

# Datalogic S.r.l.

## TEST REPORT

### SCOPE OF WORK

EMC TESTING–AELVSD

### REPORT NUMBER

250305086GZU-002

### ISSUE DATE

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### DOCUMENT CONTROL NUMBER

FCC Part 15C

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## TEST REPORT

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Intertek Report No: 250305086GZU-002  
FCC ID: U4G-AELVSD

## Test standards

**47 CFR PART 15 Subpart C:2023**

## Sample Description

Product : Vehicle Charger  
Model No. : AELVSD  
Electrical Rating : INPUT:9VDC3A  
Serial No. : Not Labeled  
Date Received : 05 March 2025  
Date Test : 16 May 2025-17 May 2025  
Conducted

Prepared and Checked By

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## TEST REPORT

### 1.0 TEST RESULT SUMMARY

| Test Item                                    | Test Requirement             | Test Method                   | Result |
|----------------------------------------------|------------------------------|-------------------------------|--------|
| Conducted disturbance voltage at mains ports | FCC PART 15 C section 15.207 | ANSI C63.10: Clause 6.2       | N/A    |
| Radiated Emission                            | FCC PART 15 C section 15.209 | ANSI C63.10: Clause 6.4 & 6.5 | PASS   |
| 20dB Bandwidth                               | FCC PART 15 C section 15.215 | FCC PART 15 C section 15.215  | PASS   |

Remark:

When determining the test results, measurement uncertainty of tests has been considered.

## TEST REPORT

### 2.0 General Description

#### 2.1 Product Description

|                     |                                                                                                                                                     |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| Operating Frequency | 111-147KHz                                                                                                                                          |
| Type of Modulation: | Load modulation                                                                                                                                     |
| Antenna Type        | Inductive loop coil antenna                                                                                                                         |
| Power Supply:       | Mode 1:Test with adaptor(E018-1A120150C8) 5VDC 3.0A/9VDC 2.0A/12DC V1.5A<br>Mode 2:Test with adaptor(GDS-CHARGE-V7B1U) 5VDC 2.5A max; 9VDC 2.5A max |
| Power cord:         | 1.5 m unscreened USB cable<br>900 mm x 2wires unscreened DC supply cable                                                                            |

#### 2.2 Related Submittal(s) Grants

This is an application for certification of:  
DCD-Part 15 Low Power Transmitter below 1705kHz

#### 2.3 Test Methodology

Radiated emission measurements were performed according to the procedures in ANSI C63.10. Radiated emission measurement was performed in semi-anechoic chamber and conducted emission measurement was performed in shield room. For radiated emission measurement, preliminary scans and final tests were performed in the semi-anechoic chamber to determine the worst case modes. All radiated tests were performed at an antenna to EUT distance of 3 meters, unless stated otherwise.

#### 2.4 Test Facility

All tests were performed at:  
Intertek Testing Services Shenzhen Ltd. Guangzhou Branch  
Room102/104, No 203, KeZhu Road, Science City, GETDD Guangzhou, China  
Except Conducted Emissions was performed at:  
Room101/301/401/102/202/302/402/502/602/702/802, No. 7-2, Caipin Road, Huangpu District, Guangzhou, Guangdong, China

A2LA Certificate Number 0078.10

## TEST REPORT

Intertek Testing Services Shenzhen Ltd. Guangzhou Branch is accredited by A2LA and Listed in FCC website. FCC accredited test labs may perform both Certification testing under Parts 15 and 18 and Declaration of Conformity testing.

### 3.0 System Test Configuration

#### 3.1 Justification

For emissions testing, the equipment under test (EUT) setup to transmit continuously to simplify the measurement methodology. Care was taken to ensure proper power supply voltages during testing. It was powered by DC 12V supply.

When below 30MHz, the measurement antenna was positioned with its plane perpendicular to the ground at the specified distance. When perpendicular to the ground plane, the lowest height of the magnetic antenna was 1 m above the ground and was positioned at 3m distance from the EUT. During testing the loop antenna was rotated about its vertical axis for maximum response at each azimuth and also investigated with the loop positioned in the horizontal plane. For each measurement antenna alignment, the EUT shall be rotated through 0° to 360° on a turntable.

When above 30MHz, the antenna height and polarization are varied during the search for maximum signal level. The antenna height is varied from 1 to 4 meters. Radiated emissions are taken at three meters unless the signal level is too low for measurement at that distance. If necessary, a pre-amplifier is used and/or the test is conducted at a closer distance.

All readings are extrapolated back to the equivalent three meter reading using inverse scaling with distance. The spurious emissions more than 20 dB below the permissible value are not reported.

For an intentional radiator, the spectrum shall be investigated from the lowest radio frequency signal generated in the device, without going below 9 kHz, up to at least the frequency shown in the following table:

Frequency range of radiated emission measurements

| Lowest frequency generated in the device | Upper frequency range of measurement                                                                                    |
|------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| 9 kHz to below 10 GHz                    | 10 <sup>th</sup> harmonic of highest fundamental frequency or to 40 GHz, whichever is lower                             |
| At or above 10 GHz to below 30 GHz       | 5 <sup>th</sup> harmonic of highest fundamental frequency or to 100 GHz, whichever is lower                             |
| At or above 30 GHz                       | 5 <sup>th</sup> harmonic of highest fundamental frequency or to 200 GHz, whichever is lower, unless otherwise specified |

Number of fundamental frequencies to be tested in EUT transmit band

| Frequency range in which device operates | Number of frequencies | Location in frequency range of operation |
|------------------------------------------|-----------------------|------------------------------------------|
|------------------------------------------|-----------------------|------------------------------------------|

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|                  |   |                                             |
|------------------|---|---------------------------------------------|
| 1 MHz or less    | 1 | Middle                                      |
| 1 MHz to 10 MHz  | 2 | 1 near top and 1 near bottom                |
| More than 10 MHz | 3 | 1 near top, 1 near middle and 1 near bottom |

### 3.2 EUT Exercising Software

N/A

### 3.3 Special Accessories

N/A

### 3.4 Measurement Uncertainty

| No. | Item                                   | Measurement Uncertainty |
|-----|----------------------------------------|-------------------------|
| 1   | 20 dB Bandwidth                        | 2.31%                   |
|     | 6dB Bandwidth                          |                         |
|     | 99% Bandwidth                          |                         |
| 2   | Carrier Frequencies Separated          | 2.31%                   |
| 3   | Dwell Time                             | 1.19%                   |
| 4   | Maximum Peak Conducted Output Power    | 1.98 dB                 |
| 5   | Peak Power Spectral Density            | 1.98 dB                 |
| 6   | Out of Band Conducted Emissions        | 1.98 dB                 |
| 7   | Band edges measurement                 | 1.98 dB                 |
| 8   | Radiated Emissions                     | 3.64 dB (9 kHz-30 MHz)  |
|     |                                        | 4.26 dB (30 MHz-1 GHz)  |
|     |                                        | 4.96 dB (1 GHz-18 GHz)  |
|     |                                        | 5.16 dB (18 GHz-40 GHz) |
| 9   | Conducted Emissions at Mains Terminals | 2.23 dB                 |
| 10  | Temperature                            | 0.81 °C                 |
| 11  | Humidity                               | 1.73%                   |
| 12  | Time                                   | 1.19%                   |

The measurement uncertainty describes the overall uncertainty of the given measured value during the operation of the EUT.

Measurement uncertainty is calculated in accordance with ETSI TR 100 028-2001.

The measurement uncertainty is given with a confidence of 95%, k=2.

When determining of the test conclusion, the Measurement Uncertainty of test has been considered.

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Uncertainty and Compliance – Unless the standard specifically states that measured values are to be extended by the measurement uncertainty in determining compliance, all compliance determinations are based on the actual measured value

### 3.5 Equipment Modification

Any modifications installed previous to testing by Datalogic ADC S.r.l. will be incorporated in each production model sold / leased in the United States.

No modifications were installed by Intertek Testing Services Shenzhen Ltd. Guangzhou Branch.

### 3.6 Support Equipment List and Description

This product was tested with corresponding support equipment as below:

Support Equipment:

| Equipment                         | Model No.       | Rating                                                          | Supplier |
|-----------------------------------|-----------------|-----------------------------------------------------------------|----------|
| Adapter                           | E018-1A120150C8 | Input: 12VDC/24VDC<br>Output: 5VDC 3.0A/9VDC<br>2.0A/12DC V1.5A | Clinet   |
| Battery                           | 38B19L-MFZ      | DC 12V                                                          | Intertek |
| Mobile phone                      | AELWF           | 5V/2A                                                           | Clinet   |
| USB Cable                         | 12V Sync Cable  | 1.5m length(unshielded)                                         | Clinet   |
| Car cigarette lighter& Power cord | --              | 450mm length(unshielded)                                        | Intertek |

**Remark:** the Mobile phone was one of typical client devices, it's selected such that the EUT was fully exercised at maximum power from its transmitter. It will not be sold together.

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested based on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above evaluated respectively

| Pre-test mode | Description                    |                                                                                                                       |
|---------------|--------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Standby Mode  | kept transmitting continuously |                                                                                                                       |
| Charging Mode | CH: Low                        | Mobile phone is charging at 1% battery power, 50% and 99% battery power respectively, keep transmitting continuously. |
|               | CH: Middle                     |                                                                                                                       |
|               | CH: High                       |                                                                                                                       |

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For Radiated Emission:

Pre-test all modes listed above, find the worst case as: wireless charging at low channel for Mobile at 1% battery power.

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### 4.0 Radiated Emission

Test Requirement:

FCC PART 15 C section 15.209 (a)(f)

§ 15.209 (a) Except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

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

Measurements were conducted at 3 meters, and the data was extrapolated to the specified measurement distances of 30 meters or 300 meters using an inverse-square law extrapolation factor (40 dB per decade) in accordance with §15.31(f)(2).

(f) In accordance with §15.33(a), in some cases the emissions from an intentional radiator must be measured to beyond the tenth harmonic of the highest fundamental frequency designed to be emitted by the intentional radiator because of the incorporation of a digital device. If measurements above the tenth harmonic are so required, the radiated emissions above the tenth harmonic shall comply with the general radiated emission limits applicable to the incorporated digital device, as shown in §15.109 and as based on the frequency of the emission being measured, or, except for emissions contained in the restricted frequency bands shown in §15.205, the limit on spurious emissions specified for the intentional radiator, whichever is the higher limit. Emissions which must be measured above the tenth harmonic of the highest fundamental frequency designed to be emitted by the intentional radiator and which fall within the restricted bands shall comply with the general radiated emission limits in §15.109 that are applicable to the incorporated digital device.

Test Method:

ANSI C63.10: Clause 6.4 and 6.5.

Test Status:

Pre-Scan has been conducted to determine the worst-case mode from all possible configuration.

Test site:

Measurement Distance: 3m (Semi-Anechoic Chamber)

Detector:

Peak detector:  
RBW=200 Hz for 9 kHz to 150 kHz  
RBW=9 kHz for 150 kHz to 30 MHz  
RBW=120 kHz for 30 MHz to 1GHz  
Sweep = auto  
Trace = max hold

Field Strength Calculation:

The field strength is calculated by adding the reading on the Spectrum Analyzer to the factors associated with preamplifiers (if

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any), antennas, cables, pulse desensitization and average factors (when specified limit is in average and measurements are made with peak detectors). A sample calculation is included below:

$$FS = RA + AF + CF - AG + PD + AV$$

$$FS = RA + \text{Correct Factor} + AV$$

FS = Field Strength in dB $\mu$ V/m

Where:

RA = Receiver Amplitude (including preamplifier) in dB $\mu$ V

AF = Antenna Factor in dB

CF = Cable Attenuation Factor in dB

AG = Amplifier Gain in dB

PD = Pulse Desensitization in dB

AV = Average Factor in -dB

$$\text{Correct Factor} = AF + CF - AG + PD$$

In the radiated emission table which follows, the reading shown on the data table may reflect the preamplifier gain. An example of the calculations, where the reading does not reflect the preamplifier gain, follows:

$$FS = RA + AF + CF - AG + PD + AV$$

Assume a receiver reading of 62.0 dB $\mu$ V is obtained. The antenna factor of 7.4 dB and cable factor of 1.6 dB is added. The amplifier gain of 29 dB is subtracted. The pulse desensitization factor of the spectrum analyzer was 0 dB, and the resultant average factor was -10 dB. The net field strength for comparison to the appropriate emission limit is 32 dB $\mu$ V/m.

$$RA = 62.0 \text{ dB}\mu\text{V}$$

$$AF = 7.4 \text{ dB}$$

$$CF = 1.6 \text{ dB}$$

$$AG = 29.0 \text{ dB}$$

$$PD = 0 \text{ dB}$$

$$AV = -10 \text{ dB}$$

$$\text{Correct Factor} = 7.4 + 1.6 - 29.0 + 0 = -20 \text{ dB}$$

$$FS = 62 + (-20) + (-10) = 32 \text{ dB}\mu\text{V/m}$$

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Section 15.205 Restricted bands of operation.

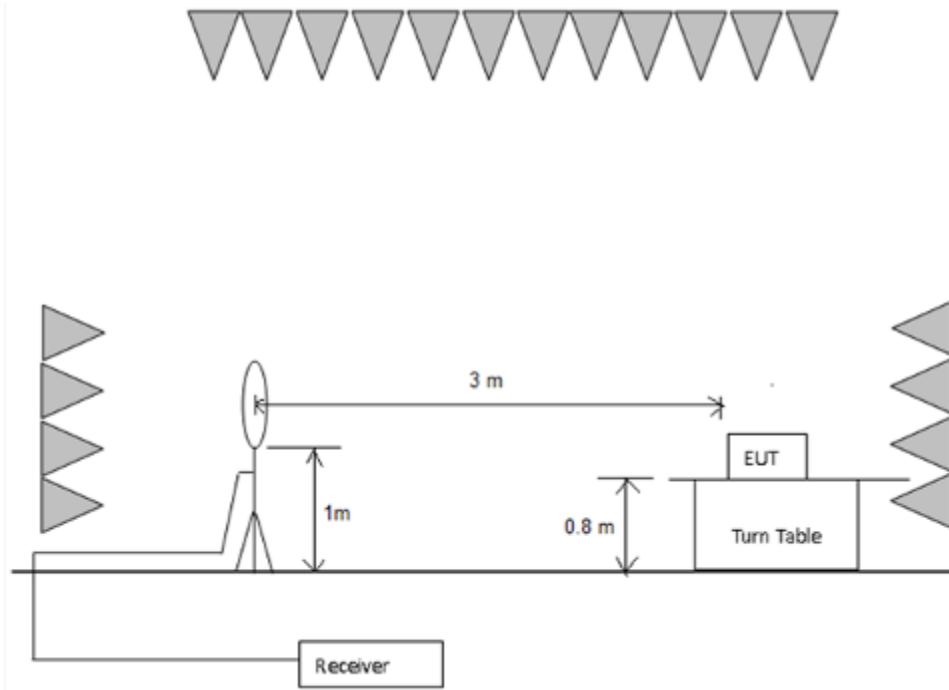
| MHz                        | MHz                 | MHz             | GHz           |
|----------------------------|---------------------|-----------------|---------------|
| 0.090 - 0.110              | 16.42 - 16.423      | 399.9 - 410     | 4.5 - 5.15    |
| <sup>1</sup> 0.495 - 0.505 | 16.69475 - 16.69525 | 608 - 614       | 5.35 - 5.46   |
| 2.1735 - 2.1905            | 16.80425 - 16.80475 | 960 - 1240      | 7.25 - 7.75   |
| 4.125 - 4.128              | 25.5 - 25.67        | 1300 - 1427     | 8.025 - 8.5   |
| 4.17725 - 4.17775          | 37.5 - 38.25        | 1435 - 1626.5   | 9.0 - 9.2     |
| 4.20725 - 4.20775          | 73 - 74.6           | 1645.5 - 1646.5 | 9.3 - 9.5     |
| 6.215 - 6.218              | 74.8 - 75.2         | 1660 - 1710     | 10.6 - 12.7   |
| 6.26775 - 6.26825          | 108 - 121.94        | 1718.8 - 1722.2 | 13.25 - 13.4  |
| 6.31175 - 6.31225          | 123 - 138           | 2200 - 2300     | 14.47 - 14.5  |
| 8.291 - 8.294              | 149.9 - 150.05      | 2310 - 2390     | 15.35 - 16.2  |
| 8.362 - 8.366              | 156.52475 -         | 2483.5 - 2500   | 17.7 - 21.4   |
| 8.37625 - 8.38675          | 156.52525           | 2655 - 2900     | 22.01 - 23.12 |
| 8.41425 - 8.41475          | 156.7 - 156.9       | 3260 - 3267     | 23.6 - 24.0   |
| 12.29 - 12.293             | 162.0125 - 167.17   | 3332 - 3339     | 31.2 - 31.8   |
| 12.51975 - 12.52025        | 167.72 - 173.2      | 3345.8 - 3358   | 36.43 - 36.5  |
| 12.57675 - 12.57725        | 240 - 285           | 3600 - 4400     |               |
| 13.36 - 13.41              | 322 - 335.4         |                 |               |

The field strength of emissions appearing within these frequency bands shall not exceed the limits shown in 15.209.

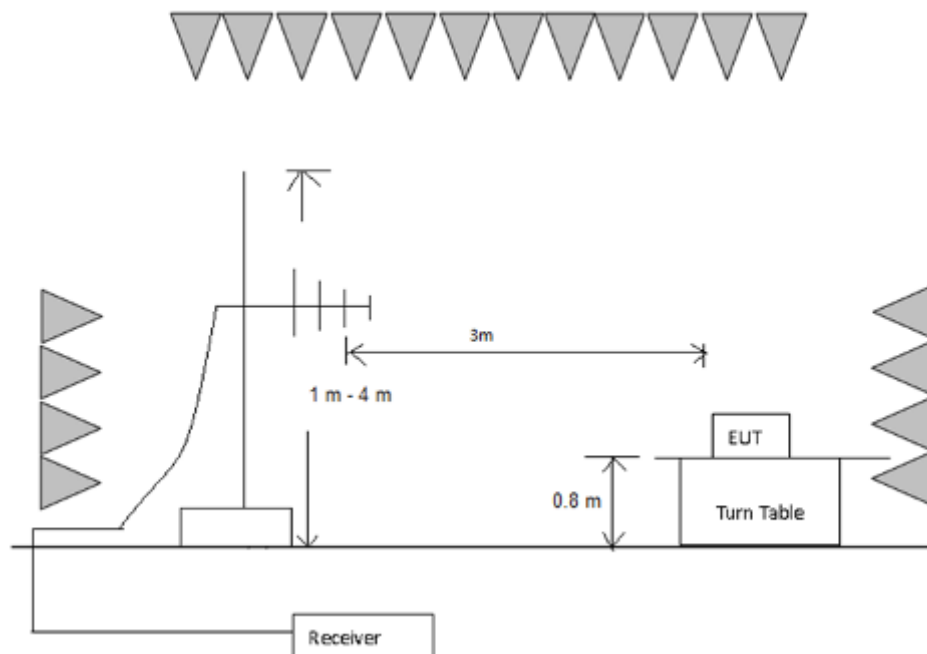
## TEST REPORT

Test Configuration:

1) 9 kHz to 30 MHz emissions:



2) 30 MHz to 1 GHz emissions:



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### Test Procedure:

#### 1) 9 kHz to 30 MHz emissions:

For testing performed with the loop antenna. The lowest of the loop was positioned 1 m above the ground and positioned with its plane vertical at the special distance from the EUT. During testing the loop was rotated about its vertical axis for maximum response at each azimuth and also investigated with the loop positioned in the horizontal plane.

#### 2) 30 MHz to 1 GHz emissions:

For testing performed with the bi-log type antenna. The measurement is performed with the EUT rotated 360°, the antenna height scanned between 1m and 4m, and the antenna rotated to repeat the measurement for both the horizontal and vertical antenna polarizations.

#### 3) The receiver was scanned from 9 kHz to 1 GHz. When an emission was found, the table was rotated to produce the maximum signal strength. An initial pre-scan was performed for in peak detection mode using the receiver. The EUT was measured for both the Horizontal and Vertical polarities and performed a pre-test three orthogonal planes. For intentional radiators, measurements of the variation of the input power or the radiated signal level of the fundamental frequency component of the emission, as appropriate, shall be performed with the supply voltage varied between 85% and 115% of the nominal rated supply voltage. The worst case emissions were reported.

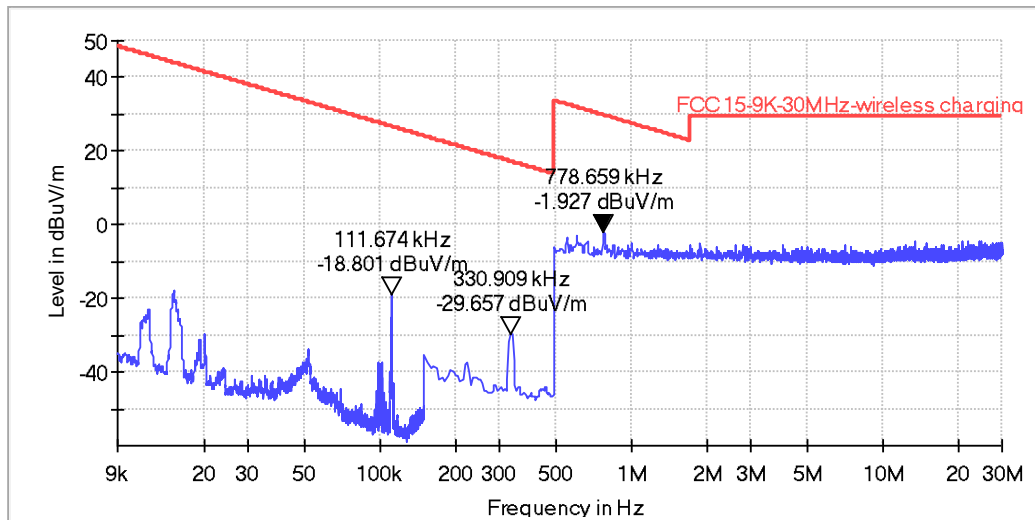
### Used Test Equipment List:

3m Semi-Anechoic Chamber, EMI Test Receiver (9 kHz~7 GHz), Signal and Spectrum Analyzer (10 Hz~40 GHz), Loop antenna (9 kHz-30 MHz). TRILOG Super Broadband test Antenna(30 MHz-3 GHz) (RX), Refer to Clause 4 Test Equipment List for details.

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### Radiated Emissions (Below 30 MHz)

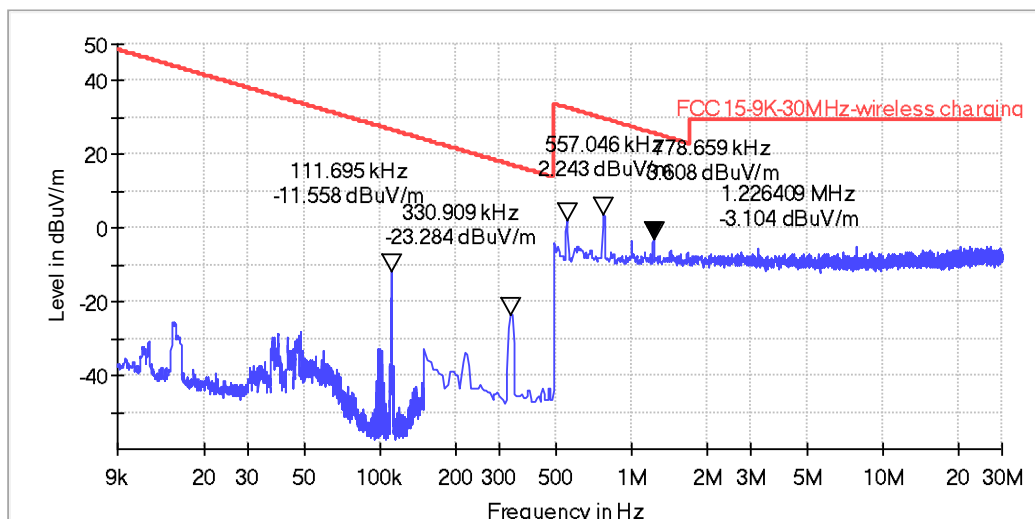
Vertical:



| Frequency (kHz) | Detector | Receiver Reading Level (dBμV) | Correction factors (dB/m) | Emission Level (dBμV/m) @3m | Emission Level (dBμV/m) @300m | Limit (dBμV/m) @300m | Emission Level (dBμV/m) @30m | Limit (dBμV/m) @30m | Margin (dB) |
|-----------------|----------|-------------------------------|---------------------------|-----------------------------|-------------------------------|----------------------|------------------------------|---------------------|-------------|
| 111.7           | Peak     | 40.7                          | 20.5                      | 61.2                        | -18.8                         | 26.6                 | -                            | -                   | 45.4        |
| 330.9           | Peak     | 29.9                          | 20.4                      | 50.3                        | -29.7                         | 17.2                 | -                            | -                   | 46.9        |
| 778.7           | Peak     | 17.7                          | 20.4                      | 38.1                        | -                             | -                    | -1.9                         | 29.8                | 31.7        |

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### Horizontal:



| Frequency (kHz) | Detector | Receiver Reading Level (dBμV) | Correction factors (dB/m) | Emission Level (dBμV/m) @3m | Emission Level (dBμV/m) @300m | Limit (dBμV/m) @300m | Emission Level (dBμV/m) @30m | Limit (dBμV/m) @30m | Margin (dB) |
|-----------------|----------|-------------------------------|---------------------------|-----------------------------|-------------------------------|----------------------|------------------------------|---------------------|-------------|
| 111.7           | Peak     | 47.9                          | 20.5                      | 68.4                        | -11.6                         | 26.6                 | -                            | -                   | 38.2        |
| 330.9           | Peak     | 36.3                          | 20.4                      | 56.7                        | -23.3                         | 17.2                 | -                            | -                   | 40.5        |
| 557.0           | Peak     | 21.8                          | 20.4                      | 42.2                        | -                             | -                    | 2.2                          | 32.7                | 30.5        |
| 778.7           | Peak     | 23.2                          | 20.4                      | 43.6                        | -                             | -                    | 3.6                          | 29.8                | 26.2        |
| 1226.4          | Peak     | 16.6                          | 20.3                      | 36.9                        | -                             | -                    | -3.1                         | 25.8                | 28.9        |

The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.

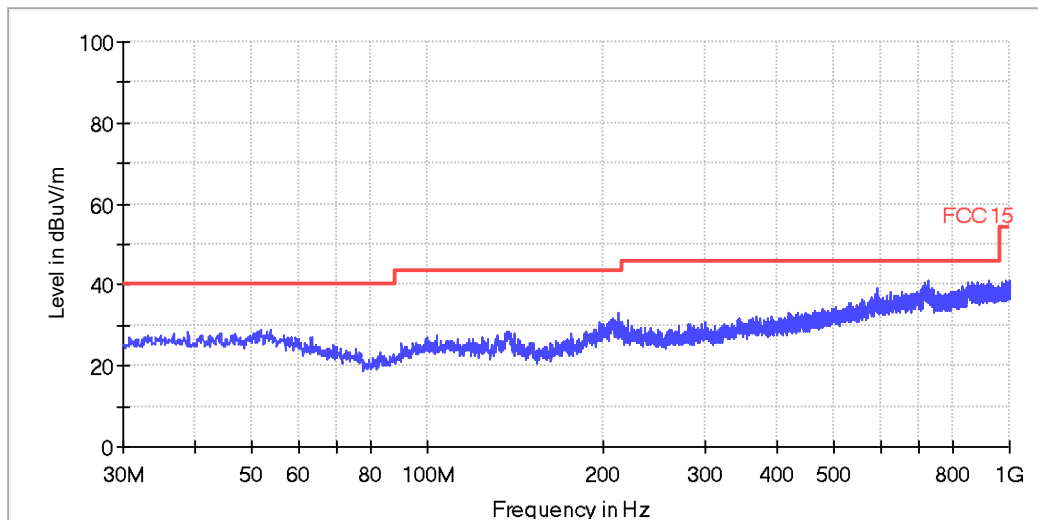
#### Remark:

1. Corr. (dB) = Antenna Factor (dB) + Cable Loss (dB)
2. Level (dBμV/m) = Corr. (dB) + Read Level (dBμV)
3. Margin (dB) = Limit (dBμV/m) - Level (dBμV/m)
4. Limit [dBμV/m] = 20 \* Log (Limit [μV/m])
5. Only record the date closed to limit
6. The emission is worst case on Horizontal
7. When Peak emission level was below AV or QP limit, the AV and QP emission level was not recorded.
8. Distance Extrapolation Factor [dB] = 20 log<sub>10</sub>(300/3)<sup>2</sup> = 80dB [For emissions within 9kHz-490kHz]
9. Distance Extrapolation Factor [dB] = 20 log<sub>10</sub>(30/3)<sup>2</sup> = 40dB [For emissions within 490kHz-30MHz]
10. All emission levels are more than 6 dB below the limit.

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30 MHz~1 GHz Spurious Emissions. Quasi-Peak Measurement

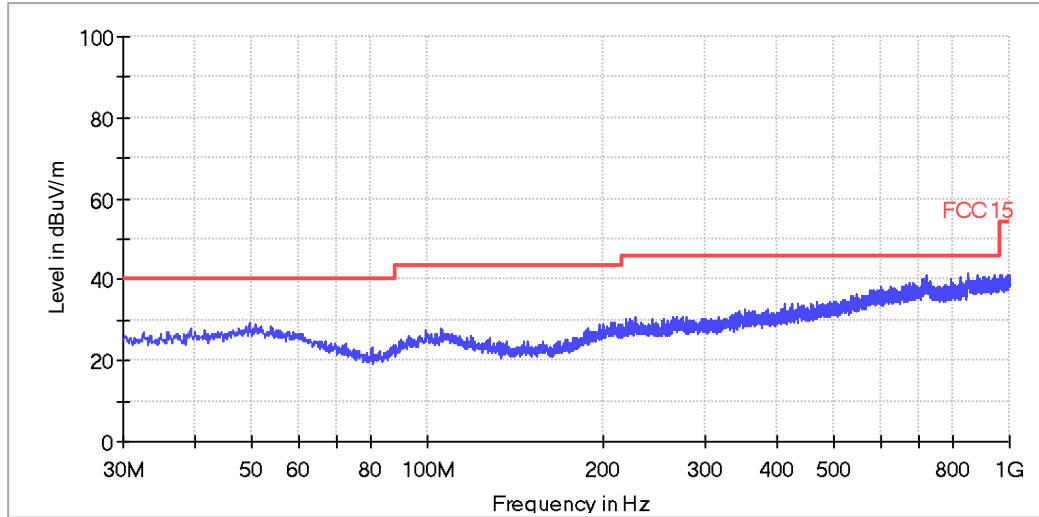
**Vertical:**



All emission levels are more than 6 dB below the limit.

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Horizontal:



All emission levels are more than 6 dB below the limit.

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### 5.0 Occupied Bandwidth

Test Method: FCC PART 15 C section 15.215

Test Status: Test in transmitting mode.

Requirements: Bandwidth may otherwise be specified in the specific rule section under which the equipment operates, is contained within the frequency band designated in the rule section under which the equipment is operated.

Method of measurement: The useful radiated emission from the EUT was detected by the spectrum analyzer with peak detector. Record the 99% bandwidth of the main frequency.

#### Used Test Equipment List

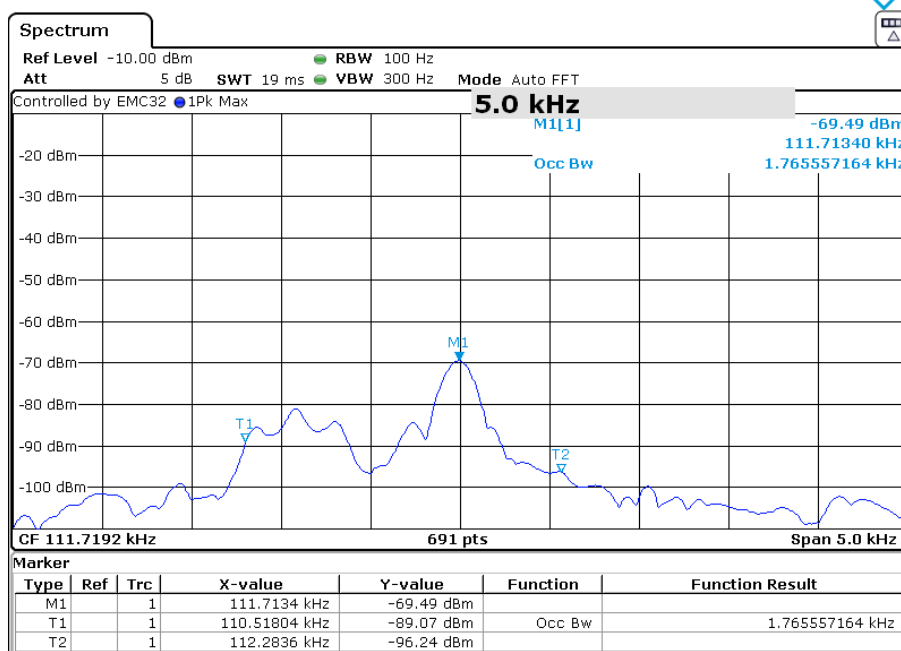
Spectrum Analyzer. Refer to Clause 7 Test Equipment List for details.

#### Test result:

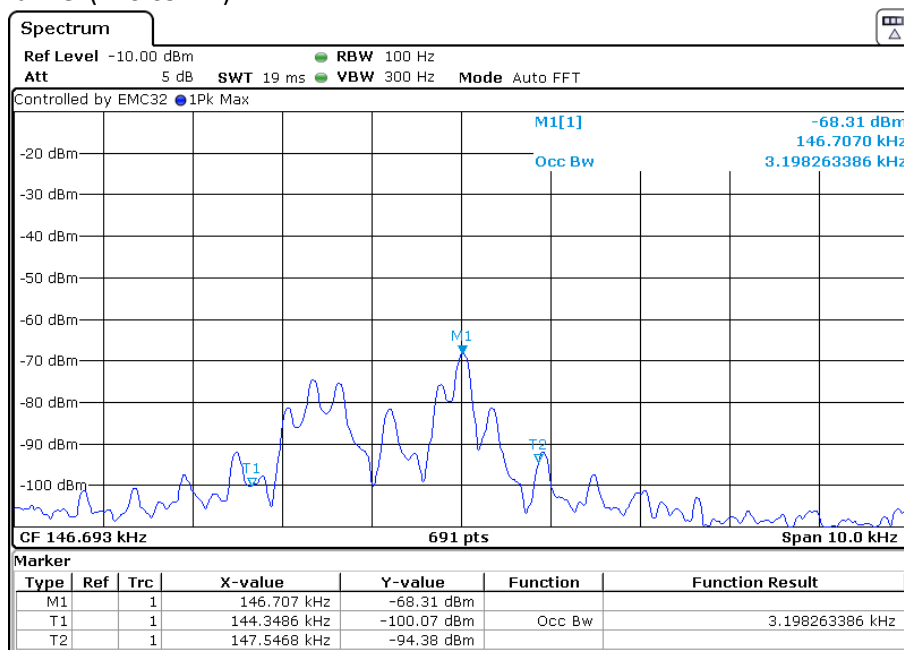
| Test Channel                | bandwidth | Limit |
|-----------------------------|-----------|-------|
| Lowest channel (111.72kHz)  | 1.8 kHz   | /     |
| Highest channel (146.69kHz) | 3.2 kHz   |       |

## TEST REPORT

Lowest channel (111.72kHz)



Highest channel (146.69kHz)



## TEST REPORT

### 6.0 Conducted Emission Test

Test result:N/A

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### 7.0 Test Equipment List

#### Radiated Disturbance (9 kHz-30 MHz)

| Equipment No. | Equipment                             | Model     | Manufacturer | Cal. Due date (DD-MM-YYYY) | Last calibration date (DD-MM-YYYY) |
|---------------|---------------------------------------|-----------|--------------|----------------------------|------------------------------------|
| EM030-04      | 3m Semi-Anechoic Chamber              | 9×6×6 m3  | ETS-LINDGREN | 08/04/2026                 | 09/04/2025                         |
| EM031-02      | EMI Test Receiver (9 kHz~7 GHz)       | R&S ESR7  | R&S          | 10/11/2025                 | 11/11/2024                         |
| EM011-04      | Loop antenna (9 kHz-30 MHz)           | HFH2-Z2   | R&S          | 07/07/2025                 | 08/07/2024                         |
| EM031-02-01   | Coaxial cable                         | /         | R&S          | 09/04/2026                 | 10/04/2025                         |
| SA047-118     | Digital Temperature-Humidity Recorder | RS210     | YIJIE        | 15/07/2025                 | 16/07/2024                         |
| EM031-04-01   | EMC32 software (RE/RS)                | V10.01.00 | R&S          | N/A                        | N/A                                |

#### Radiated Disturbance (30 MHz-1 GHz)

| Equipment No. | Equipment                                        | Model     | Manufacturer | Cal. Due date (DD-MM-YYYY) | Last calibration date (DD-MM-YYYY) |
|---------------|--------------------------------------------------|-----------|--------------|----------------------------|------------------------------------|
| EM030-04      | 3m Semi-Anechoic Chamber                         | 9×6×6 m3  | ETS-LINDGREN | 08/04/2026                 | 09/04/2025                         |
| EM031-02      | EMI Test Receiver (9 kHz~7 GHz)                  | R&S ESR7  | R&S          | 10/11/2025                 | 11/11/2024                         |
| EM033-01      | TRILOG Super Broadband test Antenna (30MHz-3GHz) | VULB 9163 | SCHWARZBECK  | 08/12/2025                 | 09/12/2024                         |
| EM031-02-01   | Coaxial cable                                    | /         | R&S          | 09/04/2026                 | 10/04/2025                         |
| SA047-118     | Digital Temperature-Humidity Recorder            | RS210     | YIJIE        | 15/07/2025                 | 16/07/2024                         |
| EM031-04-01   | EMC32 software (RE/RS)                           | V10.01.00 | R&S          | N/A                        | N/A                                |

#### 20dB Bandwidth:

| Equipment No. | Equipment                                   | Model     | Manufacturer | Cal. Due date (YYYY-MM-DD) | Calibration Interval |
|---------------|---------------------------------------------|-----------|--------------|----------------------------|----------------------|
| EM031-03      | Signal and Spectrum Analyzer (10 Hz~40 GHz) | R&S FSV40 | R&S          | 2025-11-10                 | 1Y                   |

\*\*\*\*\*End of the test report\*\*\*\*\*