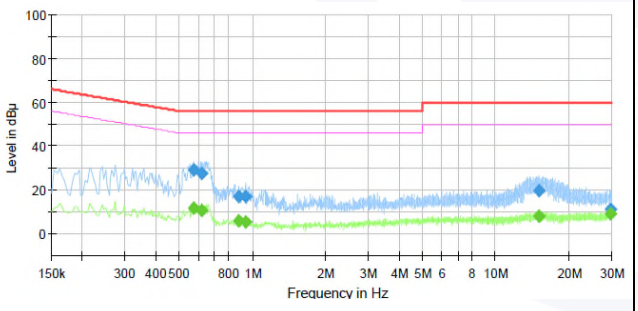
**Hot Line**




Final_Result

| Frequency (MHz) | QuasiPeak (dBµV) | CAverage (dBµV) | Limit (dBµV) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Line | Corr. (dB) |
|---|---|---|---|---|---|---|---|---|
| 0.554000 | 28.77 | ---- | 56.00 | 27.23 | 1000.0 | 9.000 | L1 | 19.6 |
| 0.554000 | ---- | 11.65 | 46.00 | 34.35 | 1000.0 | 9.000 | L1 | 19.6 |
| 0.642000 | ---- | 14.53 | 46.00 | 31.47 | 1000.0 | 9.000 | L1 | 19.6 |
| 0.642000 | 31.53 | ---- | 56.00 | 24.47 | 1000.0 | 9.000 | L1 | 19.6 |
| 0.914000 | ---- | 6.31 | 46.00 | 39.69 | 1000.0 | 9.000 | L1 | 19.7 |
| 0.914000 | 17.90 | ---- | 56.00 | 38.10 | 1000.0 | 9.000 | L1 | 19.7 |
| 4.202000 | ---- | 6.35 | 46.00 | 39.65 | 1000.0 | 9.000 | L1 | 19.9 |
| 4.202000 | 11.62 | ---- | 56.00 | 44.38 | 1000.0 | 9.000 | L1 | 19.9 |
| 14.858000 | ---- | 9.38 | 50.00 | 40.62 | 1000.0 | 9.000 | L1 | 20.7 |
| 14.858000 | 22.92 | ---- | 60.00 | 37.08 | 1000.0 | 9.000 | L1 | 20.7 |
| 15.954000 | ---- | 9.37 | 50.00 | 40.63 | 1000.0 | 9.000 | L1 | 20.7 |
| 15.954000 | 22.84 | ---- | 60.00 | 37.16 | 1000.0 | 9.000 | L1 | 20.7 |

**Neutral Line**




Final_Result

| Frequency (MHz) | QuasiPeak (dBµV) | CAverage (dBµV) | Limit (dBµV) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Line | Corr. (dB) |
|---|---|---|---|---|---|---|---|---|
| 0.578000 | ---- | 11.58 | 46.00 | 34.42 | 1000.0 | 9.000 | N | 19.6 |
| 0.578000 | 29.11 | ---- | 56.00 | 26.89 | 1000.0 | 9.000 | N | 19.6 |
| 0.622000 | ---- | 10.49 | 46.00 | 35.51 | 1000.0 | 9.000 | N | 19.6 |
| 0.622000 | 27.48 | ---- | 56.00 | 28.52 | 1000.0 | 9.000 | N | 19.6 |
| 0.878000 | ---- | 6.10 | 46.00 | 39.90 | 1000.0 | 9.000 | N | 19.7 |
| 0.878000 | 16.99 | ---- | 56.00 | 39.01 | 1000.0 | 9.000 | N | 19.7 |
| 0.942000 | ---- | 5.39 | 46.00 | 40.61 | 1000.0 | 9.000 | N | 19.7 |
| 0.942000 | 17.13 | ---- | 56.00 | 38.87 | 1000.0 | 9.000 | N | 19.7 |
| 14.994000 | ---- | 8.10 | 50.00 | 41.90 | 1000.0 | 9.000 | N | 20.7 |
| 14.994000 | 19.75 | ---- | 60.00 | 40.25 | 1000.0 | 9.000 | N | 20.7 |
| 29.810000 | ---- | 9.10 | 50.00 | 40.90 | 1000.0 | 9.000 | N | 21.5 |
| 29.810000 | 11.32 | ---- | 60.00 | 48.68 | 1000.0 | 9.000 | N | 21.5 |

## 3.3. Antenna Requirement

According to 15.203, An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this Section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of Sections 15.211, 15.213, 15.217, 15.219, or 15.221. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or toother intentional radiators which, in accordance with Section 15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this Part are not exceeded.

## Appendix A. Measurement equipment

| Equipment | Manufacturer | Model | Serial No. | Calibration interval | Calibration due. |
|---|---|---|---|---|---|
| Spectrum analyzer | R&S | FSV40 | 101725 | 1 year | 2026.06.10 |
| Spectrum analyzer | R&S | FSV40 | 101002 | 1 year | 2027.01.06 |
| SIGNAL GENERATOR | KEYSIGHT | N5182B | MY59100115 | 1 year | 2026.04.16<br>2027.04.02 |
| SIGNAL GENERATOR | Anritsu | 68369B | 002118 | 1 year | 2026.04.21<br>2027.04.02 |
| LOOP ANTENNA | TESEQ | HLA6121 | 66547 | 2 years | 2028.01.13 |
| TRILOG-BROADBAND ANTENNA | Schwarzbeck | VULB 9163 | 714 | 2 years | 2026.04.19<br>2028.04.16 |
| Horn Antenna | A.H. | SAS-571 | 414 | 1 year | 2027.01.12 |
| Horn Antenna | SCHWARZBECK | BBHA9170 | BBHA 9170550 | 1 year | 2027.01.12 |
| Amplifier | SONOMA INSTRUMENT | 310N | 401123 | 1 year | 2027.02.12 |
| PREAMPLIFIER | 8449B | AGILENT | 3008A01742 | 1 year | 2026.10.22 |
| BROADBAND AMPLIFIER | SCHWARZBECK | BBV9721 | PS9721-003 | 1 year | 2027.01.12 |
| EMI TEST RECEIVER | R&S | ESU26 | 100517 | 1 year | 2026.07.08 |
| EMI Test S/W | TOYO Corporation | ES10/RE | 2022.01.000 | - | - |
| EMI Test Receiver | R&S | ESR3 | 101783 | 1 year | 2026.11.03 |
| EMI Test S/W | R&S | EMC32 | 9.12.00 | – | - |
| PULSE LIMITER | R&S | ESH2-Z2 | 101915 | 1 year | 2026.11.03 |
| LISN | R&S | ENV216 | 101786 | 1 year | 2027.01.08 |
| Cable (SR #6) | RG 400 | - | - | 0.5 year | 2026.07.25 |
| Cable (SAC #5) | SUCOFLEX106 | HUBER_SUHNER | - | 0.5 year | 2026.07.25 |
| | SUCOFLEX106 | HUBER_SUHNER | - | 0.5 year | 2026.07.25 |
| | LH21D/2Xsma | OSI Cable | - | 0.5 year | 2026.07.25 |
| Cable (SAC #6) | TCLH21D-SMSM-2.5M 0222 | OSI Cable | - | 0.5 year | 2026.07.25 |
| | TCLH21D-NMNM-10.0M 0222 | OSI Cable | - | 0.5 year | 2026.07.25 |
| | TCLH21D-SMSM-7.0M 0222 | OSI Cable | - | 0.5 year | 2026.07.25 |

* Statement of Traceability: KES Co., Ltd. Attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

### Peripheral devices

| Device | Manufacturer | Model No. | Serial No. |
|---|---|---|---|
| Notebook computer | LG Electronics Inc., | LGS53 | 306QCZP560949 |
| AC/DC adapter | Anker Innovations Limited(DongGuan City JieShuai Electronics Co., Ltd.) | A2674 | AGD5R40F26200136 |

**The End.**