




| <b>RADIO REPORT</b><br><b>FCC 47 CFR Part 15C</b><br><b>ISED Canada RSS-247</b><br><b>Digital transmission systems operating within the 902 – 928 MHz band</b> |  |
|--|--|
| <b>Report Reference No</b>   | G0M-1612-6135-TFC247DT-V01   |
| <b>Testing Laboratory</b>  | Eurofins Product Service GmbH  |
| Address  | Storkower Str. 38c<br>15526 Reichenwalde<br>Germany  |
| <b>Accreditation</b>   |  <p>A2LA Accredited Testing Laboratory, Certificate No.: 1983.01<br/>                     FCC Filed Test Laboratory, Reg.-No.: 96970<br/>                     IC OATS Filing assigned code: 3470A</p> |
| Address  | Storkower Str. 38c<br>15526 Reichenwalde<br>Germany  |
| <b>Applicant</b>   | Kamstrup A/S   |
| <b>Address</b>   | Industrivej 28<br>8660 Skanderborg<br>DENMARK  |
| <b>Test Specification</b>  | According to FCC/ISED rules  |
| Standard   | 47 CFR Part 15C<br>RSS-247, Issue 1, 2015-05   |
| Non-Standard Test Method   | None   |
| <b>Equipment under Test (EUT):</b>   |  |
| Product Description  | Ultrasonic water meter   |
| Model(s)   | FlowIQ 2250  |
| Additional Model(s)  | None   |
| Brand Name(s)  | Kamstrup   |
| Hardware Version(s)  | 620120102 rev 00   |
| Software Version(s)  | 12790101 rev 00  |
| FCC-ID   | OUY-FLOW2250   |
| IC   | N/A  |
| <b>Test Result</b>   | <b>PASSED</b>  |

Test Report No.: G0M-1612-6135-TFC247DT-V01

 Eurofins Product Service GmbH  
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

|  |                 |   |
|--|-----------------|---|
| <b>Possible test case verdicts:</b>  |                 |   |
| required by standard but not tested  | N/T             |   |
| not required by standard   | N/R             |   |
| test object does meet the requirement  | P(PASS)         |   |
| test object does not meet the requirement  | F(FAIL)         |   |
| <b>Testing:</b>  |                 |   |
| Test Lab Temperature   | 20 - 23 °C      |   |
| Test Lab Humidity  | 32 – 38 %       |   |
| Date of receipt of test item   | 2017-02-27      |   |
| Date (s) of performance of tests   | 2017-03-01      |   |
| <b>Report:</b>   |                 |   |
| Compiled by  | Toralf Jahn     |   |
| Tested by (+ signature)<br>(Responsible for Test)  | Toralf Jahn     |   |
| Approved by (+ signature)<br>(Head of Lab)   | Christian Weber |  |
| Date of Issue  | 2017-03-16      |   |
| Total number of pages  | 104             |   |
| <b>General Remarks:</b>  |                 |   |
| <p><b>The test results presented in this report relate only to the object tested.</b></p> <p><b>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.</b></p> <p>This report shall not be reproduced, except in full, without the written approval of the Issuing testing laboratory.</p> |                 |   |
| <b>Additional Comments:</b>  |                 |   |
|  |                 |   |

## VERSION HISTORY

| Version History |            |                 |            |
|-----------------|------------|-----------------|------------|
| Version         | Issue Date | Remarks         | Revised By |
| 01              | 2017-03-16 | 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                                |
| RMS              | Root mean square                                    |
| VBW              | Video bandwidth                                     |
| V <sub>NOM</sub> | Nominal supply voltage                              |

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## 1 Equipment (Test Item) Under Test

|                          |   |  |
|--------------------------|---|--|
| Description              | Ultrasonic water meter  |  |
| Model                    | FlowIQ 2250   |  |
| Additional Model(s)      | None  |  |
| Brand Name(s)            | Kamstrup  |  |
| Serial Number(s)         | 77100054  |  |
| Hardware Version(s)      | 620120102 rev 00  |  |
| Software Version(s)      | 12790101 rev 00   |  |
| FCC-ID                   | OUY-FLOW2250  |  |
| IC                       | N/A   |  |
| Equipment type           | End Product   |  |
| Radio type               | Transceiver   |  |
| Assigned frequency bands | 902 – 928 MHz   |  |
| Radio technology         | Digital Modulation  |  |
| Modulation               | 2-FSK   |  |
| Number of antenna ports  | 1   |  |
| Antenna 1                | Type  | external, rod antenna                                |
|                          | Model   | 1653094  |
|                          | Manufacturer  | Kamstrup A/S   |
|                          | Gain  | -2 dBi   |
| Antenna 2                | Type  | external, 1 meter cable length                       |
|                          | Model   | 6699490  |
|                          | Manufacturer  | Kamstrup A/S   |
|                          | Gain  | -1.6 dBi   |
| Antenna 3                | Type  | external (as Antenna 2), up to 20 meter cable length |
|                          | Model   | 6699491  |
|                          | Manufacturer  | Kamstrup A/S   |
|                          | Gain  | -6.6 dBi   |
| Supply Voltage           | $V_{NOM}$   | 3.6 VDC (lithium battery)                            |
| Operating Temperature    | $T_{NOM}$   | 20 °C  |
| AC/DC-Adaptor            | Model   | none   |
|                          | Vendor  | none   |
|                          | Input   | none   |
|                          | Output  | none   |
| Manufacturer             | Kamstrup A/S<br>Industrivej 28<br>ManufacturerPOCode Skanderborg<br>ManufacturerCountry |  |

#### 1.4 Support Equipment

| Product Type  | Device                  | Manufacturer | Model  | Comment   |
|---|-------------------------|--------------|--------|---|
| AE  | Laboratory power supply | Statron      | 2224.2 | The EUT battery does not last to perform the tests. Therefore an external power supply was necessary. |
| CBL   | Auxillary cable         |              |        | To connect EUT and power supply.  |
| Description:  |                         |              |        |   |
| AE  | Auxillary Equipment     |              |        |   |
| SIM   | Simulator               |              |        |   |
| CBL   | Connecting Cable        |              |        |   |
| Comment: The EUT was prepared just for testing with a connection to be supported by an external power supply. |                         |              |        |   |

#### 1.5 Test Modes

| Mode        | Description         |   |
|-------------|---------------------|---|
| Transmit-PS | General Conditions: | EUT powered by laboratory power supply                      |
|             | Radio Conditions:   | Mode = Transmit<br>Modulation = 2-FSK<br>Duty cycle = 100 % |
| Receive-PS  | General Conditions: | EUT powered by laboratory power supply                      |
|             | Radio Conditions:   | Mode = Receive<br>Modulation = 2-FSK                        |
| Comment:    |                     |   |

#### 1.6 Test Frequencies

| Designator | Mode    | Channel | Frequency [MHz] |
|------------|---------|---------|-----------------|
| F1         | Tx / Rx | 1       | 912.5           |
| F2         | Tx / Rx | 2       | 918.5           |

### 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:

$$\text{Reading on Analyzer (dB}\mu\text{V)} + \text{A.F. (dB)} = \text{Net field strength (dB}\mu\text{V/m)}$$

Net:

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

Limit:

This is the FCC Class B radiated emission limit (in units of dBμV/m). The FCC limits are given in units of μV/m. The following formula is used to convert the units of μV/m to dBμV/m:

$$\text{Limit (dB}\mu\text{V/m)} = 20 \cdot \log(\mu\text{V/m})$$

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 dBμV   | + 26 dB = 47.5 dBμV/m | : | 47.5 dBμV/m | - 57.0 dBμV/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 6.6   | Occupied Bandwidth                      | ANSI C63.10      | N/R    | Informational only |
| FCC § 15.247(a)(2)<br>ISED RSS-247 § 5.2              | 6 dB Bandwidth                          | ANSI C63.10      | PASS   |                    |
| FCC § 15.247(b)(3)<br>ISED RSS-247 § 5.4              | Maximum peak conducted power            | ANSI C63.10      | PASS   |                    |
| FCC § 15.247(e)<br>ISED RSS-247 § 5.2                 | Power spectral density                  | ANSI C63.10      | PASS   |                    |
| FCC § 15.207<br>ISED RSS-247 § 3.1                    | AC power line conducted emissions       | ANSI C63.10      | PASS   |                    |
| FCC § 15.247(d)<br>ISED RSS-247 § 5.5                 | Band edge compliance                    | ANSI C63.10      | PASS   |                    |
| FCC § 15.247(d)<br>ISED RSS-247 § 5.5                 | Conducted spurious emissions            | ANSI C63.10      | PASS   |                    |
| FCC § 15.247(d)<br>FCC § 15.209<br>ISED RSS-247 § 5.5 | Transmitter radiated spurious emissions | ANSI C63.10      | PASS   |                    |
| ISED RSS-247 § 3.1                                    | Receiver radiated spurious emissions    | ANSI C63.10      | PASS   |                    |
| 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

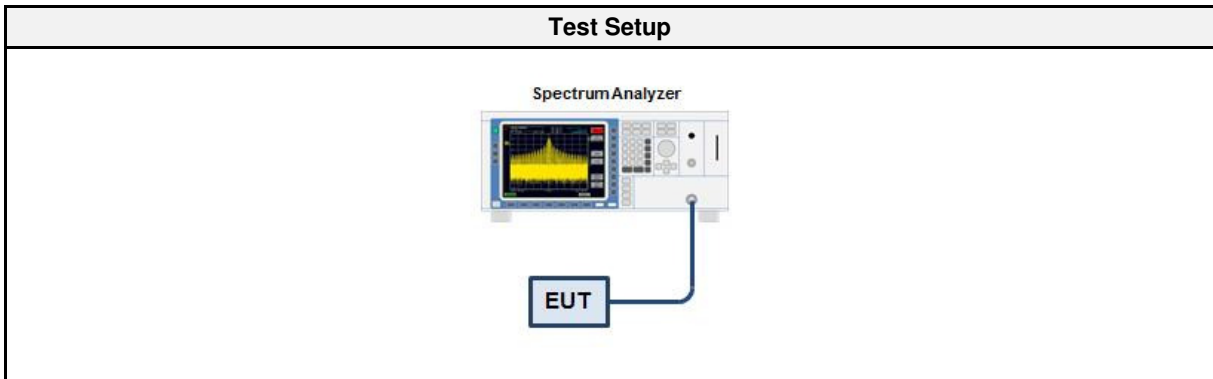
##### 3.1.1 Information

| Test Information   |                   |
|--------------------|-------------------|
| Reference          | ISED RSS-Gen 6.6  |
| Measurement Method | ANSI C63.10 6.9.3 |

##### 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. Due |
| Spectrum Analyzer | R&S          | FSU 26 | EF01003    | 2016-03   | 2017-03  |

##### 3.1.5 Procedure

| Test Procedure  |
|---|
| <ol style="list-style-type: none"> <li>1. EUT transmitter is activated in test mode under normal conditions</li> <li>2. The spectrum analyzer is set to peak detection and maximum hold with a span twice the emission spectrum</li> <li>3. The resolution bandwidth is set to 1 % of the bandwidth</li> <li>4. The occupied bandwidth is measured with the build-in analyzer function</li> </ol> |

## 3.1.6 Results

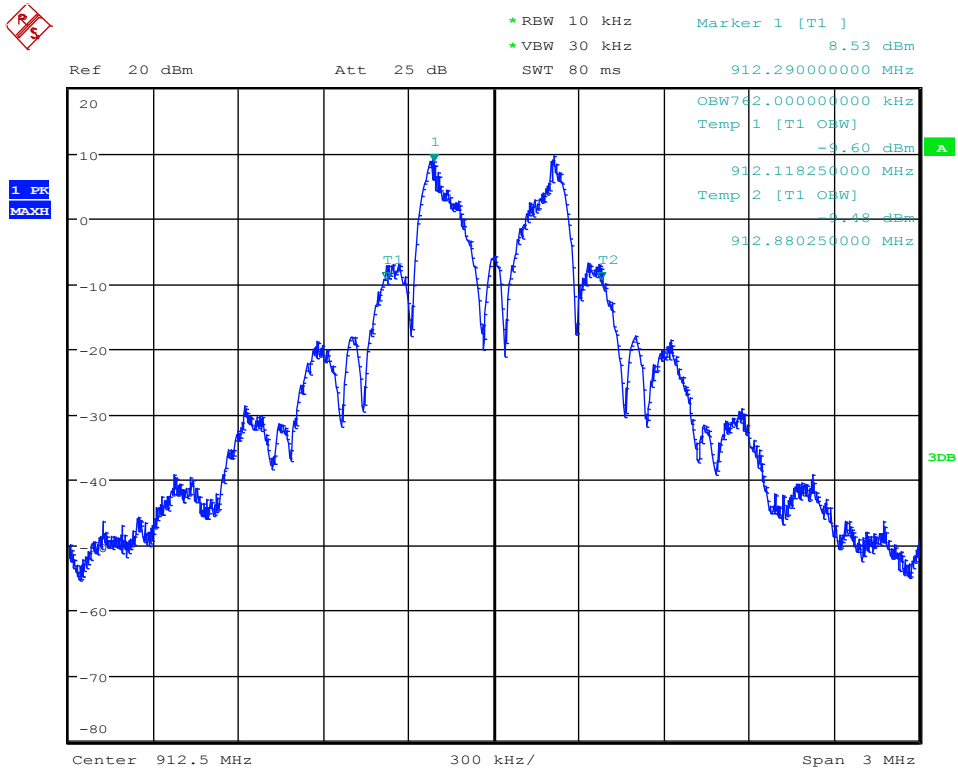
| Test Results |                    |                    |
|--------------|--------------------|--------------------|
| Mode         | Frequency<br>[MHz] | Bandwidth<br>[MHz] |
| Transmit     | 912.5              | 0.762              |
| Transmit     | 918.5              | 0.760              |

Occupied bandwidth – 912.5 MHz

Occupied bandwidth

Project Number: G0M-1612-6135

Applicant: Kamstrup A/S  
 EUT Name: Ultrasonic water meter  
 Model: FlowIQ 2250  
 Test Site: Eurofins Product Service GmbH  
 Operator: Toralf Jahn  
 Test Conditions: Tnom / Vnom  
 Mode: 912.5 MHz  
 Test Date: 2017-03-01  
 Verdict: NONE (INFORMATION ONLY)



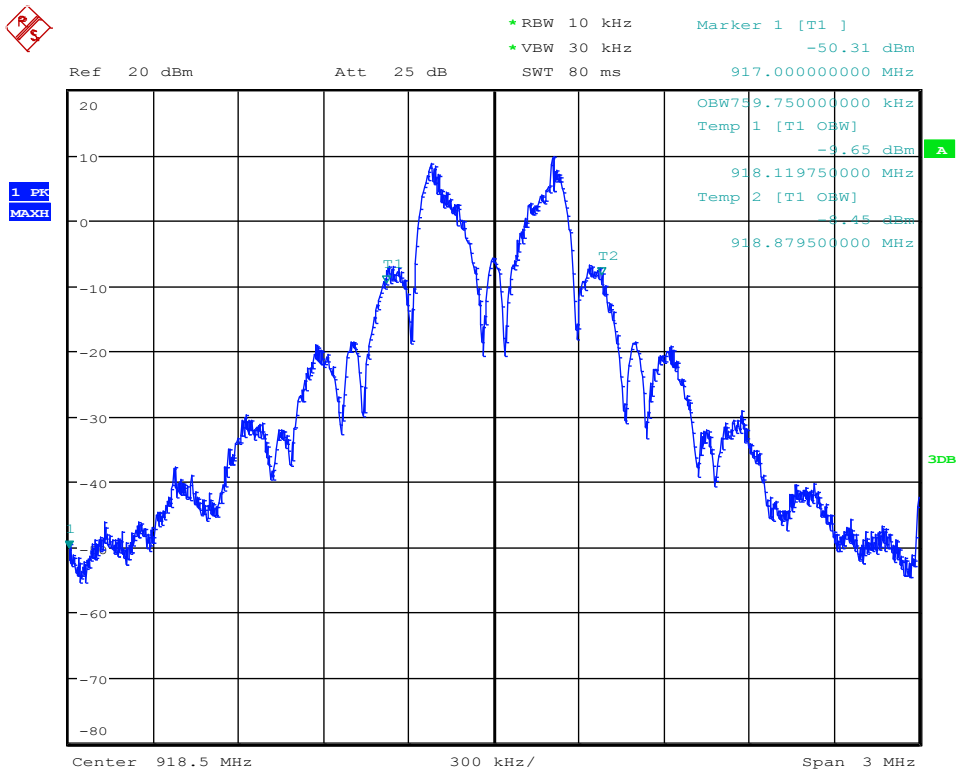
Date: 1.MAR.2017 10:11:36

Occupied bandwidth – 918.5 MHz

Occupied bandwidth

Project Number: G0M-1612-6135

Applicant: Kamstrup A/S  
 EUT Name: Ultrasonic water meter  
 Model: FlowIQ 2250  
 Test Site: Eurofins Product Service GmbH  
 Operator: Toralf Jahn  
 Test Conditions: Tnom / Vnom  
 Mode: 918.5 MHz  
 Test Date: 2017-03-01  
 Verdict: NONE (INFORMATION ONLY)



Date: 1.MAR.2017 10:13:21

### 3.2 Test Conditions and Results - 6 dB bandwidth

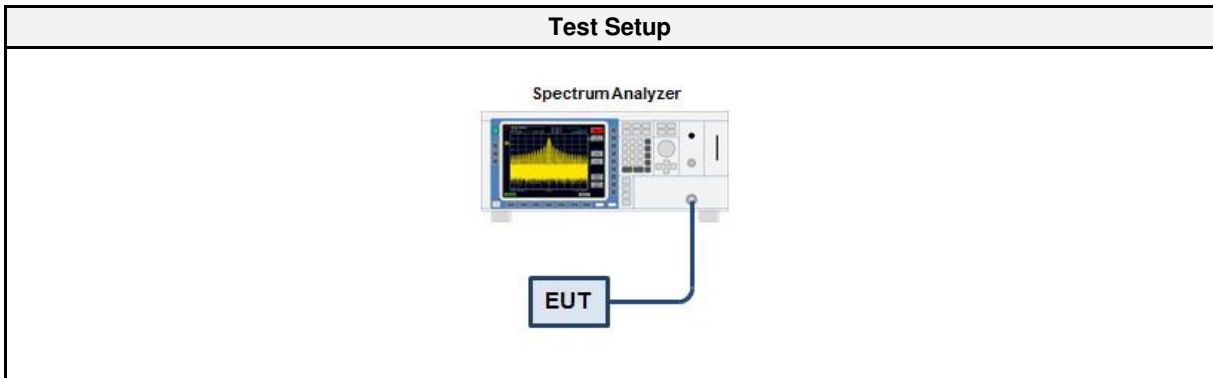
#### 3.2.1 Information

| Test Information   |                                     |
|--------------------|-------------------------------------|
| Reference          | FCC 15.247(a)(2) / ISED RSS-247 5.2 |
| Measurement Method | ANSI C63.10 11.8                    |

#### 3.2.2 Limits

| Limits   |
|----------|
| ≥ 500kHz |

#### 3.2.3 Setup



#### 3.2.4 Equipment

| Test Equipment    |              |        |            |           |          |
|-------------------|--------------|--------|------------|-----------|----------|
| Description       | Manufacturer | Model  | Identifier | Cal. Date | Cal. Due |
| Spectrum Analyzer | R&S          | FSU 26 | EF01003    | 2016-03   | 2017-03  |

#### 3.2.5 Procedure

| Test Procedure   |
|--|
| <ol style="list-style-type: none"> <li>1. EUT set to test mode</li> <li>2. Span set to at least twice the emission spectrum</li> <li>3. Detector set to peak and max hold and RBW is set to 100 kHz</li> <li>4. Envelope peak value of emission spectrum is selected</li> <li>5. Marker on envelope of spectrum is set to level of -6 dB to the left of the peak</li> <li>6. Marker on envelope of spectrum is set to level of -6 dB to the right of the peak</li> <li>7. 6 dB Bandwidth is determined by marker frequency separation</li> </ol> |

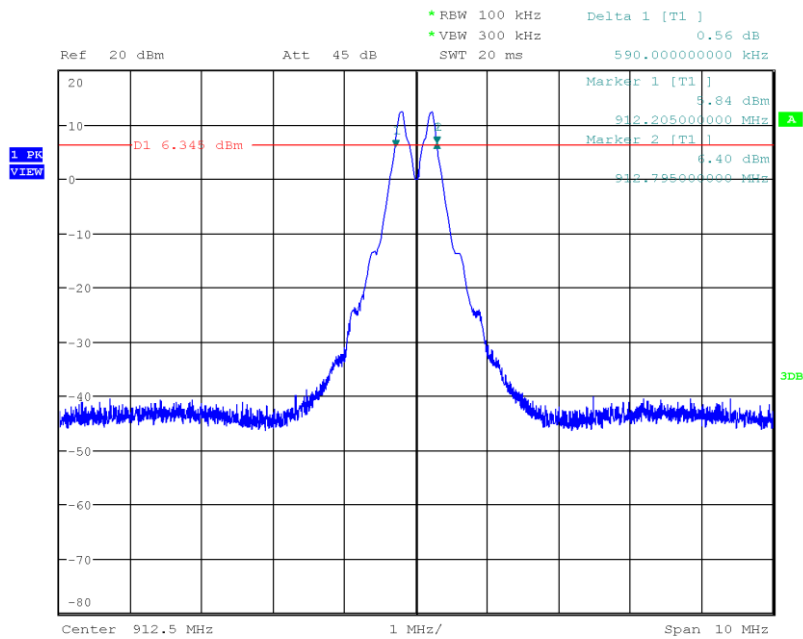
#### 3.2.6 Results

| Test Results |                 |                 |             |         |
|--------------|-----------------|-----------------|-------------|---------|
| Mode         | Frequency [MHz] | Bandwidth [kHz] | Limit [kHz] | Verdict |
| Transmit     | 912.5           | 587.0           | 500         | PASS    |
| Transmit     | 918.5           | 590.0           | 500         | PASS    |

6 dB bandwidth – 912.5 MHz

**DTS (6 dB) Bandwidth**

Project Number: G0M-1612-6135  
 Applicant: Kamstrup A/S  
 Model Description: Ultrasonic water meter  
 Model: FlowIQ 2250  
 Test Sample ID: 12116  
 Reference Standards: FCC 15.247, RSS-247  
 Reference Method: ANSI C63.10:2013, Section 11.8.1 Option 1  
 Operational Mode: Channel: 912.5 MHz  
 Operating Conditions: Tnom/Vnom  
 Operator: T. Jahn  
 Test Site: Eurofins Product Service GmbH  
 Test Date: 2017-03-01  
 Lower Frequency [MHz]: 912.205  
 Upper Frequency [MHz]: 912.795  
 6 dB Bandwidth [kHz]: 590.0

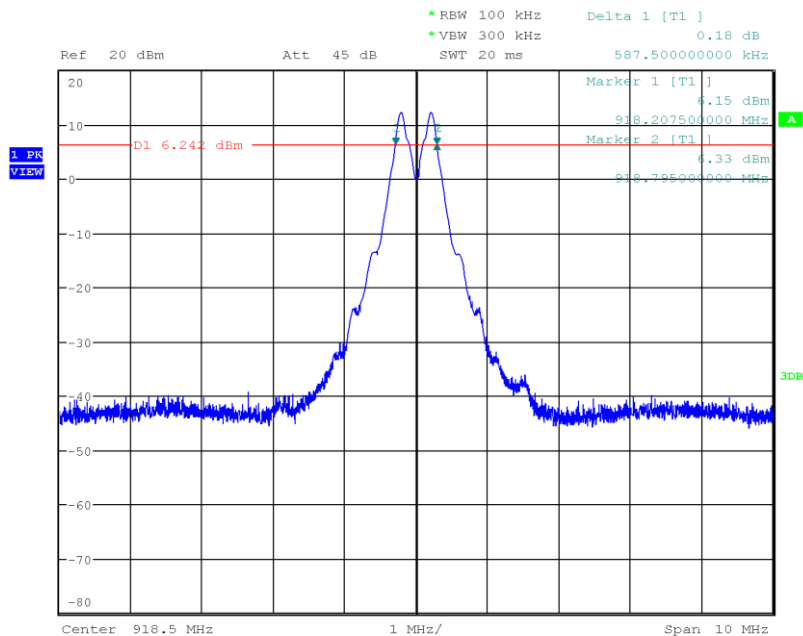


Date: 1.MAR.2017 10:37:49

6 dB bandwidth – 918.5 MHz

**DTS (6 dB) Bandwidth**

Project Number: G0M-1612-6135  
 Applicant: Kamstrup A/S  
 Model Description: Ultrasonic water meter  
 Model: FlowIQ 2250  
 Test Sample ID: 12116  
 Reference Standards: FCC 15.247, RSS-247  
 Reference Method: ANSI C63.10:2013, Section 11.8.1 Option 1  
 Operational Mode: Channel: 918.5 MHz  
 Operating Conditions: Tnom/Vnom  
 Operator: T. Jahn  
 Test Site: Eurofins Product Service GmbH  
 Test Date: 2017-03-01  
 Lower Frequency [MHz]: 918.207  
 Upper Frequency [MHz]: 918.795  
 6 dB Bandwidth [kHz]: 587.0



Date: 1.MAR.2017 10:35:32



### 3.3 Test Conditions and Results - Maximum peak conducted output power

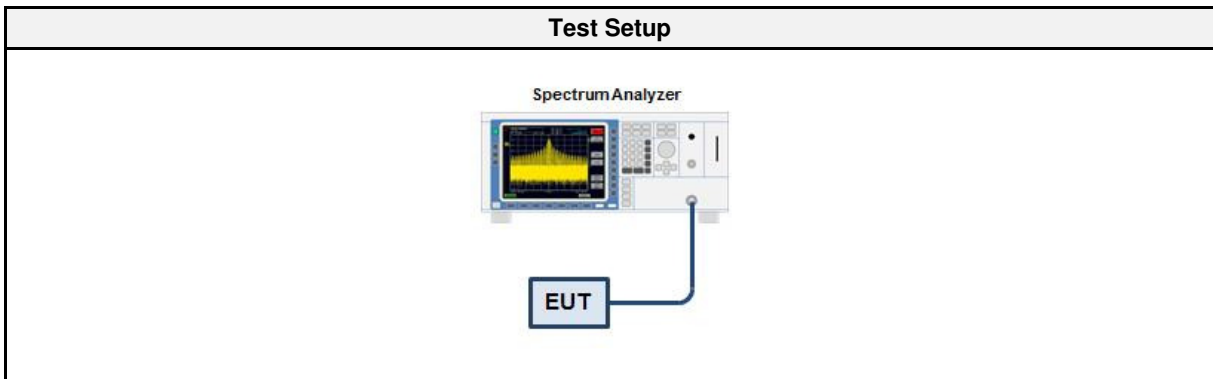
#### 3.3.1 Information

| Test Information   |                                     |
|--------------------|-------------------------------------|
| Reference          | FCC 15.247(b)(1) / ISED RSS-247 5.4 |
| Measurement Method | ANSI C63.10 11.9.1                  |

#### 3.3.2 Limits

| Limits  |
|---|
| 1 W (30 dBm)  |
| The conducted output power limit specified above is based on the use of antennas with directional gains that do not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in the table, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi. |

#### 3.3.3 Setup



#### 3.3.4 Equipment

| Test Equipment    |              |        |            |           |          |
|-------------------|--------------|--------|------------|-----------|----------|
| Description       | Manufacturer | Model  | Identifier | Cal. Date | Cal. Due |
| Spectrum Analyzer | R&S          | FSU 26 | EF01003    | 2016-03   | 2017-03  |

#### 3.3.5 Procedure

| Test Procedure   |
|--|
| <ol style="list-style-type: none"> <li>1. EUT set to test hopping mode (Communication tester is used if needed)</li> <li>2. Analyzer resolution bandwidth is set <math>\geq</math> DTS bandwidth</li> <li>3. Detector set to peak and max hold</li> <li>4. Sweep time is set to auto</li> <li>5. After the trace has stabilized a marker is set to peak of envelope</li> </ol> |

## 3.3.6 Results

| Test Results  |             |           |           |         |
|---------------|-------------|-----------|-----------|---------|
| Channel [MHz] | Power [dBm] | Power [W] | Limit [W] | Verdict |
| 912.5         | 12.874      | 0.0194    | 1.0       | PASS    |
| 918.5         | 12.816      | 0.0191    | 1.0       | PASS    |

### 3.4 Test Conditions and Results - Power spectral density

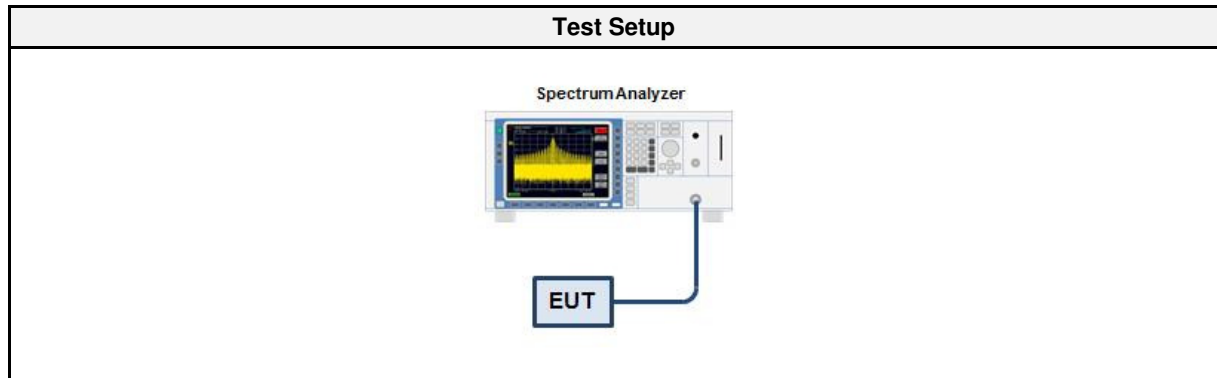
#### 3.4.1 Information

| Test Information   |                                  |
|--------------------|----------------------------------|
| Reference          | FCC 15.247(e) / ISED RSS-247 5.2 |
| Measurement Method | ANSI C63.10 11.10.2, 14.3.2      |

#### 3.4.2 Limits

| Limits        |
|---------------|
| 8 dBm / 3 kHz |

#### 3.4.3 Setup



#### 3.4.4 Equipment

| Test Equipment    |              |        |            |           |          |
|-------------------|--------------|--------|------------|-----------|----------|
| Description       | Manufacturer | Model  | Identifier | Cal. Date | Cal. Due |
| Spectrum Analyzer | R&S          | FSU 26 | EF01003    | 2016-03   | 2017-03  |

#### 3.4.5 Procedure

| Test Procedure  |
|---|
| <ol style="list-style-type: none"> <li>1. EUT set to test mode</li> <li>2. The analyzer is set to DTS channel center frequency with a span of 1.5 times the DTS bandwidth</li> <li>3. The RBW is set to 100 kHz with VBW <math>\geq</math> RBW and the detector is set to peak with max hold</li> <li>4. After the trace has stabilized a marker is set to the envelope maximum</li> <li>5. If the power spectral density is above the limit the RBW is reduced (not lower than 3 kHz) and the measurement is repeated</li> <li>6. If the EUT has more than one transmit chain the procedure is repeated for each transmit chain</li> </ol> |

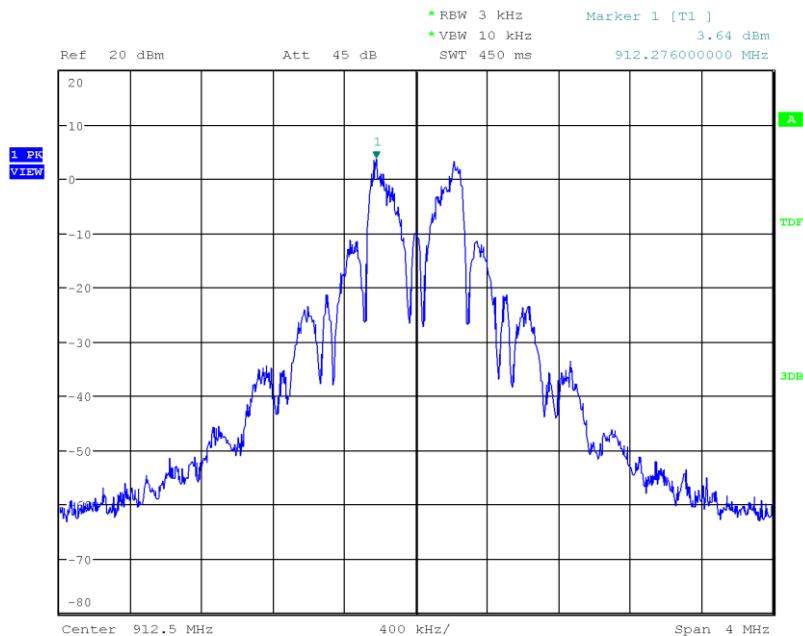
#### 3.4.6 Results

| Test Results  |               |                  |         |
|---------------|---------------|------------------|---------|
| Channel [MHz] | PSD [dBm/RBW] | Limit [dBm/3kHz] | Verdict |
| 912.5         | 3.605         | 8.0              | PASS    |
| 918.5         | 3.639         | 8.0              | PASS    |
| RBW = 3 kHz   |               |                  |         |

PSD conducted – 912.5 MHz

**Peak Power Spectral Density**

Project Number: G0M-1612-6135  
 Applicant: Kamstrup A/S  
 Model Description: Ultrasonic water meter  
 Model: FlowIQ 2250  
 Test Sample ID: 12116  
 Reference Standards: FCC 15.247, RSS-247  
 Reference Method: ANSI C63.10:2013, Section 11.10.2  
 Operational Mode: Channel: 912.5 MHz  
 Operating Conditions: Tnom/Vnom  
 Operator: T. Jahn  
 Test Site: Eurofins Product Service GmbH  
 Test Date: 2017-03-01  
 Peak Frequency [MHz]: 912.276  
 Spectral Density [dBm/RBW]: 3.639  
 Resolution Bandwidth [kHz]: 3 kHz

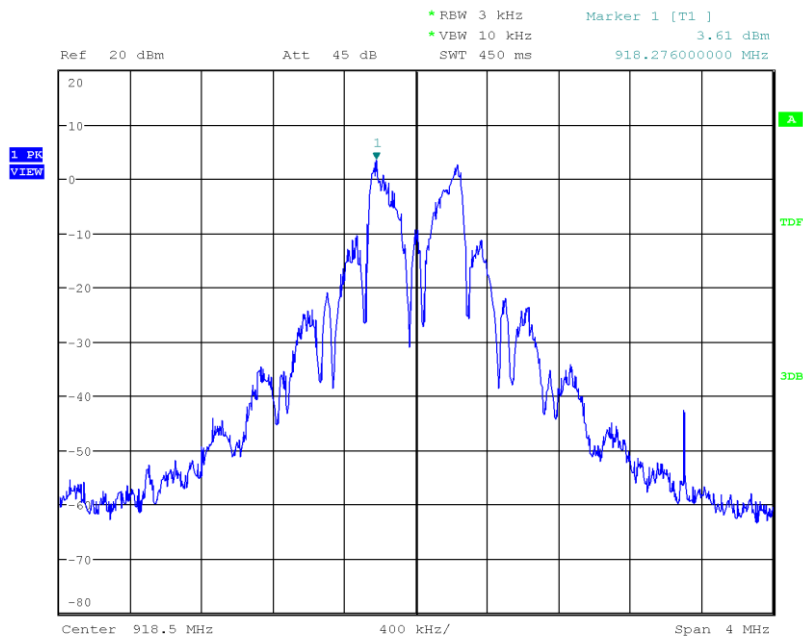


Date: 1.MAR.2017 10:25:05

PSD conducted – 918.5 MHz

**Peak Power Spectral Density**

Project Number: G0M-1612-6135  
 Applicant: Kamstrup A/S  
 Model Description: Ultrasonic water meter  
 Model: FlowIQ 2250  
 Test Sample ID: 12116  
 Reference Standards: FCC 15.247, RSS-247  
 Reference Method: ANSI C63.10:2013, Section 11.10.2  
 Operational Mode: Channel: 918.5 MHz  
 Operating Conditions: Tnom/Vnom  
 Operator: T. Jahn  
 Test Site: Eurofins Product Service GmbH  
 Test Date: 2017-03-01  
 Peak Frequency [MHz]: 918.276  
 Spectral Density [dBm/RBW]: 3.605  
 Resolution Bandwidth [kHz]: 3 kHz



Date: 1.MAR.2017 10:17:53

### 3.5 Test Conditions and Results - Band-edge compliance

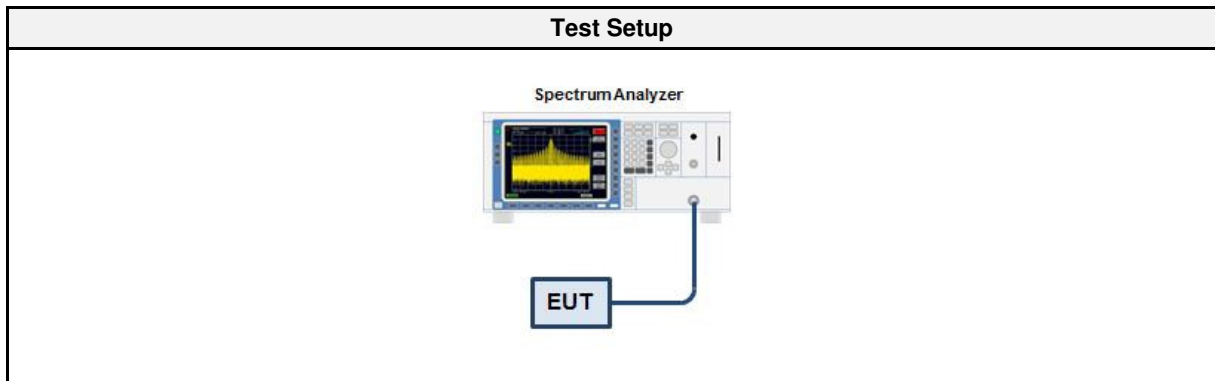
#### 3.5.1 Information

| Test Information   |                                  |
|--------------------|----------------------------------|
| Reference          | FCC 15.247(d) / ISED RSS-247 5.5 |
| Measurement Method | ANSI C63.10 11.11                |

#### 3.5.2 Limits

| Limits            |                              |
|-------------------|------------------------------|
| Power Measurement | Out-of-band attenuation [dB] |
| Peak              | 20                           |
| Average           | 30                           |

#### 3.5.3 Setup



#### 3.5.4 Equipment

| Test Equipment    |              |        |            |           |          |
|-------------------|--------------|--------|------------|-----------|----------|
| Description       | Manufacturer | Model  | Identifier | Cal. Date | Cal. Due |
| Spectrum Analyzer | R&S          | FSU 26 | EF01003    | 2016-03   | 2017-03  |

#### 3.5.5 Procedure

| Test Procedure  |
|---|
| <ol style="list-style-type: none"> <li>1. EUT set to test mode (Communication tester is used if needed)</li> <li>2. Span set around lower band edge and detector is set to peak and max hold</li> <li>3. Resolution bandwidth is set to 100 kHz</li> <li>4. Markers are set to peak emission levels within frequency band and outside frequency band</li> <li>5. Band edge attenuation is determined from level difference</li> </ol> |

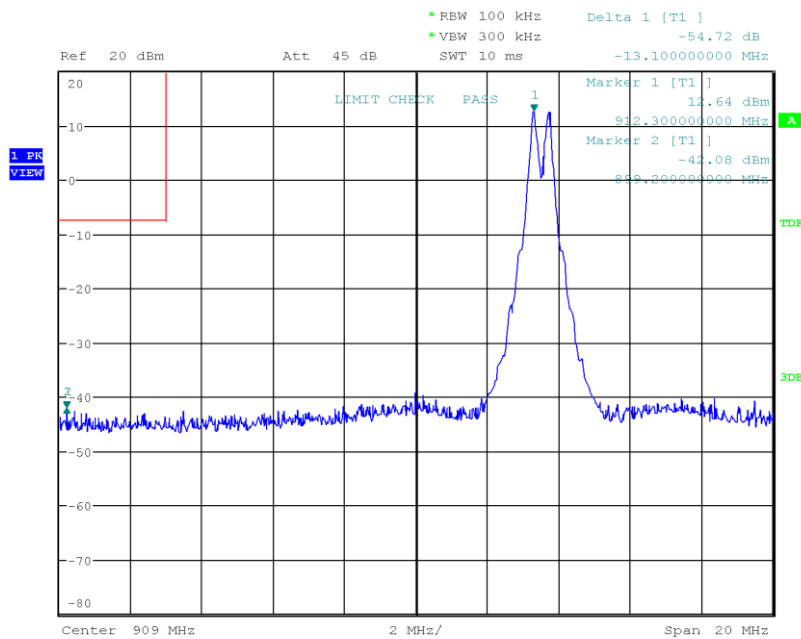
#### 3.5.6 Results

| Test Results |               |                              |            |         |
|--------------|---------------|------------------------------|------------|---------|
| Mode         | Channel [MHz] | Out-of-band Attenuation [dB] | Limit [dB] | Verdict |
| Transmit-PS  | 912.5         | -54.72                       | -20        | PASS    |
| Transmit-PS  | 918.5         | -54.59                       | -20        | PASS    |

**Band-edge compliance - 912.5 MHz**

**Band-edge Compliance**

Project Number: G0M-1612-6135  
 Applicant: Kamstrup A/S  
 Model Description: Ultrasonic water meter  
 Model: FlowIQ 2250  
 Test Sample ID: 12116  
 Reference Standards: FCC 15.247, RSS-247  
 Reference Method: ANSI C63.10:2013, Section 11.11  
 Operational Mode: Channel: 912.5 MHz  
 Operating Conditions: Tnom/Vnom  
 Operator: T. Jahn  
 Test Site: Eurofins Product Service GmbH  
 Test Date: 2017-03-01  
 Band-edge: Lower  
 In-band Frequency [MHz]: 912.3  
 Max. in-band Level [dBm/100 kHz]: 12.635  
 Out-of-band Frequency [MHz]: 899.2  
 Max. out-of-band Level [dBm/100 kHz]: -42.081  
 Attenuation [dB]: -54.72

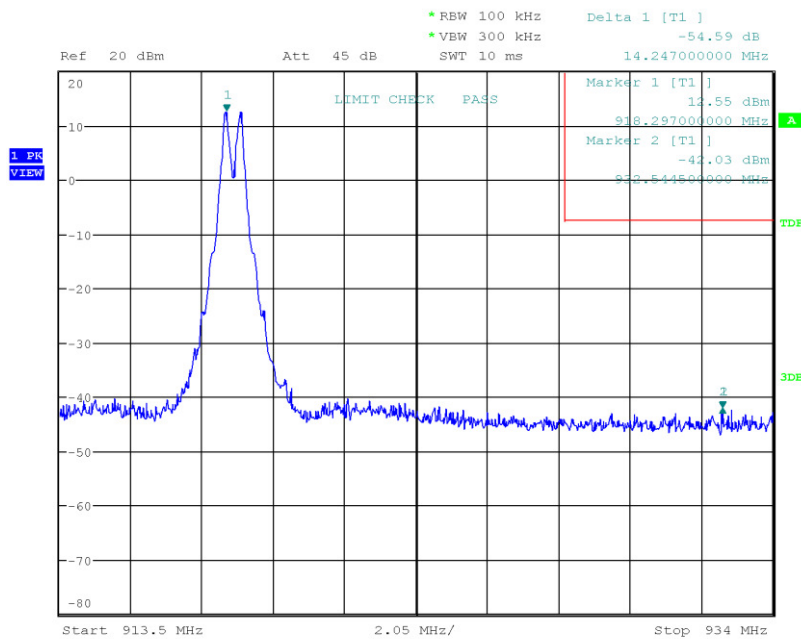


Date: 1.MAR.2017 10:41:15

**Band-edge compliance – 918.5 MHz**

**Band-edge Compliance**

Project Number: G0M-1612-6135  
 Applicant: Kamstrup A/S  
 Model Description: Ultrasonic water meter  
 Model: FlowIQ 2250  
 Test Sample ID: 12116  
 Reference Standards: FCC 15.247, RSS-247  
 Reference Method: ANSI C63.10:2013, Section 11.11  
 Operational Mode: Channel: 918.5 MHz  
 Operating Conditions: Tnom/Vnom  
 Operator: T. Jahn  
 Test Site: Eurofins Product Service GmbH  
 Test Date: 2017-03-01  
 Band-edge: Upper  
 In-band Frequency [MHz]: 918.297  
 Max. in-band Level [dBm/100 kHz]: 12.553  
 Out-of-band Frequency [MHz]: 932.544  
 Max. out-of-band Level [dBm/100 kHz]: -42.033  
 Attenuation [dB]: -54.59



Date: 1.MAR.2017 10:44:32



### 3.6 Test Conditions and Results - Conducted spurious emissions

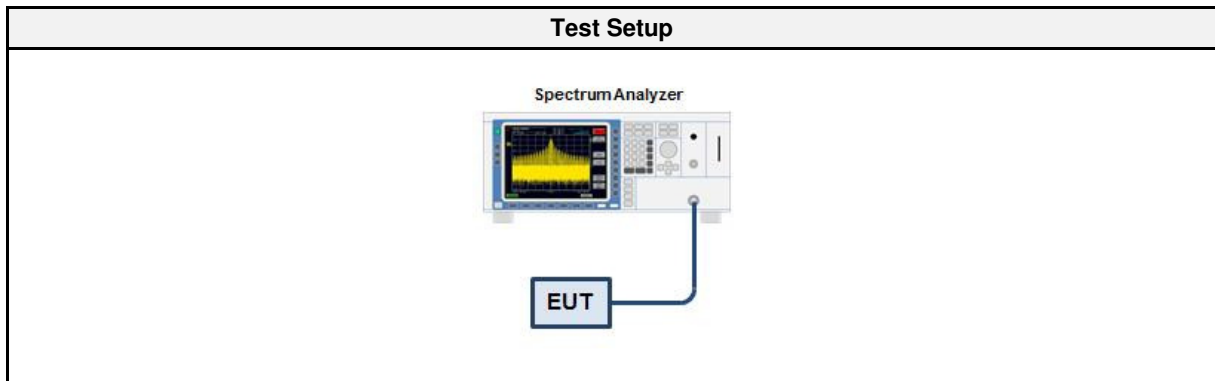
#### 3.6.1 Information

| Test Information   |                                  |
|--------------------|----------------------------------|
| Reference          | FCC 15.247(d) / ISED RSS-247 5.5 |
| Measurement Method | ANSI C63.10 11.11                |

#### 3.6.2 Limits

| Limits            |                              |
|-------------------|------------------------------|
| Power Measurement | Out-of-band attenuation [dB] |
| Peak              | 20                           |
| Average           | 30                           |

#### 3.6.3 Setup



#### 3.6.4 Equipment

| Test Equipment    |              |        |            |           |          |
|-------------------|--------------|--------|------------|-----------|----------|
| Description       | Manufacturer | Model  | Identifier | Cal. Date | Cal. Due |
| Spectrum Analyzer | R&S          | FSU 26 | EF01003    | 2016-03   | 2017-03  |

#### 3.6.5 Procedure

| Test Procedure  |
|---|
| <ol style="list-style-type: none"> <li>1. EUT set to test mode (Communication tester is used if needed)</li> <li>2. Span set around lower band edge and detector is set to peak and max hold</li> <li>3. Resolution bandwidth is set to 100 kHz</li> <li>4. Markers are set to peak emission levels within frequency band and outside frequency band</li> <li>5. Band edge attenuation is determined from level difference</li> </ol> |

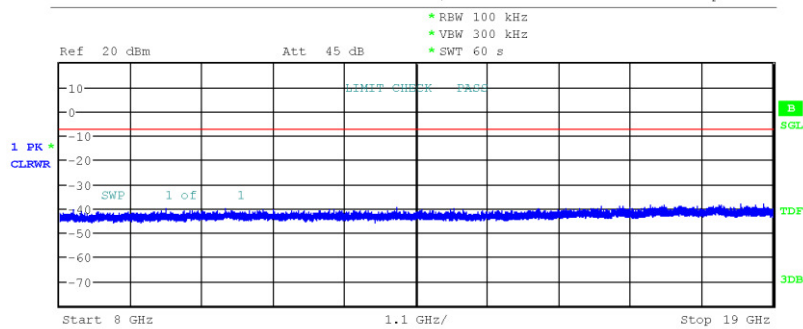
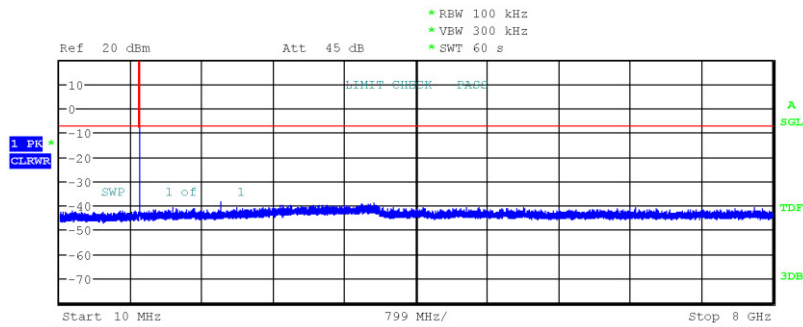
#### 3.6.6 Results

| Test Results |               |         |
|--------------|---------------|---------|
| Mode         | Channel [MHz] | Verdict |
| Transmit-PS  | 912.5         | PASS    |
| Transmit-PS  | 918.5         | PASS    |

CSE - 912.5 MHz

**Conducted Spurious Emissions**

Project Number: G0M-1612-6135  
 Applicant: Kamstrup A/S  
 Model Description: Ultrasonic water meter  
 Model: FlowIQ 2250  
 Test Sample ID: 12116  
 Reference Standards: FCC 15.247, RSS-247  
 Reference Method: ANSI C63.10:2013, Section 11.11  
 Operational Mode: Channel: 912.5 MHz  
 Operating Conditions: Tnom/Vnom  
 Operator: T. Jahn  
 Test Site: Eurofins Product Service GmbH  
 Test Date: 2017-03-01  
 Max. in-band Frequency [MHz]: 912.3  
 Max. in-band Level [dBm/100 kHz]: 12.7  
 Out-of-band Limit [dBm/100 kHz]: -7.3

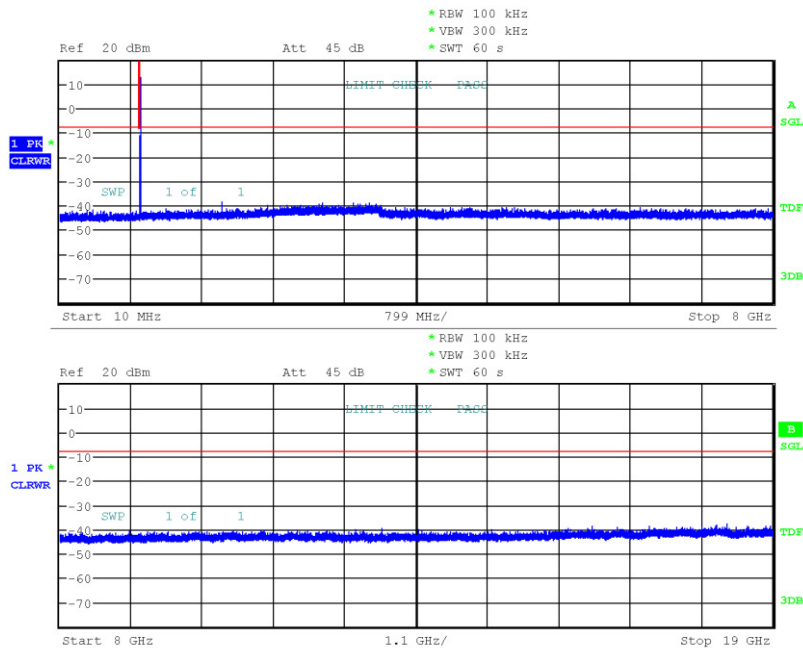


Date: 1.MAR.2017 11:06:48

CSE - 918.5 MHz

**Conducted Spurious Emissions**

Project Number: G0M-1612-6135  
 Applicant: Kamstrup A/S  
 Model Description: Ultrasonic water meter  
 Model: FlowIQ 2250  
 Test Sample ID: 12116  
 Reference Standards: FCC 15.247, RSS-247  
 Reference Method: ANSI C63.10:2013, Section 11.11  
 Operational Mode: Channel: 918.5 MHz  
 Operating Conditions: Tnom/Vnom  
 Operator: T. Jahn  
 Test Site: Eurofins Product Service GmbH  
 Test Date: 2017-03-01  
 Max. in-band Frequency [MHz]: 918.3  
 Max. in-band Level [dBm/100 kHz]: 12.5  
 Out-of-band Limit [dBm/100 kHz]: -7.5



Date: 1.MAR.2017 10:59:35

### 3.7 Test Conditions and Results - Transmitter radiated emissions

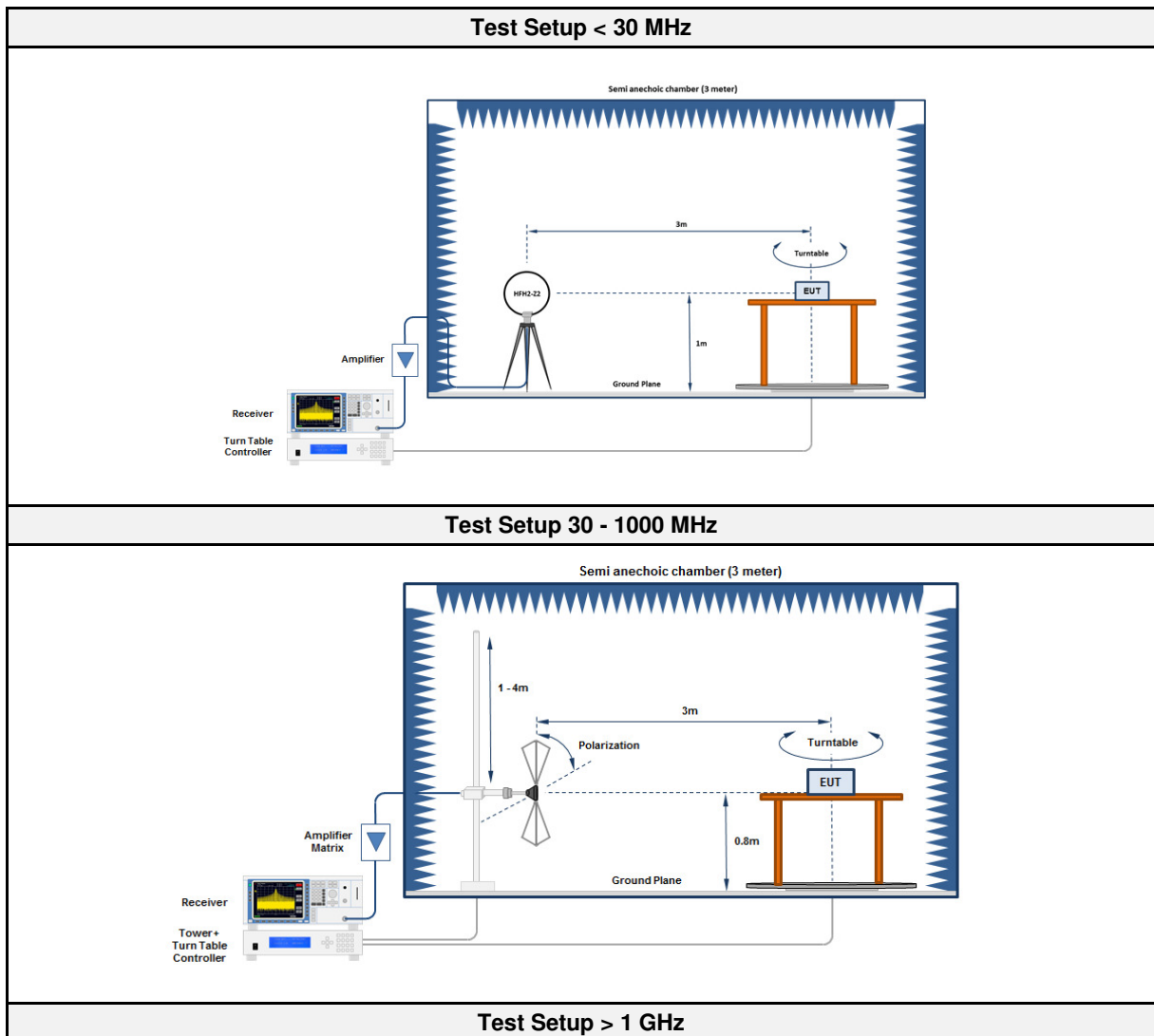
#### 3.7.1 Information

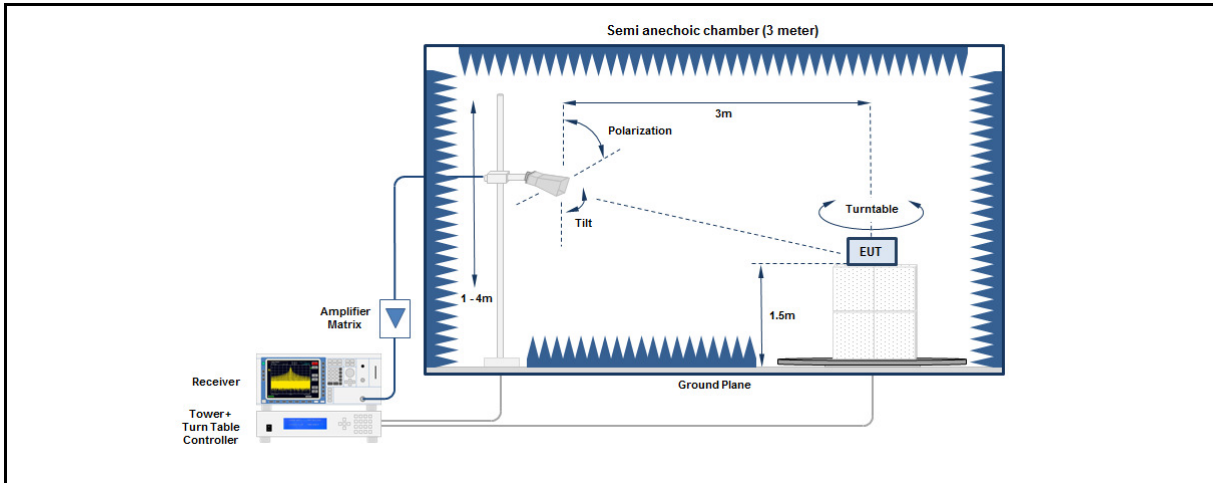
| Test Information   |                                  |
|--------------------|----------------------------------|
| Reference          | FCC 15.247(d) / ISED RSS-247 5.5 |
| Measurement Method | ANSI C63.10 6.4, 6.5, 6.6, 11.12 |

#### 3.7.2 Limits

| Limits          |                               |                          |
|-----------------|-------------------------------|--------------------------|
| Frequency [MHz] | Field strength [dB $\mu$ V/m] | Measurement distance [m] |
| 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                        |
| > 960           | 500                           | 3                        |

#### 3.7.3 Setup





### 3.7.4 Equipment

| Test Equipment 30 - 1000 MHz |              |                |            |           |          |
|------------------------------|--------------|----------------|------------|-----------|----------|
| Description                  | Manufacturer | Model          | Identifier | Cal. Date | Cal. Due |
| Anechoic Chamber             | Frankonia    | AC1            | EF00062    | 2016-01   | 2019-01  |
| Measurement Receiver         | R&S          | N9038A-526/WXP | EF01070    | 2016-08   | 2017-08  |
| Test Equipment > 1 GHz       |              |                |            |           |          |
| Description                  | Manufacturer | Model          | Identifier | Cal. Date | Cal. Due |
| Anechoic Chamber             | Frankonia    | AC1            | EF00062    | 2016-01   | 2019-01  |
| Measurement Receiver         | R&S          | N9038A-526/WXP | EF01070    | 2016-08   | 2017-08  |

### 3.7.5 Procedure

| Test Procedure < 30 MHz   |
|---|
| <ol style="list-style-type: none"> <li>EUT is placed on a non conducting support at the center of a turn table 0.8 m above the ground</li> <li>EUT set to test mode</li> <li>The EUT is rotated through 360°</li> <li>The emissions are measured with peak detector and max hold</li> <li>All significant emissions are measured again using the corresponding final detector</li> </ol>  |
| Test Procedure 30 - 1000 MHz  |
| <ol style="list-style-type: none"> <li>EUT is placed on a non conducting support at the center of a turn table 0.8 m above the ground</li> <li>EUT set to test mode</li> <li>The receiver is set to peak detection with max hold</li> <li>The EUT is rotated through 360° and the height of the antenna is varied from 1 m to 4 m</li> <li>All significant emissions are measured again using the corresponding final detector</li> </ol> |
| Test Procedure > 1 GHz  |
| <ol style="list-style-type: none"> <li>EUT is placed on a non conducting support at the center of a turn table 1.5 m above the ground</li> <li>EUT set to test mode</li> <li>The receiver is set to peak detection with max hold</li> <li>The EUT is rotated through 360° and the height of the antenna is varied from 1 m to 4 m</li> <li>All significant emissions are measured again using the corresponding final detector</li> </ol> |

## 3.7.6 Results

| Test Results Antenna 1 |                |                      |      |      |                      |             |
|------------------------|----------------|----------------------|------|------|----------------------|-------------|
| Channel [MHz]          | Emission [MHz] | Level [dB $\mu$ V/m] | Det. | Pol. | Limit [dB $\mu$ V/m] | Margin [dB] |
| 912.5                  | 1822           | 41.60                | pk   | hor  | 95.00                | -53.40      |
| 912.5                  | 1822           | 36.59                | pk   | ver  | 95.00                | -58.41      |
| 912.5                  | 2734           | 31.51                | pk   | hor  | 74.00                | -42.49      |
| 918.5                  | 1834           | 42.00                | pk   | hor  | 95.00                | -53.00      |
| 918.5                  | 1834           | 37.90                | pk   | ver  | 95.00                | -57.10      |

| Test Results Antenna 2 |                |                      |      |      |                      |             |
|------------------------|----------------|----------------------|------|------|----------------------|-------------|
| Channel [MHz]          | Emission [MHz] | Level [dB $\mu$ V/m] | Det. | Pol. | Limit [dB $\mu$ V/m] | Margin [dB] |
| 912.5                  | 1822           | 44.12                | pk   | hor  | 95.00                | -50.88      |
| 912.5                  | 1822           | 49.63                | pk   | ver  | 95.00                | -45.37      |
| 918.5                  | 1054           | 30.83                | RMS  | hor  | 54.00                | -23.17      |
| 918.5                  | 1054           | 31.40                | RMS  | ver  | 54.00                | -22.60      |

### 3.8 Test Conditions and Results - Receiver radiated emissions

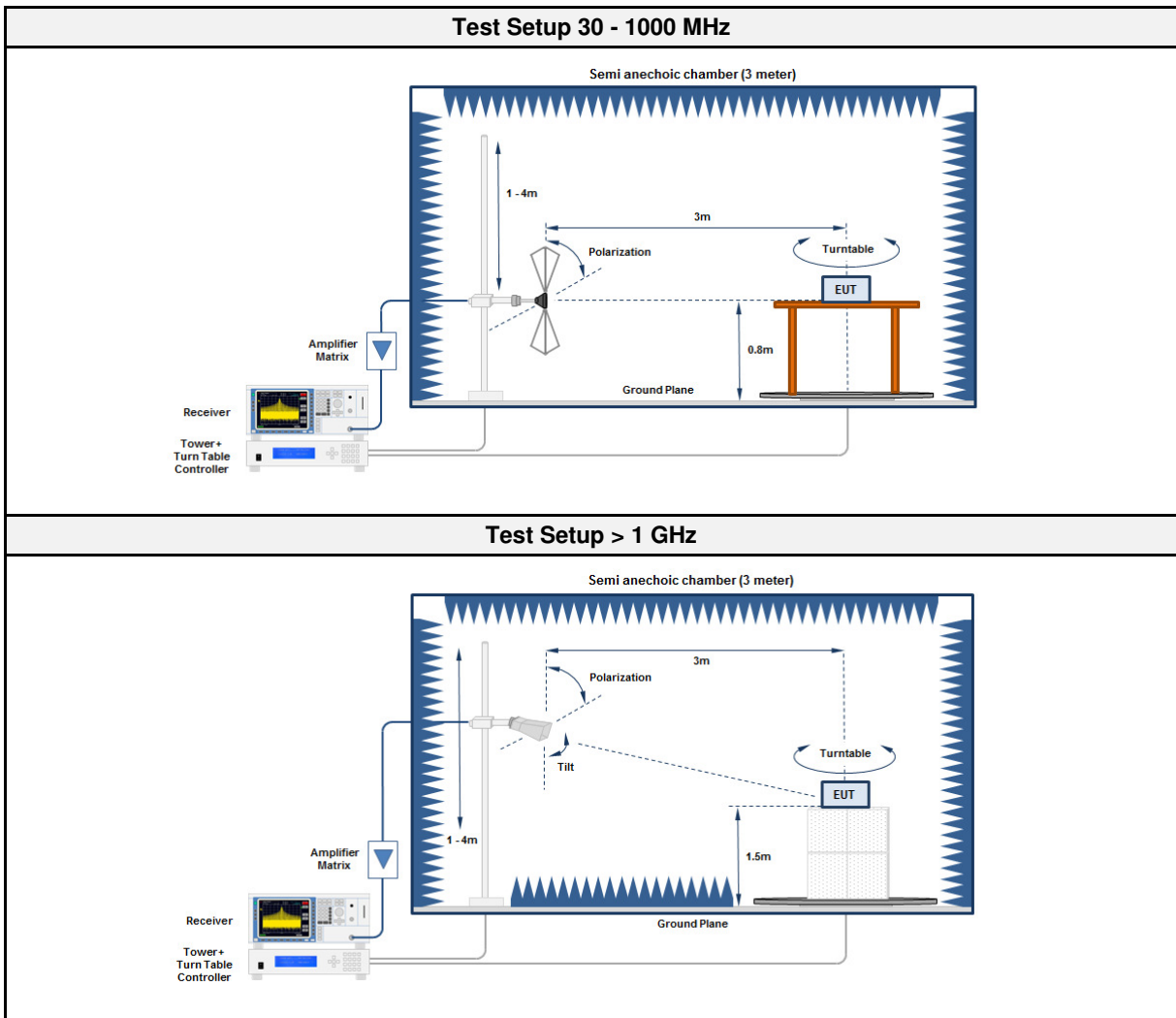
#### 3.8.1 Information

| Test Information   |                             |
|--------------------|-----------------------------|
| Reference          | ISED RSS-247 3.1            |
| Measurement Method | ANSI C63.10 6.5, 6.6, 11.12 |

#### 3.8.2 Limits

| Limits          |                               |                          |
|-----------------|-------------------------------|--------------------------|
| Frequency [MHz] | Field strength [dB $\mu$ V/m] | Measurement distance [m] |
| 30 - 88         | 100                           | 3                        |
| 88 - 216        | 150                           | 3                        |
| 216 - 960       | 200                           | 3                        |
| > 960           | 500                           | 3                        |

#### 3.8.3 Setup



## 3.8.4 Equipment

| Test Equipment 30 - 1000 MHz |              |                |            |           |          |
|------------------------------|--------------|----------------|------------|-----------|----------|
| Description                  | Manufacturer | Model          | Identifier | Cal. Date | Cal. Due |
| Anechoic Chamber             | Frankonia    | AC1            | EF00062    | 2016-01   | 2019-01  |
| Measurement Receiver         | R&S          | N9038A-526/WXP | EF01070    | 2016-08   | 2017-08  |
| Test Equipment > 1 GHz       |              |                |            |           |          |
| Description                  | Manufacturer | Model          | Identifier | Cal. Date | Cal. Due |
| Anechoic Chamber             | Frankonia    | AC1            | EF00062    | 2016-01   | 2019-01  |
| Measurement Receiver         | R&S          | N9038A-526/WXP | EF01070    | 2016-08   | 2017-08  |

## 3.8.5 Procedure

| Test Procedure 30 - 1000 MHz  |
|---|
| <ol style="list-style-type: none"> <li>EUT is placed on a non conducting support at the center of a turn table 0.8 m above the ground</li> <li>EUT set to test mode</li> <li>The receiver is set to peak detection with max hold</li> <li>The EUT is rotated through 360° and the height of the antenna is varied from 1 m to 4 m</li> <li>All significant emissions are measured again using the corresponding final detector</li> </ol> |

| Test Procedure > 1 GHz  |
|---|
| <ol style="list-style-type: none"> <li>EUT is placed on a non conducting support at the center of a turn table 1.5 m above the ground</li> <li>EUT set to test mode</li> <li>The receiver is set to peak detection with max hold</li> <li>The EUT is rotated through 360° and the height of the antenna is varied from 1 m to 4 m</li> <li>All significant emissions are measured again using the corresponding final detector</li> </ol> |

## 3.8.6 Results

| Test Results Antenna 1 |                |                |      |      |                |             |
|------------------------|----------------|----------------|------|------|----------------|-------------|
| Channel [MHz]          | Emission [MHz] | Level [dBμV/m] | Det. | Pol. | Limit [dBμV/m] | Margin [dB] |
| 915.0                  | 899.2          | 25.71          | pk   | ver  | 46.00          | -20.29      |

| Test Results Antenna 2 |                |                |      |      |                |             |
|------------------------|----------------|----------------|------|------|----------------|-------------|
| Channel [MHz]          | Emission [MHz] | Level [dBμV/m] | Det. | Pol. | Limit [dBμV/m] | Margin [dB] |
| 915.0                  | 881.6          | 21.84          | pk   | ver  | 46.00          | -24.16      |



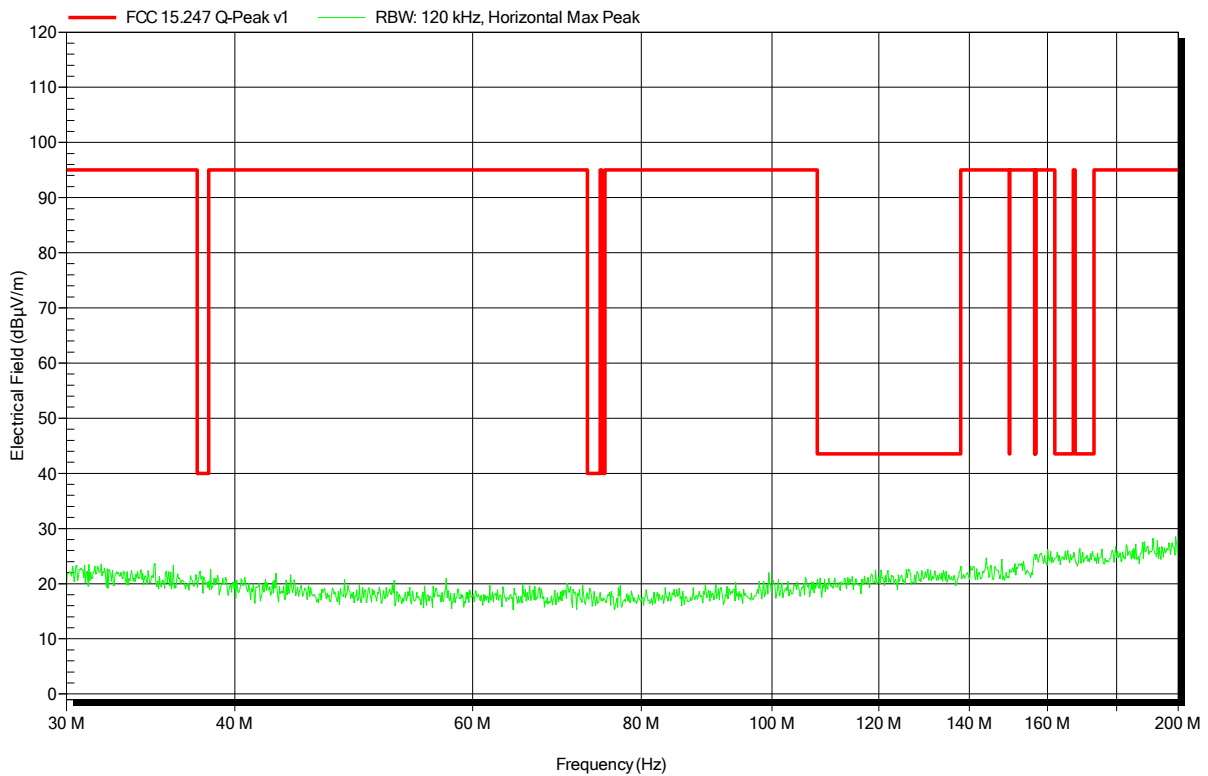
## ANNEX A Transmitter spurious emissions

### Spurious emissions according to FCC 15.247

Project number: G0M-1612-6135

Applicant: Kamstrup A/S  
 EUT Name: Ultrasonic water meter  
 Model: FlowIQ 2250  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 20°C, Vnom: 3.6 VDC  
 Antenna: Rohde & Schwarz HK 116, Horizontal  
 Measurement distance: 3 m  
 Mode: TX; Ant. 1653094; 912.5 MHz  
 Test Date: 2017-03-01  
 Note:

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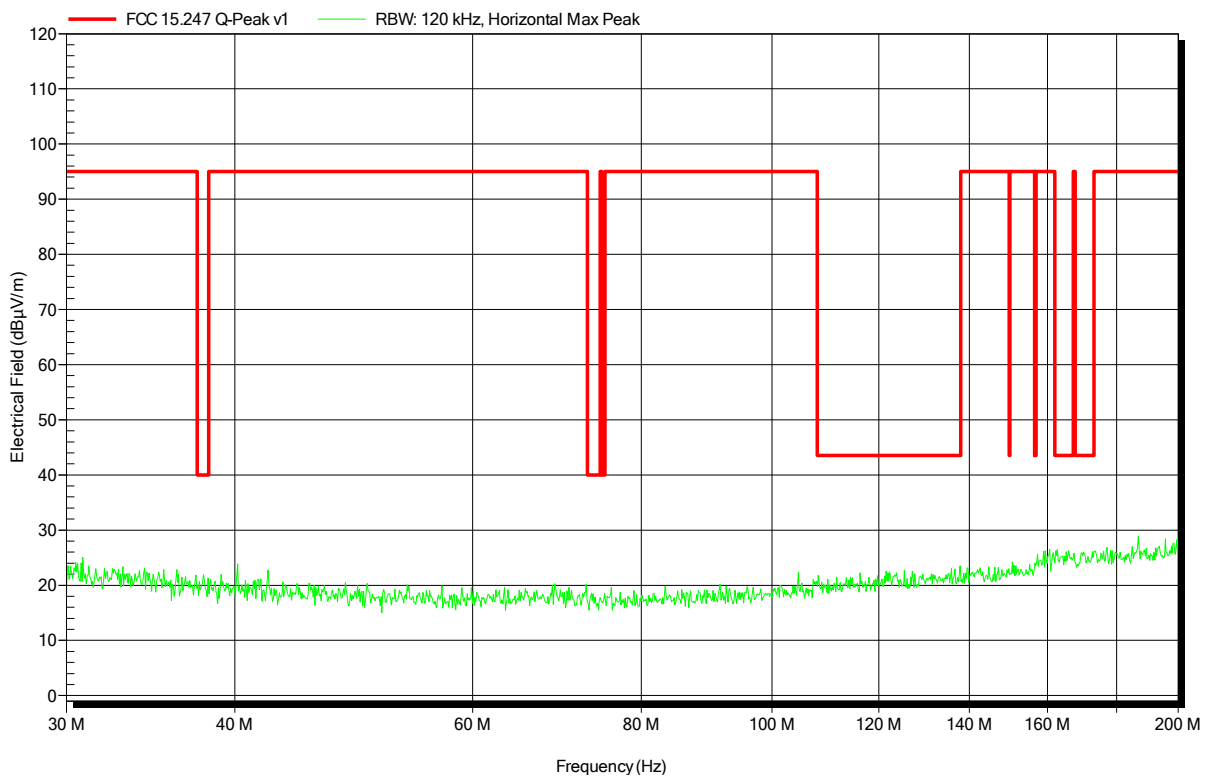


### Spurious emissions according to FCC 15.247

Project number: G0M-1612-6135

Applicant: Kamstrup A/S  
 EUT Name: Ultrasonic water meter  
 Model: FlowIQ 2250  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 20°C, Vnom: 3.6 VDC  
 Antenna: Rohde & Schwarz HK 116, Horizontal  
 Measurement distance: 3 m  
 Mode: TX; Ant. 1653094; 918.5 MHz  
 Test Date: 2017-03-01  
 Note:

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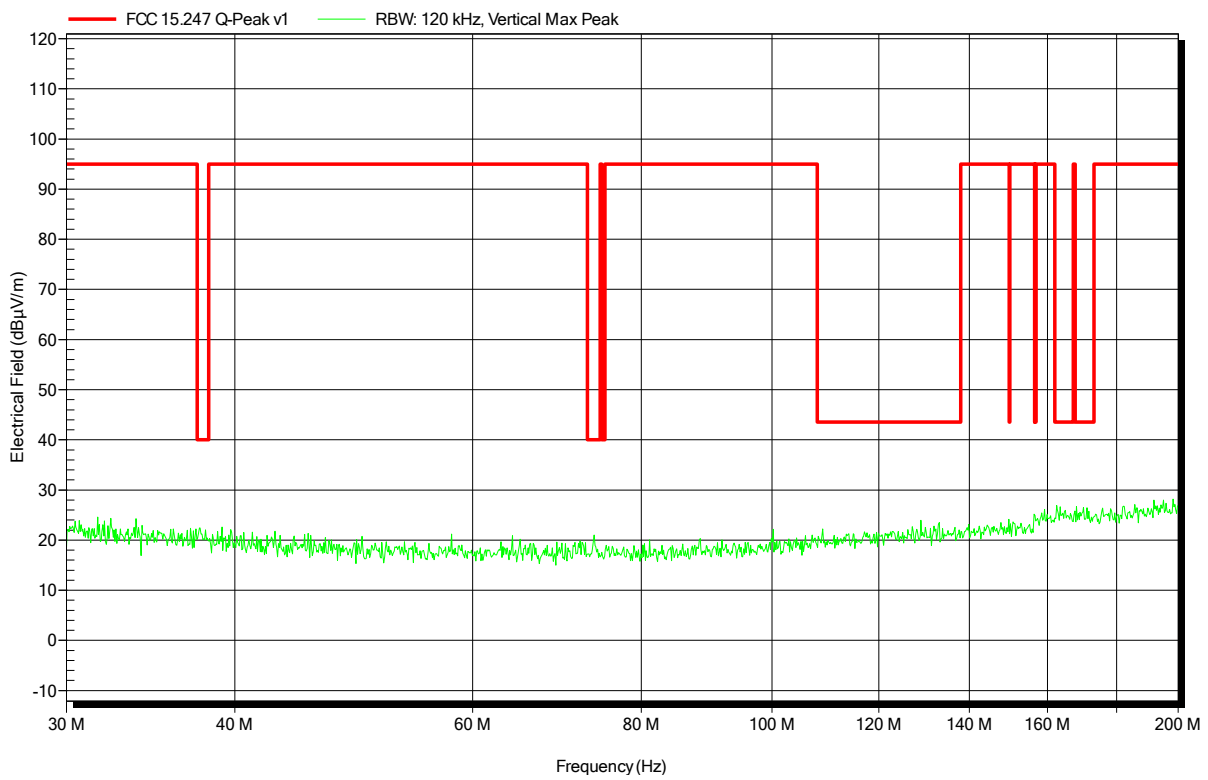


### Spurious emissions according to FCC 15.247

Project number: G0M-1612-6135

Applicant: Kamstrup A/S  
 EUT Name: Ultrasonic water meter  
 Model: FlowIQ 2250  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 20°C, Vnom: 3.6 VDC  
 Antenna: Rohde & Schwarz HK 116, Vertical  
 Measurement distance: 3 m  
 Mode: TX; Ant. 1653094; 912.5 MHz  
 Test Date: 2017-03-01  
 Note:

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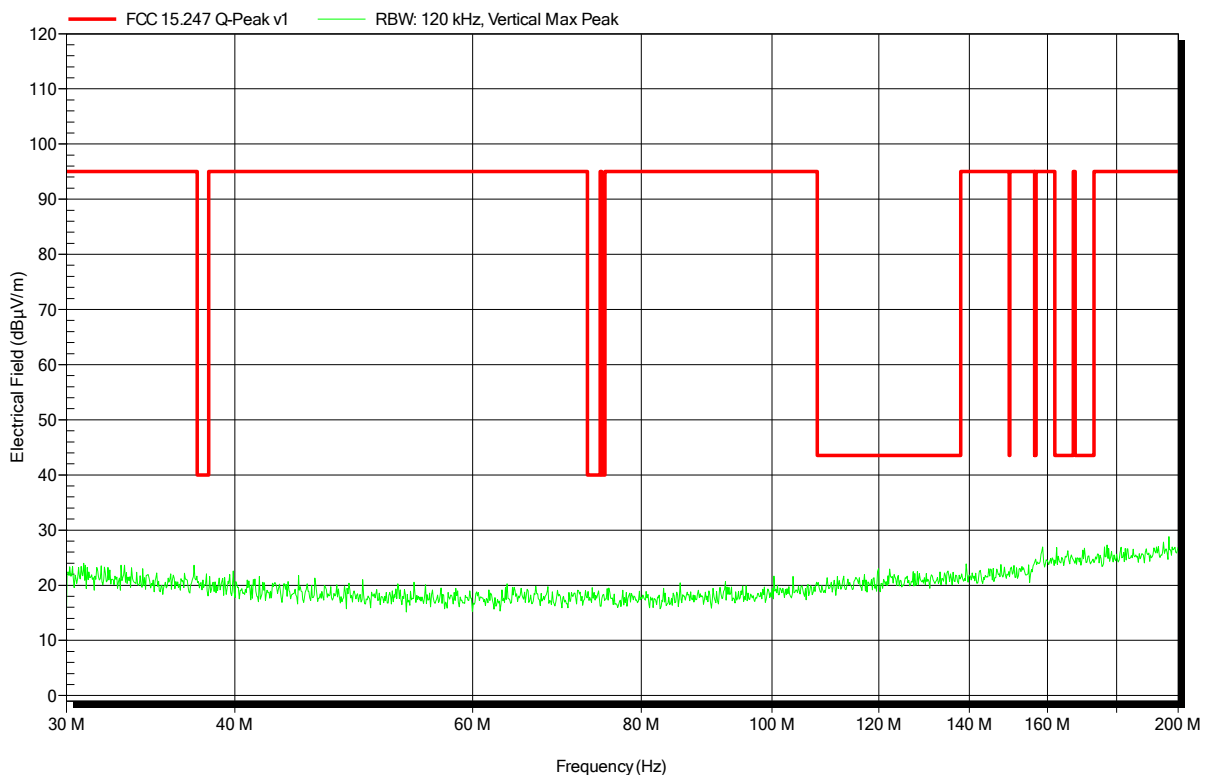


### Spurious emissions according to FCC 15.247

Project number: G0M-1612-6135

Applicant: Kamstrup A/S  
 EUT Name: Ultrasonic water meter  
 Model: FlowIQ 2250  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 20°C, Vnom: 3.6 VDC  
 Antenna: Rohde & Schwarz HK 116, Vertical  
 Measurement distance: 3 m  
 Mode: TX; Ant. 1653094; 918.5 MHz  
 Test Date: 2017-03-01  
 Note:

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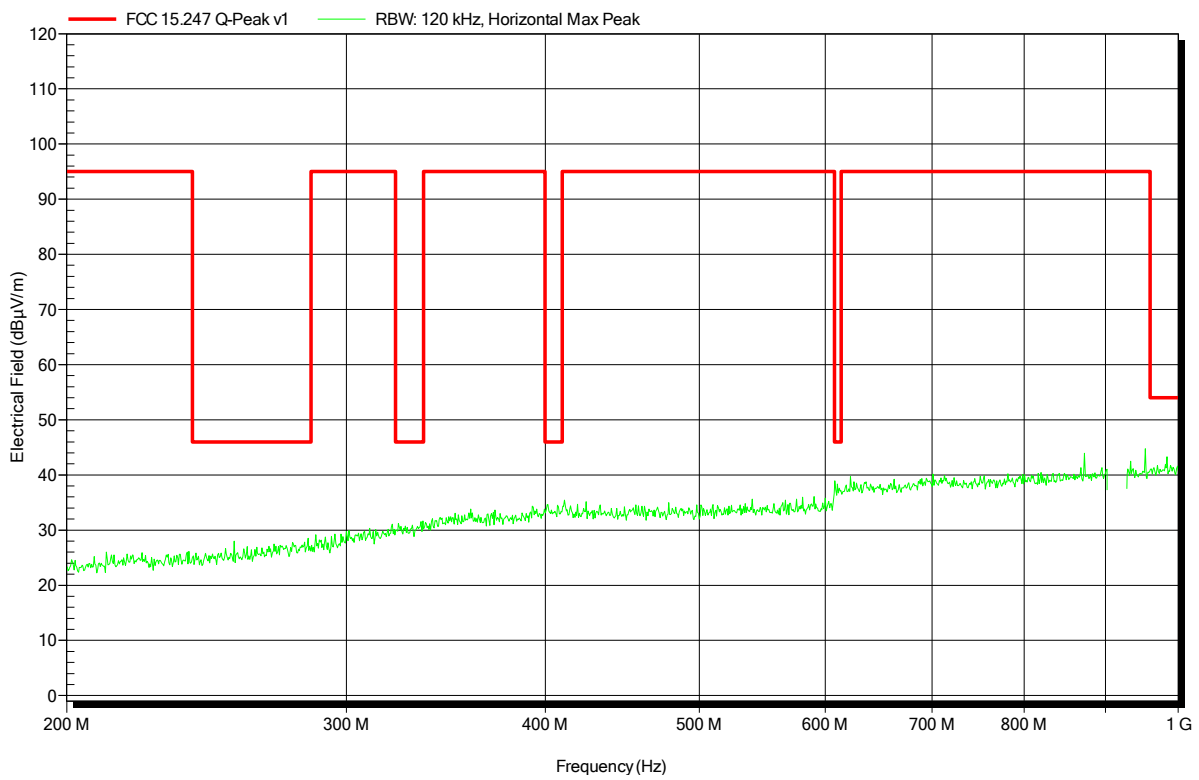


### Spurious emissions according to FCC 15.247

Project number: G0M-1612-6135

Applicant: Kamstrup A/S  
 EUT Name: Ultrasonic water meter  
 Model: FlowIQ 2250  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 20°C, Vnom: 3.6 VDC  
 Antenna: Rohde & Schwarz HL 223, Horizontal  
 Measurement distance: 3 m  
 Mode: TX; Ant. 1653094; 912.5 MHz  
 Test Date: 2017-03-01  
 Note:

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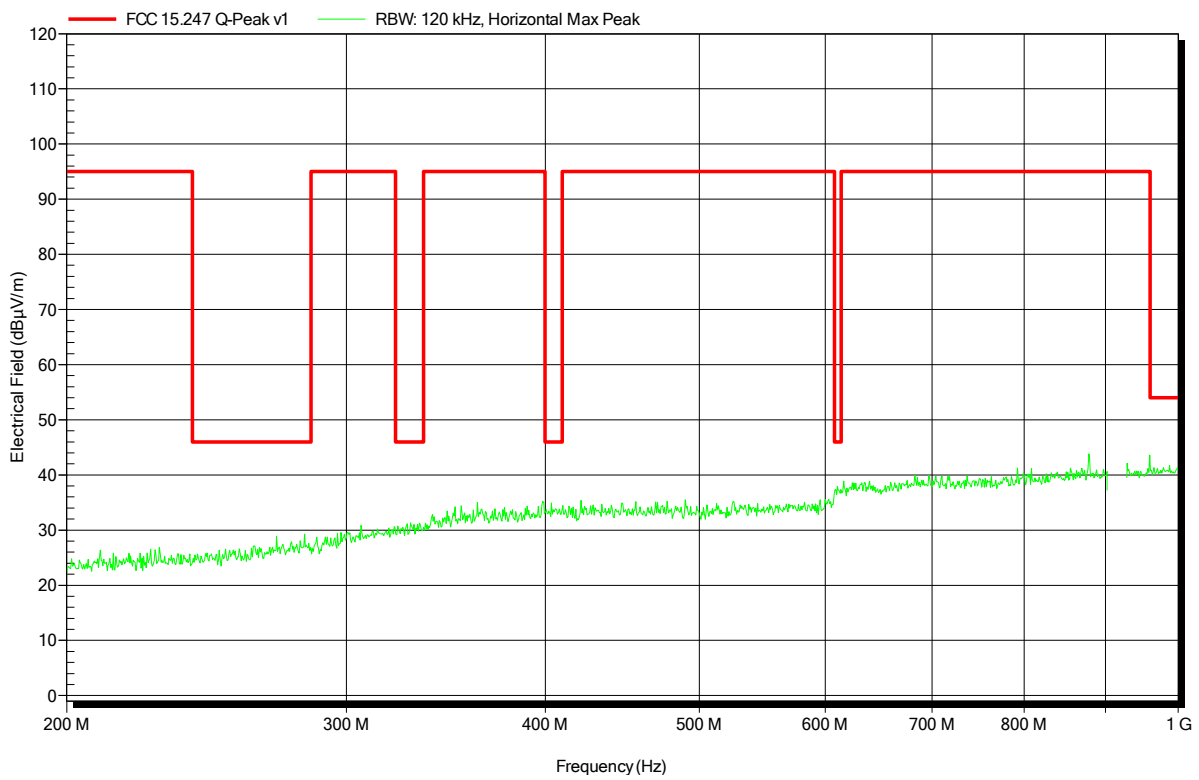


**Spurious emissions according to FCC 15.247**

Project number: G0M-1612-6135

Applicant: Kamstrup A/S  
 EUT Name: Ultrasonic water meter  
 Model: FlowIQ 2250  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 20°C, Vnom: 3.6 VDC  
 Antenna: Rohde & Schwarz HL 223, Horizontal  
 Measurement distance: 3 m  
 Mode: TX; Ant. 1653094; 918.5 MHz  
 Test Date: 2017-03-01  
 Note:

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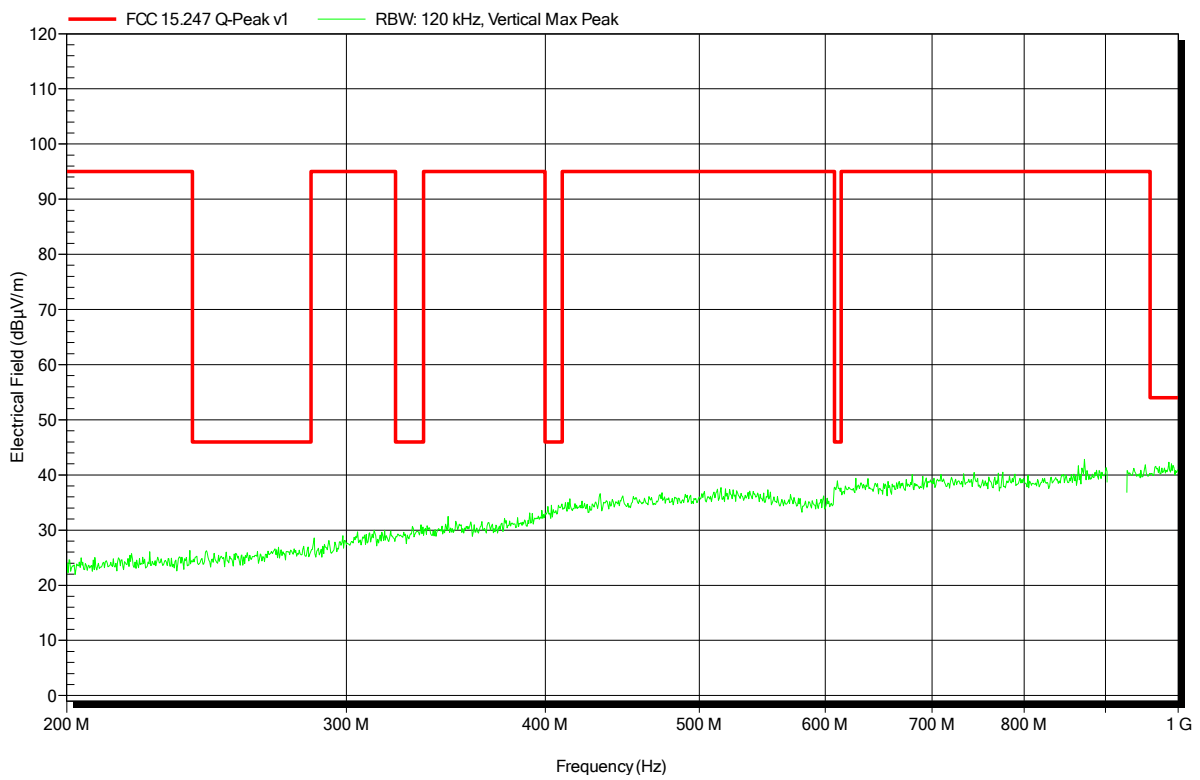


**Spurious emissions according to FCC 15.247**

Project number: G0M-1612-6135

Applicant: Kamstrup A/S  
 EUT Name: Ultrasonic water meter  
 Model: FlowIQ 2250  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 20°C, Vnom: 3.6 VDC  
 Antenna: Rohde & Schwarz HL 223, Vertical  
 Measurement distance: 3 m  
 Mode: TX; Ant. 1653094; 912.5 MHz  
 Test Date: 2017-03-01  
 Note:

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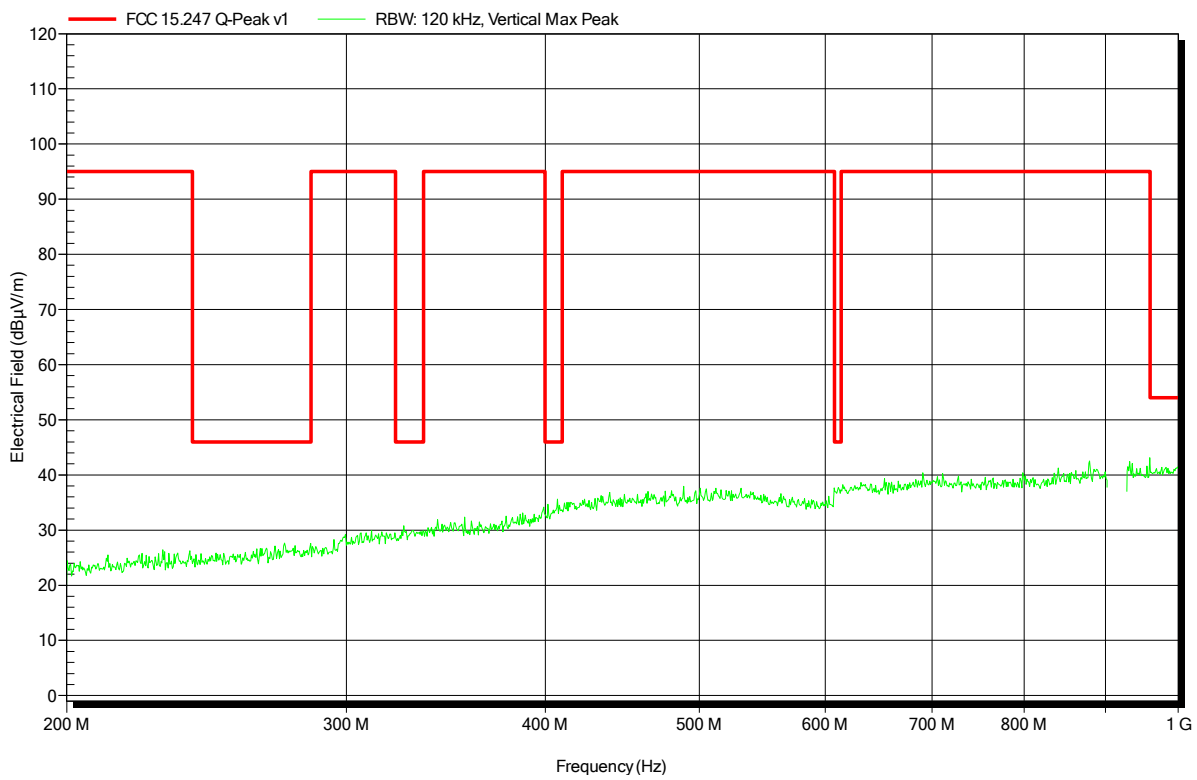


### Spurious emissions according to FCC 15.247

Project number: G0M-1612-6135

Applicant: Kamstrup A/S  
 EUT Name: Ultrasonic water meter  
 Model: FlowIQ 2250  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 20°C, Vnom: 3.6 VDC  
 Antenna: Rohde & Schwarz HL 223, Vertical  
 Measurement distance: 3 m  
 Mode: TX; Ant. 1653094; 918.5 MHz  
 Test Date: 2017-03-01  
 Note:

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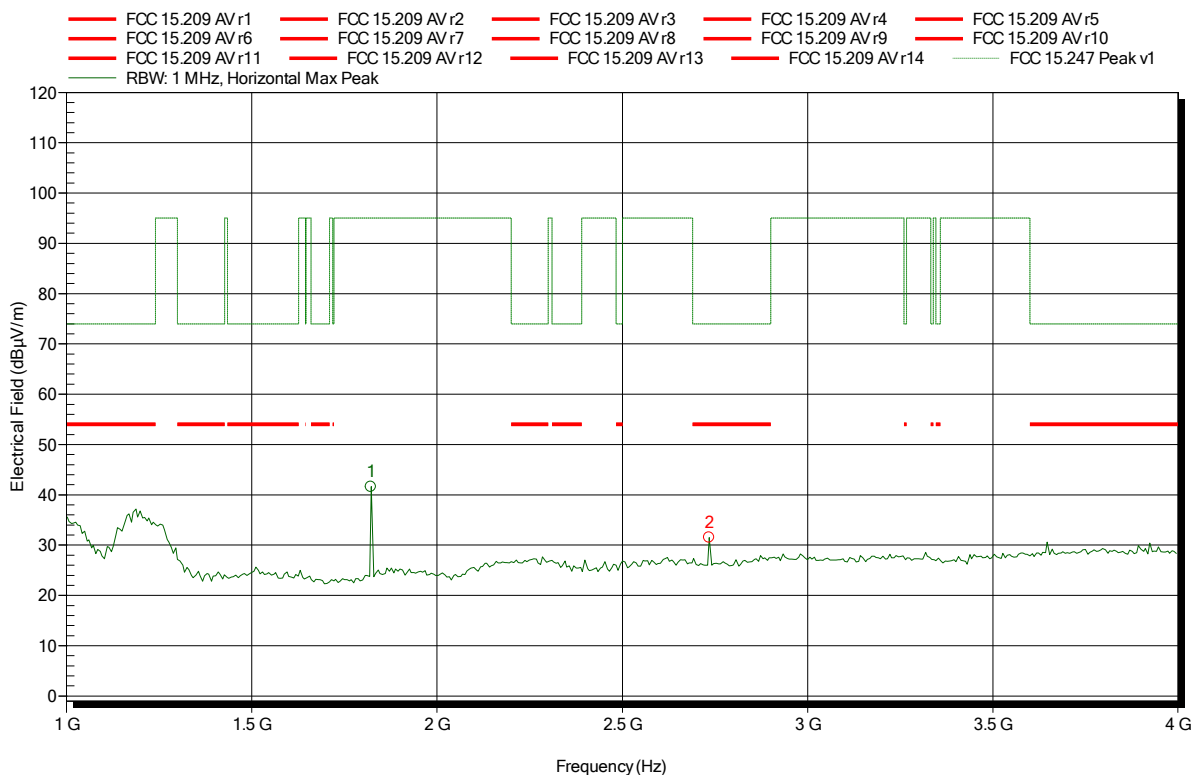


### Spurious emissions according to FCC 15.247

Project number: G0M-1612-6135

Applicant: Kamstrup A/S  
 EUT Name: Ultrasonic water meter  
 Model: FlowIQ 2250  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 20°C, Vnom: 3.6 VDC  
 Antenna: Schwarzbeck BBHA 9120D, Horizontal  
 Measurement distance: 1 m converted to 3m  
 Mode: TX; Ant. 1653094; 912.5 MHz  
 Test Date: 2017-02-27  
 Note:

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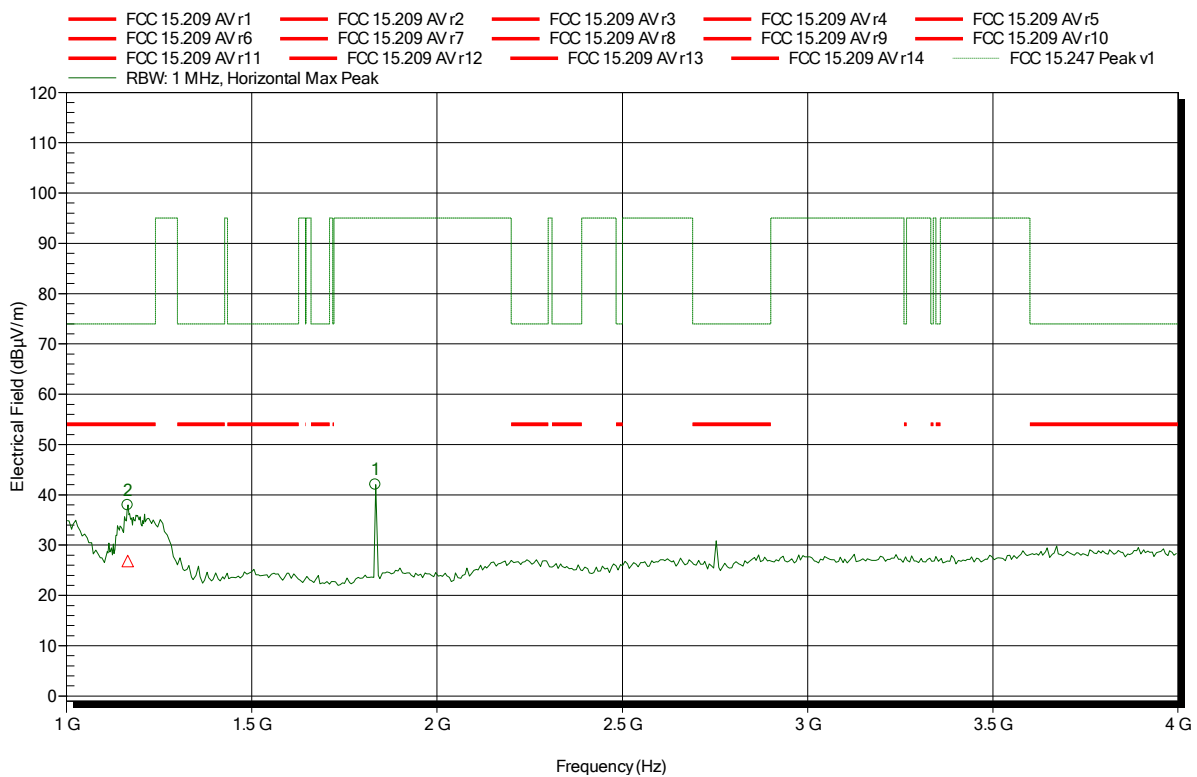
| Frequency | Peak         | Peak Limit | Peak Difference | Peak Status |
|-----------|--------------|------------|-----------------|-------------|
| 1.822 GHz | 41.6 dBµV/m  | 95 dBµV/m  | -53.4 dB        | Pass        |
| 2.734 GHz | 31.51 dBµV/m | 74 dBµV/m  | -42.49 dB       | Pass        |

### Spurious emissions according to FCC 15.247

Project number: G0M-1612-6135

Applicant: Kamstrup A/S  
 EUT Name: Ultrasonic water meter  
 Model: FlowIQ 2250  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 20°C, Vnom: 3.6 VDC  
 Antenna: Schwarzbeck BBHA 9120D, Horizontal  
 Measurement distance: 1 m converted to 3m  
 Mode: TX; Ant. 1653094; 918.5 MHz  
 Test Date: 2017-02-27  
 Note:

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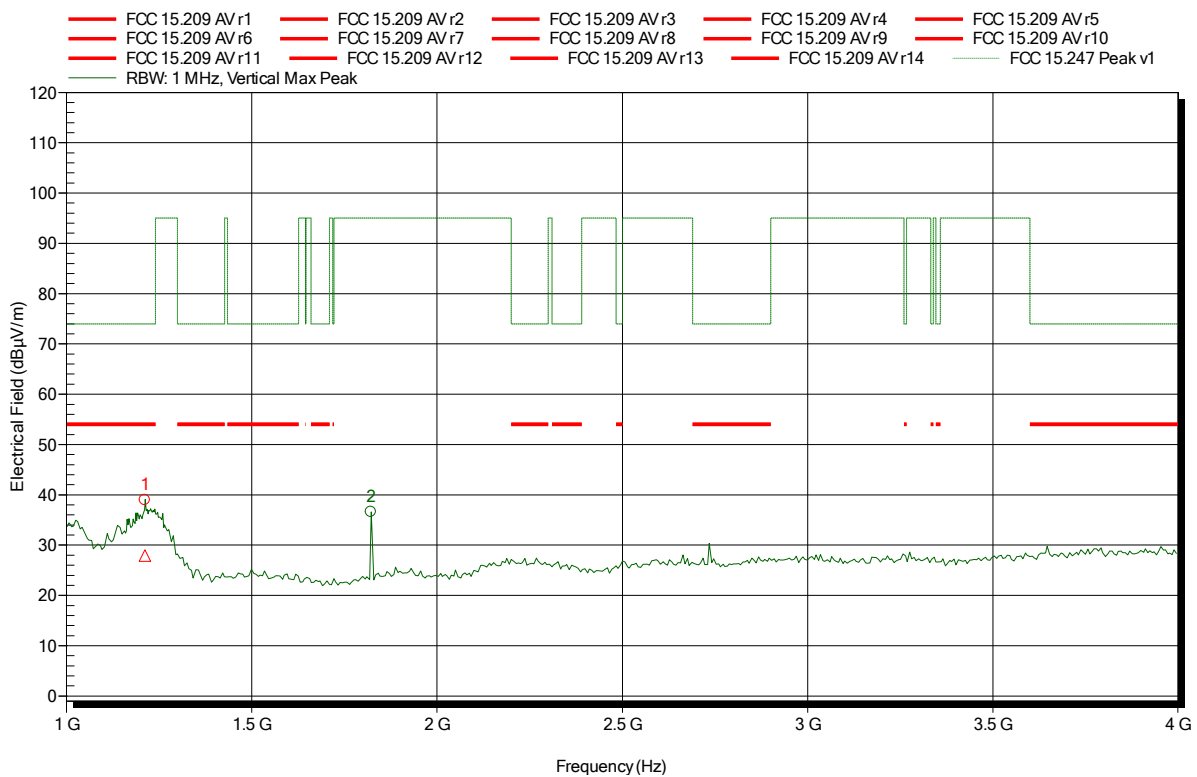
| Frequency | Peak         | Peak Limit | Peak Difference | Peak Status |
|-----------|--------------|------------|-----------------|-------------|
| 1.834 GHz | 42 dBµV/m    | 95 dBµV/m  | -53 dB          | Pass        |
| Frequency | RMS          | RMS Limit  | RMS Difference  | RMS Status  |
| 1.166 GHz | 26.84 dBµV/m | 54 dBµV/m  | -27.16 dB       | Pass        |

### Spurious emissions according to FCC 15.247

Project number: G0M-1612-6135

Applicant: Kamstrup A/S  
 EUT Name: Ultrasonic water meter  
 Model: FlowIQ 2250  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 20°C, Vnom: 3.6 VDC  
 Antenna: Schwarzbeck BBHA 9120D, Vertical  
 Measurement distance: 1 m converted to 3m  
 Mode: TX; Ant. 1653094; 912.5 MHz  
 Test Date: 2017-02-27  
 Note:

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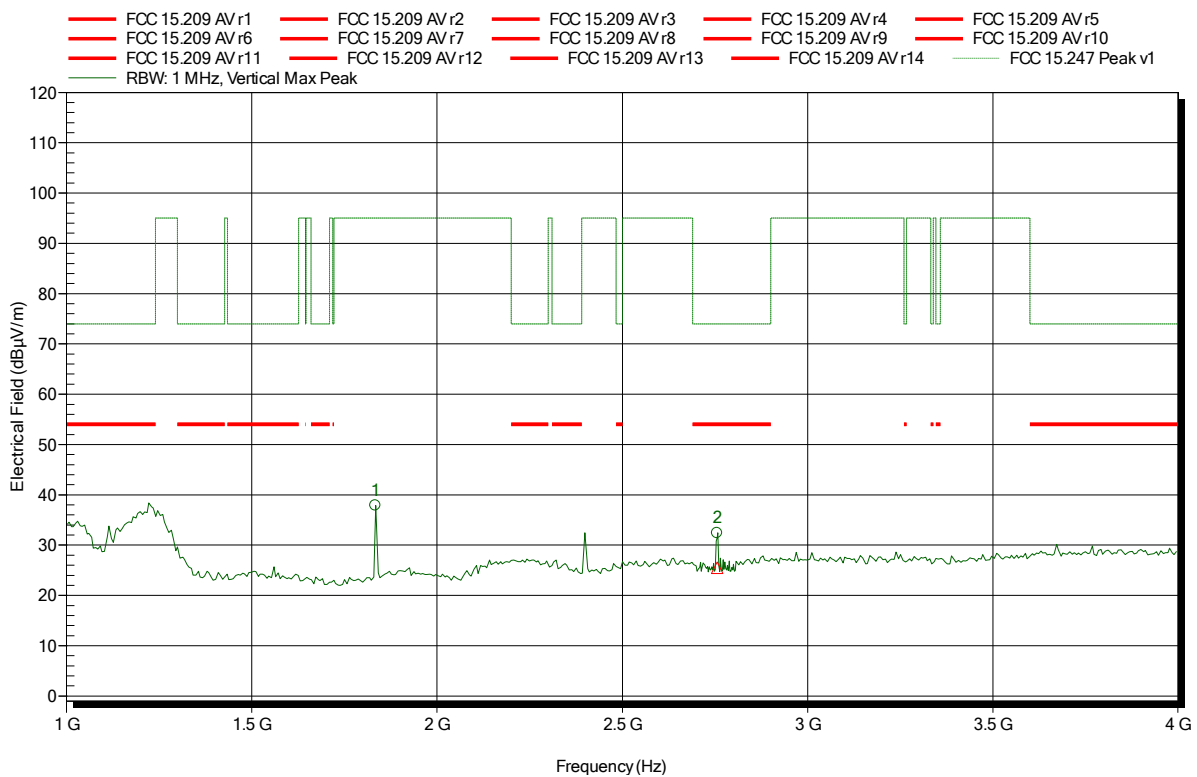
| Frequency | Peak         | Peak Limit | Peak Difference | Peak Status |
|-----------|--------------|------------|-----------------|-------------|
| 1.822 GHz | 36.59 dBµV/m | 95 dBµV/m  | -58.41 dB       | Pass        |
| Frequency | RMS          | RMS Limit  | RMS Difference  | RMS Status  |
| 1.212 GHz | 27.92 dBµV/m | 54 dBµV/m  | -26.08 dB       | Pass        |

### Spurious emissions according to FCC 15.247

Project number: G0M-1612-6135

Applicant: Kamstrup A/S  
 EUT Name: Ultrasonic water meter  
 Model: FlowIQ 2250  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 20°C, Vnom: 3.6 VDC  
 Antenna: Schwarzbeck BBHA 9120D, Vertical  
 Measurement distance: 1 m converted to 3m  
 Mode: TX; Ant. 1653094; 918.5 MHz  
 Test Date: 2017-02-27  
 Note:

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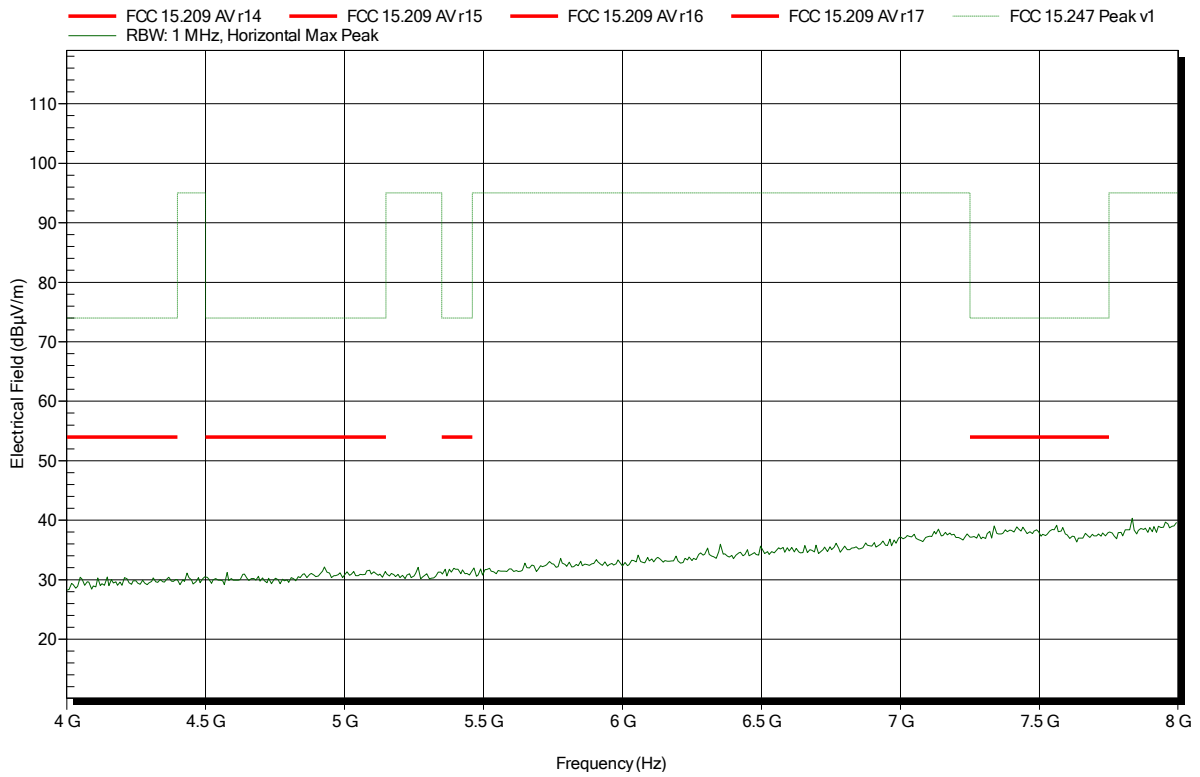
| Frequency | Peak         | Peak Limit | Peak Difference | Peak Status |
|-----------|--------------|------------|-----------------|-------------|
| 1.834 GHz | 37.9 dBµV/m  | 95 dBµV/m  | -57.1 dB        | Pass        |
| Frequency | RMS          | RMS Limit  | RMS Difference  | RMS Status  |
| 2.756 GHz | 25.51 dBµV/m | 54 dBµV/m  | -28.49 dB       | Pass        |

### Spurious emissions according to FCC 15.247

Project number: G0M-1612-6135

Applicant: Kamstrup A/S  
 EUT Name: Ultrasonic water meter  
 Model: FlowIQ 2250  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 20°C, Vnom: 3.6 VDC  
 Antenna: Schwarzbeck BBHA 9120D, Horizontal  
 Measurement distance: 1 m converted to 3m  
 Mode: TX; Ant. 1653094; 912.5 MHz  
 Test Date: 2017-02-27  
 Note:

Index 2

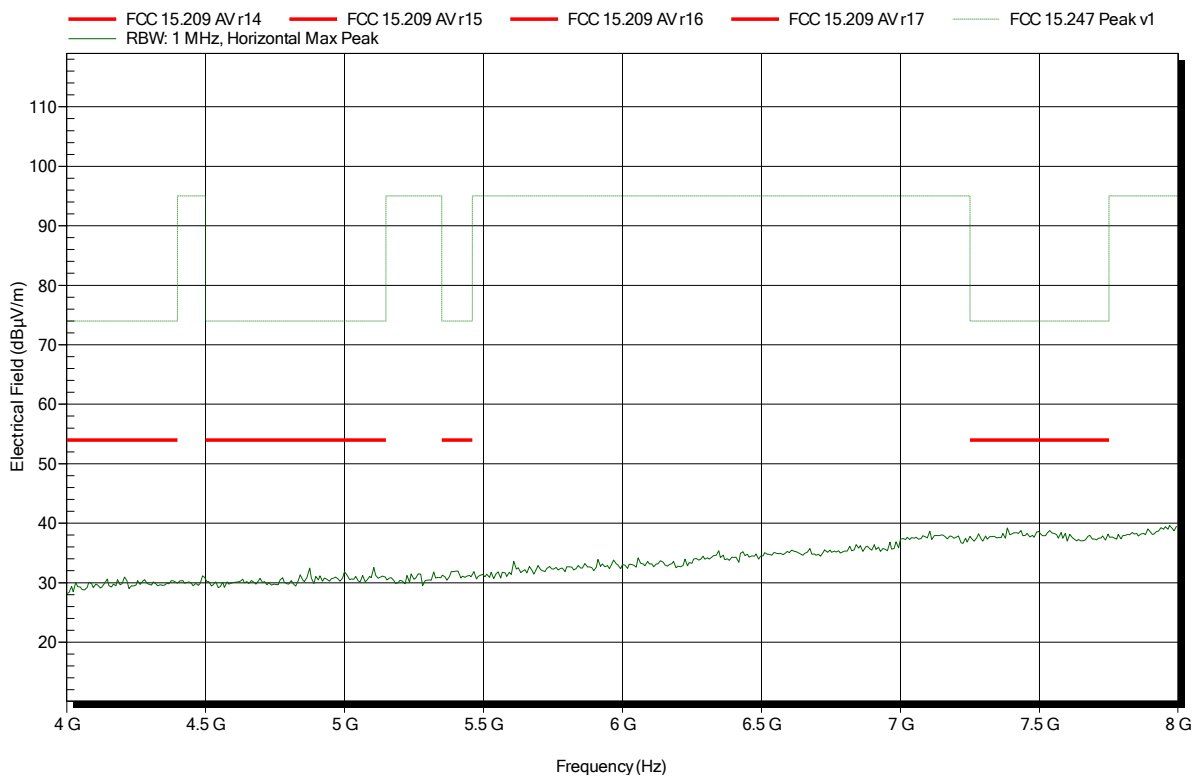


### Spurious emissions according to FCC 15.247

Project number: G0M-1612-6135

Applicant: Kamstrup A/S  
 EUT Name: Ultrasonic water meter  
 Model: FlowIQ 2250  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 20°C, Vnom: 3.6 VDC  
 Antenna: Schwarzbeck BBHA 9120D, Horizontal  
 Measurement distance: 1 m converted to 3m  
 Mode: TX; Ant. 1653094; 918.5 MHz  
 Test Date: 2017-02-27  
 Note:

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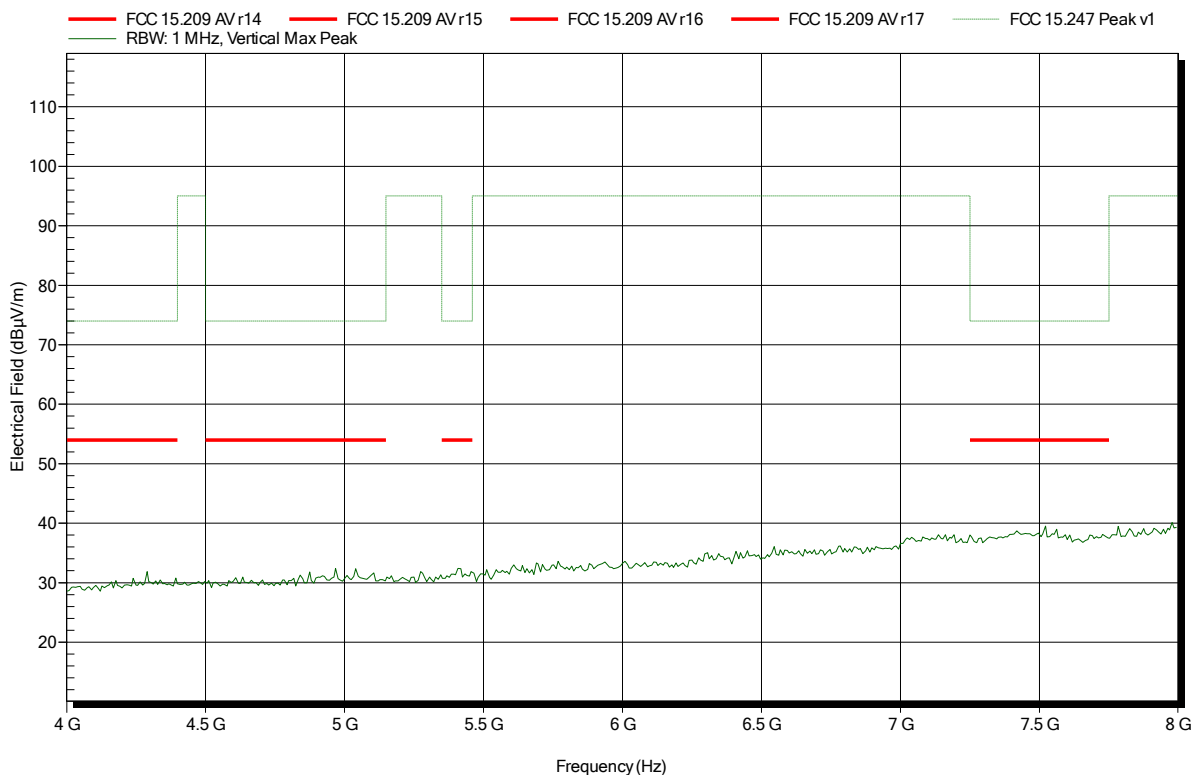


**Spurious emissions according to FCC 15.247**

Project number: G0M-1612-6135

Applicant: Kamstrup A/S  
 EUT Name: Ultrasonic water meter  
 Model: FlowIQ 2250  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 20°C, Vnom: 3.6 VDC  
 Antenna: Schwarzbeck BBHA 9120D, Vertical  
 Measurement distance: 1 m converted to 3m  
 Mode: TX; Ant. 1653094; 912.5 MHz  
 Test Date: 2017-02-27  
 Note:

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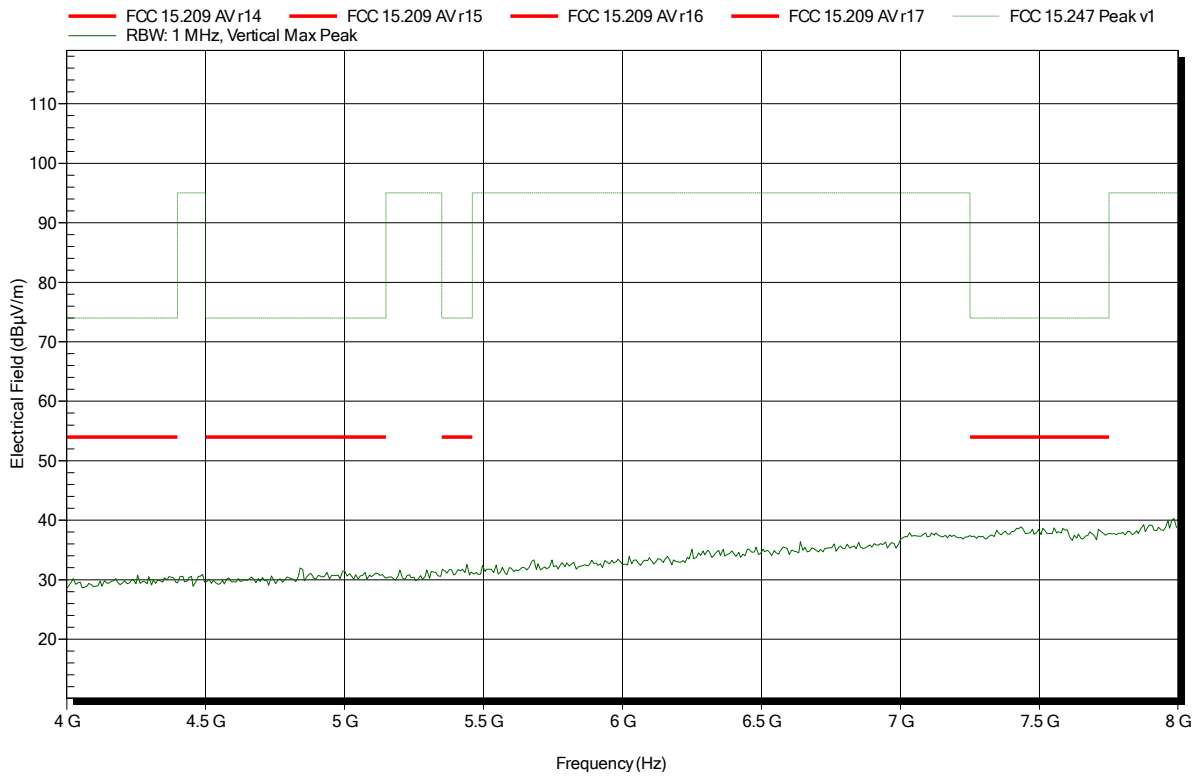


**Spurious emissions according to FCC 15.247**

Project number: G0M-1612-6135

Applicant: Kamstrup A/S  
 EUT Name: Ultrasonic water meter  
 Model: FlowIQ 2250  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 20°C, Vnom: 3.6 VDC  
 Antenna: Schwarzbeck BBHA 9120D, Vertical  
 Measurement distance: 1 m converted to 3m  
 Mode: TX; Ant. 1653094; 918.5 MHz  
 Test Date: 2017-02-27  
 Note:

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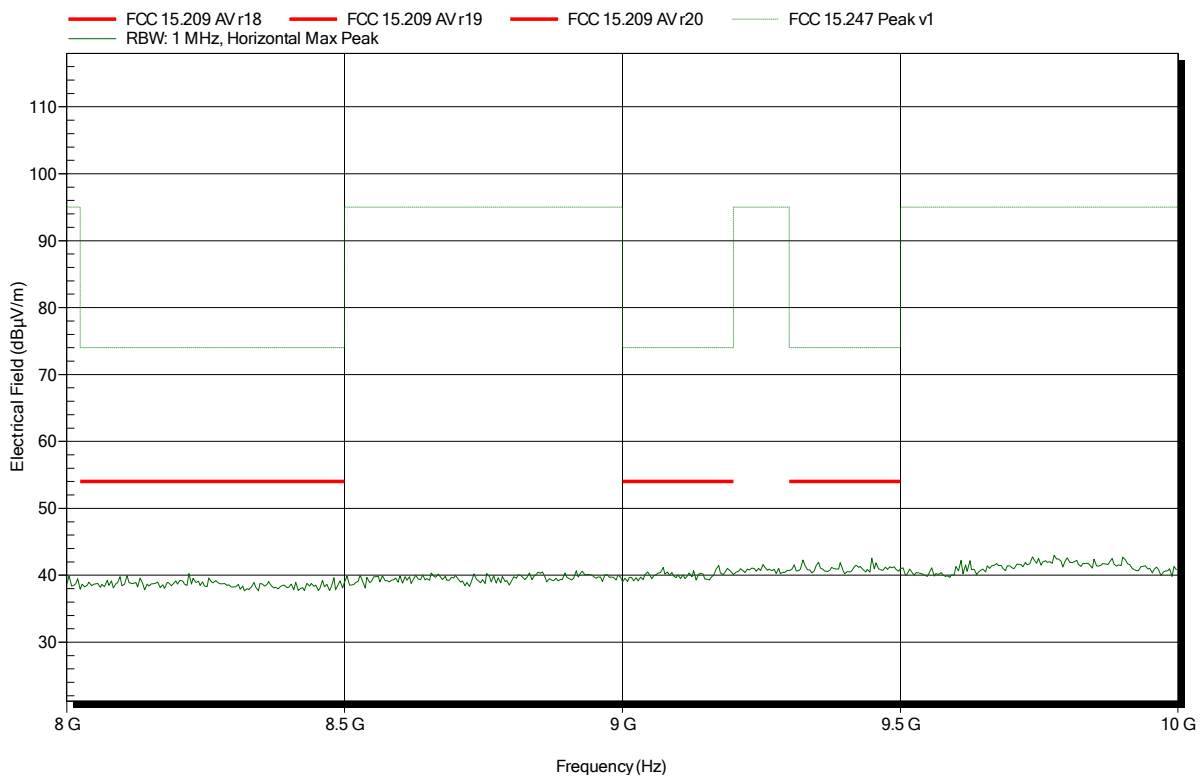


### Spurious emissions according to FCC 15.247

Project number: G0M-1612-6135

Applicant: Kamstrup A/S  
 EUT Name: Ultrasonic water meter  
 Model: FlowIQ 2250  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 20°C, Vnom: 3.6 VDC  
 Antenna: Schwarzbeck BBHA 9120D, Horizontal  
 Measurement distance: 1 m converted to 3m  
 Mode: TX; Ant. 1653094; 912.5 MHz  
 Test Date: 2017-02-27  
 Note:

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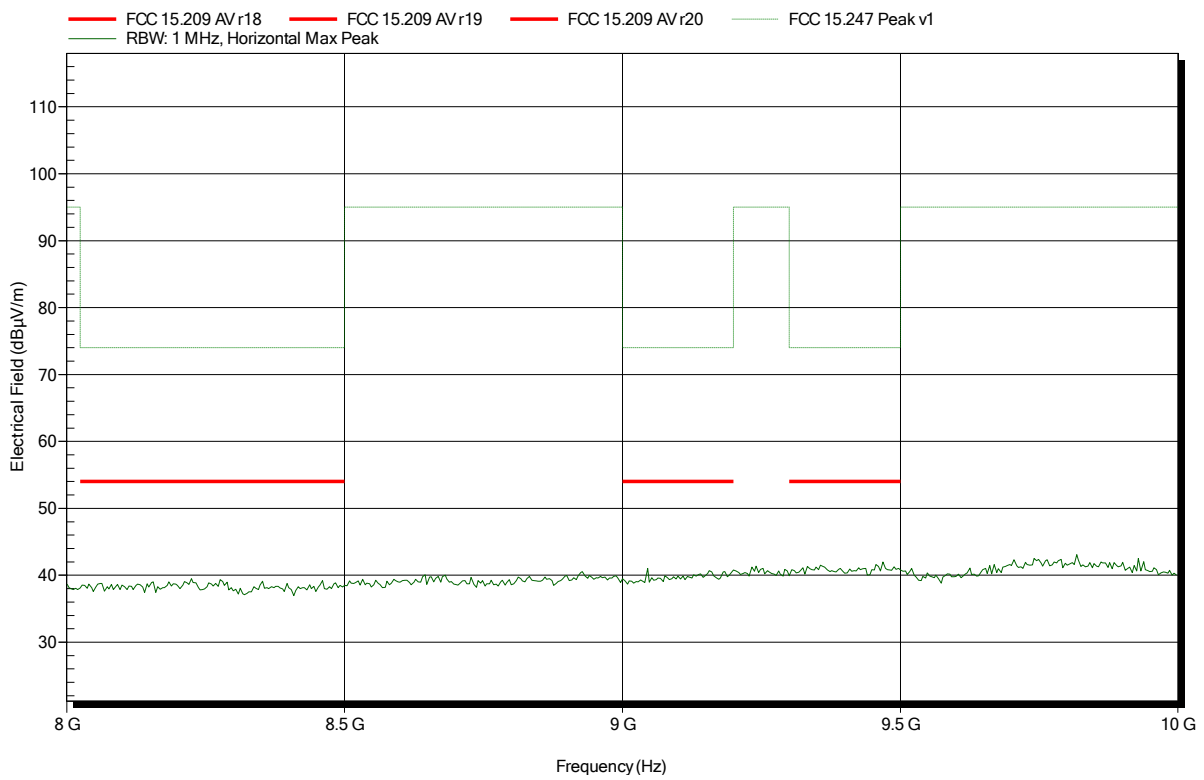


**Spurious emissions according to FCC 15.247**

Project number: G0M-1612-6135

Applicant: Kamstrup A/S  
 EUT Name: Ultrasonic water meter  
 Model: FlowIQ 2250  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 20°C, Vnom: 3.6 VDC  
 Antenna: Schwarzbeck BBHA 9120D, Horizontal  
 Measurement distance: 1 m converted to 3m  
 Mode: TX; Ant. 1653094; 918.5 MHz  
 Test Date: 2017-02-27  
 Note:

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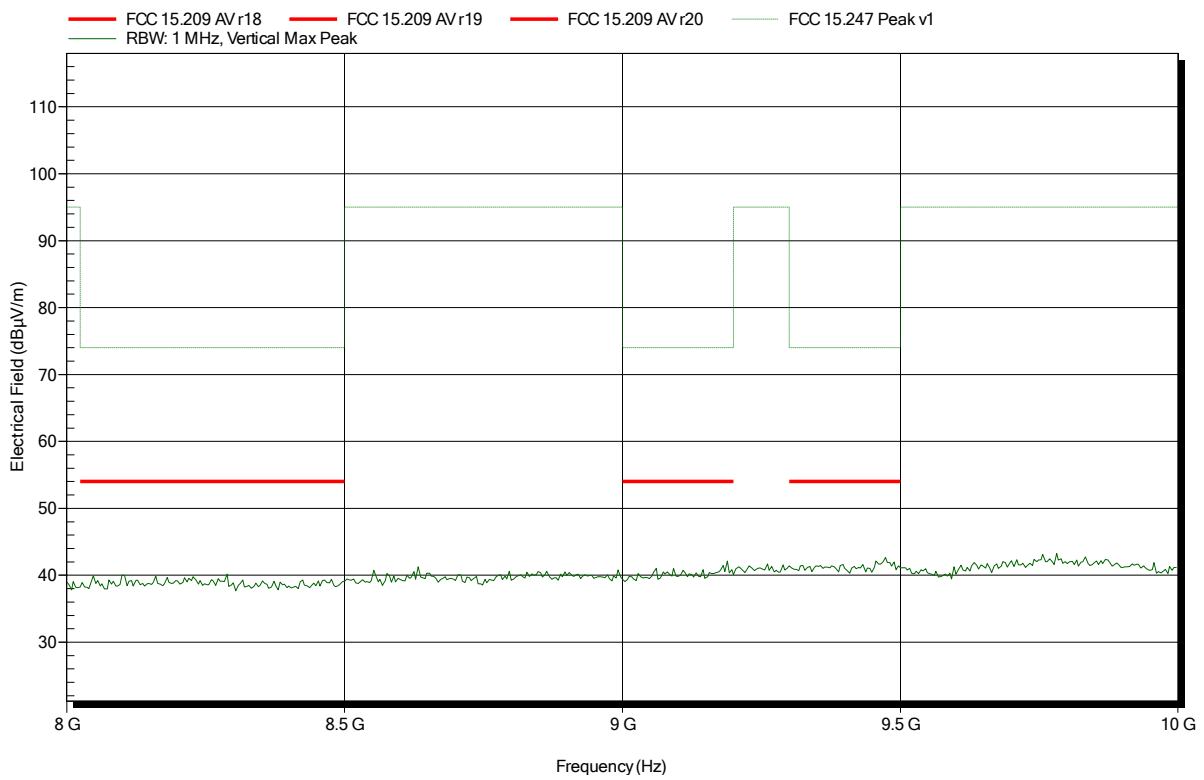


### Spurious emissions according to FCC 15.247

Project number: G0M-1612-6135

Applicant: Kamstrup A/S  
 EUT Name: Ultrasonic water meter  
 Model: FlowIQ 2250  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 20°C, Vnom: 3.6 VDC  
 Antenna: Schwarzbeck BBHA 9120D, Vertical  
 Measurement distance: 1 m converted to 3m  
 Mode: TX; Ant. 1653094; 912.5 MHz  
 Test Date: 2017-02-27  
 Note:

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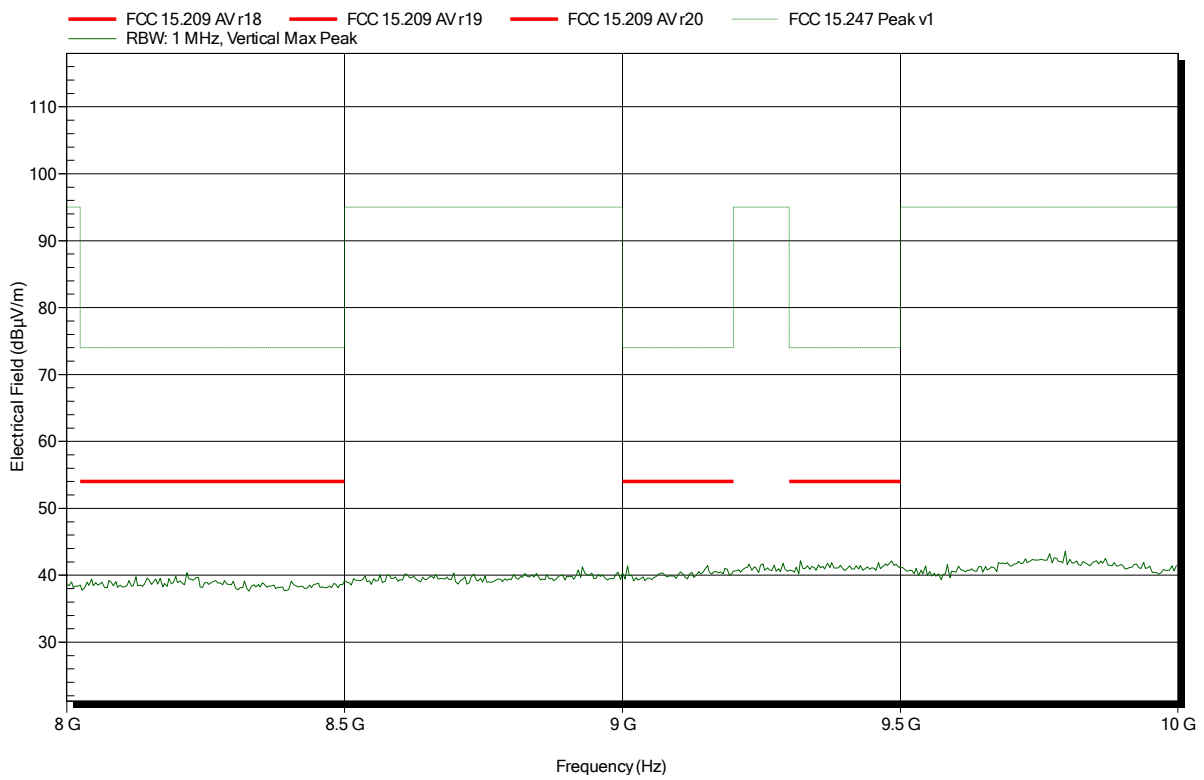


### Spurious emissions according to FCC 15.247

Project number: G0M-1612-6135

Applicant: Kamstrup A/S  
 EUT Name: Ultrasonic water meter  
 Model: FlowIQ 2250  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 20°C, Vnom: 3.6 VDC  
 Antenna: Schwarzbeck BBHA 9120D, Vertical  
 Measurement distance: 1 m converted to 3m  
 Mode: TX; Ant. 1653094; 918.5 MHz  
 Test Date: 2017-02-27  
 Note:

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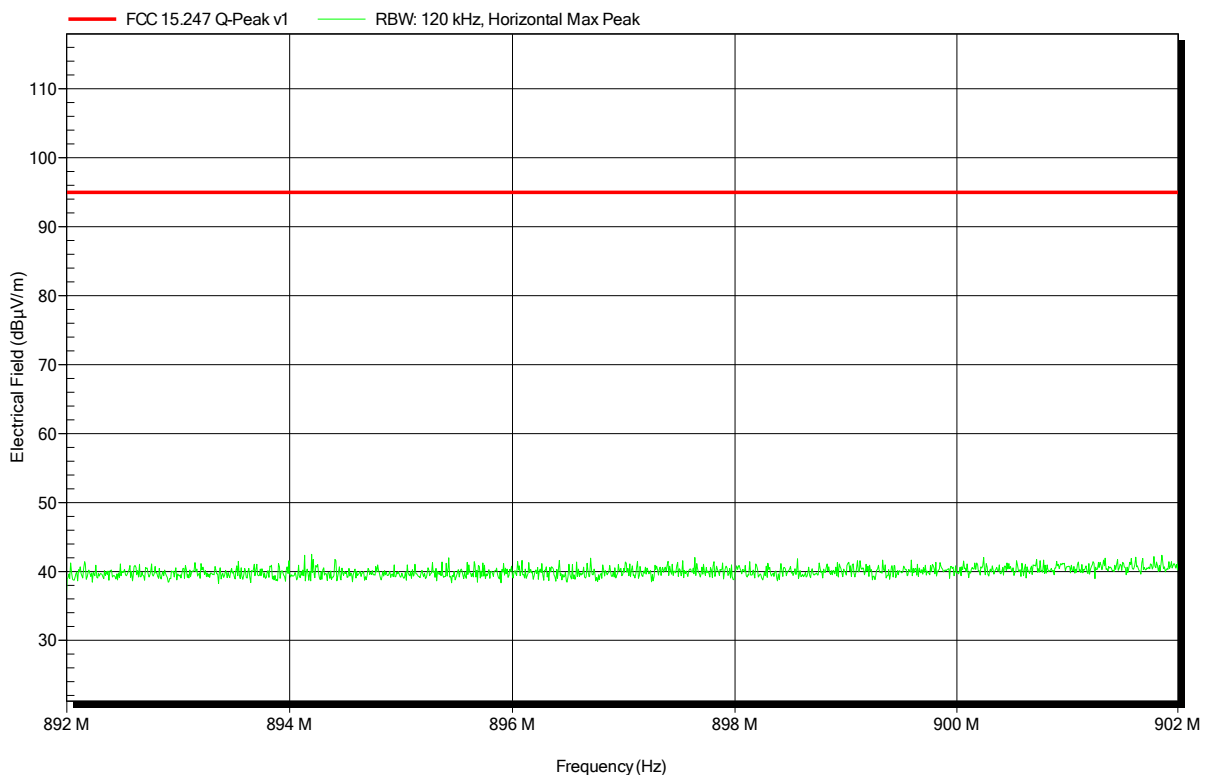


### Spurious emissions according to FCC 15.247

Project number: G0M-1612-6135

Applicant: Kamstrup A/S  
 EUT Name: Ultrasonic water meter  
 Model: FlowIQ 2250  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 20°C, Vnom: 3.6 VDC  
 Antenna: Rohde & Schwarz HL 223, Horizontal  
 Measurement distance: 3 m  
 Mode: TX; Ant. 1653094; 912.5 MHz  
 Test Date: 2017-03-01  
 Note:

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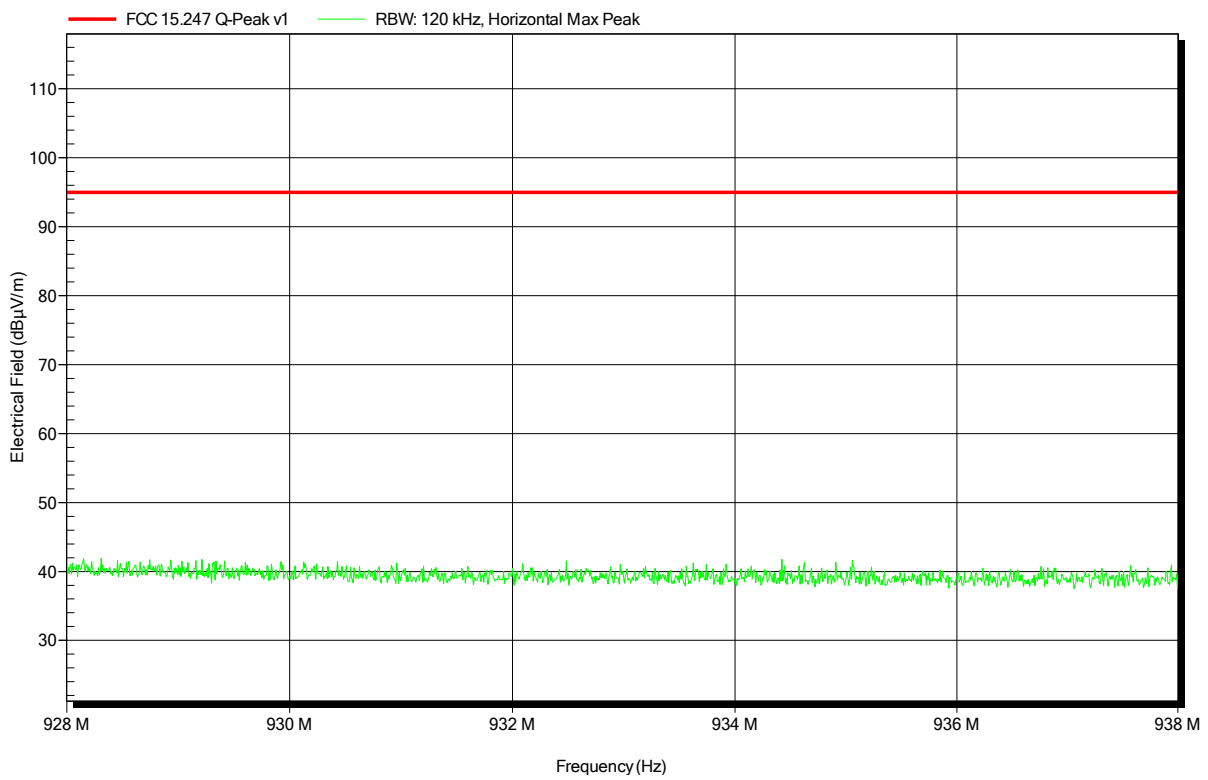


### Spurious emissions according to FCC 15.247

Project number: G0M-1612-6135

Applicant: Kamstrup A/S  
 EUT Name: Ultrasonic water meter  
 Model: FlowIQ 2250  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 20°C, Vnom: 3.6 VDC  
 Antenna: Rohde & Schwarz HL 223, Horizontal  
 Measurement distance: 3 m  
 Mode: TX; Ant. 1653094; 918.5 MHz  
 Test Date: 2017-03-01  
 Note:

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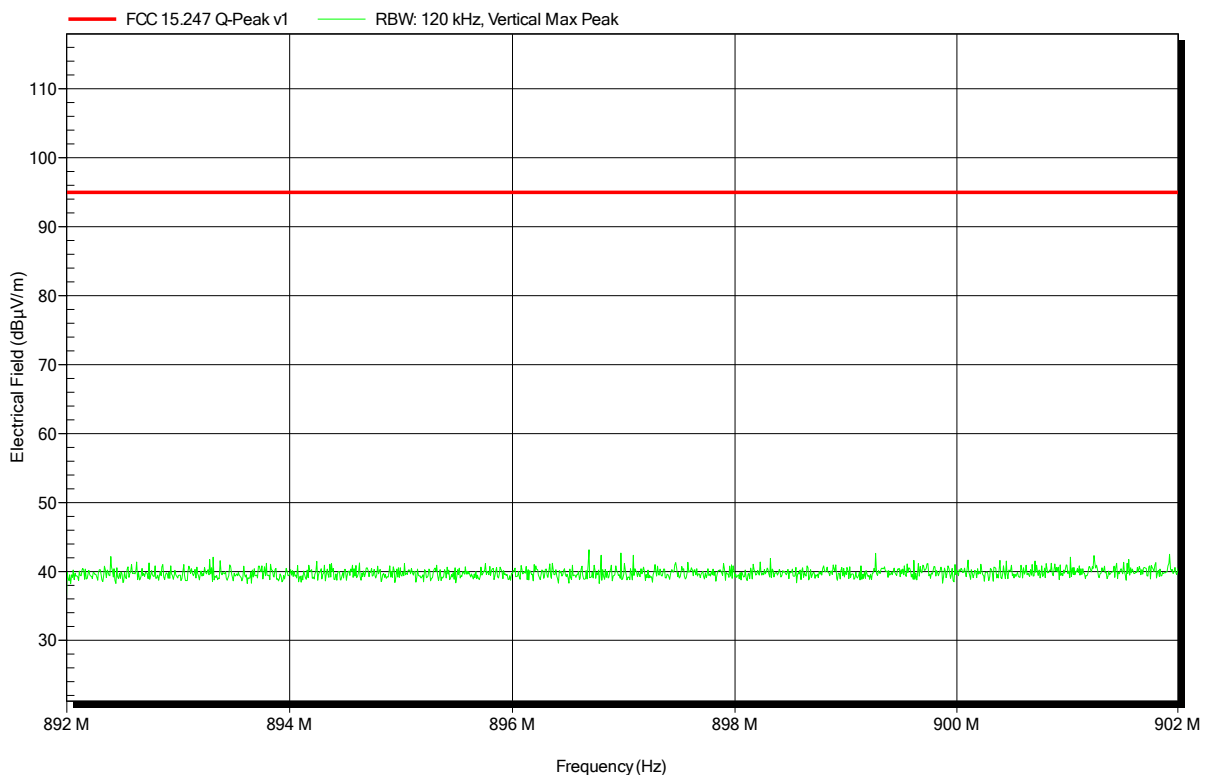


### Spurious emissions according to FCC 15.247

Project number: G0M-1612-6135

Applicant: Kamstrup A/S  
 EUT Name: Ultrasonic water meter  
 Model: FlowIQ 2250  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 20°C, Vnom: 3.6 VDC  
 Antenna: Rohde & Schwarz HL 223, Vertical  
 Measurement distance: 3 m  
 Mode: TX; Ant. 1653094; 912.5 MHz  
 Test Date: 2017-03-01  
 Note:

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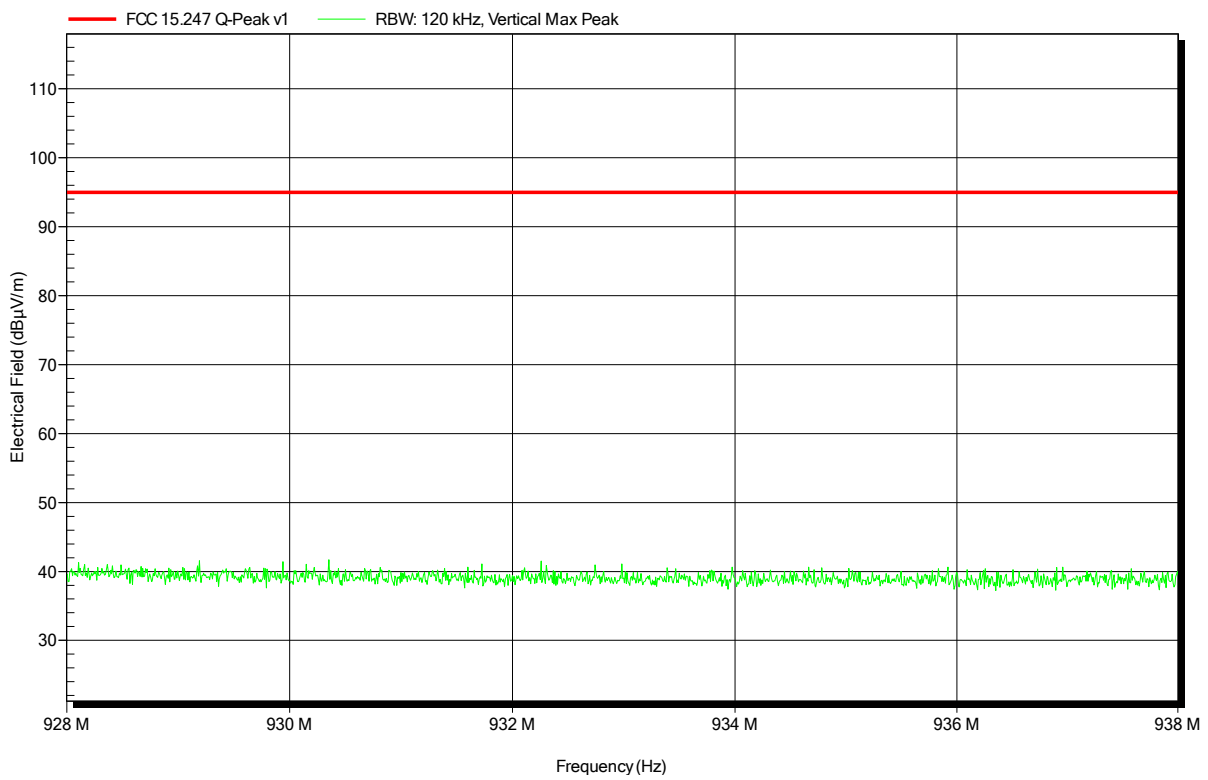


**Spurious emissions according to FCC 15.247**

Project number: G0M-1612-6135

Applicant: Kamstrup A/S  
 EUT Name: Ultrasonic water meter  
 Model: FlowIQ 2250  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 20°C, Vnom: 3.6 VDC  
 Antenna: Rohde & Schwarz HL 223, Vertical  
 Measurement distance: 3 m  
 Mode: TX; Ant. 1653094; 918.5 MHz  
 Test Date: 2017-03-01  
 Note:

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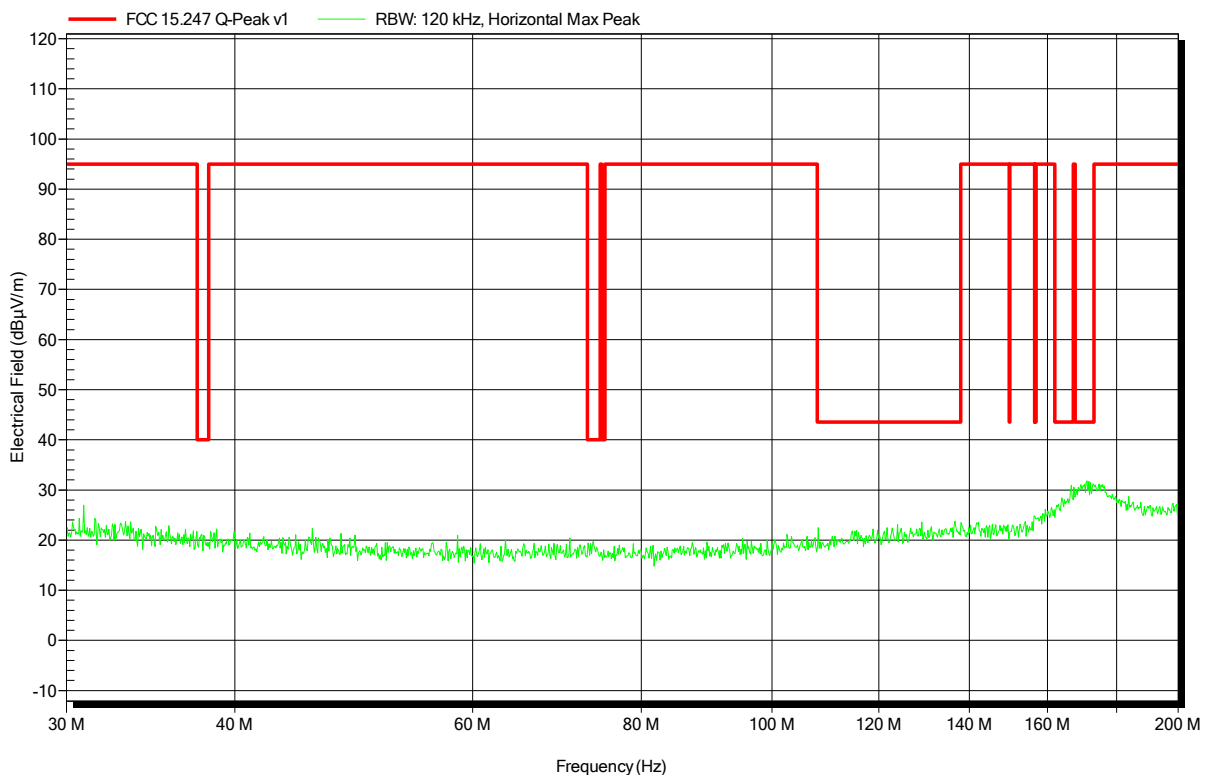


### Spurious emissions according to FCC 15.247

Project number: G0M-1612-6135

Applicant: Kamstrup A/S  
 EUT Name: Ultrasonic water meter  
 Model: FlowIQ 2250  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 20°C, Vnom: 3.6 VDC  
 Antenna: Rohde & Schwarz HK 116, Horizontal  
 Measurement distance: 3 m  
 Mode: TX; Ant. 6699490; 912.5 MHz  
 Test Date: 2017-03-01  
 Note:

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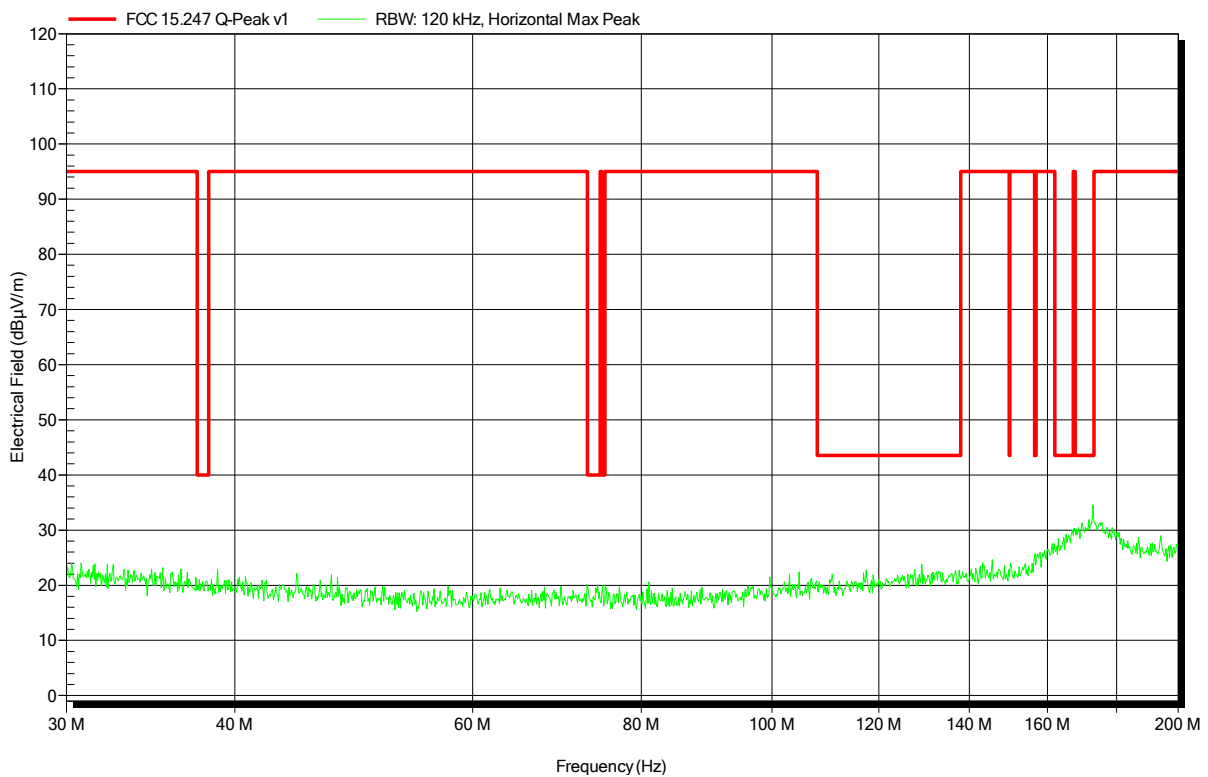


### Spurious emissions according to FCC 15.247

Project number: G0M-1612-6135

Applicant: Kamstrup A/S  
 EUT Name: Ultrasonic water meter  
 Model: FlowIQ 2250  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 20°C, Vnom: 3.6 VDC  
 Antenna: Rohde & Schwarz HK 116, Horizontal  
 Measurement distance: 3 m  
 Mode: TX; Ant. 6699490; 918.5 MHz  
 Test Date: 2017-03-01  
 Note:

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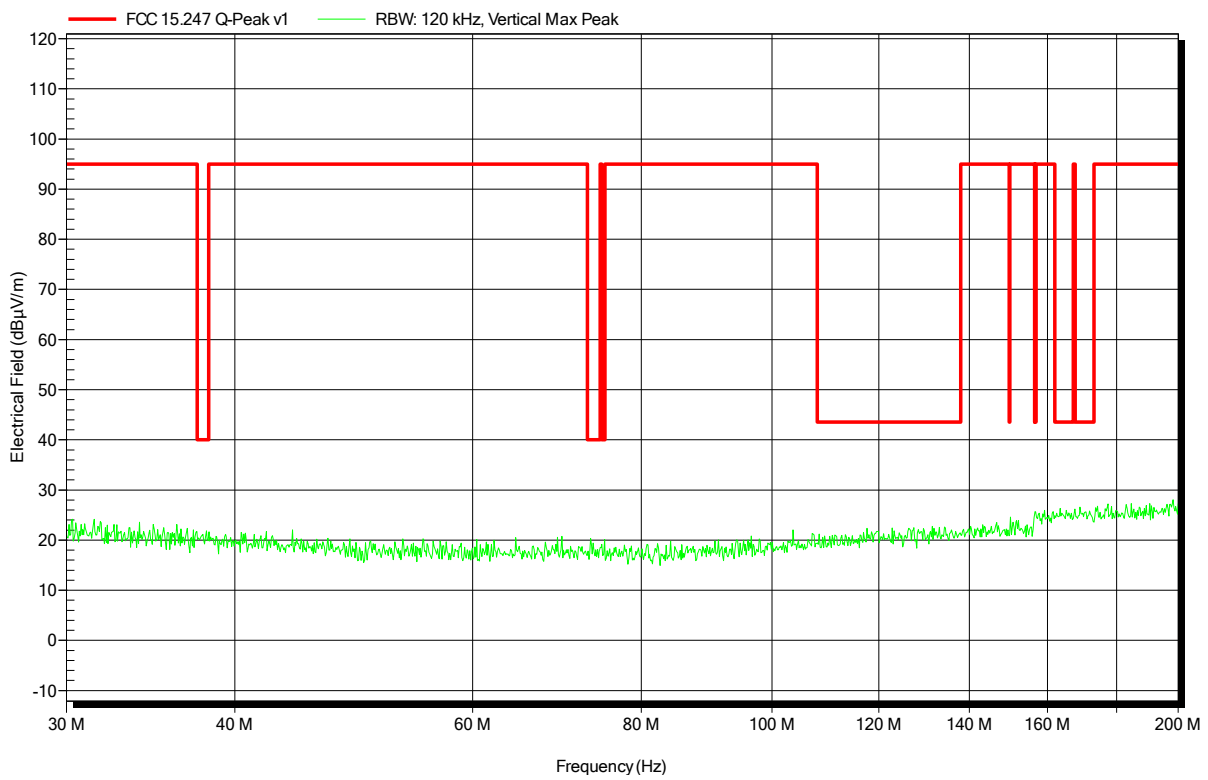


### Spurious emissions according to FCC 15.247

Project number: G0M-1612-6135

Applicant: Kamstrup A/S  
 EUT Name: Ultrasonic water meter  
 Model: FlowIQ 2250  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 20°C, Vnom: 3.6 VDC  
 Antenna: Rohde & Schwarz HK 116, Vertical  
 Measurement distance: 3 m  
 Mode: TX; Ant. 6699490; 912.5 MHz  
 Test Date: 2017-03-01  
 Note:

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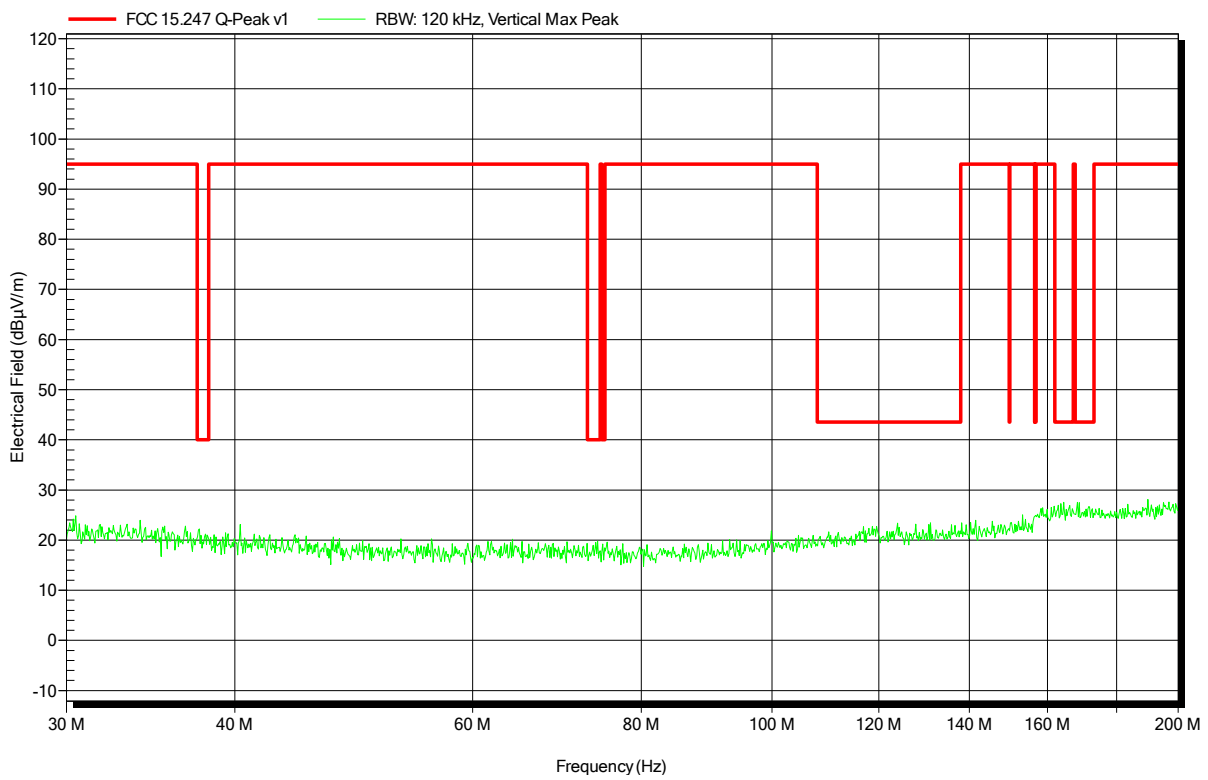


### Spurious emissions according to FCC 15.247

Project number: G0M-1612-6135

Applicant: Kamstrup A/S  
 EUT Name: Ultrasonic water meter  
 Model: FlowIQ 2250  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 20°C, Vnom: 3.6 VDC  
 Antenna: Rohde & Schwarz HK 116, Vertical  
 Measurement distance: 3 m  
 Mode: TX; Ant. 6699490; 918.5 MHz  
 Test Date: 2017-03-01  
 Note:

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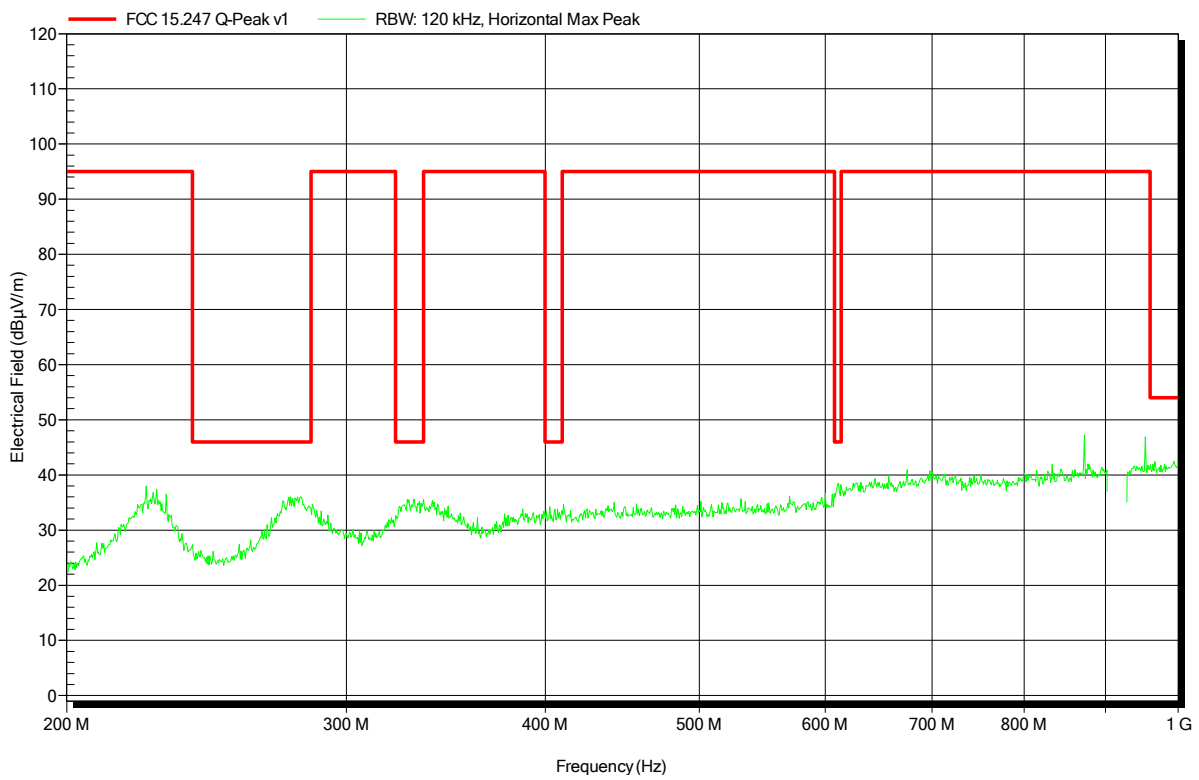


**Spurious emissions according to FCC 15.247**

Project number: G0M-1612-6135

Applicant: Kamstrup A/S  
 EUT Name: Ultrasonic water meter  
 Model: FlowIQ 2250  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 20°C, Vnom: 3.6 VDC  
 Antenna: Rohde & Schwarz HL 223, Horizontal  
 Measurement distance: 3 m  
 Mode: TX; Ant. 6699490; 912.5 MHz  
 Test Date: 2017-03-01  
 Note:

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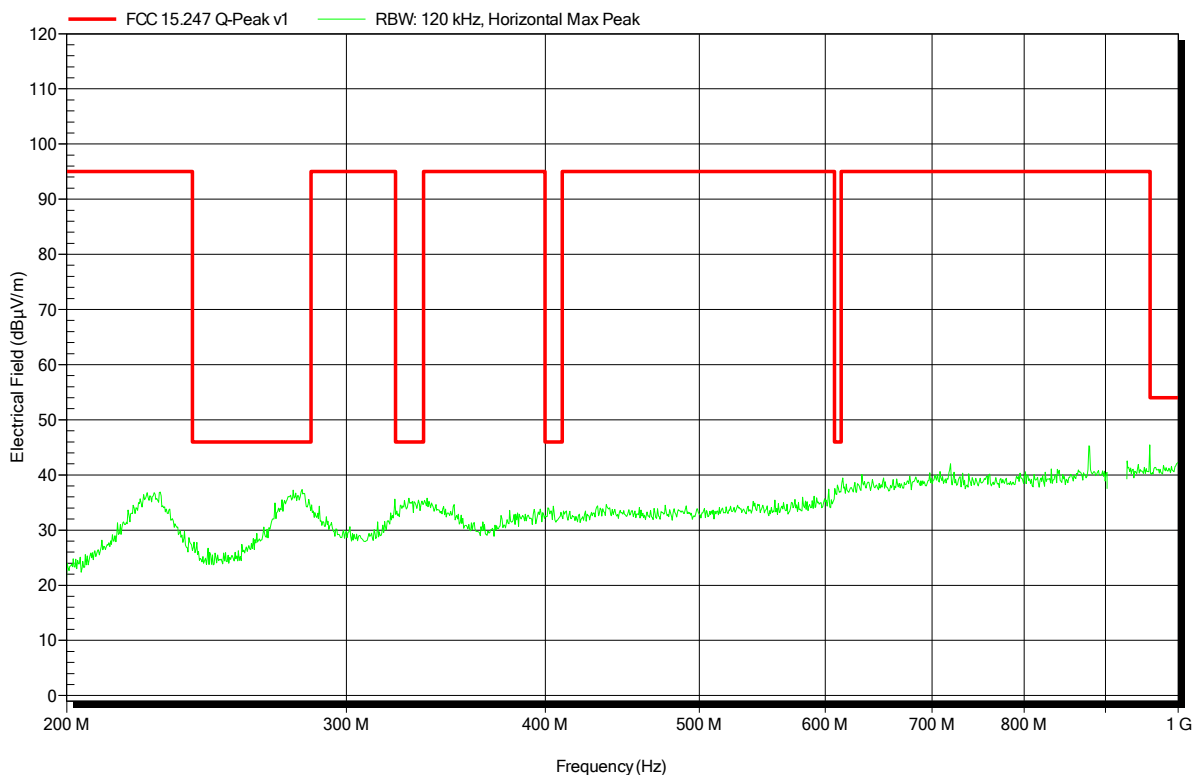


### Spurious emissions according to FCC 15.247

Project number: G0M-1612-6135

Applicant: Kamstrup A/S  
 EUT Name: Ultrasonic water meter  
 Model: FlowIQ 2250  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 20°C, Vnom: 3.6 VDC  
 Antenna: Rohde & Schwarz HL 223, Horizontal  
 Measurement distance: 3 m  
 Mode: TX; Ant. 6699490; 918.5 MHz  
 Test Date: 2017-03-01  
 Note:

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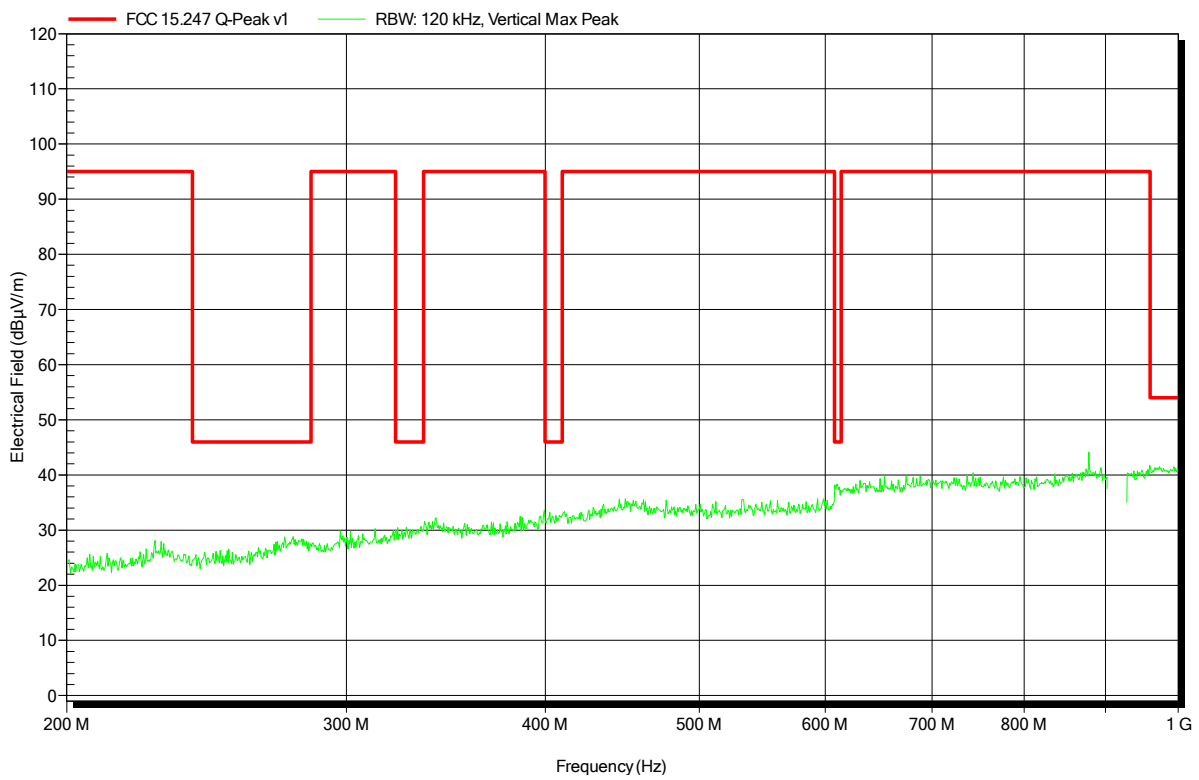


### Spurious emissions according to FCC 15.247

Project number: G0M-1612-6135

Applicant: Kamstrup A/S  
 EUT Name: Ultrasonic water meter  
 Model: FlowIQ 2250  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 20°C, Vnom: 3.6 VDC  
 Antenna: Rohde & Schwarz HL 223, Vertical  
 Measurement distance: 3 m  
 Mode: TX; Ant. 6699490; 918.5 MHz  
 Test Date: 2017-03-01  
 Note:

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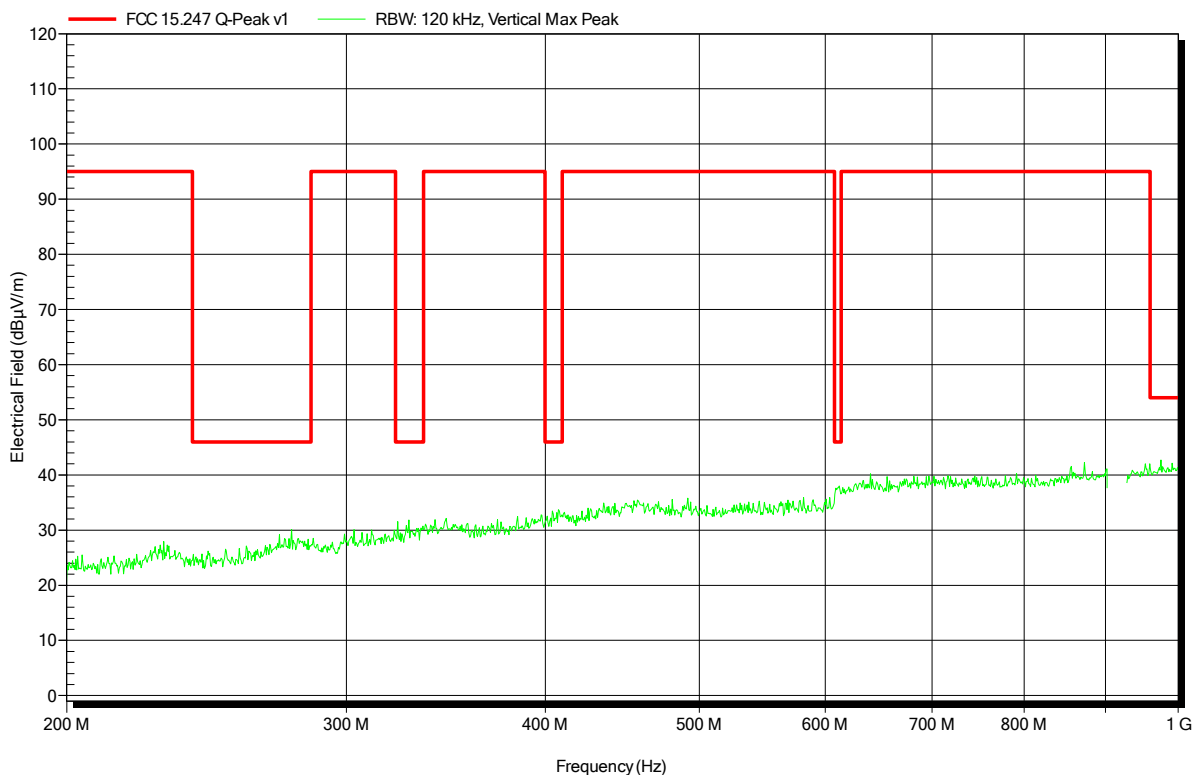


### Spurious emissions according to FCC 15.247

Project number: G0M-1612-6135

Applicant: Kamstrup A/S  
 EUT Name: Ultrasonic water meter  
 Model: FlowIQ 2250  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 20°C, Vnom: 3.6 VDC  
 Antenna: Rohde & Schwarz HL 223, Vertical  
 Measurement distance: 3 m  
 Mode: TX; Ant. 6699490; 912.5 MHz  
 Test Date: 2017-03-01  
 Note:

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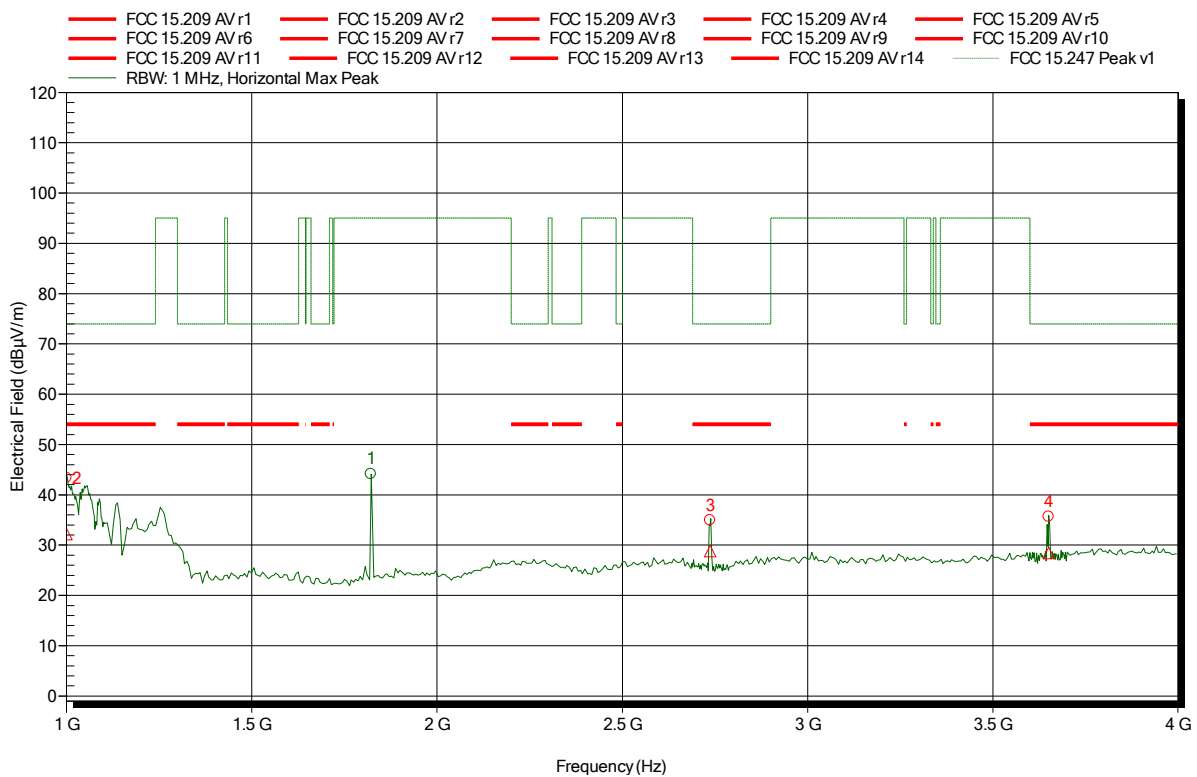


### Spurious emissions according to FCC 15.247

Project number: G0M-1612-6135

Applicant: Kamstrup A/S  
 EUT Name: Ultrasonic water meter  
 Model: FlowIQ 2250  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 20°C, Vnom: 3.6 VDC  
 Antenna: Schwarzbeck BBHA 9120D, Horizontal  
 Measurement distance: 1 m converted to 3m  
 Mode: TX; Ant. 6699490; 912.5 MHz  
 Test Date: 2017-02-27  
 Note:

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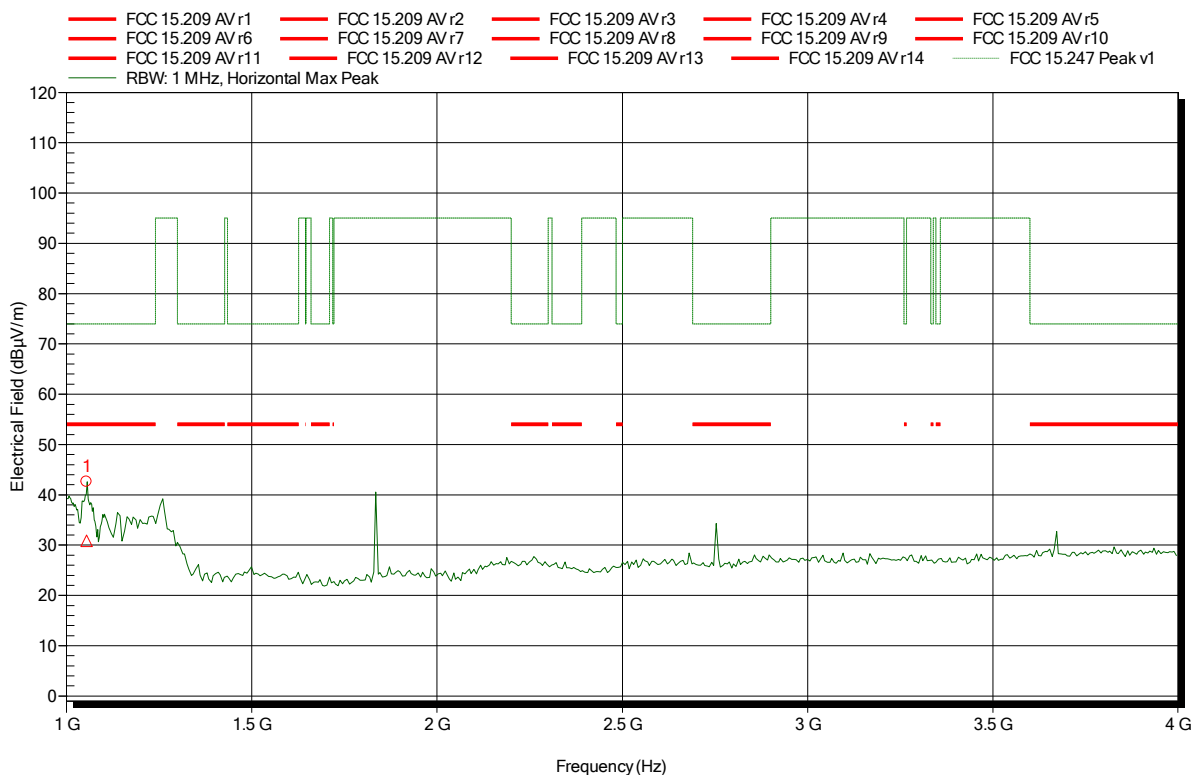
| Frequency | Peak         | Peak Limit | Peak Difference | Peak Status |
|-----------|--------------|------------|-----------------|-------------|
| 1.822 GHz | 44.12 dBµV/m | 95 dBµV/m  | -50.88 dB       | Pass        |
| Frequency | RMS          | RMS Limit  | RMS Difference  | RMS Status  |
| 1 GHz     | 32.18 dBµV/m | 54 dBµV/m  | -21.82 dB       | Pass        |
| 2.737 GHz | 28.83 dBµV/m | 54 dBµV/m  | -25.17 dB       | Pass        |
| 3.651 GHz | 28.44 dBµV/m | 54 dBµV/m  | -25.56 dB       | Pass        |

### Spurious emissions according to FCC 15.247

Project number: G0M-1612-6135

Applicant: Kamstrup A/S  
 EUT Name: Ultrasonic water meter  
 Model: FlowIQ 2250  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 20°C, Vnom: 3.6 VDC  
 Antenna: Schwarzbeck BBHA 9120D, Horizontal  
 Measurement distance: 1 m converted to 3m  
 Mode: TX; Ant. 6699490; 918.5 MHz  
 Test Date: 2017-02-27  
 Note:

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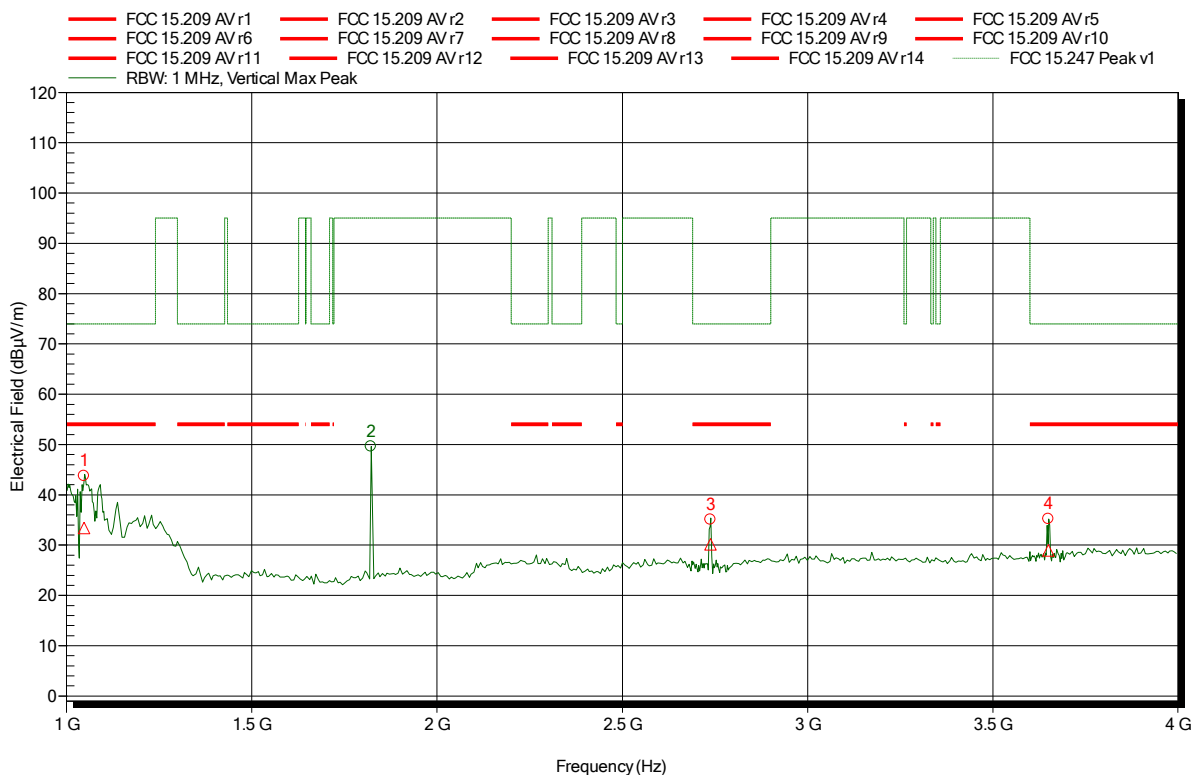
| Frequency | RMS          | RMS Limit | RMS Difference | RMS Status |
|-----------|--------------|-----------|----------------|------------|
| 1.054 GHz | 30.83 dBµV/m | 54 dBµV/m | -23.17 dB      | Pass       |

### Spurious emissions according to FCC 15.247

Project number: G0M-1612-6135

Applicant: Kamstrup A/S  
 EUT Name: Ultrasonic water meter  
 Model: FlowIQ 2250  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 20°C, Vnom: 3.6 VDC  
 Antenna: Schwarzbeck BBHA 9120D, Vertical  
 Measurement distance: 1 m converted to 3m  
 Mode: TX; Ant. 6699490; 912.5 MHz  
 Test Date: 2017-02-27  
 Note:

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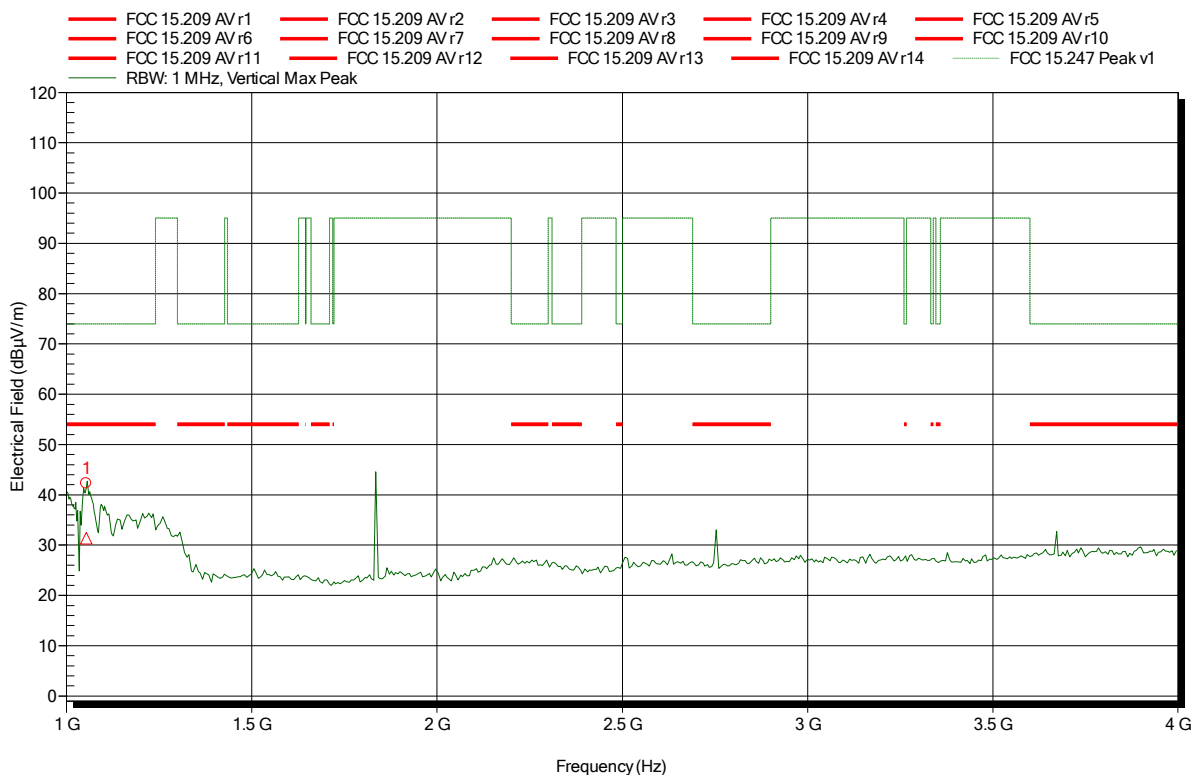
| Frequency | Peak         | Peak Limit | Peak Difference | Peak Status |
|-----------|--------------|------------|-----------------|-------------|
| 1.822 GHz | 49.63 dBµV/m | 95 dBµV/m  | -45.37 dB       | Pass        |
| Frequency | RMS          | RMS Limit  | RMS Difference  | RMS Status  |
| 1.048 GHz | 33.41 dBµV/m | 54 dBµV/m  | -20.59 dB       | Pass        |
| 2.738 GHz | 30.17 dBµV/m | 54 dBµV/m  | -23.83 dB       | Pass        |
| 3.649 GHz | 28.97 dBµV/m | 54 dBµV/m  | -25.03 dB       | Pass        |

### Spurious emissions according to FCC 15.247

Project number: G0M-1612-6135

Applicant: Kamstrup A/S  
 EUT Name: Ultrasonic water meter  
 Model: FlowIQ 2250  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 20°C, Vnom: 3.6 VDC  
 Antenna: Schwarzbeck BBHA 9120D, Vertical  
 Measurement distance: 1 m converted to 3m  
 Mode: TX; Ant. 6699490; 918.5 MHz  
 Test Date: 2017-02-27  
 Note:

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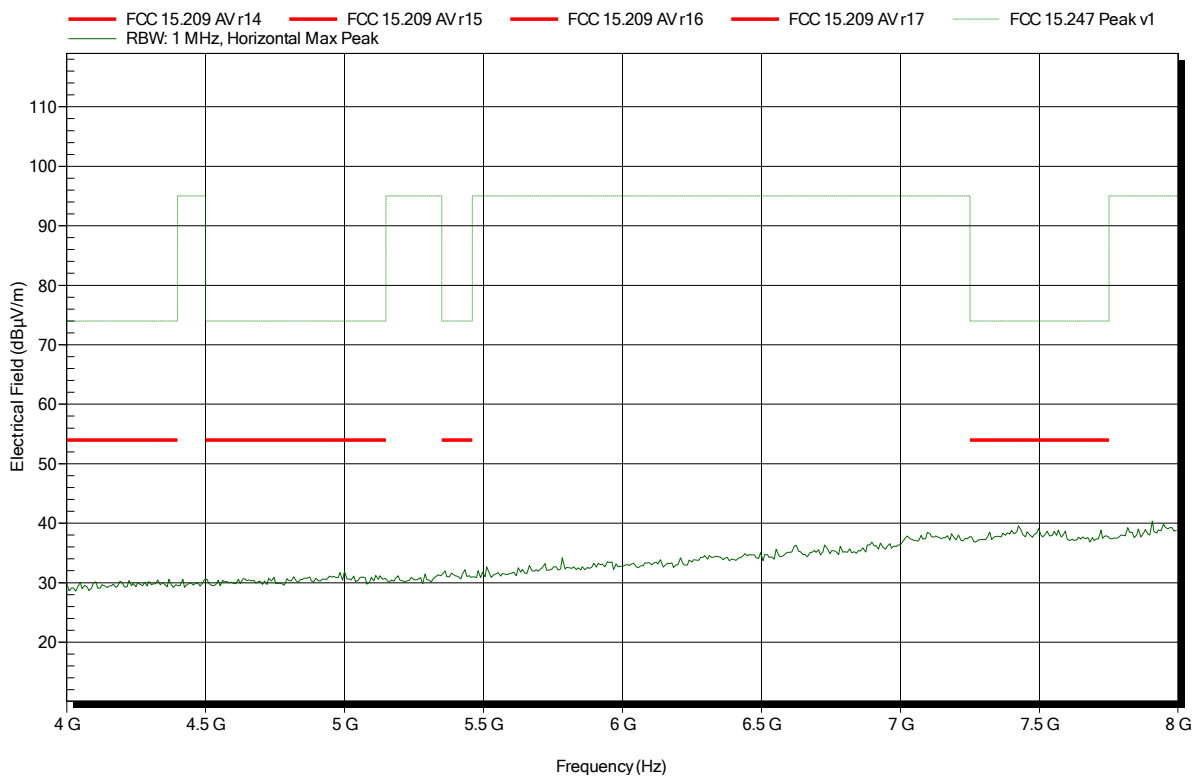
| Frequency | RMS         | RMS Limit | RMS Difference | RMS Status |
|-----------|-------------|-----------|----------------|------------|
| 1.054 GHz | 31.4 dBµV/m | 54 dBµV/m | -22.6 dB       | Pass       |

**Spurious emissions according to FCC 15.247**

Project number: G0M-1612-6135

Applicant: Kamstrup A/S  
 EUT Name: Ultrasonic water meter  
 Model: FlowIQ 2250  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 20°C, Vnom: 3.6 VDC  
 Antenna: Schwarzbeck BBHA 9120D, Horizontal  
 Measurement distance: 1 m converted to 3m  
 Mode: TX; Ant. 6699490; 912.5 MHz  
 Test Date: 2017-02-27  
 Note:

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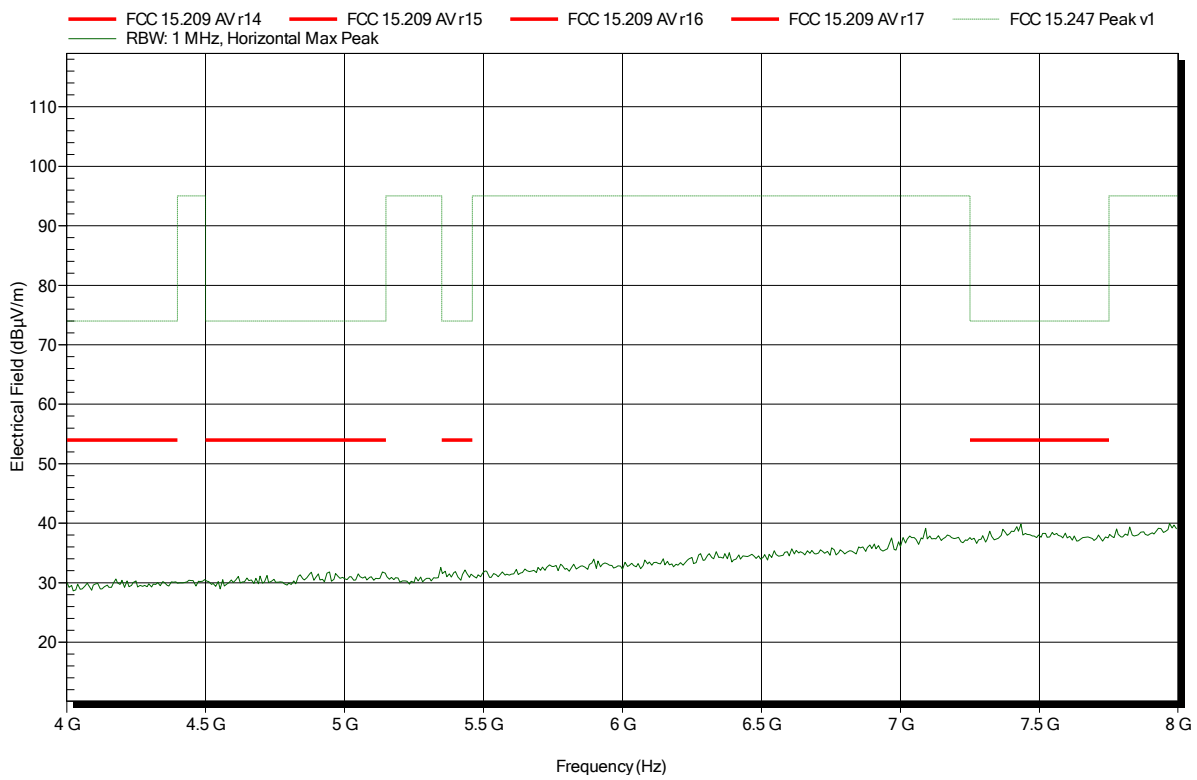


### Spurious emissions according to FCC 15.247

Project number: G0M-1612-6135

Applicant: Kamstrup A/S  
 EUT Name: Ultrasonic water meter  
 Model: FlowIQ 2250  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 20°C, Vnom: 3.6 VDC  
 Antenna: Schwarzbeck BBHA 9120D, Horizontal  
 Measurement distance: 1 m converted to 3m  
 Mode: TX; Ant. 6699490; 918.5 MHz  
 Test Date: 2017-02-27  
 Note:

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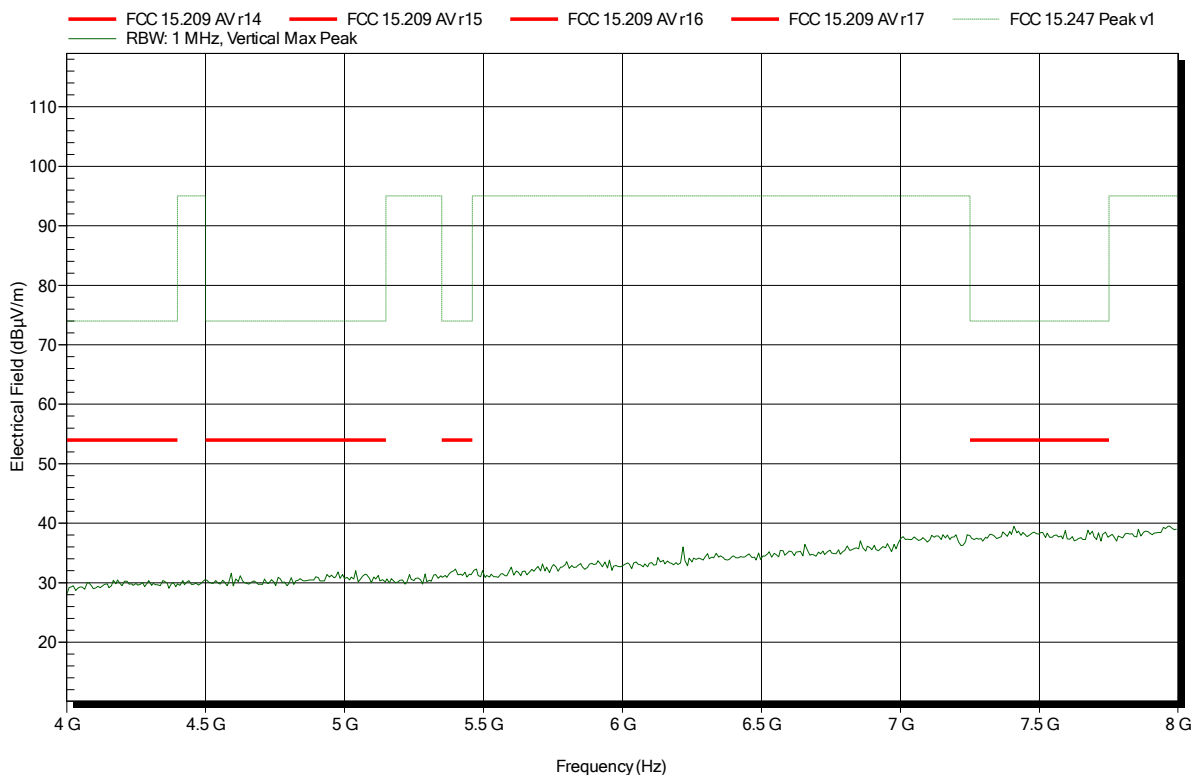


### Spurious emissions according to FCC 15.247

Project number: G0M-1612-6135

Applicant: Kamstrup A/S  
 EUT Name: Ultrasonic water meter  
 Model: FlowIQ 2250  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 20°C, Vnom: 3.6 VDC  
 Antenna: Schwarzbeck BBHA 9120D, Vertical  
 Measurement distance: 1 m converted to 3m  
 Mode: TX; Ant. 6699490; 912.5 MHz  
 Test Date: 2017-02-27  
 Note:

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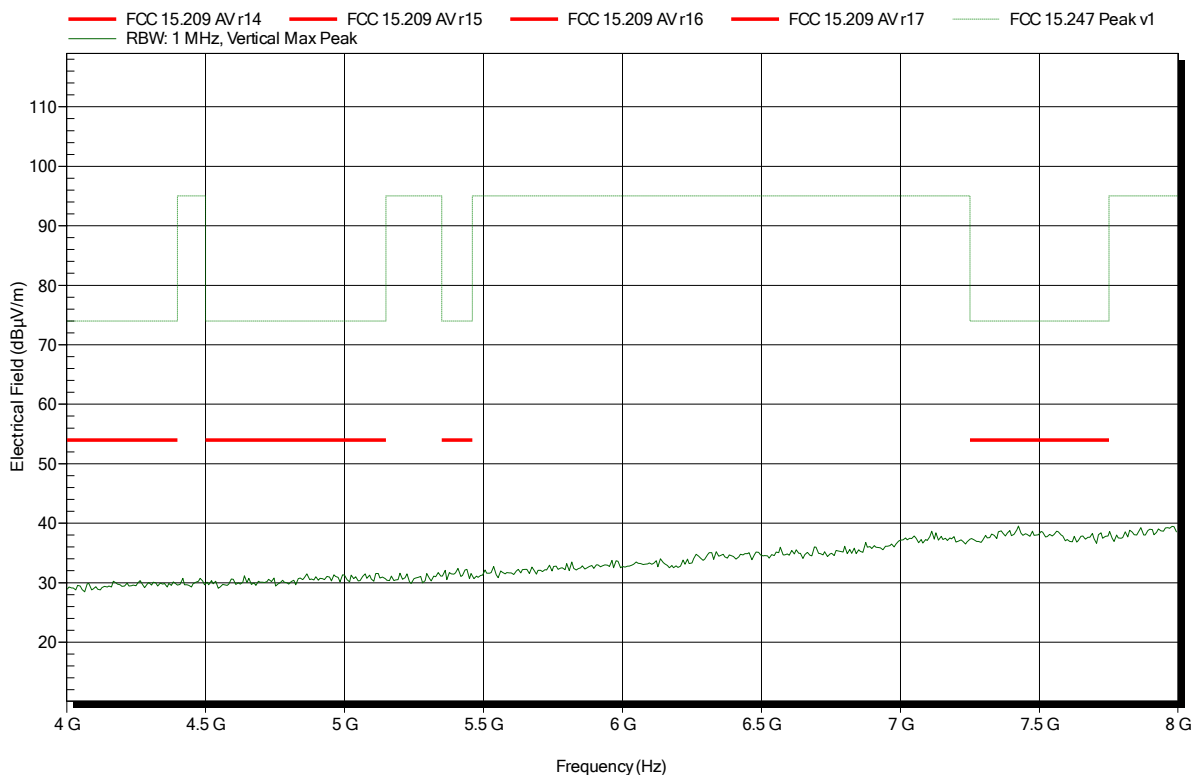


### Spurious emissions according to FCC 15.247

Project number: G0M-1612-6135

Applicant: Kamstrup A/S  
 EUT Name: Ultrasonic water meter  
 Model: FlowIQ 2250  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 20°C, Vnom: 3.6 VDC  
 Antenna: Schwarzbeck BBHA 9120D, Vertical  
 Measurement distance: 1 m converted to 3m  
 Mode: TX; Ant. 6699490; 918.5 MHz  
 Test Date: 2017-02-27  
 Note:

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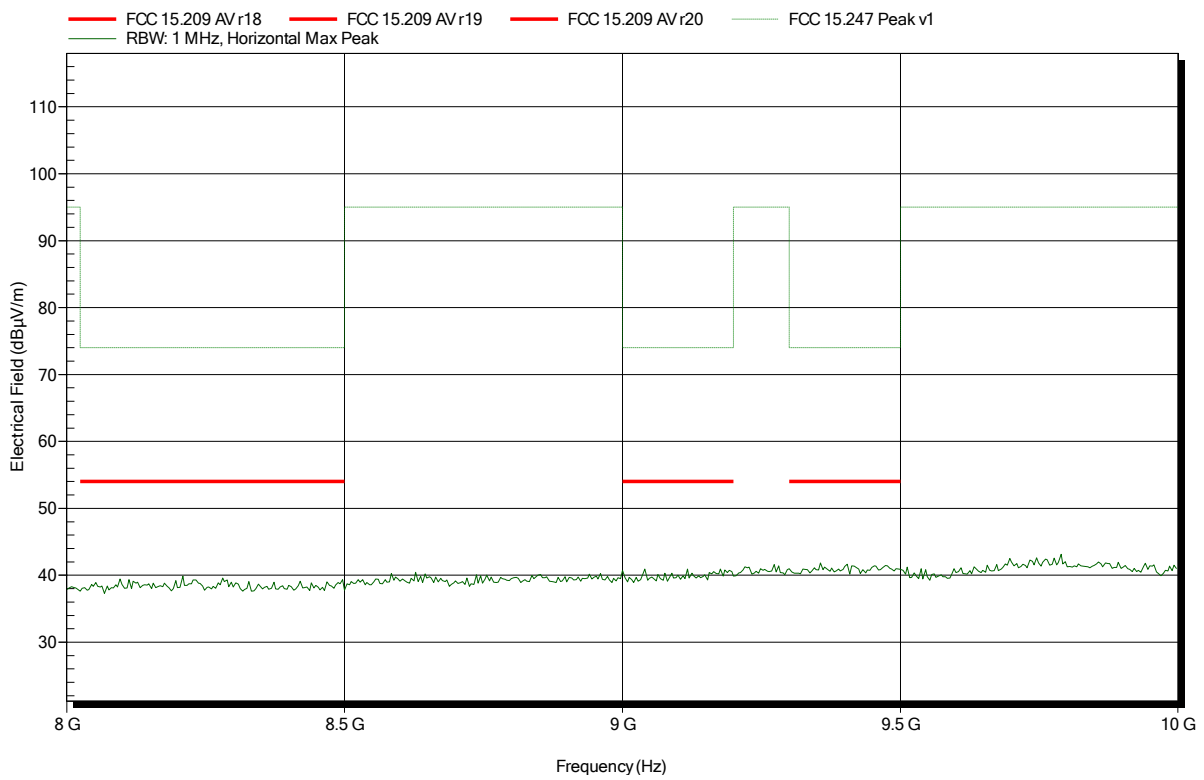


**Spurious emissions according to FCC 15.247**

Project number: G0M-1612-6135

Applicant: Kamstrup A/S  
 EUT Name: Ultrasonic water meter  
 Model: FlowIQ 2250  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 20°C, Vnom: 3.6 VDC  
 Antenna: Schwarzbeck BBHA 9120D, Horizontal  
 Measurement distance: 1 m converted to 3m  
 Mode: TX; Ant. 6699490; 912.5 MHz  
 Test Date: 2017-02-27  
 Note:

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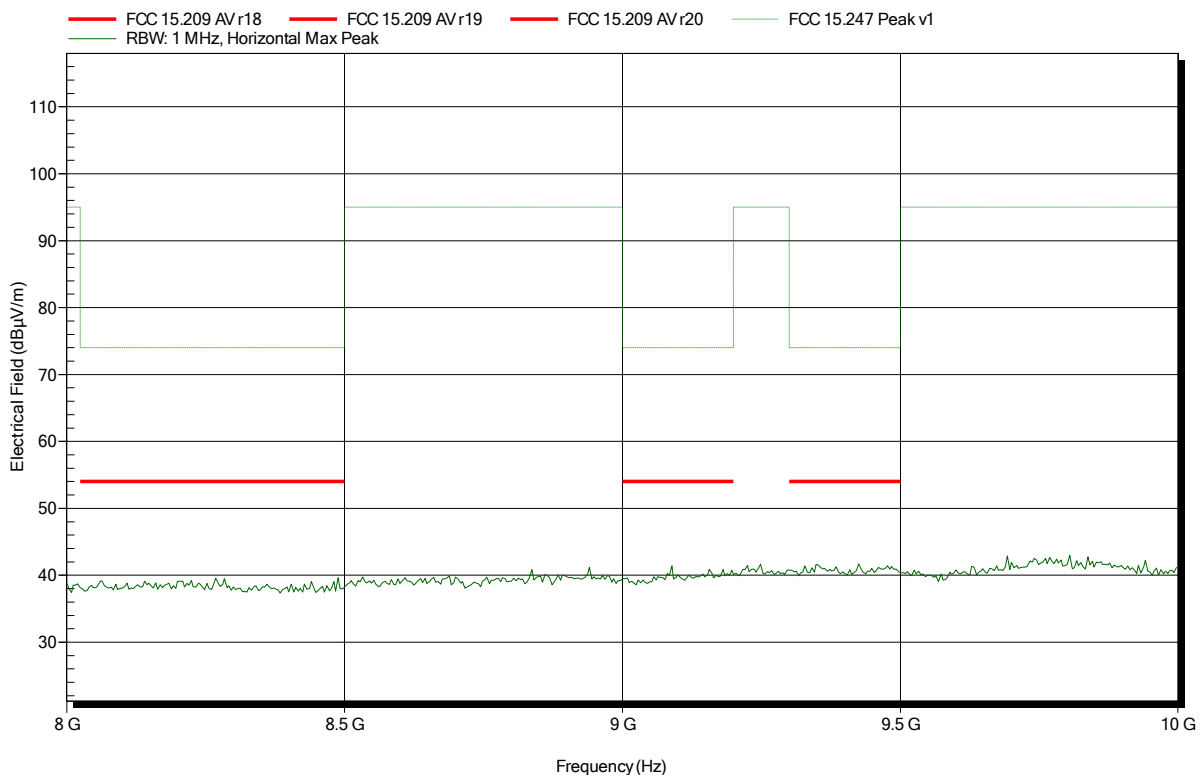


### Spurious emissions according to FCC 15.247

Project number: G0M-1612-6135

Applicant: Kamstrup A/S  
 EUT Name: Ultrasonic water meter  
 Model: FlowIQ 2250  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 20°C, Vnom: 3.6 VDC  
 Antenna: Schwarzbeck BBHA 9120D, Horizontal  
 Measurement distance: 1 m converted to 3m  
 Mode: TX; Ant. 6699490; 918.5 MHz  
 Test Date: 2017-02-27  
 Note:

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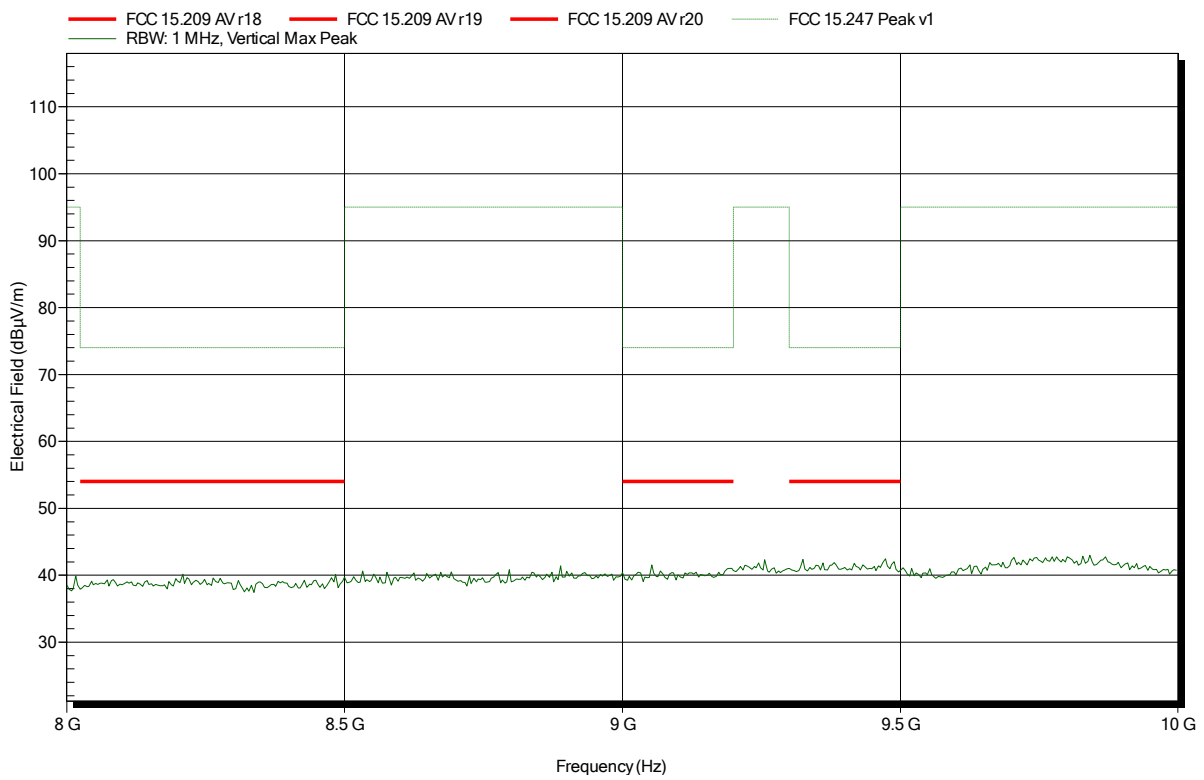


**Spurious emissions according to FCC 15.247**

Project number: G0M-1612-6135

Applicant: Kamstrup A/S  
 EUT Name: Ultrasonic water meter  
 Model: FlowIQ 2250  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 20°C, Vnom: 3.6 VDC  
 Antenna: Schwarzbeck BBHA 9120D, Vertical  
 Measurement distance: 1 m converted to 3m  
 Mode: TX; Ant. 6699490; 912.5 MHz  
 Test Date: 2017-02-27  
 Note:

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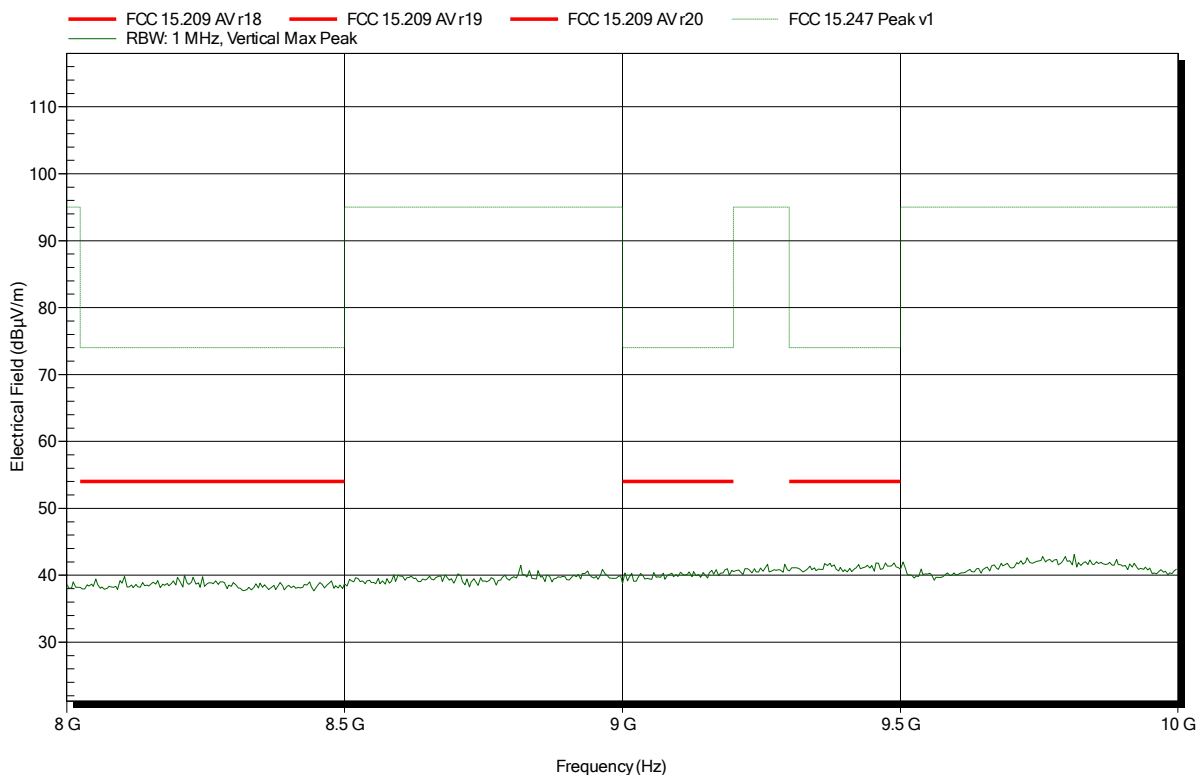


**Spurious emissions according to FCC 15.247**

Project number: G0M-1612-6135

Applicant: Kamstrup A/S  
 EUT Name: Ultrasonic water meter  
 Model: FlowIQ 2250  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 20°C, Vnom: 3.6 VDC  
 Antenna: Schwarzbeck BBHA 9120D, Vertical  
 Measurement distance: 1 m converted to 3m  
 Mode: TX; Ant. 6699490; 918.5 MHz  
 Test Date: 2017-02-27  
 Note:

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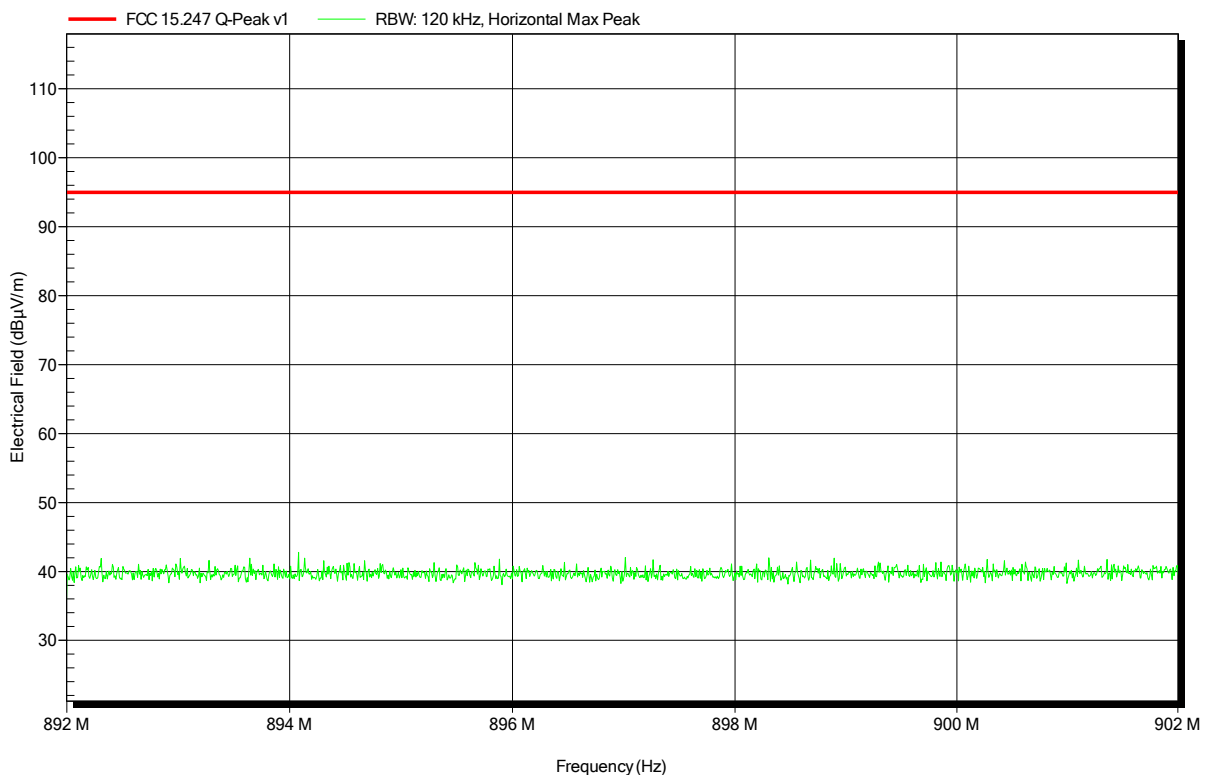


### Spurious emissions according to FCC 15.247

Project number: G0M-1612-6135

Applicant: Kamstrup A/S  
 EUT Name: Ultrasonic water meter  
 Model: FlowIQ 2250  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 20°C, Vnom: 3.6 VDC  
 Antenna: Rohde & Schwarz HL 223, Horizontal  
 Measurement distance: 3 m  
 Mode: TX; Ant. 6699490; 912.5 MHz  
 Test Date: 2017-03-01  
 Note:

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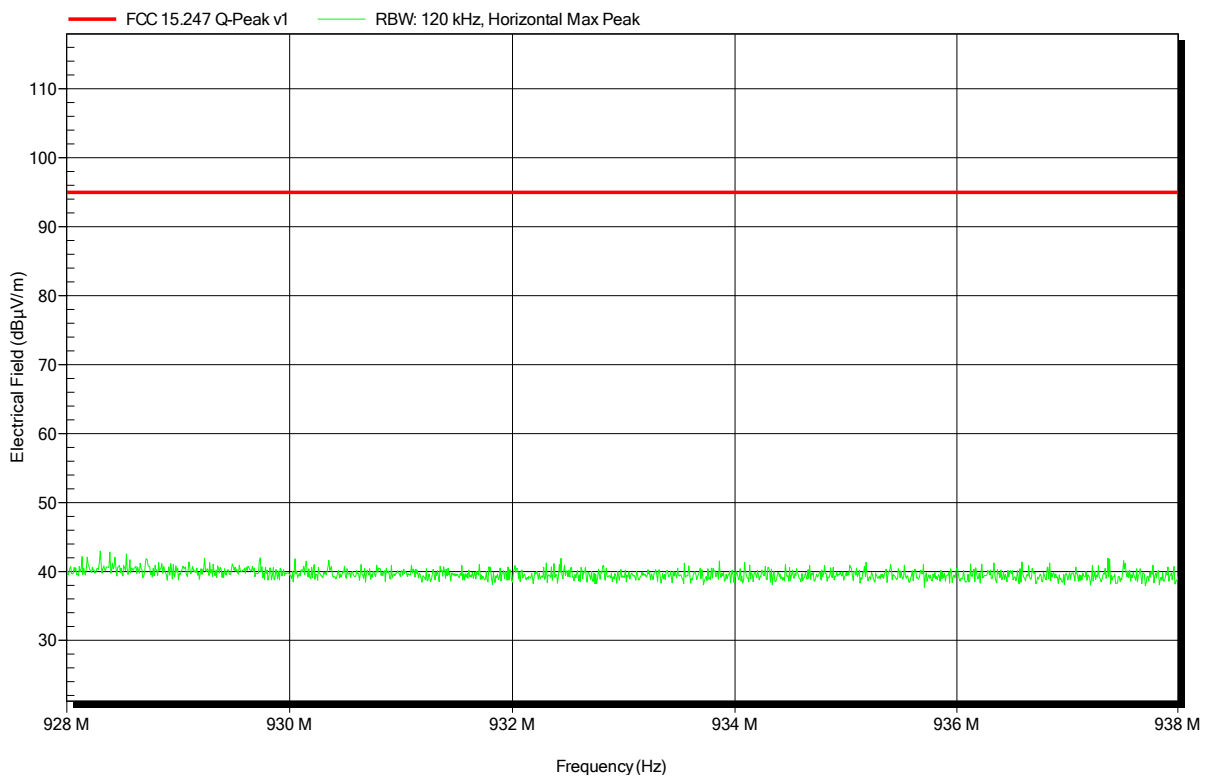


### Spurious emissions according to FCC 15.247

Project number: G0M-1612-6135

Applicant: Kamstrup A/S  
 EUT Name: Ultrasonic water meter  
 Model: FlowIQ 2250  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 20°C, Vnom: 3.6 VDC  
 Antenna: Rohde & Schwarz HL 223, Horizontal  
 Measurement distance: 3 m  
 Mode: TX; Ant. 6699490; 918.5 MHz  
 Test Date: 2017-03-01  
 Note:

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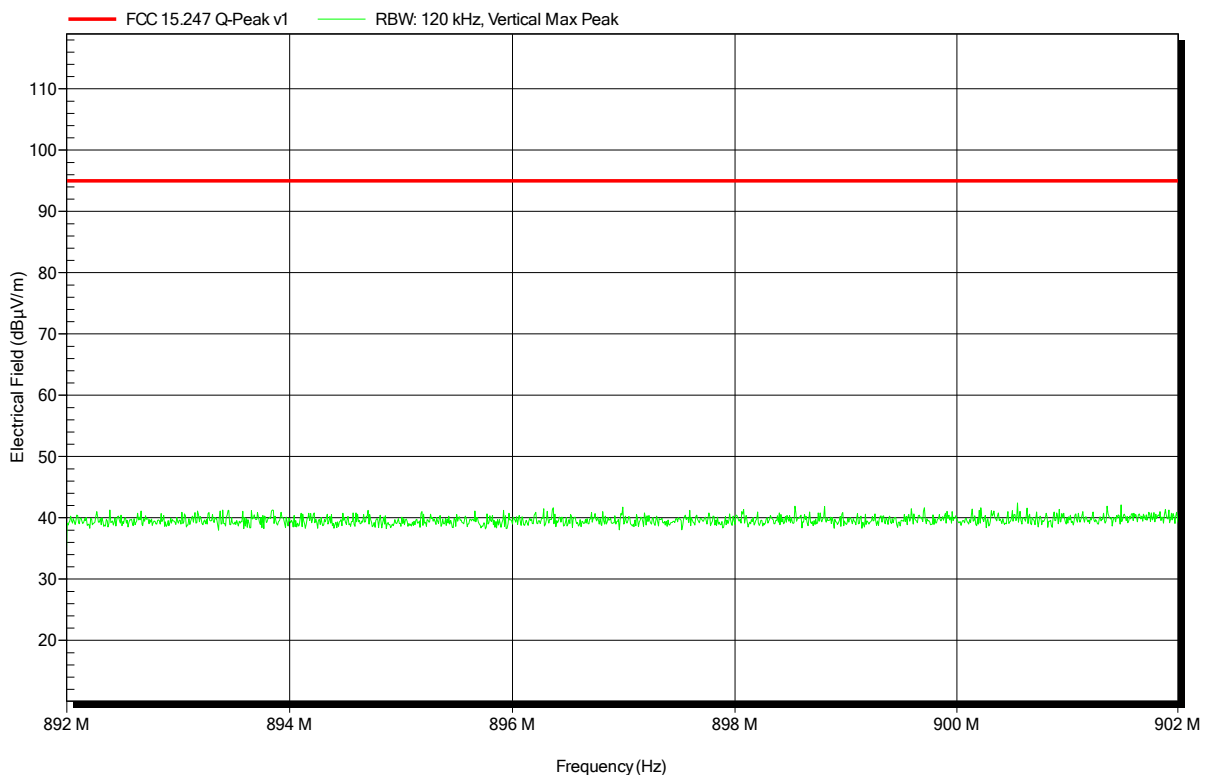


### Spurious emissions according to FCC 15.247

Project number: G0M-1612-6135

Applicant: Kamstrup A/S  
 EUT Name: Ultrasonic water meter  
 Model: FlowIQ 2250  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 20°C, Vnom: 3.6 VDC  
 Antenna: Rohde & Schwarz HL 223, Vertical  
 Measurement distance: 3 m  
 Mode: TX; Ant. 6699490; 912.5 MHz  
 Test Date: 2017-03-01  
 Note:

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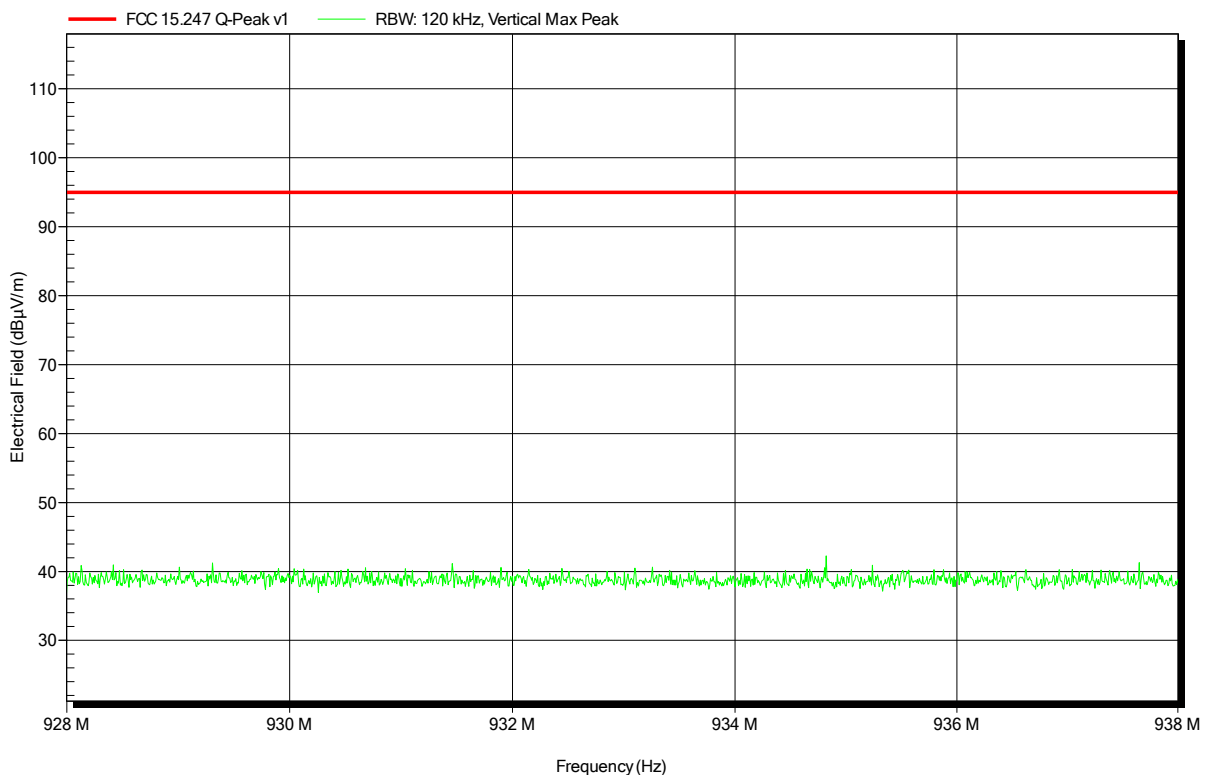


### Spurious emissions according to FCC 15.247

Project number: G0M-1612-6135

Applicant: Kamstrup A/S  
 EUT Name: Ultrasonic water meter  
 Model: FlowIQ 2250  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 20°C, Vnom: 3.6 VDC  
 Antenna: Rohde & Schwarz HL 223, Vertical  
 Measurement distance: 3 m  
 Mode: TX; Ant. 6699490; 918.5 MHz  
 Test Date: 2017-03-01  
 Note:

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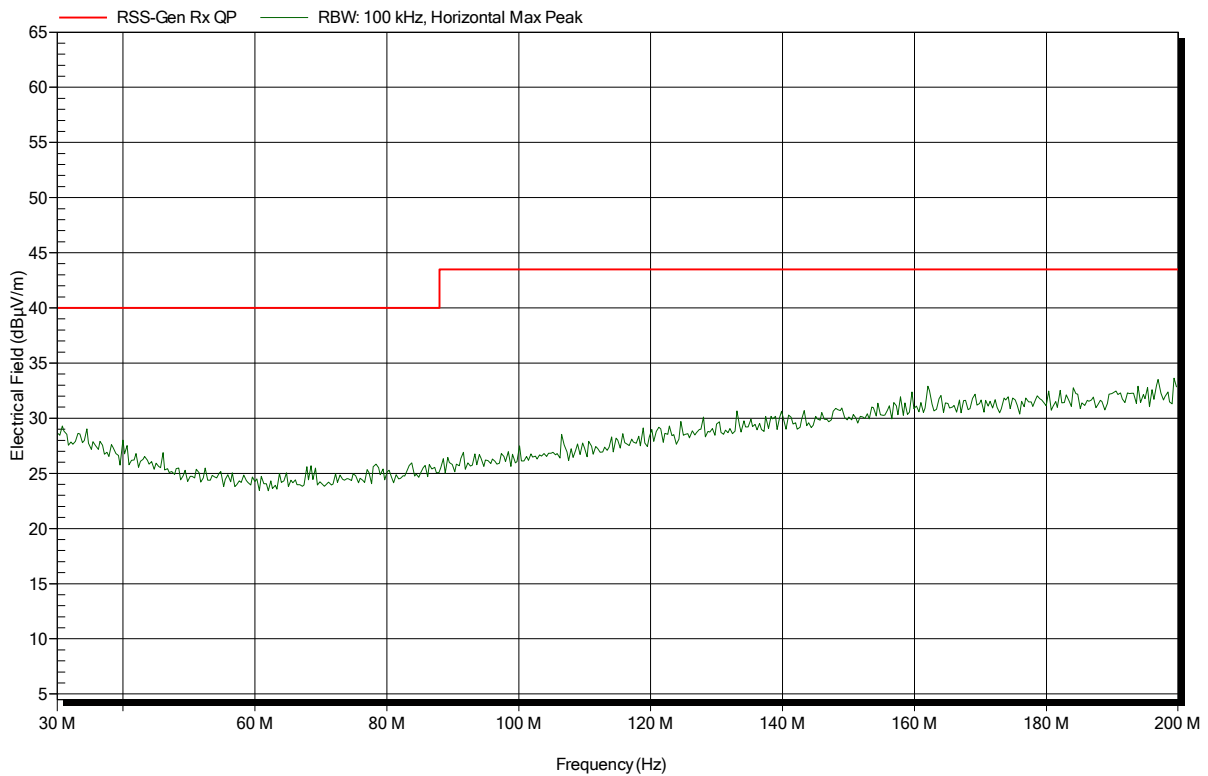
## ANNEX B Receiver spurious emissions

### Spurious emissions according to RSS-247 Issue 1

Project number: G0M-1612-6135

Applicant: Kamstrup A/S  
 EUT Name: Ultrasonic water meter  
 Model: FlowIQ 2250  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 20°C, Vnom: 3.6 VDC  
 Antenna: Rohde & Schwarz HK 116, Horizontal  
 Measurement distance: 3 m  
 Mode: RX; Rx; Ant. 1653094; 915 MHz  
 Test Date: 2017-02-28  
 Note:

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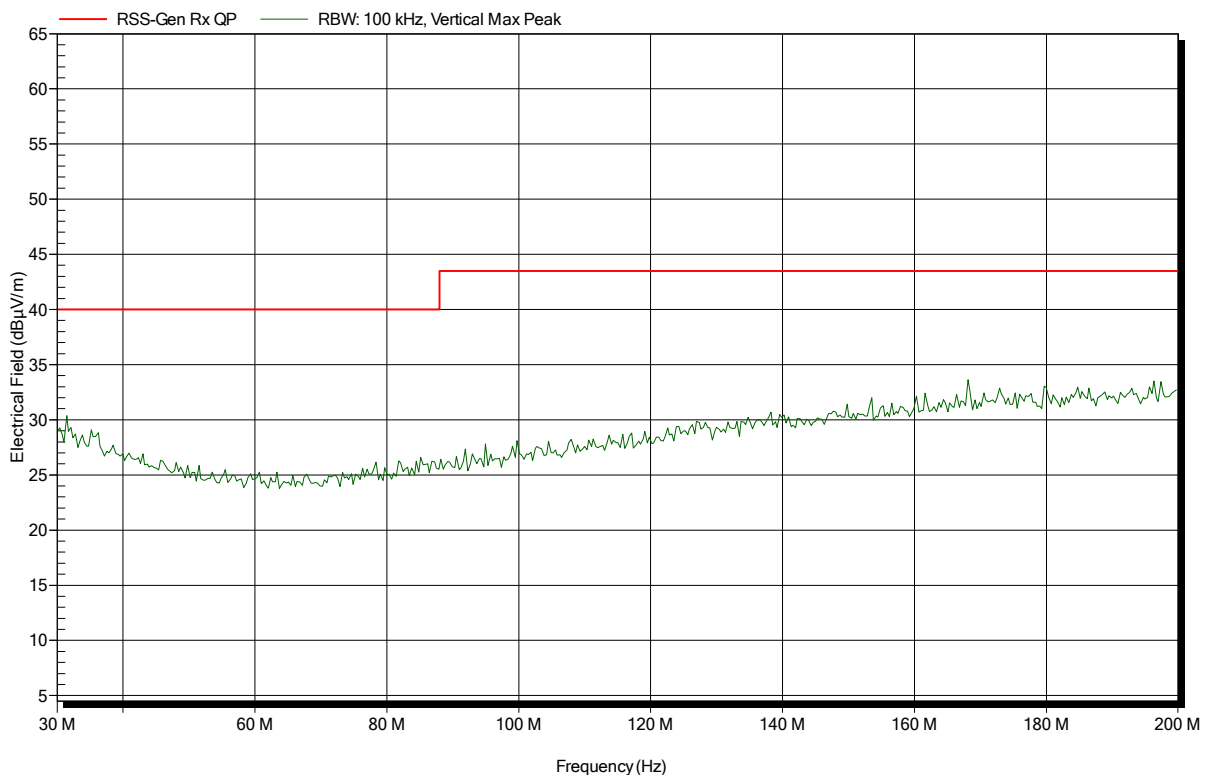


### Spurious emissions according to RSS-247 Issue 1

Project number: G0M-1612-6135

Applicant: Kamstrup A/S  
 EUT Name: Ultrasonic water meter  
 Model: FlowIQ 2250  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 20°C, Vnom: 3.6 VDC  
 Antenna: Rohde & Schwarz HK 116, Vertical  
 Measurement distance: 3 m  
 Mode: RX; Rx; Ant. 1653094; 915 MHz  
 Test Date: 2017-02-28  
 Note:

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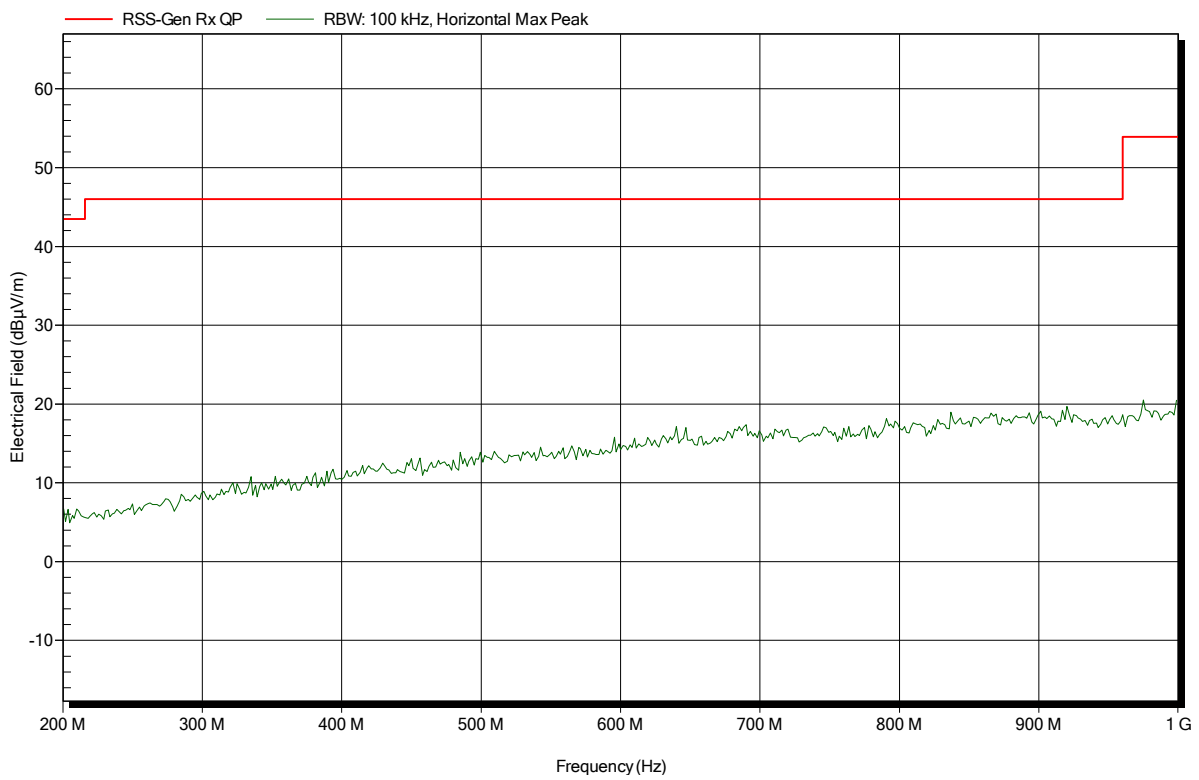


### Spurious emissions according to RSS-247 Issue 1

Project number: G0M-1612-6135

Applicant: Kamstrup A/S  
 EUT Name: Ultrasonic water meter  
 Model: FlowIQ 2250  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 20°C, Vnom: 3.6 VDC  
 Antenna: Rohde & Schwarz HL 223, Horizontal  
 Measurement distance: 3 m  
 Mode: RX; Rx; Ant. 1653094; 915 MHz  
 Test Date: 2017-02-28  
 Note:

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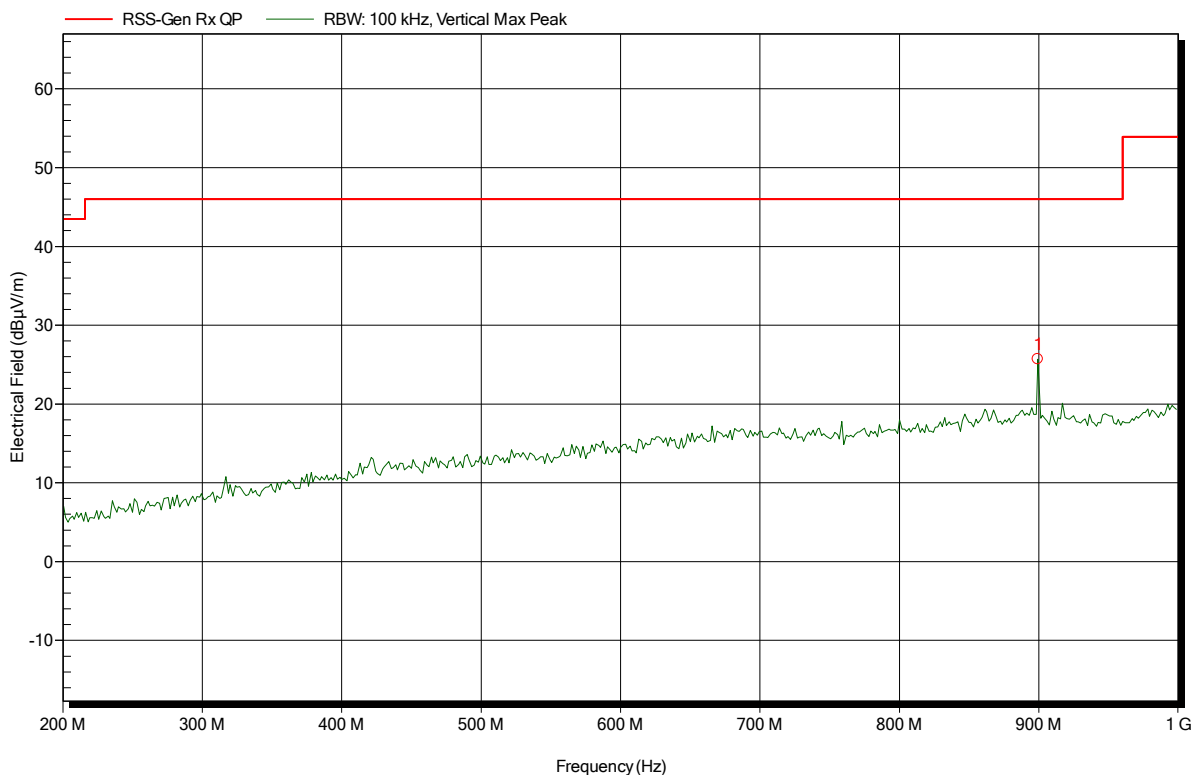


### Spurious emissions according to RSS-247 Issue 1

Project number: G0M-1612-6135

Applicant: Kamstrup A/S  
 EUT Name: Ultrasonic water meter  
 Model: FlowIQ 2250  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 20°C, Vnom: 3.6 VDC  
 Antenna: Rohde & Schwarz HL 223, Vertical  
 Measurement distance: 3 m  
 Mode: RX; Rx; Ant. 1653094; 915 MHz  
 Test Date: 2017-02-28  
 Note:

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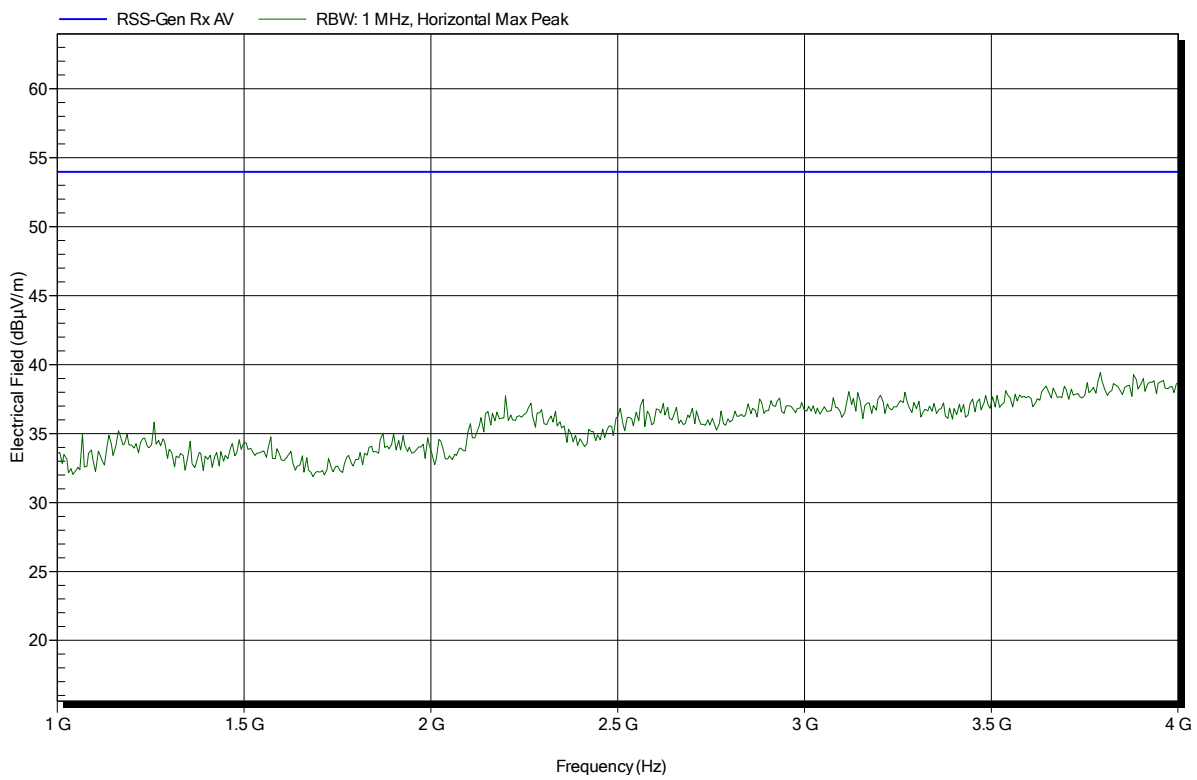
| Frequency | Peak         | Peak Limit | Peak Difference | Status |
|-----------|--------------|------------|-----------------|--------|
| 899.2 MHz | 25.71 dBµV/m | 46 dBµV/m  | -20.29 dB       | Pass   |

### Spurious emissions according to RSS-247 Issue 1

Project number: G0M-1612-6135

Applicant: Kamstrup A/S  
 EUT Name: Ultrasonic water meter  
 Model: FlowIQ 2250  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 20°C, Vnom: 3.6 VDC  
 Antenna: Schwarzbeck BBHA 9120D, Horizontal  
 Measurement distance: 3 m  
 Mode: RX; Rx; Ant. 1653094; 915 MHz  
 Test Date: 2017-02-28  
 Note:

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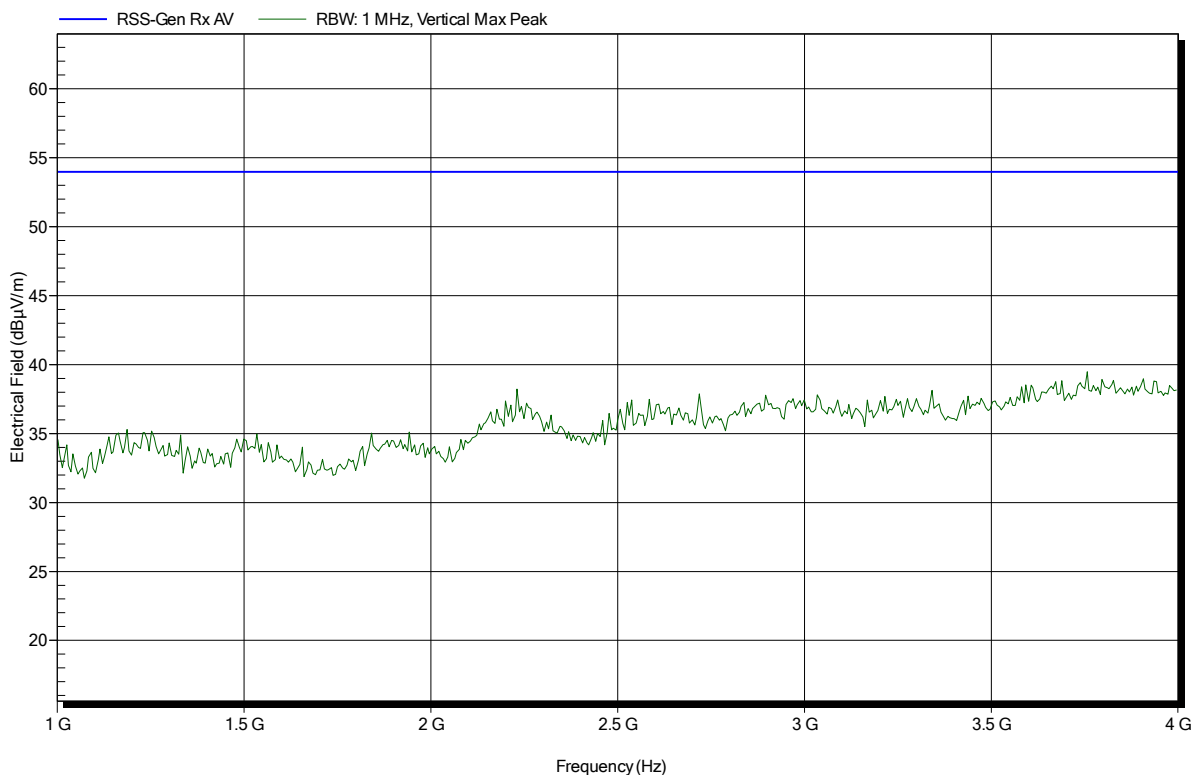


### Spurious emissions according to RSS-247 Issue 1

Project number: G0M-1612-6135

Applicant: Kamstrup A/S  
 EUT Name: Ultrasonic water meter  
 Model: FlowIQ 2250  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 20°C, Vnom: 3.6 VDC  
 Antenna: Schwarzbeck BBHA 9120D, Vertical  
 Measurement distance: 3 m  
 Mode: RX; Rx; Ant. 1653094; 915 MHz  
 Test Date: 2017-02-28  
 Note:

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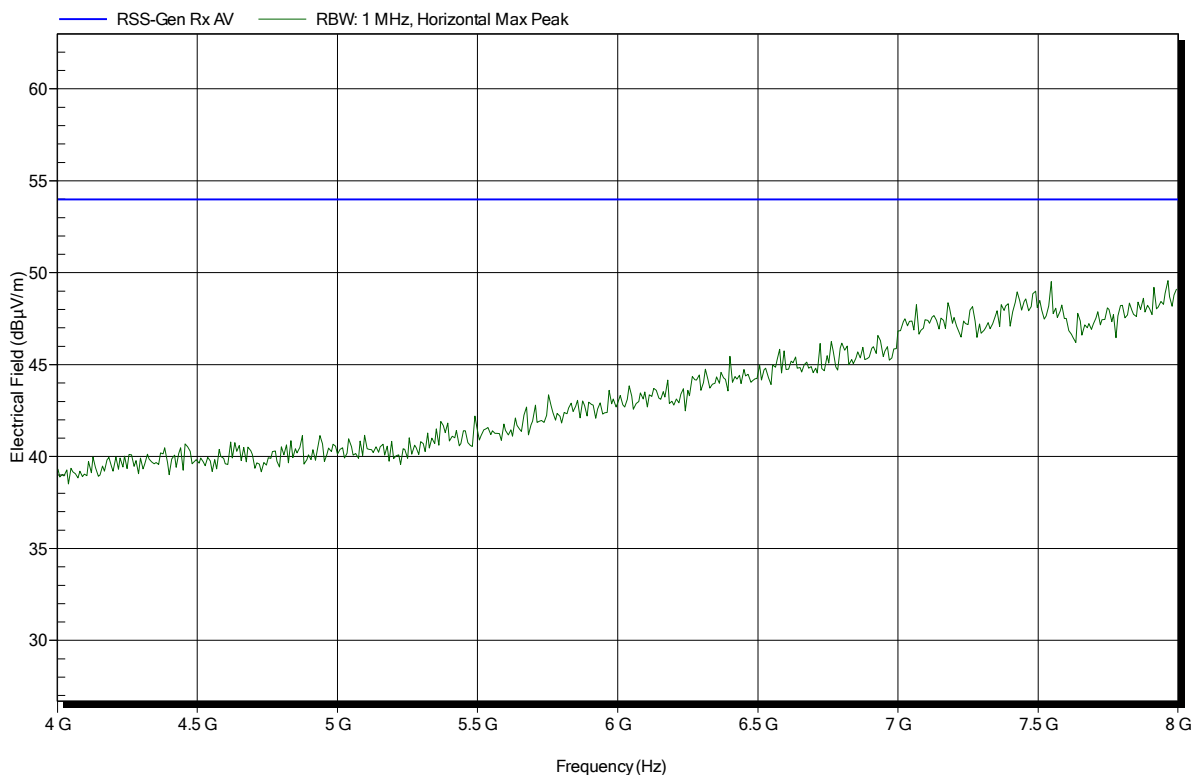


### Spurious emissions according to RSS-247 Issue 1

Project number: G0M-1612-6135

Applicant: Kamstrup A/S  
 EUT Name: Ultrasonic water meter  
 Model: FlowIQ 2250  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 20°C, Vnom: 3.6 VDC  
 Antenna: Schwarzbeck BBHA 9120D, Horizontal  
 Measurement distance: 3 m  
 Mode: RX; Rx; Ant. 1653094; 915 MHz  
 Test Date: 2017-02-28  
 Note:

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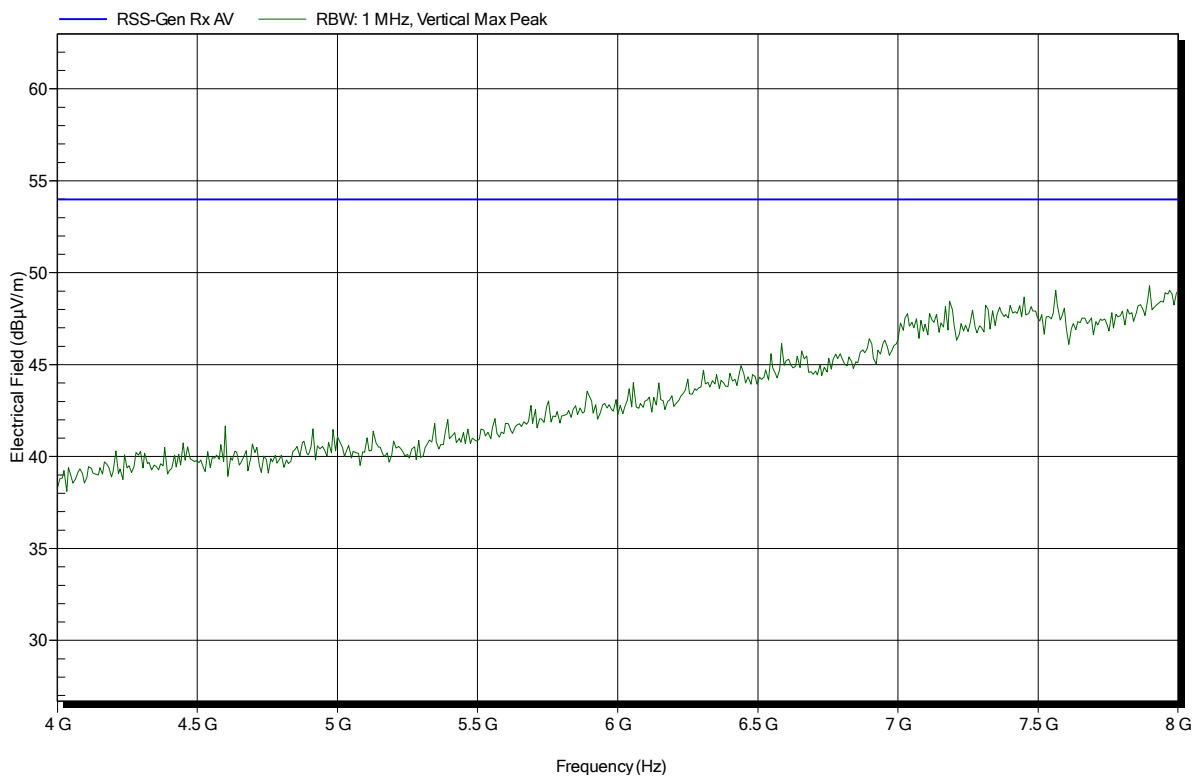


### Spurious emissions according to RSS-247 Issue 1

Project number: G0M-1612-6135

Applicant: Kamstrup A/S  
 EUT Name: Ultrasonic water meter  
 Model: FlowIQ 2250  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 20°C, Vnom: 3.6 VDC  
 Antenna: Schwarzbeck BBHA 9120D, Vertical  
 Measurement distance: 3 m  
 Mode: RX; Rx; Ant. 1653094; 915 MHz  
 Test Date: 2017-02-28  
 Note:

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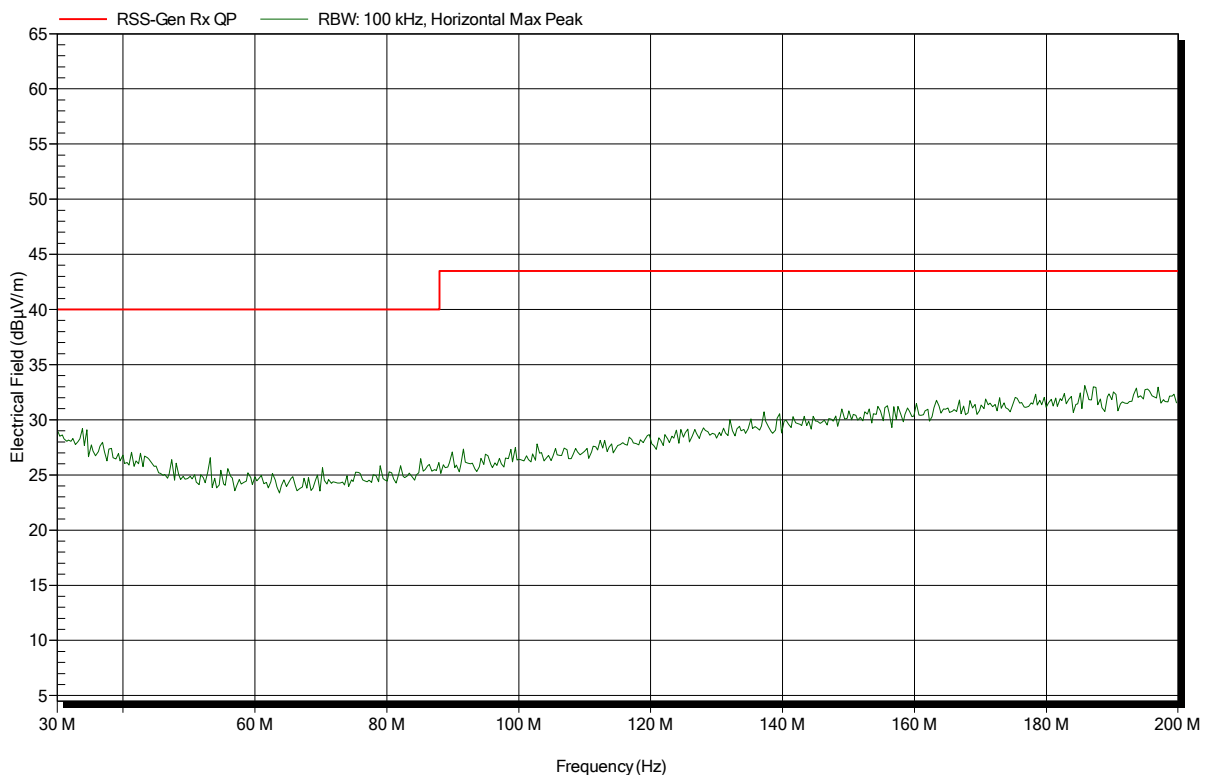


### Spurious emissions according to RSS-247 Issue 1

Project number: G0M-1612-6135

Applicant: Kamstrup A/S  
 EUT Name: Ultrasonic water meter  
 Model: FlowIQ 2250  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 20°C, Vnom: 3.6 VDC  
 Antenna: Rohde & Schwarz HK 116, Horizontal  
 Measurement distance: 3 m  
 Mode: RX; Rx; Ant. 6699490; 915 MHz  
 Test Date: 2017-02-28  
 Note:

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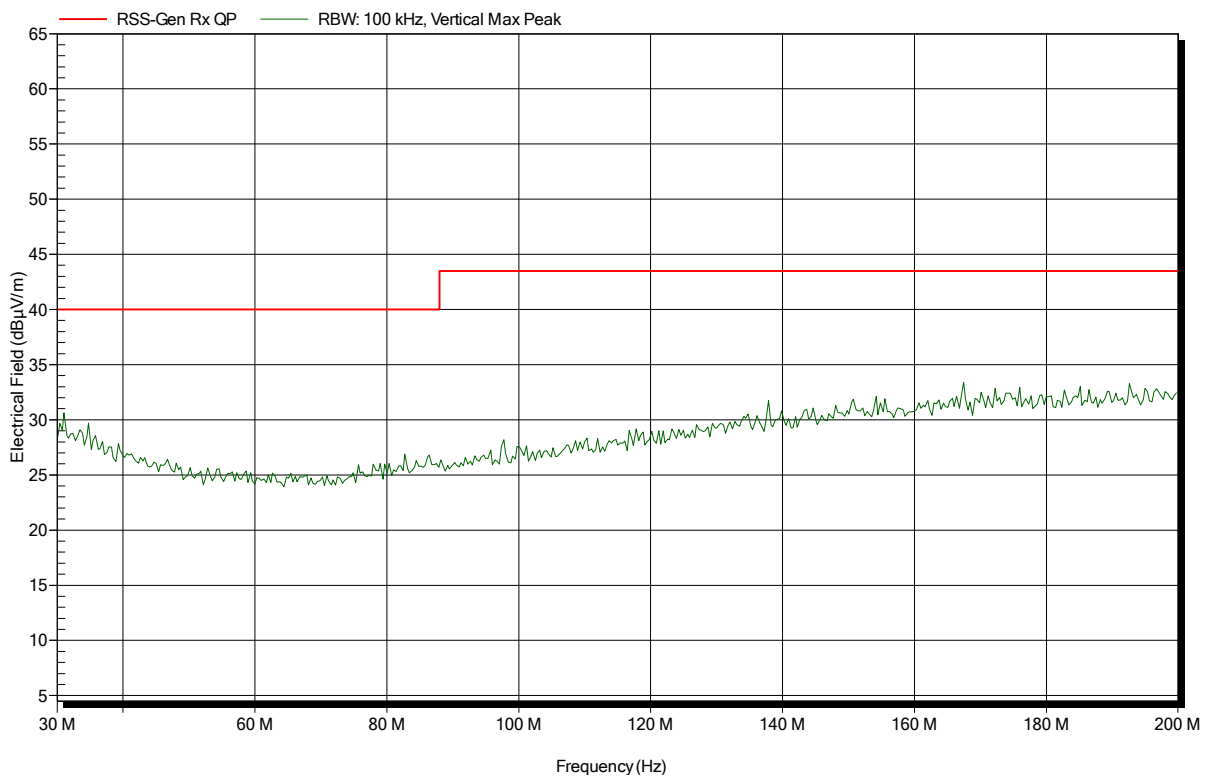


### Spurious emissions according to RSS-247 Issue 1

Project number: G0M-1612-6135

Applicant: Kamstrup A/S  
 EUT Name: Ultrasonic water meter  
 Model: FlowIQ 2250  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 20°C, Vnom: 3.6 VDC  
 Antenna: Rohde & Schwarz HK 116, Vertical  
 Measurement distance: 3 m  
 Mode: RX; Rx; Ant. 6699490; 915 MHz  
 Test Date: 2017-02-28  
 Note:

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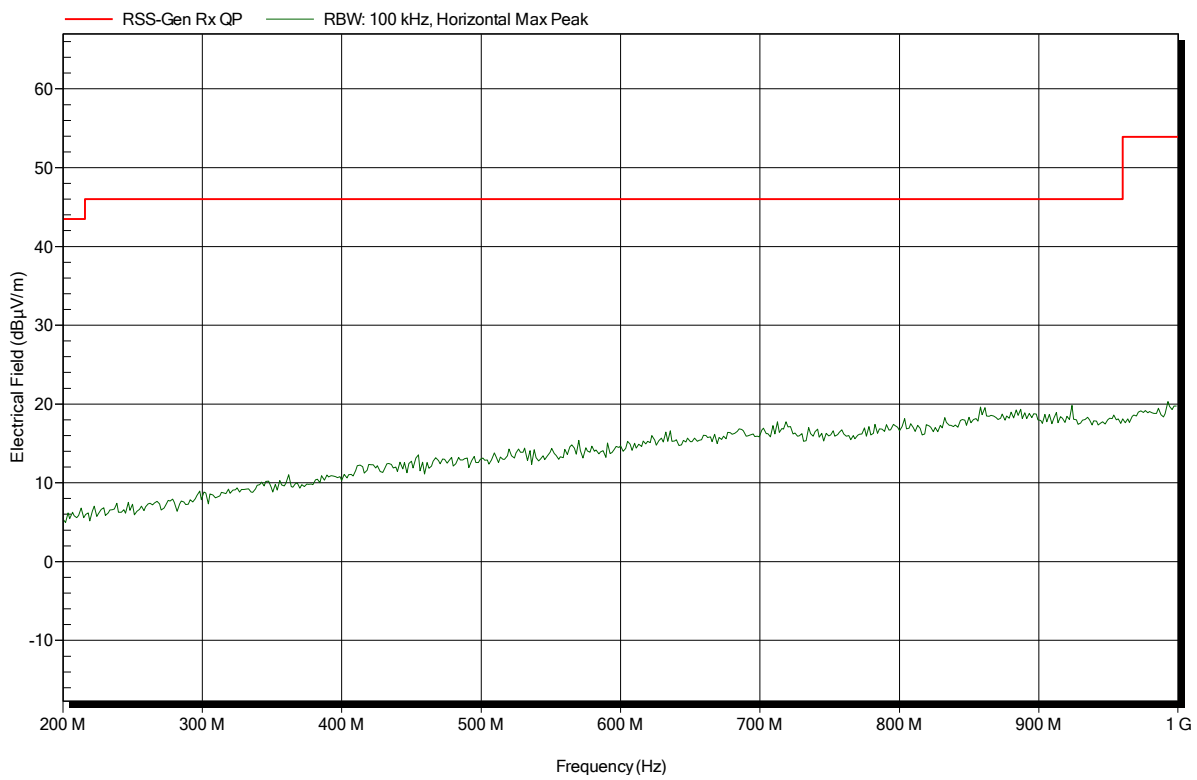


### Spurious emissions according to RSS-247 Issue 1

Project number: G0M-1612-6135

Applicant: Kamstrup A/S  
 EUT Name: Ultrasonic water meter  
 Model: FlowIQ 2250  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 20°C, Vnom: 3.6 VDC  
 Antenna: Rohde & Schwarz HL 223, Horizontal  
 Measurement distance: 3 m  
 Mode: RX; Rx; Ant. 6699490; 915 MHz  
 Test Date: 2017-02-28  
 Note:

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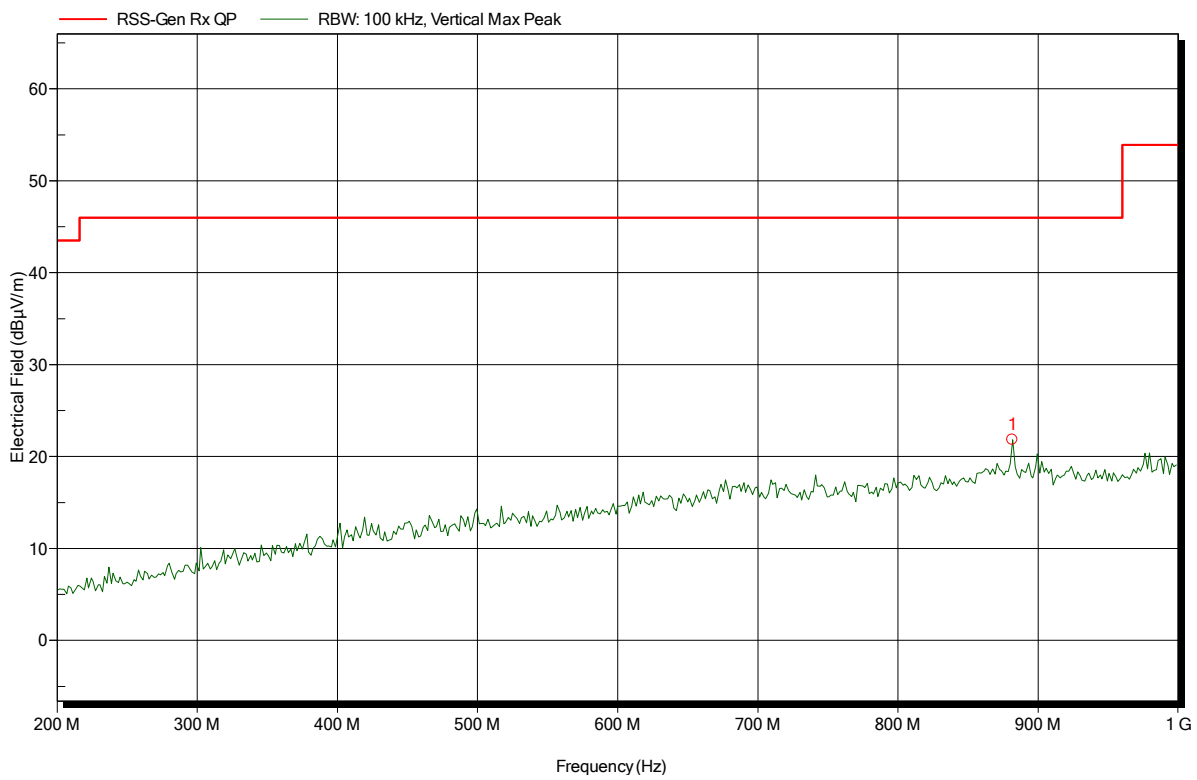


### Spurious emissions according to RSS-247 Issue 1

Project number: G0M-1612-6135

Applicant: Kamstrup A/S  
 EUT Name: Ultrasonic water meter  
 Model: FlowIQ 2250  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 20°C, Vnom: 3.6 VDC  
 Antenna: Rohde & Schwarz HL 223, Vertical  
 Measurement distance: 3 m  
 Mode: RX; Rx; Ant. 6699490; 915 MHz  
 Test Date: 2017-02-28  
 Note:

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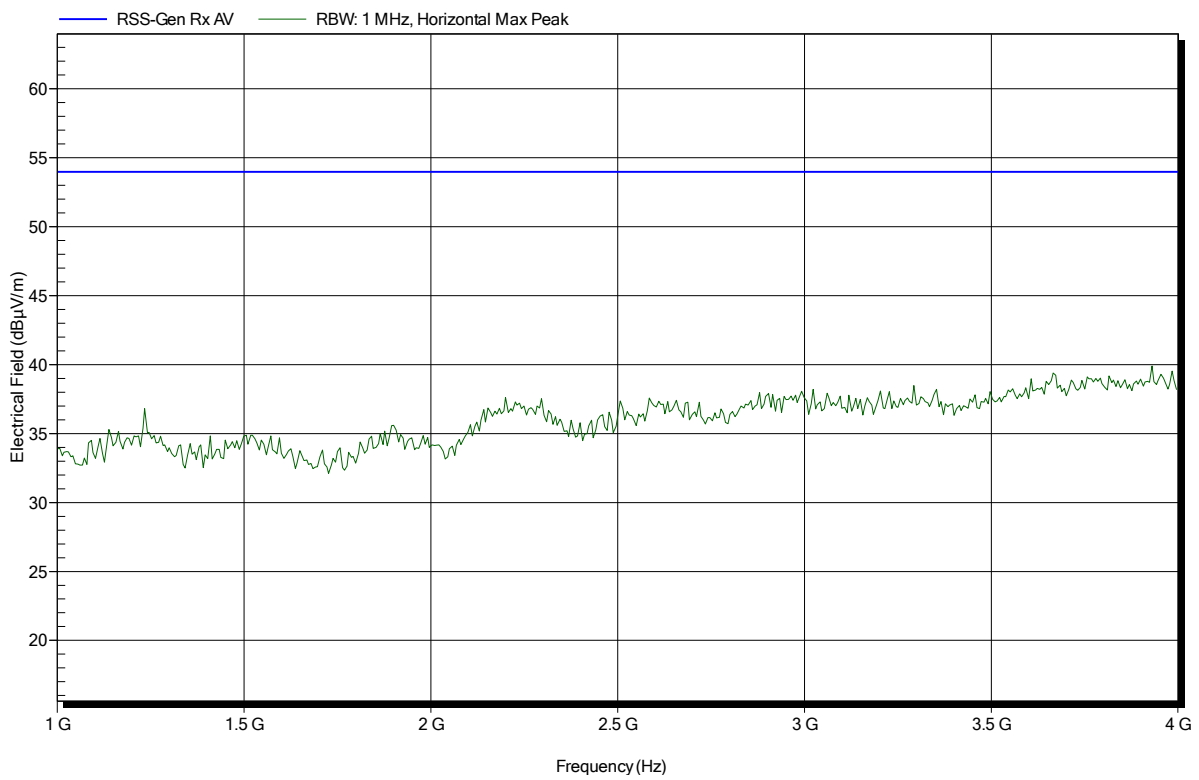
| Frequency | Peak         | Peak Limit | Peak Difference | Status |
|-----------|--------------|------------|-----------------|--------|
| 881.6 MHz | 21.84 dBµV/m | 46 dBµV/m  | -24.16 dB       | Pass   |

### Spurious emissions according to RSS-247 Issue 1

Project number: G0M-1612-6135

Applicant: Kamstrup A/S  
 EUT Name: Ultrasonic water meter  
 Model: FlowIQ 2250  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 20°C, Vnom: 3.6 VDC  
 Antenna: Schwarzbeck BBHA 9120D, Horizontal  
 Measurement distance: 3 m  
 Mode: RX; Rx; Ant. 6699490; 915 MHz  
 Test Date: 2017-02-28  
 Note:

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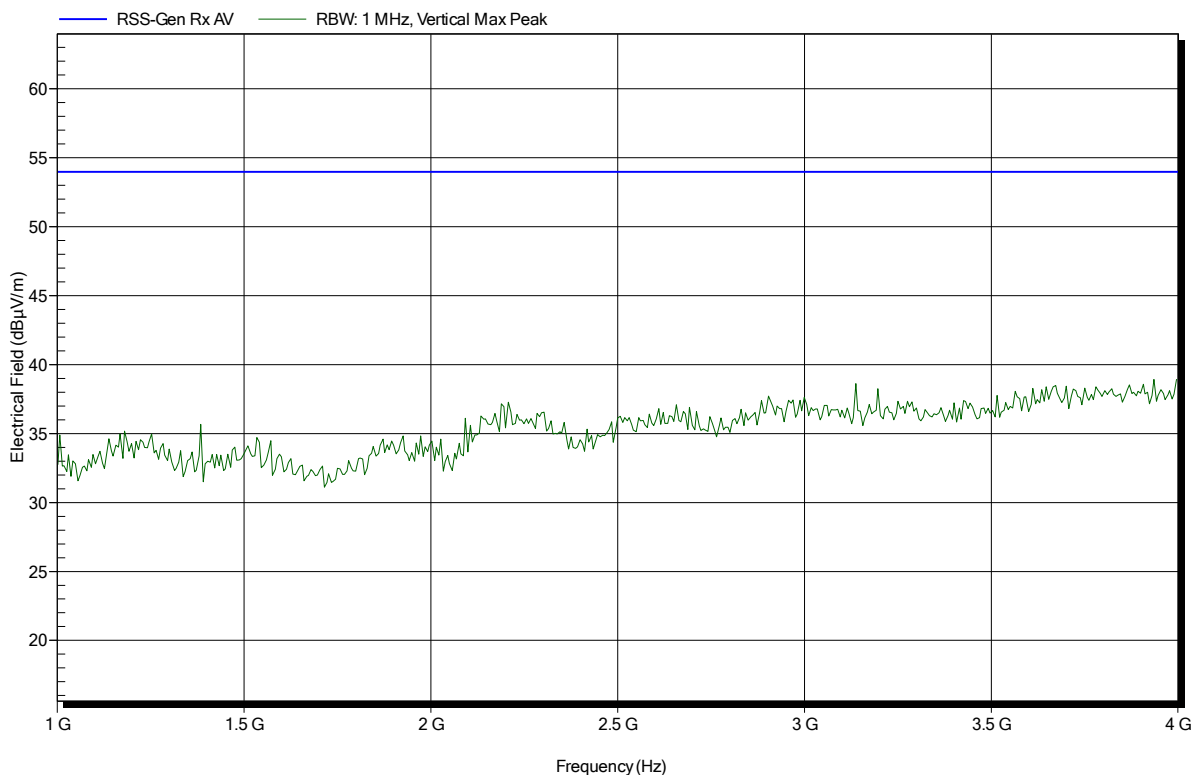


### Spurious emissions according to RSS-247 Issue 1

Project number: G0M-1612-6135

Applicant: Kamstrup A/S  
 EUT Name: Ultrasonic water meter  
 Model: FlowIQ 2250  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 20°C, Vnom: 3.6 VDC  
 Antenna: Schwarzbeck BBHA 9120D, Vertical  
 Measurement distance: 3 m  
 Mode: RX; Rx; Ant. 6699490; 915 MHz  
 Test Date: 2017-02-28  
 Note:

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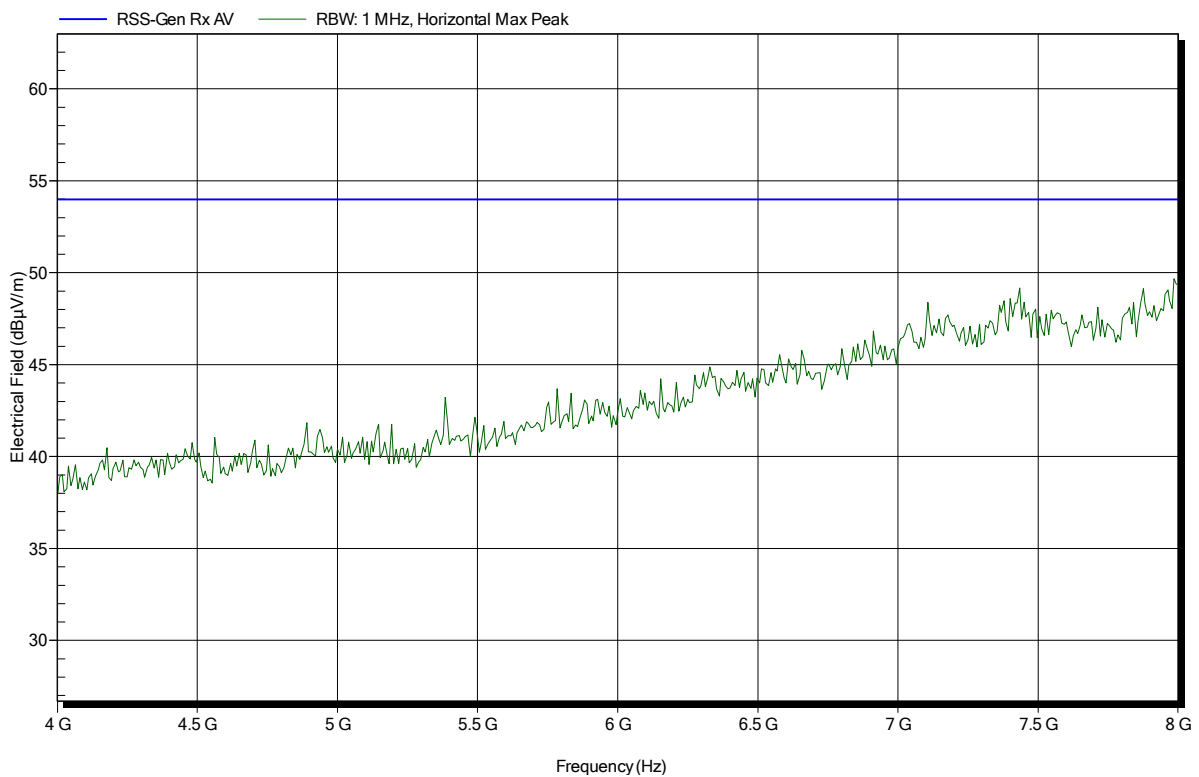


### Spurious emissions according to RSS-247 Issue 1

Project number: G0M-1612-6135

Applicant: Kamstrup A/S  
 EUT Name: Ultrasonic water meter  
 Model: FlowIQ 2250  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 20°C, Vnom: 3.6 VDC  
 Antenna: Schwarzbeck BBHA 9120D, Horizontal  
 Measurement distance: 3 m  
 Mode: RX; Rx; Ant. 6699490; 915 MHz  
 Test Date: 2017-02-28  
 Note:

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### Spurious emissions according to RSS-247 Issue 1

Project number: G0M-1612-6135

Applicant: Kamstrup A/S  
 EUT Name: Ultrasonic water meter  
 Model: FlowIQ 2250  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Jahn  
 Test Conditions: Tnom: 20°C, Vnom: 3.6 VDC  
 Antenna: Schwarzbeck BBHA 9120D, Vertical  
 Measurement distance: 3 m  
 Mode: RX; Rx; Ant. 6699490; 915 MHz  
 Test Date: 2017-02-28  
 Note:

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