







TEST REPORT



Test report no.: 1-7881-24-01-02_TR1-R02

Testing laboratory

cetecom advanced GmbH

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Accredited Testing Laboratory:

The testing laboratory (area of testing) is accredited according to DIN EN ISO/IEC 17025 (2018-03) by the Deutsche Akkreditierungsstelle GmbH

The accreditation is valid for the scope of testing procedures as stated in the accreditation certificate with the registration number:

D-PL-12047-01-00.

ISED Testing Laboratory Recognized Listing Number: DE0001

FCC designation number: DE0002

Applicant

Pilz GmbH & Co. KG

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73760 Ostfildern / GERMANY
Phone: +49 711 3409-0
Contact: Erich Schlotterbeck
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Manufacturer

Pilz GmbH & Co. KG

Felix-Wankel-Straße 2 73760 Ostfildern / GERMANY

Test standard/s

FCC - Title 47 CFR Part 15 FCC - Title 47 of the Code of Federal Regulations; Chapter I; Part 15 - Radio

frequency devices

RSS - 210 Issue 10 incl. Spectrum Management and Telecommunications Radio Standards Specification

Amendment - Licence-Exempt Radio Apparatus: Category I Equipment

RSS - Gen Issue 5 incl. Spectrum Management and Telecommunications Radio Standards Specification

Amendment 1 & 2 - General Requirements for Compliance of Radio Apparatus

For further applied test standards please refer to section 3 of this test report.

Test Item

Kind of test item: Safety gate system
Model name: PSENmgate1
FCC ID: VT8-PSENMG1
ISED certification number: 7482A-PSENMG1

Frequency: 125 kHz
Technology tested: RFID

Antenna: Integrated antenna

Power supply: 19.2 V to 28.8 V DC by external power supply

Temperature range: -20°C to +55°C

This test report is electronically signed and valid without handwritten signature. For verification of the electronic signatures, the public keys can be requested at the testing laboratory.

| Test report authorized: | Test performed: |
|------------------------------------|--|
| | |
| Christoph Schneider Lab Manager | Hans-Joachim Wolsdorfer Lab Manager |
| Radio Lahs | Radio Labs |



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2 General information

2.1 Notes and disclaimer

The test results of this test report relate exclusively to the test item specified in this test report. cetecom advanced GmbH does not assume responsibility for any conclusions and generalizations drawn from the test results with regard to other specimens or samples of the type of the equipment represented by the test item.

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This test report replaces the test report with the number 1-7881-24-01-02_TR1-R01and dated 2024-06-03

2.2 Application details

 Date of receipt of order:
 2024-04-22

 Date of receipt of test item:
 2024-05-10

 Start of test:*
 2024-05-20

 End of test:*
 2024-05-24

Person(s) present during the test: -/-

2.3 Test laboratories sub-contracted

None

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^{*}Date of each measurement, if not shown in the plot, can be requested. Dates are stored in the measurement software.



3 Test standard/s, references and accreditations

| Test standard | Date | Description |
|--|------------------|--|
| FCC - Title 47 CFR Part 15 | | FCC - Title 47 of the Code of Federal Regulations; Chapter I; Part 15 - Radio frequency devices |
| RSS - 210 Issue 10 incl. Amendment | April 2020 | Spectrum Management and Telecommunications Radio Standards Specification - Licence-Exempt Radio Apparatus: Category I Equipment |
| RSS - Gen Issue 5 incl. Amendment 1 & 2 | February 2021 | Spectrum Management and Telecommunications Radio Standards Specification - General Requirements for Compliance of Radio Apparatus |
| Guidance | Version | Description |
| ANSI C63.4-2014 ANSI C63.10-2013 | -/- | American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices |

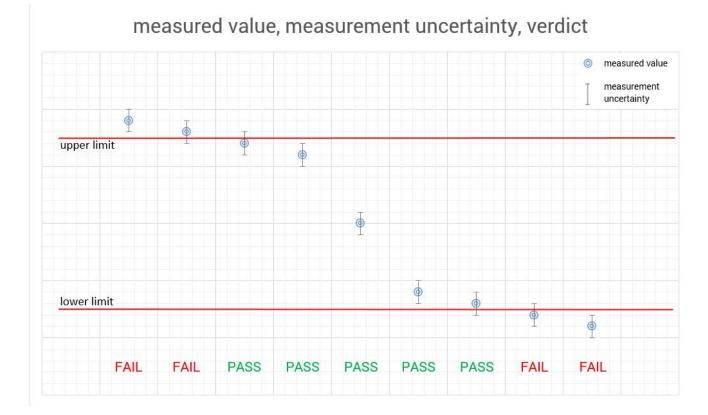
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4 Reporting statements of conformity - decision rule

Only the measured values related to their corresponding limits will be used to decide whether the equipment under test meets the requirements of the test standards listed in chapter 3.

The measurement uncertainty is mentioned in this test report, see chapter 8, but is not taken into account - neither to the limits nor to the measurement results. Measurement results with a smaller margin to the corresponding limits than the measurement uncertainty have a potential risk of more than 5% that the decision might be wrong."



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5 Test environment

| Temperature | : | T _{nom} T _{max} T _{min} | +22 °C during room temperature tests +55 °C -20 °C Testing under extreme temperature conditions not required. |
|---------------------------|---|---|--|
| Relative humidity content | | | 55 % |
| Barometric pressure | | | 1021 hpa |
| Power supply | | $\begin{matrix} V_{nom} \\ V_{max} \\ V_{min} \end{matrix}$ | 24.0 V DC by external power supply 28.8 V 19.2 V Testing under extreme voltage conditions not required. |

6 Test item

6.1 General description

| Kind of test item : | Safety gate system |
|--|--|
| Model name : | PSENmgate1 |
| HMN : | -/- |
| PMN : | PSEN mg1 |
| HVIN : | MG01 |
| FVIN : | -/- |
| S/N serial number : | SH000004488 |
| Hardware status : | 1.0 |
| Software status : | 1.01 |
| Firmware status : | -/- |
| Frequency band : | 125 kHz |
| Type of radio transmission: Use of frequency spectrum: | modulated carrier |
| Type of modulation : | ASK |
| Number of channels : | 1 |
| Antenna : | Integrated antenna |
| Power supply : | 19.2 V to 28.8 V DC by external power supply |
| Temperature range : | -20°C to +55°C |

6.2 Additional information

The content of the following annexes is defined in the QA. It may be that not all of the listed annexes are necessary for this report, thus some values in between may be missing.

Test setup and EUT photos are included in test report: 1-7881-24-01-01_TR1-A101-R01

1-7881-24-01-01_TR1-A102-R01 1-7881-24-01-01_TR1-A104-R01

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7 Description of the test setup

Typically, the calibrations of the test apparatus are commissioned to and performed by an accredited calibration laboratory. The calibration intervals are determined in accordance with the DIN EN ISO/IEC 17025. In addition to the external calibrations, the laboratory executes comparison measurements with other calibrated test systems or effective verifications. Weekly chamber inspections and range calibrations are performed. Where possible, RF generating and signaling equipment as well as measuring receivers and analyzers are connected to an external high-precision 10 MHz reference (GPS-based or rubidium frequency standard).

In order to simplify the identification of the equipment used at some special tests, some items of test equipment and ancillaries can be provided with an identifier or number in the equipment list below (Lab/Item).

Each block diagram listed can contain several test setup configurations. All devices belonging to a test setup are identified with the same letter syntax. For example: Column Setup and all devices with an A.

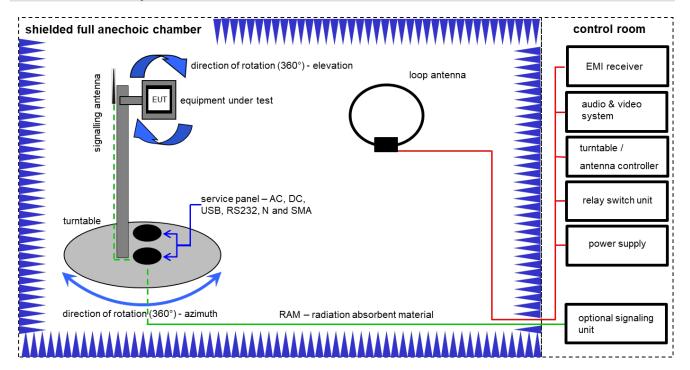
Agenda: Kind of Calibration

| k | calibration / calibrated | EK | limited calibration |
|-------|--|-----|--|
| ne | not required (k, ev, izw, zw not required) | ZW | cyclical maintenance (external cyclical |
| | | | maintenance) |
| ev | periodic self verification | izw | internal cyclical maintenance |
| Ve | long-term stability recognized | g | blocked for accredited testing |
| vlkl! | Attention: extended calibration interval | | |
| NK! | Attention: not calibrated | *) | next calibration ordered / currently in progress |

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7.1 Shielded fully anechoic chamber



Measurement distance: loop antenna 1 meter

FS = UR + CA + AF

(FS-field strength; UR-voltage at the receiver; CA-loss of the signal path; AF-antenna factor)

Example calculation:

FS $[dB\mu V/m] = 40.0 [dB\mu V/m] + (-35.8) [dB] + 32.9 [dB/m] = 37.1 [dB\mu V/m] (71.61 \(\mu V/m \))$

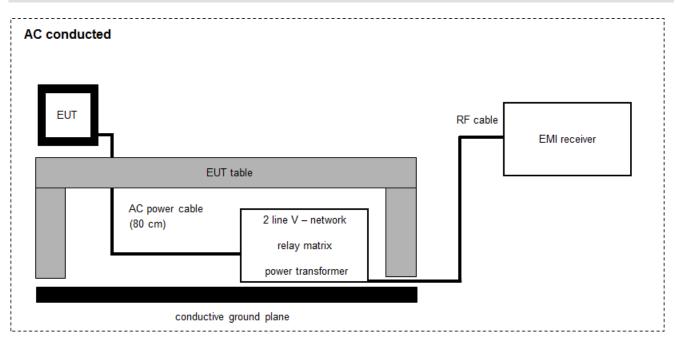
Equipment table:

| No. | Setup | Equipment | Туре | Manufacturer | Serial No. | INV. No. | Kind of Calibration | Last Calibration | Next Calibration |
|-----|-------|--|-------------------------|-------------------------|------------|-----------|------------------------|------------------|---------------------|
| 1 | Α | Active Loop Antenna 9 kHz to 30 MHz | 6502 | EMCO | 2210 | 300001015 | vIKI! | 02.08.2023 | 31.08.2025 |
| 2 | Α | 4U RF Switch Platform | L4491A | Agilent Technologies | MY50000032 | 300004510 | ne | -/- | -/- |
| 3 | Α | NEXIO EMV- Software | BAT EMC V2022.0.32.0 | Nexio | | 300004682 | ne | -/- | -/- |
| 4 | Α | Anechoic chamber | | TDK | | 300003726 | ne | -/- | -/- |
| 5 | Α | EMI Test Receiver 9kHz-26,5GHz | ESR26 | Rohde & Schwarz | 101376 | 300005063 | k | 15.01.2024 | 31.01.2025 |
| 6 | Α | Power Supply | HMP2020 | Rohde & Schwarz | 120626 | 300006408 | k | 02.05.2023 | 31.05.2025 |

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7.2 AC conducted



FS = UR + CF + VC

(FS-field strength; UR-voltage at the receiver; CR-loss of the cable and filter; VC-correction factor of the ISN)

Example calculation:

FS $[dB\mu V/m] = 37.62 [dB\mu V/m] + 9.90 [dB] + 0.23 [dB] = 47.75 [dB\mu V/m] (244.06 <math>\mu V/m$)

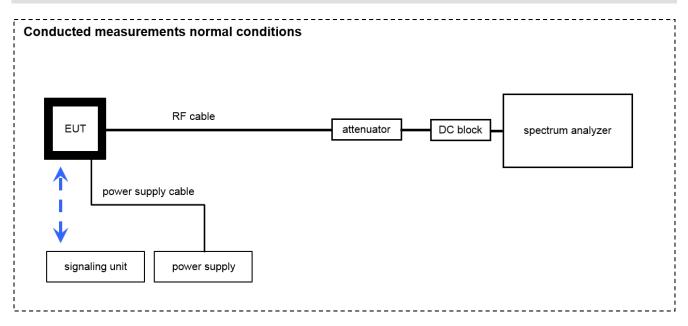
Equipment table:

| No. | Setup | Equipment | Туре | Manufacturer | Serial No. | INV. No. | Kind of Calibration | Last Calibration | Next Calibration |
|-----|-------|---|---------|---|---------------------|-----------|------------------------|------------------|---------------------|
| 1 | А | Two-line V-Network (LISN) 9 kHz to 30 MHz | ESH3-Z5 | Rohde & Schwarz | 892475/017 | 300002209 | vlKI! | 12.12.2023 | 31.12.2025 |
| 2 | Α | RF-Filter-section | 85420E | HP | 3427A00162 | 300002214 | NK! | -/- | -/- |
| 3 | Α | Hochpass 150 kHz | EZ-25 | R&S | 100010 | 300003798 | ev | -/- | -/- |
| 4 | Α | PC | TecLine | F+W | | 300003532 | ne | -/- | -/- |
| 5 | А | Analyzer- Impedence-System | AIS16/1 | Spitzenberger + Spies GmbH & Co. KG | U02076 07/0 1023 | 400001751 | k | 19.10.2023 | 31.10.2025 |
| 6 | А | EMI Test Receiver 3.6 GHz | ESR3 | Rohde & Schwarz | 102981 | 300006318 | k | 08.12.2023 | 31.12.2024 |

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7.3 Conducted measurements



OP = AV + CA

(OP-output power; AV-analyzer value; CA-loss signal path)

Example calculation:

OP [dBm] = 6.0 [dBm] + 11.7 [dB] = 17.7 [dBm] (58.88 mW)

Equipment table:

| No. | Setup | Equipment | Туре | Manufacturer | Serial No. | INV. No. | Kind of Calibration | Last Calibration | Next Calibration |
|-----|-------|-----------------|---------|------------------|------------|-----------|------------------------|---------------------|---------------------|
| 1 | Α | Loop Antenna | | ZEG TS Steinfurt | | 400001208 | ev | -/- | -/- |
| 2 | Α | Signal analyzer | FSW26 | Rohde&Schwarz | 101371 | 300005697 | k | 07.12.2023 | 31.12.2024 |
| 3 | Ā | Power Supply | HMP2020 | Rohde & Schwarz | 101961 | 300006102 | k | 15.12.2022 | 31.12.2024 |

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8 Sequence of testing

8.1 Sequence of testing radiated spurious 9 kHz to 30 MHz

Setup

- The equipment is set up to simulate normal operation mode as described in the user manual or defined by the manufacturer.
- If the EUT is a tabletop system, it is placed on a table with 0.8 m height.
- If the EUT is a floor standing device, it is placed directly on the turn table.
- Auxiliary equipment and cables are positioned to simulate normal operation conditions as described in ANSI C 63.4.
- The AC power port of the EUT (if available) is connected to a power outlet below the turntable.
- Measurement distance is 3 m (see ANSI C 63.4) see test details.
- EUT is set into operation.

Premeasurement*

- The turntable rotates from 0° to 315° using 45° steps.
- The antenna height is 1 m.
- At each turntable position the analyzer sweeps with positive-peak detector to find the maximum of all
 emissions.

Final measurement

- Identified emissions during the pre-measurement are maximized by the software by rotating the turntable from 0° to 360°.
- Loop antenna is rotated about its vertical axis for maximum response at each azimuth about the EUT.
 (For certain applications, the loop antenna plane may also need to be positioned horizontally at the specified distance from the EUT)
- The final measurement is done in the position (turntable and elevation) causing the highest emissions with quasi-peak (as described in ANSI C 63.4).
- Final levels, frequency, measuring time, bandwidth, turntable position, correction factor, margin to the limit and limit will be recorded. A plot with the graph of the premeasurement and the limit is stored.

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^{*)}Note: The sequence will be repeated three times with different EUT orientations.



9 Measurement uncertainty

| Measurement uncertainty | | | | | | |
|--|------------|--|--|--|--|--|
| Test case Uncertainty | | | | | | |
| Occupied bandwidth | ± used RBW | | | | | |
| Field strength of the fundamental | ± 3 dB | | | | | |
| Field strength of the harmonics and spurious | ± 3 dB | | | | | |
| Receiver spurious emissions and cabinet radiations | ± 3 dB | | | | | |
| Conducted limits | ± 2.6 dB | | | | | |

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10 Summary of measurement results

| \boxtimes | No deviations from the technical specifications were ascertained |
|-------------|---|
| | There were deviations from the technical specifications ascertained |
| | This test report is only a partial test report. The content and verdict of the performed test cases are listed below. |

| TC Identifier | Description | Verdict | Date | Remark |
|---------------|------------------|------------|------------|--------|
| | CFR Part 15 | | | |
| RF-Testing | RSS 210 Issue 10 | See table! | 2024-06-10 | -/- |
| | RSS Gen Issue 5 | | | |

| Test specification clause | Test case | Temperature conditions | Power source conditions | С | NC | NA | NP | Remark |
|---------------------------------------|--|------------------------|-------------------------|-------------|----|----|----|--------|
| RSS Gen Issue 4 (6.6) | Occupied bandwidth | Nominal | Nominal | \boxtimes | | | | -/- |
| § 15.209 | Field strength of the fundamental | Nominal | Nominal | \boxtimes | | | | -/- |
| § 15.209 RSS Gen Issue 4 (6.13) | Field strength of the harmonics and spurious | Nominal | Nominal | \boxtimes | | | | -/- |
| §15.107 §15.207 | Conducted limits | Nominal | Nominal | \boxtimes | | | | -/- |

Note: NA = Not applicable; NP = Not performed; C = Compliant; NC = Not compliant

11 Additional comments

Reference documents: None

Special test descriptions: None

Configuration descriptions: AC conducted measurement has been performed by the use of an AC/DC

Adapter from Mean Well HLG-60H-24

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12 Measurement results

12.1 Occupied bandwidth

Measurement:

The emission bandwidth (x dB) is defined as the frequency range between two points, one above and one below the carrier frequency, at which the spectral density of the emission is attenuated x dB below the maximum inband spectral density of the modulated signal.

| Measurement parameters | | | |
|--------------------------|-------------------------------------|--|--|
| Detector: | Peak | | |
| Resolution bandwidth: | 1 % - 5 % of the occupied bandwidth | | |
| Video bandwidth: | ≥ 3x RBW | | |
| Trace mode: | Max hold | | |
| Analyser function: | 99 % power function | | |
| Used test setup: | See sub clause 7.3A | | |
| Measurement uncertainty: | See sub clause 8 | | |

Limit:

| IC | | |
|---|--|--|
| for RSP-100 test report coversheet only | | |

Result:

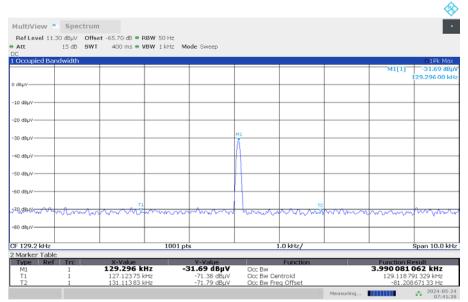
| 99% emission bandwidth |
|------------------------|
| 3.9 kHz |

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Plot:

Plot 1:99 % emission bandwidth



07:41:38 AM 05/24/2024



12.2 Field strength of the fundamental

Measurement:

The maximum detected field strength for the carrier signal.

| Measurement parameters | | | |
|--------------------------|---------------------|--|--|
| Detector: | average | | |
| Resolution bandwidth: | 200Hz | | |
| Video bandwidth: | ≥ 3x RBW | | |
| Trace mode: | Max hold | | |
| Used test setup | See sub clause 7.1A | | |
| Measurement uncertainty: | See sub clause 8 | | |

Limit:

| FCC & IC | | | |
|--------------------|--------------------------------|-----------------------------|--|
| Frequency (MHz) | Field strength (μV/m) | Measurement distance (m) | |
| 0.009 - 0.490 | 2400 / f (kHz) 25.66 dΒμV/m | 30 | |

Recalculation:

| According to ANSI C63.10 | | | | |
|--------------------------|---|--------------------------------|--|--|
| Frequency | Formula | Correction value | | |
| 125 kHz | $FS_{limit} = FS_{max} - 40 \log \left(\frac{d_{\textit{neasure}}}{d_{\textit{measure}}}\right) - 20 \log \left(\frac{d_{\textit{limit}}}{d_{\textit{nearfield}}}\right)$ $FS_{limit} \qquad \text{is the calculation of field strength at the limit distance,} $ $\text{expressed in dB}_{\mu\nu}/m$ $\text{is the measured field strength, expressed in dB}_{\mu\nu}/m$ $\text{is the measured field strength, expressed in dB}_{\mu\nu}/m$ $\text{is the istance of the measurement point from EUT}$ limit $\text{is the reference limit distance}$ | -101.2 dB from 1 m to 300 m | | |

Result:

| Field strength of the fundamental | | | | | |
|-----------------------------------|--------------|---------------|--|--|--|
| Frequency 125 kHz | | | | | |
| Distance | @ 1 m | | | | |
| Measured / calculated value | 70.87 dBμV/m | -30.33 dBμV/m | | | |

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12.3 Field strength of the harmonics and spurious

Measurement:

The maximum detected field strength for the harmonics and spurious.

| Measurement parameters | | | |
|--------------------------|--------------------------------------|--|--|
| Detector: | Quasi peak / average or | | |
| Detector. | peak (worst case - pre-scan) | | |
| | F < 150 kHz: 200 Hz | | |
| Resolution bandwidth: | 150 kHz < F < 30 MHz: 9 kHz | | |
| | 30 MHz < F < 1 GHz: 120 kHz | | |
| | F < 150 kHz: 1 kHz | | |
| Video bandwidth: | 150 kHz < F < 30 MHz: 100 kHz | | |
| | 30 MHz < F < 1 GHz: 300 kHz | | |
| Trace mode: | Max hold | | |
| Used test setup: | 9 kHz to 30 MHz: see sub clause 7.1A | | |
| Measurement uncertainty: | See sub clause 8 | | |

Limit:

| FCC | | | | |
|---------------|-------------------|----------------------|--|--|
| Frequency | Field strength | Measurement distance | | |
| (MHz) | (dBµV/m) | (m) | | |
| 0.009 - 0.490 | 2400/F(kHz) | 300 | | |
| 0.490 - 1.705 | 24000/F(kHz) | 30 | | |
| 1.705 – 30 | 30 (29.5 dBμV/m) | 30 | | |
| 30 – 88 | 100 (40 dBμV/m) | 3 | | |
| 88 - 216 | 150 (43.5 dBµV/m) | 3 | | |
| 216 - 960 | 200 (46 dBμV/m) | 3 | | |

| IC | | | | |
|---------------|-------------------|----------------------|--|--|
| Frequency | Field strength | Measurement distance | | |
| (MHz) | (μA/m) | (m) | | |
| 0.009 - 0.490 | 6.37/F (F in kHz) | 300 | | |
| 0.490 - 1.705 | 63.7/F (F in kHz) | 30 | | |
| 1.705 - 30 | 0.08 (-22 dBμA/m) | 30 | | |

Result:

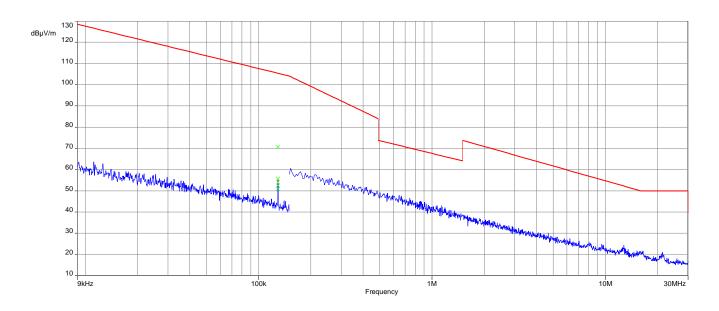
| Detected emissions | | | | |
|---|----------|----------------------------|----------------|--|
| Frequency (MHz) | Detector | Resolution bandwidth (kHz) | Detected value | |
| All detected peak emissions below 30 MHz are more than 20 dB below the average limit. | | | | |
| | | | | |

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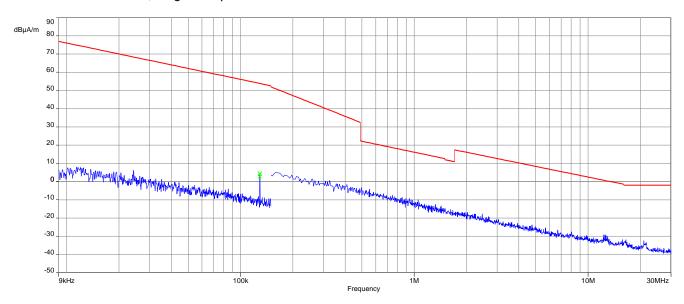


Plots:

Plot 1: 9 kHz - 30 MHz, magnetic spurious emissions FCC



Plot 2: 9 kHz - 30 MHz, magnetic spurious emissions IC



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12.4 Conducted limits

Measurement:

Measurement of the conducted spurious emissions for an intentional radiator that is designed to be connected to the public utility (AC) power line. Measurement performed according to ANSI C63.10, chapter 6.2

| Measurement parameters | | | | | |
|--------------------------|------------------------------|--|--|--|--|
| Detector: | Quasi peak / average or | | | | |
| Detector. | peak (worst case - pre-scan) | | | | |
| Resolution bandwidth: | F < 150 kHz: 200 Hz | | | | |
| Resolution bandwidth. | F > 150 kHz: 9 kHz | | | | |
| Video bandwidth: | F < 150 kHz: 1 kHz | | | | |
| Video bandwidth: | F > 150 kHz: 100 kHz | | | | |
| Trace mode: | Max hold | | | | |
| Used equipment: | See chapter 7.2A | | | | |
| Measurement uncertainty: | See chapter 8 | | | | |

Limit:

| FCC & IC | | | | |
|------------|------------|------------|--|--|
| Frequency | Quasi-peak | Average | | |
| / MHz | / (dBµV/m) | / (dBµV/m) | | |
| 0.15 - 0.5 | 66 to 56* | 56 to 46* | | |
| 0.5 - 5 | 56 | 46 | | |
| 5 - 30.0 | 60 | 50 | | |

Result:

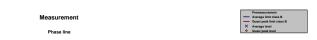
see table below plots

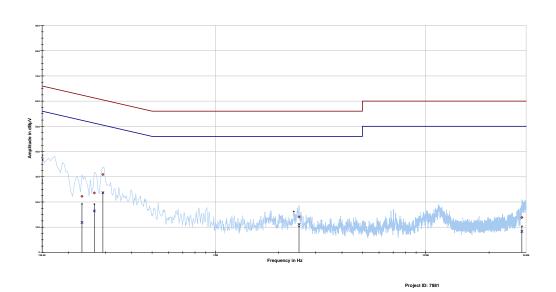
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Plots:

Plot 1: 150 kHz to 30 MHz, phase line





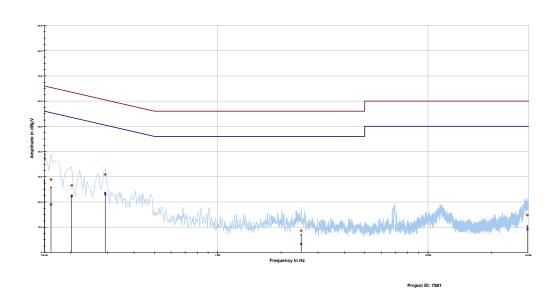
| Frequency | Quasi peak level | Margin quasi peak | Limit QP | Average level | Margin average | Limit AV |
|-----------|---------------------|----------------------|----------|------------------|-------------------|----------|
| MHz | dΒμV | dB | dΒμV | dΒμV | dB | dΒμV |
| 0.150000 | 38.56 | 27.44 | 66.000 | 36.69 | 19.31 | 56.000 |
| 0.232088 | 22.26 | 40.11 | 62.375 | 11.85 | 41.80 | 53.655 |
| 0.265669 | 23.57 | 37.68 | 61.252 | 16.43 | 36.26 | 52.695 |
| 0.291787 | 30.90 | 29.57 | 60.473 | 23.71 | 28.24 | 51.949 |
| 2.496956 | 14.07 | 41.93 | 56.000 | 11.12 | 34.88 | 46.000 |
| 28.645556 | 13.84 | 46.16 | 60.000 | 8.28 | 41.72 | 50.000 |

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Plot 2: 150 kHz to 30 MHz, neutral line





| Frequency | Quasi peak level | Margin quasi peak | Limit QP | Average level | Margin Average | Limit AV |
|-----------|---------------------|----------------------|----------|------------------|-------------------|----------|
| MHz | dBμV | dB | dΒμV | dΒμV | dB | dΒμV |
| 0.150000 | 38.80 | 27.20 | 66.000 | 36.97 | 19.03 | 56.000 |
| 0.161194 | 28.90 | 36.50 | 65.402 | 19.02 | 36.66 | 55.680 |
| 0.202237 | 26.58 | 36.94 | 63.518 | 22.30 | 32.20 | 54.508 |
| 0.291787 | 30.92 | 29.55 | 60.473 | 23.07 | 28.88 | 51.949 |
| 2.493225 | 8.57 | 47.43 | 56.000 | 3.35 | 42.65 | 46.000 |
| 29.675381 | 14.79 | 45.21 | 60.000 | 9.23 | 40.77 | 50.000 |

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13 Glossary

| AVG | Average | | | | |
|------------------|--|--|--|--|--|
| С | Compliant | | | | |
| C/N ₀ | Carrier to noise-density ratio, expressed in dB-Hz | | | | |
| CAC | Channel availability check | | | | |
| CW | Clean wave | | | | |
| DC | Duty cycle | | | | |
| DFS | Dynamic frequency selection | | | | |
| DSSS | Dynamic sequence spread spectrum | | | | |
| DUT | Device under test | | | | |
| EN | European Standard | | | | |
| ETSI | European Telecommunications Standards Institute | | | | |
| EMC | Electromagnetic Compatibility | | | | |
| EUT | Equipment under test | | | | |
| FCC | Federal Communications Commission | | | | |
| FCC ID | Company Identifier at FCC | | | | |
| FHSS | Frequency hopping spread spectrum | | | | |
| FVIN | Firmware version identification number | | | | |
| GNSS | Global Navigation Satellite System | | | | |
| GUE | GNSS User Equipment | | | | |
| HMN | Host marketing name | | | | |
| HVIN | Hardware version identification number | | | | |
| HW | Hardware | | | | |
| IC | Industry Canada | | | | |
| Inv. No. | Inventory number | | | | |
| MC | Modulated carrier | | | | |
| NA | Not applicable | | | | |
| NC | Not compliant | | | | |
| NOP | Non occupancy period | | | | |
| NP | Not performed | | | | |
| OBW | Occupied bandwidth | | | | |
| ОС | Operating channel | | | | |
| OCW | Operating channel bandwidth | | | | |
| OFDM | Orthogonal frequency division multiplexing | | | | |
| ООВ | Out of band | | | | |
| OP | Occupancy period | | | | |
| PER | Packet error rate | | | | |
| PMN | Product marketing name | | | | |
| PP | Positive peak | | | | |
| QP | Quasi peak | | | | |
| RLAN | Radio local area network | | | | |
| S/N or SN | Serial number | | | | |
| SW | Software | | | | |
| UUT | Unit under test | | | | |
| WLAN | Wireless local area network | | | | |

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14 Document history

| Version | Applied changes | Date of release |
|---------|-----------------|-----------------|
| -/- | Initial release | 2024-06-03 |
| R02 | HVIN changed | 2024-06-10 |

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