

| RADIO REPORT | | | | |
|--|---|--|--|--|
| FCC 47 CFR Part 15C ISED Canada RSS-210 | | | | |
| Operation | n within the 13.110 – 14.010 MHz band | | | |
| Report Reference No G0M-1808-7604-TFC225RI-V01 | | | | |
| Testing Laboratory | Eurofins Product Service GmbH | | | |
| Address | Storkower Str. 38c 15526 Reichenwalde Germany | | | |
| Accreditation | A2LA Accredited Testing Laboratory, Certificate No.: 1983.01 FCC Test Firm Designation Number: DE0008 ISED Testing Laboratory site: 3470A-2 | | | |
| Applicant | Dräger Safety AG & Co. KGaA | | | |
| Address | Revalstraße 1 23560 Lübeck GERMANY | | | |
| Test Specification | According to FCC/ISED rules | | | |
| Standard | 47 CFR Part 15C RSS-210, Issue 9, 2016-08 | | | |
| Non-Standard Test Method | None | | | |
| Equipment under Test (EUT): | | | | |
| Product Description | Portable short-term gas measurement device | | | |
| Model(s) | X-act 7000 | | | |
| Additional Model(s) | None | | | |
| Brand Name(s) | None | | | |
| Hardware Version(s) | 8610820 | | | |
| Software Version(s) | v0.0.1102 | | | |
| FCC-ID | X6O-RF001 | | | |
| IC | 5895F-RF001 | | | |
| Test Result | PASSED | | | |

Test Report No.: G0M-1808-7604-TFC225RI-V01



| Possible test case verdicts: | | | | |
|---|------------------|------------|------------|--|
| required by standard but not tested | | N/T | | |
| not required by standard | | N/R | N/R | |
| not applicable to EUT | | N/A | | |
| test object does meet the requireme | nt | P(PASS) | P(PASS) | |
| test object does not meet the require | ement | F(FAIL) | F(FAIL) | |
| Testing: | | | | |
| Test Lab Temperature | | 20 - 23 °C | | |
| Test Lab Humidity | | 32 – 38 % | | |
| Date of receipt of test item | | 2018-12-21 | 2018-12-21 | |
| Report: | | | | |
| Compiled by | Wilfried Treffke | | | |
| Tested by (+ signature) (Responsible for Test) | Wilfried Treffke | | V. Trefl | |
| Approved by (+ signature) (Deputy Head of Lab) | Toralf Jahn | | 7.7 | |
| Date of Issue | 2019-01-24 | | L | |
| Total number of pages | 29 | | | |
| General Remarks: | | | | |

The test results presented in this report relate only to the object tested.

The results contained in this report reflect the results for this particular model and serial number. It is the responsibility of the manufacturer to ensure that all production models meet the intent of the requirements detailed within this report.

This report shall not be reproduced, except in full, without the written approval of the Issuing testing laboratory.

Additional Comments:

In order to FCC 15.225(f) a passive tag (Micro tubes) is measured together with the test sample X-act 7000.



VERSION HISTORY

| Version History | | | |
|-----------------|------------|-----------------|------------|
| Version | Issue Date | Remarks | Revised By |
| 01 | 2019-01-24 | Initial Release | |



ABBREVIATIONS AND ACRONYMS

| | Acronyms | | |
|-----------|---|--|--|
| Acronym | Description | | |
| EUT | Equipment Under Test | | |
| FCC | Federal Communications Commission | | |
| ISED | Innovation, Science and Economic Development Canada | | |
| RBW | Resolution bandwidth | | |
| RFID | Radio Frequency Identification | | |
| RMS | Root mean square | | |
| VBW | Video bandwidth | | |
| V_{NOM} | Nominal supply voltage | | |



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1 Equipment (Test Item) Under Test

| Description | Portable short-term gas measurement device | | |
|--------------------------|--|------------------------------|--|
| Model | X-act 7000 | | |
| Additional Model(s) | None | | |
| Brand Name(s) | None | | |
| Serial Number(s) | LRLH-0006 | | |
| Hardware Version(s) | 8610820 | | |
| Software Version(s) | v0.0.1102 | | |
| PMN | X-act 7000 | | |
| HVIN | RF001 | | |
| FVIN | None | | |
| HMN | None | | |
| FCC-ID | X6O-RF001 | | |
| IC | 5895F-RF001 | | |
| Equipment type | End Product | | |
| Radio type | Transceiver | | |
| Assigned frequency bands | 13.110 - 14.010 MHz | | |
| Radio technology | RFID | | |
| Modulation | OOK | | |
| | Туре | Integrated loop coil antenna | |
| Antenna | Model | unspecified | |
| Antenna | Manufacturer | unspecified | |
| | Gain | unspecified | |
| Supply Voltage | V_{NOM} | 7.5 VDC (5x 1.5V AA battery) | |
| Operating Temperature | T _{NOM} 25 °C | | |
| | Model | None | |
| AC/DC-Adaptor | Vendor | None | |
| AO/DO-Adaptol | Input | None | |
| | Output None | | |
| Manufacturer | Plexus Deutschland GmbH Bratustrasse 7 Darmstadt Design Center 64293 Darmstadt GERMANY | | |



1.1 Photos – Equipment External





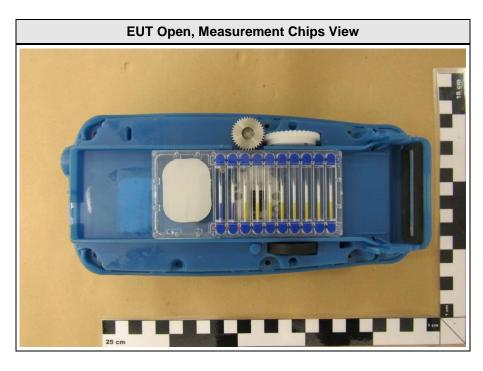


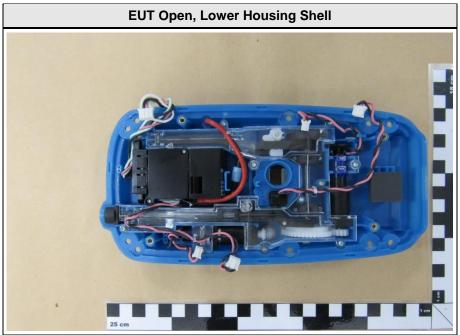




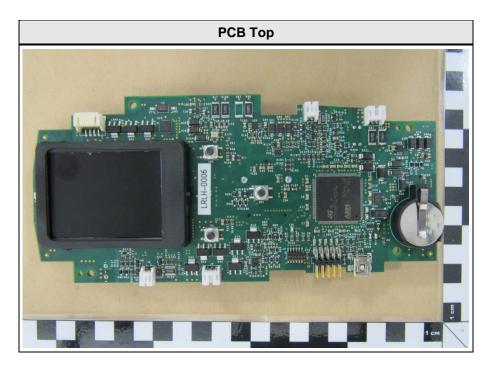


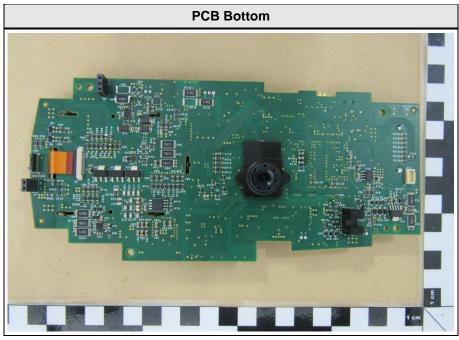
1.2 Photos – Equipment Internal





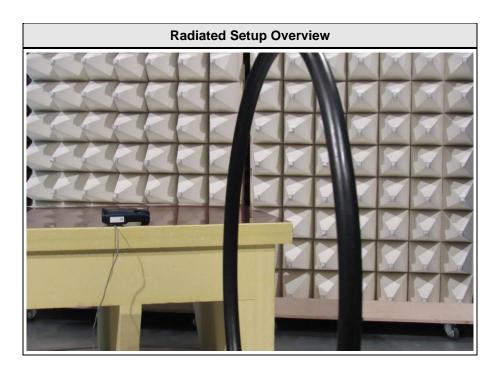


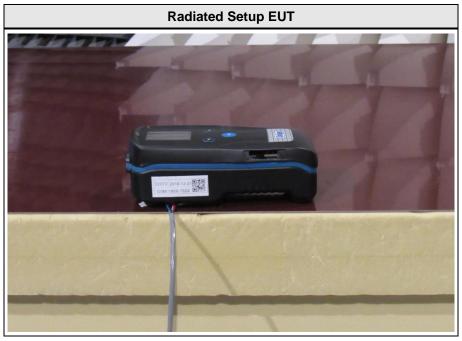






1.3 Photos – Test Setup







1.4 Support Equipment

| Product Type | Device | Manufacturer | Model | Comment |
|--------------|---------------------|--------------|-------|---------|
| | | None | | |
| Description: | | | | |
| AE | Auxiliary Equipment | | | |
| SIM | Simulator | | | |
| CBL | Connecting Cable | | | |
| Comment: | | | | |



1.5 Test Modes

| Mode | Description |
|----------|--|
| Transmit | Mode = Transmit Modulation = OOK Duty cycle = 10 % |
| Comment: | |



1.6 Test Frequencies

| Designator | Mode | Channel | Frequency [MHz] |
|------------|---------|---------|-----------------|
| F1 | Tx / Rx | 0 | 13.56 |



1.7 Sample emission level calculation

The following is a description of terms and a sample calculation, as appears in the radiated emissions data table. The numbers used in the calculation are for example only. There is no direct correlation to the specific data taken for the product described in this document:

Reading:

This is the reading obtained on the spectrum analyzer in dBµV. Any external preamplifiers used are taken into account through internal analyzer settings.

A.F.:

This is the antenna factor for the receiving antenna. It is a conversion factor, which converts electric fields strengths to voltages, which can be measured directly on the spectrum analyzer. It is treated as a loss in dB. Cable losses have been included with the A.F. to simplify the calculations. The antenna factor is used in calculations as follows:

Reading on Analyzer (dBµV) + A.F. (dB/m) = Net field strength (dBµV/m)

Net:

This is the net field strength measurement (as shown above).

Limit:

This is the FCC Class B radiated emission limit (in units of $dB\mu V/m$). The FCC limits are given in units of $\mu V/m$. The following formula is used to convert the units of $\mu V/m$ to $dB\mu V/m$:

Limit (dB μ V/m) = 20*log (μ V/m)

Margin:

This is the margin of compliance below the FCC limit. The units are given in dB. A negative margin indicates the emission was below the limit. A positive margin indicates that the emission exceeds the limit.

Example only:

Reading + AF = Net Reading : Net reading - FCC limit = Margin +21.5 dB μ V + 26 dB/m = 47.5 dB μ V/m : 47.5 dB μ V/m - 57.0 dB μ V/m = -9.5 dB



2 Result Summary

| FCC 47 CFR Part 15C, ISED RSS-210 | | | | |
|--|--|---------------------|--------|---|
| Product Standard Reference | Requirement | Reference Method | Result | Remarks |
| RSS-Gen 6.7 | Occupied Bandwidth | ANSI C63.10-2013 | N/R | Informational only |
| FCC 15.225(a-c) ISED RSS-210 B.6(a) | Fundamental in-band field strength emissions | ANSI C63.10-2013 | PASS | |
| FCC 15.225(d) FCC 15.209 ISED RSS-210 B.6(d) | Emission radiated outside the specified frequency band | ANSI C63.10-2013 | PASS | |
| FCC 15.225(e) ISED RSS-210 B.6 | Frequency stability | ANSI C63.10-2013 | PASS | |
| ISED RSS-Gen 4.10 ISED RSS-Gen 7.1 | Receiver radiated spurious emissions | ANSI C63.10-2013 | N/R | The receiver is co- located with transmitter. Receive only isn't possible. |
| 47 CFR 15.207 RSS-Gen 8.8 | AC power line conducted emissions | ANSI C63.10-2013 | N/R | |
| Comment: | | | | |

| Possible Test Case Verdicts | | |
|-----------------------------|--|--|
| PASS | Test object does meet the requirements | |
| FAIL | Test object does not meet the requirements | |
| N/T | Required by standard but not tested | |
| N/R | Not required by standard for the test object | |



3 Test Conditions and Results

3.1 Test Conditions and Results - Occupied bandwidth

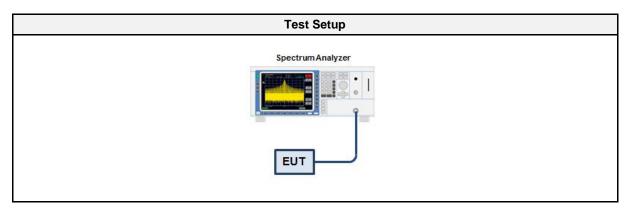
3.1.1 Information

| Test Information | | |
|----------------------------|------------------|--|
| Product Standard Reference | ISED RSS-Gen 6.7 | |
| Measurement Method | Conducted | |

3.1.2 Limits

| Limits |
|---------------------------|
| None (Informational only) |

3.1.3 Setup



3.1.4 Equipment

| Test Equipment | | | | | | |
|---|--|--|--|--|--|--|
| Description Manufacturer Model Identifier Cal. Date Cal. D | | | | | | |
| Spectrum Analyzer R&S FSU 3 EF00241 2017-07 2019-07 | | | | | | |

3.1.5 Procedure

Test Procedure

- 1. EUT set to test mode (Communication tester is used if needed)
- 2. Span set to at least twice the emission spectrum
- 3. Resolution bandwidth set between 1 % to 5 % of OBW
- 4. Occupied Bandwidth (99 %) measurement with spectrum analyzer built in measurement function

3.1.6 Results

| Test Results | | | | |
|------------------|--------------------|--|--|--|
| Channel [MHz] | Bandwidth [kHz] | | | |
| 13.56 | 3.55 | | | |



Occupied Bandwidth

Project Number: G0M-1808-7604

Applicant: Dräger Safety AG & Co. KGaA

Model Description: Portable short-term gas measurement device

Model: X-act 7000 Test Sample ID: 22072

Reference Standards: FCC 15.247, RSS-247

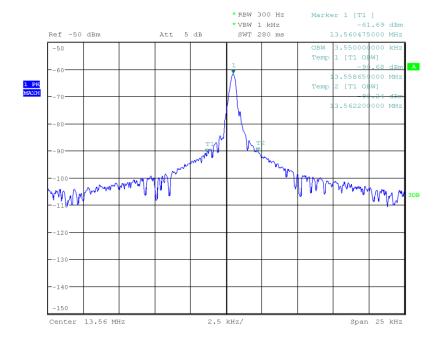
Reference Method: ANSI C63.10:2013, Section 6.9.3

Operational Mode: OOK, 13.56 MHz
Operating Conditions: Tnom/Vnom
Operator: Wilfried Treffke

Test Site: Eurofins Product Service GmbH

Test Date: 2019-01-08

Occupied Bandwidth [kHz]: 3.55



Date: 8.JAN.2019 14:49:26



3.2 Test Conditions and Results - Fundamental in-band field strength emissions

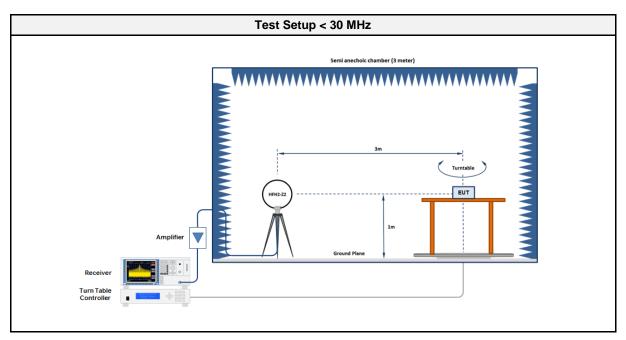
3.2.1 Information

| Test Information | | | | |
|----------------------------|---------------------------------------|--|--|--|
| Product Standard Reference | FCC 15.225(a-c) / ISED RSS-210 B.6(a) | | | |
| Measurement Method | Radiated | | | |

3.2.2 Limits

| Limits | | | | | | |
|------------------------------------|-----------------|-------------------|--------------------|--|--|--|
| Frequency ragne [MHz] | Limit [µV/m] | Limit [dBµV/m] | Limit Distance [m] | | | |
| 13.553 - 13.567 | 15848 | 84 | 30 | | | |
| 13.410 - 13.553 13.567 - 13.710 | 334 | 50.5 | 30 | | | |
| 13.110 - 13.410 13.710 - 14.010 | 106 | 40.5 | 30 | | | |

3.2.3 Setup



3.2.4 Equipment

| Test Software | | | | | |
|---------------------------------------|------------------|------------|----------|--|--|
| Description Manufacturer Name Version | | | | | |
| EMC Software | DARE Instruments | RadiMation | 2015.2.4 | | |

| Test Equipment | | | | | | | |
|--|--------------------------------|---------|---------|---------|---------|--|--|
| Description Manufacturer Model Identifier Cal. Date Cal. [| | | | | | | |
| Semi-Anechoic Chamber | Frankonia | AC1 | EF00062 | 2018-07 | 2021-07 | | |
| EMI Test Receiver | Rohde & Schwarz Vertriebs GmbH | | EF00295 | 2018-07 | 2019-07 | | |
| Antenna | R&S | HFH2-Z2 | EF00184 | 2017-12 | 2019-12 | | |

Test Report No.: G0M-1808-7604-TFC225RI-V01



3.2.5 Procedure

Test Procedure

- 1. EUT set to test mode
- 2. Span it set according to measurement range
- 3. Resolution bandwidth below 1 GHz is set according to CISPR 16 with peak/quasi-peak detector
- 4. Below 30MHz an extrapolation according ANSI 63.10; 6.4.4.2 is used.

3.2.6 Results

| Test Results | | | | | | | |
|------------------|-------------------|-----------------------------|----------|--------------|--------------------------|-----------|--|
| Channel [MHz] | Emission [MHz] | Level @ 30 m [dBµV/m] | Detector | Polarization | Limit @ 30 m [dBµV/m] | Margin | |
| 13.56 | 13.353 | 09.40 | qpk | ver | 40.50 | -31.06 dB | |
| 13.56 | 13.56 | 26.80 | qpk | ver | 84.00 | -57.2 dB | |



3.3 Test Conditions and Results - Emissions radiated outside the specified frequency band

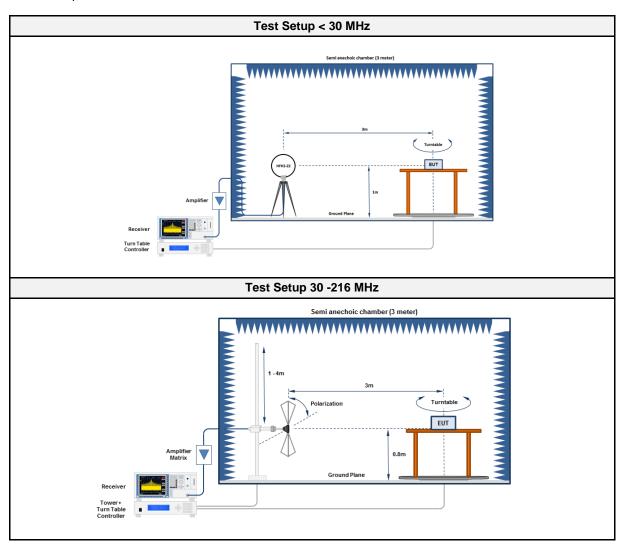
3.3.1 Information

| Test Information | | | | |
|----------------------------|-------------------------------------|--|--|--|
| Product Standard Reference | FCC 15.225(d) / ISED RSS-210 B.6(d) | | | |
| Measurement Method | Radiated | | | |

3.3.2 Limits

| Limits | | | | | | |
|--------------------------|------------|--------------|----------------|--------------------|--|--|
| Frequency range [MHz] | Detector | Limit [µV/m] | Limit [dBµV/m] | Limit Distance [m] | | |
| 0.009 - 0.490 | Quasi-Peak | 2400/F[kHz] | 48.5 - 13.8 | 300 | | |
| 0.490 - 1.705 | Quasi-Peak | 2400/F[kHz] | 13.8 - 2.97 | 30 | | |
| 1.705 -30 | Quasi-Peak | 30 | 29.5 | 30 | | |
| 30 - 88 | Quasi-Peak | 100 | 40 | 3 | | |
| 88 -216 | Quasi-Peak | 150 | 43.5 | 3 | | |

3.3.3 Setup





3.3.4 Equipment

| Test Software | | | | | |
|---------------------------------------|------------------|------------|----------|--|--|
| Description Manufacturer Name Version | | | | | |
| EMC Software | DARE Instruments | RadiMation | 2015.2.4 | | |

| Test Equipment <30 MHz | | | | | | | |
|------------------------|--|----------------|------------|-----------|----------|--|--|
| Description | Manufacturer | Model | Identifier | Cal. Date | Cal. Due | | |
| Semi-Anechoic Chamber | Frankonia | AC1 | EF00062 | 2018-07 | 2021-07 | | |
| EMI Test Receiver | Rohde & Schwarz Vertriebs GmbH | ESCS 30 | EF00295 | 2018-07 | 2019-07 | | |
| Antenna | ntenna R&S | | EF00184 | 2017-12 | 2019-12 | | |
| | Test Equipmen | t 30 - 216 MHz | | | | | |
| Description | Description Manufacturer Model Identifier Cal. Date Cal. | | | | | | |
| Semi-Anechoic Chamber | Frankonia | AC1 | EF00062 | 2018-07 | 2021-07 | | |
| EMI Test Receiver | Rohde & Schwarz Vertriebs GmbH | | EF00295 | 2018-07 | 2019-07 | | |
| Antenna | R&S | HK116 | EF00203 | 2018-06 | 2020-06 | | |

3.3.5 Procedure

Test Procedure

- 1. EUT set to test mode
- 2. Span it set according to measurement range
- Resolution bandwidth below 1 GHz is set according to CISPR 16 with peak/quasi-peak detector and RBW of 1 MHz with peak/average detector is used above 1 GHz
- 4. Below 30MHz an extrapolation according ANSI 63.10; 6.4.4.2 is used.
- 5. Markers are set to maximum emission levels

3.3.6 Results

| Test Results | | | | | | |
|------------------|-------------------|-------------------|----------|--------------|-------------------|----------------|
| Channel [MHz] | Emission [MHz] | Level [dBµV/m] | Detector | Polarization | Limit [dBµV/m] | Margin [dB] |
| 13.56 | 30.528 | 29.74 | pk | hor | 40.00 | -10.26 |
| 13.56 | 30.88 | 29.88 | pk | ver | 40.00 | -10.12 |
| 13.56 | 120.816 | 28.60 | pk | ver | 43.50 | -14.90 |
| 13.56 | 129.968 | 28.64 | pk | hor | 43.50 | -14.86 |



3.4 Test Conditions and Results - Frequency stability

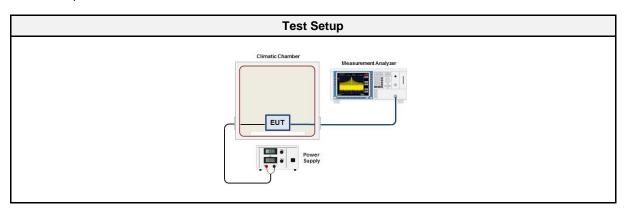
3.4.1 Information

| Test Information | | | | |
|----------------------------|----------------------------------|--|--|--|
| Product Standard Reference | FCC 15.225(e) / ISED RSS-210 B.6 | | | |
| Measurement Method | Conducted | | | |

3.4.2 Limits

| Limits | |
|-----------------------|--|
| Frequency error limit | |
| ±0.01% (±100ppm) | |

3.4.3 Setup



3.4.4 Equipment

| Test Equipment | | | | | | |
|-------------------|--------------|---------|------------|-----------|----------|--|
| Description | Manufacturer | Model | Identifier | Cal. Date | Cal. Due | |
| Spectrum Analyzer | R&S | FSU3 | EF00241 | 2017-07 | 2019-07 | |
| Climatic chamber | Vötsch GmbH | VT 4010 | EF00134 | 2018-08 | 2019-08 | |

3.4.5 Procedure

Test Procedure

- 1. EUT set to test mode
- 2. The ambient temperature and supply voltage is set according to measurement conditions
- 3. Span is set to capture fundamental emission
- 4. Frequency error is measured with frequency counter measurement function



3.4.6 Results

| Test Results - Variation of ambient temperature | | | | | |
|---|-------------------|---------------------|-----------------------|--------------------|--------------------|
| Nominal Frequency [MHz] | Voltage [V] | Temperature [°C] | Time after activation | Frequency [MHz] | Deviation [ppm] |
| 13.56 | 7.5 | 50 | 0 | 13.561001 | 73.80 |
| 13.56 | 7.5 | 50 | 2 | 13.560429 | 31.60 |
| 13.56 | 7.5 | 50 | 5 | 13.560429 | 31.65 |
| 13.56 | 7.5 | 50 | 10 | 13.560461 | 33.96 |
| 13.56 | 7.5 | 40 | 0 | 13.560461 | 33.96 |
| 13.56 | 7.5 | 40 | 2 | 13.560448 | 33.02 |
| 13.56 | 7.5 | 40 | 5 | 13.560432 | 31.88 |
| 13.56 | 7.5 | 40 | 10 | 13.560411 | 30.33 |
| 13.56 | 7.5 | 30 | 0 | 13.560411 | 30.33 |
| 13.56 | 7.5 | 30 | 2 | 13.560465 | 34.26 |
| 13.56 | 7.5 | 30 | 5 | 13.560464 | 34.24 |
| 13.56 | 7.5 | 30 | 10 | 13.560461 | 33.98 |
| 13.56 | 7.5 | 20 | 0 | 13.560426 | 31.42 |
| 13.56 | 7.5 | 20 | 2 | 13.560442 | 32.60 |
| 13.56 | 7.5 | 20 | 5 | 13.560455 | 33.55 |
| 13.56 | 7.5 | 20 | 10 | 13.560422 | 31.12 |
| 13.56 | 7.5 | 10 | 0 | 13.560422 | 31.12 |
| 13.56 | 7.5 | 10 | 2 | 13.560353 | 26.03 |
| 13.56 | 7.5 | 10 | 5 | 13.560430 | 31.71 |
| 13.56 | 7.5 | 10 | 10 | 13.560399 | 29.42 |
| 13.56 | 7.5 | 0 | 0 | 13.560399 | 29.42 |
| 13.56 | 7.5 | 0 | 2 | 13.560419 | 30.90 |
| 13.56 | 7.5 | 0 | 5 | 13.560406 | 29.94 |
| 13.56 | 7.5 | 0 | 10 | 13.560384 | 28.32 |
| 13.56 | 7.5 | -10 | 0 | 13.560384 | 28.32 |
| 13.56 | 7.5 | -10 | 2 | 13.560402 | 29.65 |
| 13.56 | 7.5 | -10 | 5 | 13.560414 | 30.53 |
| 13.56 | 7.5 | -10 | 10 | 13.560386 | 28.47 |
| 13.56 | 7.5 | -20 | 0 | 13.560386 | 28.47 |
| 13.56 | 7.5 | -20 | 2 | 13.560397 | 29.28 |
| 13.56 | 7.5 | -20 | 5 | 13.560350 | 25.81 |
| 13.56 | 7.5 | -20 | 10 | 13.560402 | 29.65 |
| Comment | Limit check: Pass | | | | |



ANNEX A Transmitter in-band emissions

Spurious emissions according to FCC 15.225

Project number: G0M-1808-7604

Applicant: Dräger Safety AG & Co. KGaA

EUT Name: Portable short-term gas measurement device

Model: X-act 7000

Test Site: Eurofins Product Service GmbH

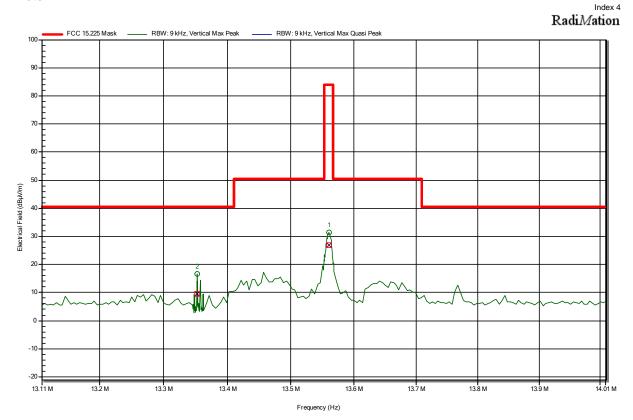
Operator: Wilfried Treffke

Test Conditions: Tnom: 23°C, Vnom: 7.5 VDC (battery)

Antenna: Rohde & Schwarz HFH 2-Z2
Measurement distance: 3 m converted to 30 m
Mode: TX; OOK; 13.56 MHz

Test Date: 2019-01-07

Note:



| Frequency | Peak | Peak Limit | Peak Difference | Peak Status |
|------------|-------------|-------------|-----------------|-------------|
| 13.353 MHz | 16.7 dBµV/m | 40.5 dBμV/m | -23.78 dB | Pass |
| 13.56 MHz | 31.5 dBµV/m | 84 dBµV/m | -52.47 dB | Pass |

| Frequency | Quasi-Peak | Quasi-Peak Limit | Quasi-Peak Difference | Quasi-Peak Status |
|------------|-------------|------------------|-----------------------|-------------------|
| 13.353 MHz | 9.4 dBµV/m | 40.5 dBµV/m | -31.06 dB | Pass |
| 13.56 MHz | 26.8 dBuV/m | 84 dBuV/m | -57.2 dB | Pass |



ANNEX B Transmitter radiated spurious emissions

Spurious emissions according to FCC 15.225

Project number: G0M-1808-7604

Applicant: Dräger Safety AG & Co. KGaA

EUT Name: Portable short-term gas measurement device

Model: X-act 7000

Test Site: Eurofins Product Service GmbH

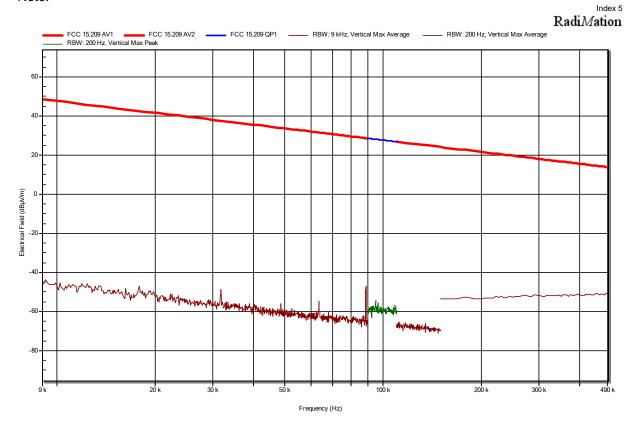
Operator: Wilfried Treffke

Test Conditions: Tnom: 23°C, Vnom: 7.5 VDC (battery)

Antenna: Rohde & Schwarz HFH 2-Z2
Measurement distance: 3 m converted to 300 m
Mode: TX; OOK; 13.56 MHz

Test Date: 2019-01-07

Note:





Spurious emissions according to FCC 15.225

Project number: G0M-1808-7604

Applicant: Dräger Safety AG & Co. KGaA

EUT Name: Portable short-term gas measurement device

Model: X-act 7000

Test Site: Eurofins Product Service GmbH

Operator: Wilfried Treffke

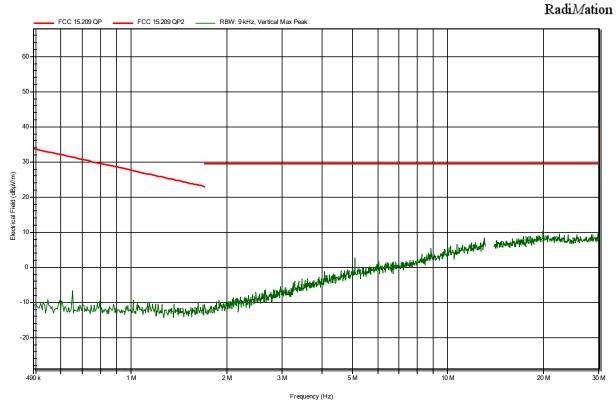
Test Conditions: Tnom: 23°C, Vnom: 7.5 VDC (battery)

Antenna: Rohde & Schwarz HFH 2-Z2
Measurement distance: 3 m converted to 30 m
Mode: TX; OOK; 13.56 MHz

Test Date: 2019-01-07

Note: EUT vertical, measured without Tag continuously reading

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Spurious emissions according to FCC 15.225

Project number: G0M-1808-7604

Applicant: Dräger Safety AG & Co. KGaA

EUT Name: Portable short-term gas measurement device

Model: X-act 7000

Test Site: Eurofins Product Service GmbH

Operator: Wilfried Treffke

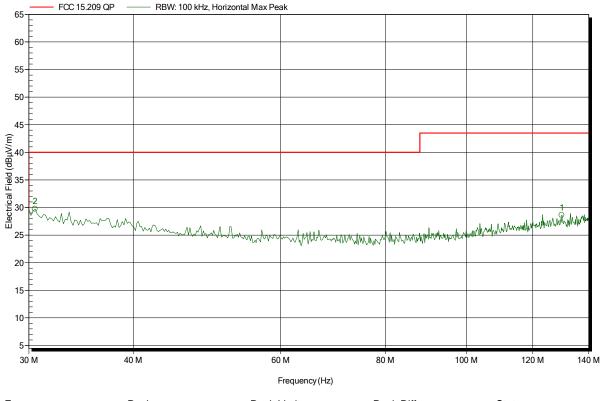
Test Conditions: Tnom: 23°C, Vnom: 7.5 VDC (battery)
Antenna: Rohde & Schwarz HK 116, Horizontal

Measurement distance: 3 m

Mode: RX; OOK; 13.56 MHz

Test Date: 2019-01-08 Note: worst case

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Frequency 129.968 MHz 30.528 MHz Peak 28.64 dBμV/m 29.74 dBμV/m Peak Limit 43.5 dBµV/m 40 dBµV/m Peak Difference -14.86 dB -10.26 dB Status Pass Pass



Spurious emissions according to FCC 15.225

Project number: G0M-1808-7604

Applicant: Dräger Safety AG & Co. KGaA

EUT Name: Portable short-term gas measurement device

Model: X-act 7000

Test Site: Eurofins Product Service GmbH

Operator: Wilfried Treffke

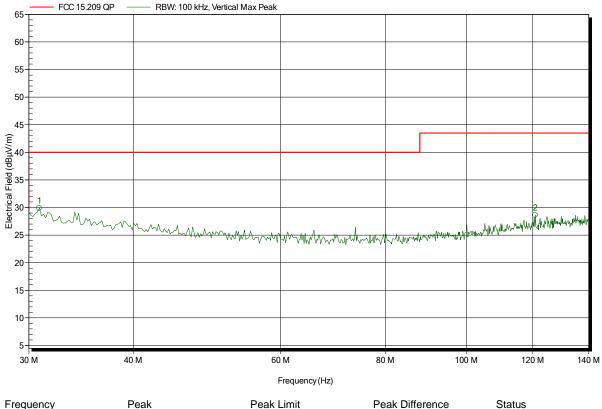
Test Conditions: Tnom: 23°C, Vnom: 7.5 VDC (battery)
Antenna: Rohde & Schwarz HK 116, Vertical

Measurement distance: 3 m

Mode: RX; OOK; 13.56 MHz

Test Date: 2019-01-08 Note: worst case

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Frequency 120.816 MHz 30.88 MHz Peak 28.6 dBµV/m 29.88 dBµV/m Peak Limit 43.5 dBµV/m 40 dBµV/m

-14.9 dB -10.12 dB Status Pass Pass