

| <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 2400.0 MHz - 2483.5 MHz band</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Report Reference No</b>                                                                                                                                               | G0M-2103-9658-TFC247BL-V01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Testing Laboratory</b>                                                                                                                                                | Eurofins Product Service GmbH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Address</b>                                                                                                                                                           | Storkower Str. 38c<br>15526 Reichenwalde<br>Germany                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Accreditation</b>                                                                                                                                                     |    <br>DAkkS - Registration number : D-PL-12092-01-03 (ISED)<br>ISED Testing Laboratory site: 3470A<br>DAkkS - Registration number : D-PL-12092-01-04 (FCC)<br>FCC Filed Test Laboratory, Reg.-No.: 96970 |
| <b>Applicant</b>                                                                                                                                                         | Philip Morris Products S.A.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Address</b>                                                                                                                                                           | Quai Jeanrenaud 3<br>2000 Neuchâtel<br>Switzerland                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Test Specification</b>                                                                                                                                                | 47 CFR Part 15C<br>RSS-247, Issue 2, 2017-02<br>RSS-Gen, Issue 5, Amendment 1, 2019-03                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Non-Standard Test Method</b>                                                                                                                                          | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Equipment under Test (EUT):</b>                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Product Description</b>                                                                                                                                               | Electronic Vaping System                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Model(s)</b>                                                                                                                                                          | B-1603                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Additional Model(s)</b>                                                                                                                                               | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Brand Name(s)</b>                                                                                                                                                     | IQOS / VEEV                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Hardware Version(s)</b>                                                                                                                                               | B-1603                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Software Version(s)</b>                                                                                                                                               | STF0830                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>FCC ID</b>                                                                                                                                                            | 2AS66B-1603                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>IC</b>                                                                                                                                                                | 22416-B1603                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Test Result</b>                                                                                                                                                       | <b>PASSED</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |               |                                                                                       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|---------------------------------------------------------------------------------------|
| <b>Possible test case verdicts:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                            |               |                                                                                       |
| Required by standard but not tested                                                                                                                                                                                                                                                                                                                                                                                                                                            | N/T           |                                                                                       |
| Not required by standard                                                                                                                                                                                                                                                                                                                                                                                                                                                       | N/R           |                                                                                       |
| Not applicable to EUT                                                                                                                                                                                                                                                                                                                                                                                                                                                          | N/A           |                                                                                       |
| Test object does meet the requirement                                                                                                                                                                                                                                                                                                                                                                                                                                          | P(PASS)       |                                                                                       |
| Test object does not meet the requirement                                                                                                                                                                                                                                                                                                                                                                                                                                      | F(FAIL)       |                                                                                       |
| <b>Testing:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                |               |                                                                                       |
| Test Lab Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 20 °C - 30 °C |                                                                                       |
| Test Lab Humidity                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 25 % - 55 %   |                                                                                       |
| Date of receipt of test item                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 2021-03-17    |                                                                                       |
| <b>Report:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |               |                                                                                       |
| Compiled by                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Florian Voigt |                                                                                       |
| Tested by (+ signature)<br>(Responsible for Test)                                                                                                                                                                                                                                                                                                                                                                                                                              | Florian Voigt |   |
| Approved by (+ signature)<br>(Deputy Head of Lab)                                                                                                                                                                                                                                                                                                                                                                                                                              | Toralf Jahn   |  |
| Date of Issue                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 2021-08-16    |                                                                                       |
| Total number of pages                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 131           |                                                                                       |
| <b>General Remarks:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                        |               |                                                                                       |
| <p>The test results presented in this report relate only to the object tested.</p> <p>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.</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>                                                                                                                                                                                                                                                                                                                                                                                                                                                    |               |                                                                                       |
| <p>The model B-1603 (Malaysia Production) is only partially tested. Only test cases "Transmitter radiated emissions", "Receiver radiated emissions" and "AC powerline conducted emissions" are conducted on model B-1603 (Malaysia Production).</p>                                                                                                                                                                                                                            |               |                                                                                       |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               |       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-------|
| <b>Possible test case verdicts:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                          |               |       |
| Required by standard but not tested                                                                                                                                                                                                                                                                                                                                                                                                                                                          | N/T           |       |
| Not required by standard                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | N/R           |       |
| Not applicable to EUT                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | N/A           |       |
| Test object does meet the requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                        | P(PASS)       |       |
| Test object does not meet the requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                    | F(FAIL)       |       |
| <b>Testing:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               |       |
| Test Lab Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 20 °C - 30 °C |       |
| Test Lab Humidity                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 25 % - 55 %   |       |
| Date of receipt of test item                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 2021-03-17    |       |
| <b>Report:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |               |       |
| Compiled by                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Florian Voigt |       |
| Tested by (+ signature)<br>(Responsible for Test)                                                                                                                                                                                                                                                                                                                                                                                                                                            | Florian Voigt | ..... |
| Approved by (+ signature)<br>(Deputy Head of Lab)                                                                                                                                                                                                                                                                                                                                                                                                                                            | Toralf Jahn   | ..... |
| Date of Issue                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 2021-12-20    |       |
| Total number of pages                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 131           |       |
| <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>                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |               |       |
| <p>The model B-1603 (Malaysia Production) is only partially tested. Only test cases "Transmitter radiated emissions", "Receiver radiated emissions" and "AC powerline conducted emissions" are conducted on model B-1603 (Malaysia Production).</p>                                                                                                                                                                                                                                          |               |       |

## VERSION HISTORY

| Version History |            |                 |            |
|-----------------|------------|-----------------|------------|
| Version         | Issue Date | Remarks         | Revised By |
| 01              | 2021-08-16 | 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                              |

## REPORT INDEX

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# 1 Equipment (Test Item) Under Test

|                          |                                                                                                                           |                         |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------|-------------------------|
| Description              | Electronic Vaping System                                                                                                  |                         |
| Model                    | B-1603                                                                                                                    |                         |
| Additional Model(s)      | None                                                                                                                      |                         |
| Brand Name(s)            | IQOS / VEEV                                                                                                               |                         |
| Serial Number(s)         | IQOS (B-1603 (China Production)): TQUS-8J8-5DL-X6JL<br>VEEV (B-1603 (Malaysia Production)): T5MX-V2K-V9M-HBDS             |                         |
| Test Sample Id(s)        | IQOS (B-1603 (China Production)): 34118<br>VEEV (B-1603 (Malaysia Production)): 34112<br>Conducted sample: 34116          |                         |
| Hardware Version(s)      | B-1603                                                                                                                    |                         |
| Software Version(s)      | STF0830                                                                                                                   |                         |
| PMN                      | B-1603                                                                                                                    |                         |
| HVIN                     | B-1603                                                                                                                    |                         |
| FVIN                     | n/a                                                                                                                       |                         |
| HMN                      | n/a                                                                                                                       |                         |
| FCC ID                   | 2AS66B-1603                                                                                                               |                         |
| IC                       | 22416-B1603                                                                                                               |                         |
| Equipment type           | End Product                                                                                                               |                         |
| Radio type               | Transceiver                                                                                                               |                         |
| Assigned frequency bands | 2400.0 MHz - 2483.5 MHz                                                                                                   |                         |
| Radio technology         | Bluetooth LE 4.2                                                                                                          |                         |
| Bluetooth Specification  | LE 1M PHY                                                                                                                 | Yes                     |
|                          | LE 2M PHY                                                                                                                 | No                      |
|                          | LE Coded PHY S=8 (125 kbit)                                                                                               | No                      |
|                          | LE Coded PHY S=2 (500 kbit)                                                                                               | No                      |
|                          | Stable Modulation Index - Transmitter                                                                                     | No                      |
|                          | Stable Modulation Index - Receiver                                                                                        | No                      |
| Modulation               | GFSK                                                                                                                      |                         |
| Number of antenna ports  | 1                                                                                                                         |                         |
| Antenna                  | Type                                                                                                                      | Integrated antenna      |
|                          | Model                                                                                                                     | 2450AT42E0100E          |
|                          | Manufacturer                                                                                                              | Johanson Technology Inc |
|                          | Gain                                                                                                                      | -2.0 dBi                |
| Supply Voltage           | V <sub>NOM</sub>                                                                                                          | 5.0 VDC                 |
| Operating Temperature    | T <sub>NOM</sub>                                                                                                          | 25 °C                   |
| AC/DC-Adaptor            | Model                                                                                                                     | S21A22                  |
|                          | Vendor                                                                                                                    | Kuantech                |
|                          | Input                                                                                                                     | 100 - 240 VAC           |
|                          | Output                                                                                                                    | 5.0 VDC                 |
| Manufacturer             | Philip Morris Products S.A.<br>Quai Jeanrenaud 3<br>2000 Neuchâtel<br>Switzerland                                         |                         |
| Factory (ies)            | Luxshare Electronic Technology(Kunshan)Co.,Ltd<br>No.158 ,Jinchang Road, Jinxi Town<br>Kunshan City, Jiangsu<br>China     |                         |
|                          | Technocom Systems Sdn.Bhd<br>PL01, Jalan Firma 1, Kawasan Perindustrian Tebaru 1,<br>81100 Johor Bahru, Johor<br>Malaysia |                         |
| Production country       | China, Malaysia                                                                                                           |                         |

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### 1.3 Support Equipment

| Product Type | Device              | Manufacturer | Model       | Comment |
|--------------|---------------------|--------------|-------------|---------|
| AE           | Laptop              | Lenovo       | T440        |         |
| AE           | Laptop power supply | Lenovo       | ADLX45NDC3A |         |
| Description: |                     |              |             |         |
| AE           | Auxiliary Equipment |              |             |         |
| SIM          | Simulator           |              |             |         |
| CBL          | Connecting Cable    |              |             |         |
| SFT          | Software            |              |             |         |
| Comment:     |                     |              |             |         |



#### 1.4 Test Modes

| Mode     | Description                                                                  |
|----------|------------------------------------------------------------------------------|
| GFSK     | Mode = Transmit<br>Modulation = GFSK<br>Spreading = None<br>Duty cycle = 63% |
| Receive  | Mode = Receive                                                               |
| Comment: |                                                                              |

## 1.5 Test Frequencies

| Designator | Mode    | Channel | Frequency [MHz] |
|------------|---------|---------|-----------------|
| F1         | Tx / Rx | 0       | 2402            |
| F2         | Tx / Rx | 19      | 2440            |
| F3         | Tx / Rx | 39      | 2480            |

## 1.6 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:

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

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/m | = 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-247                                       |                                         |                  |        |                    |
|-------------------------------------------------------------------------|-----------------------------------------|------------------|--------|--------------------|
| Product Standard Reference                                              | Requirement                             | Reference Method | Result | Remarks            |
| ISED RSS-Gen, Issue 5 (section 6.7)                                     | Occupied Bandwidth                      | ANSI C63.10-2013 | N/R    | Informational only |
| FCC § 15.247(a)(2)<br>ISED RSS-247, Issue 2 (section 5.2)               | 6 dB Bandwidth                          | ANSI C63.10-2013 | PASS   |                    |
| FCC § 15.247(b)<br>ISED RSS-247, Issue 2 (section 5.4)                  | Maximum peak conducted power            | ANSI C63.10-2013 | PASS   |                    |
| FCC § 15.247(e)<br>ISED RSS-247, Issue 2 (section 5.2)                  | Power spectral density                  | ANSI C63.10-2013 | PASS   |                    |
| FCC § 15.207<br>ISED RSS-247, Issue 2 (section 3.1)                     | AC power line conducted emissions       | ANSI C63.10-2013 | PASS   |                    |
| FCC § 15.247(d)<br>ISED RSS-247, Issue 2 (section 5.5)                  | Band edge compliance                    | ANSI C63.10-2013 | PASS   |                    |
| FCC § 15.247(d)<br>ISED RSS-247, Issue 2 (section 5.5)                  | Conducted spurious emissions            | ANSI C63.10-2013 | PASS   |                    |
| FCC § 15.247(d)<br>FCC § 15.209<br>ISED RSS-Gen, Issue 5 (section 6.13) | Transmitter radiated spurious emissions | ANSI C63.10-2013 | PASS   |                    |
| ISED RSS-247, Issue 2 (section 3.1)                                     | Receiver radiated spurious emissions    | ANSI C63.4-2014  | 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

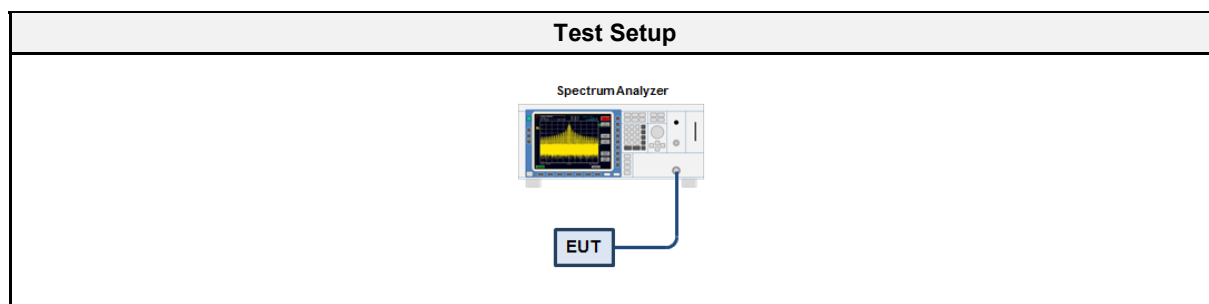
##### 3.1.1 Information

| Test Information        |                                     |
|-------------------------|-------------------------------------|
| Reference               | ISED RSS-Gen, Issue 5 (section 6.7) |
| Measurement Method      | ANSI C63.10 6.9.3                   |
| Measurement Uncertainty | $\pm 1.26 \%$                       |
| Test Sample ID          | 34116                               |
| Operator                | Florian Voigt                       |
| Date                    | 2021-08-04                          |

##### 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 Analyser | R&S          | FSU 26      | EF01709       | 2021-02   | 2022-02  |
| Cable (diverse)   | – (diverse)  | – (diverse) | EF00779 CAABQ | 2020-12   | 2021-12  |

##### 3.1.5 Procedure

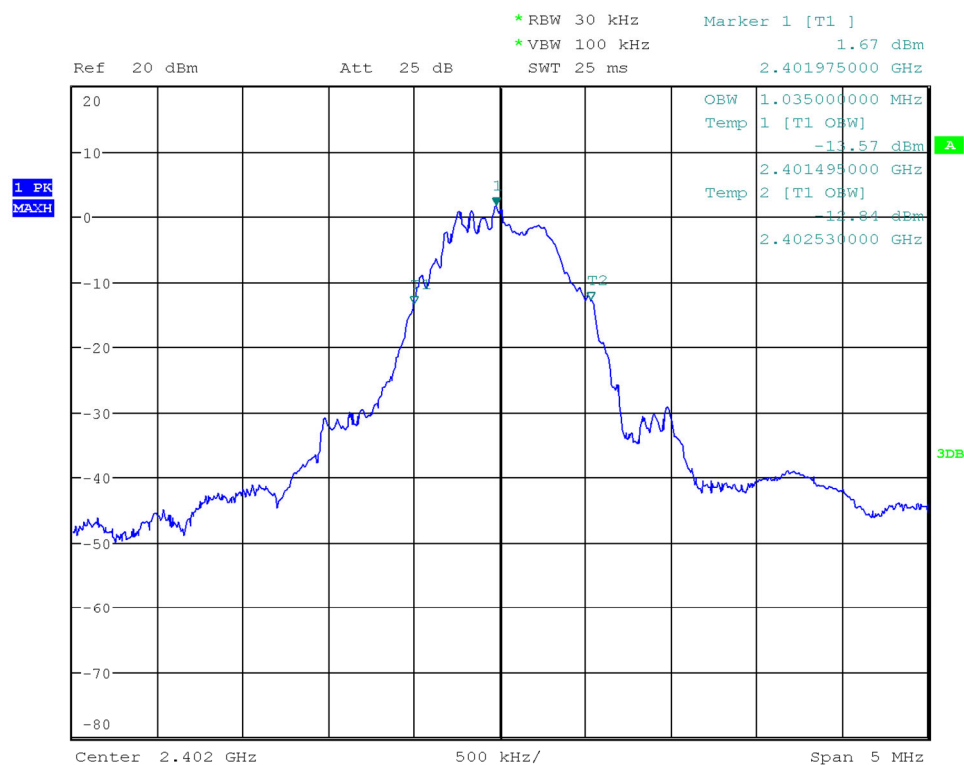
| Test Procedure                                                                                                                                                                                                                                                                                                                                                                                                                 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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 the range of 1 % to 5 % of the occupied 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] |
| GFSK         | 2402               | 1.035              |
| GFSK         | 2440               | 1.040              |
| GFSK         | 2480               | 1.030              |

## Occupied Bandwidth

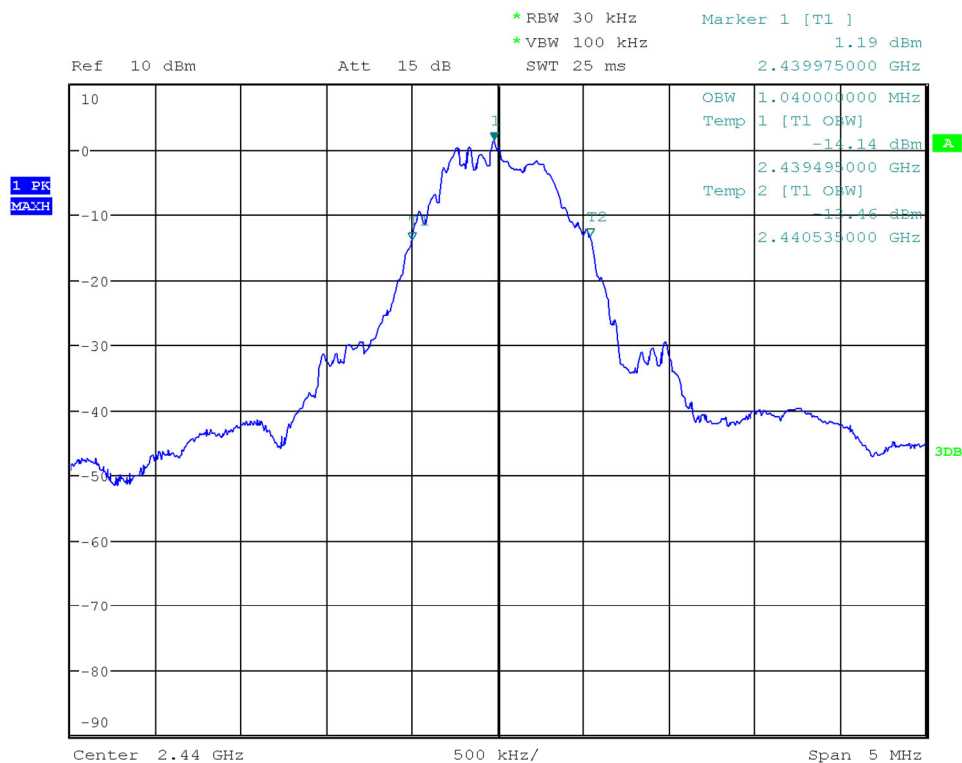
Project Number: G0M-2103-9658  
 Applicant: Philip Morris Products S.A.  
 Model Description: Electronic Vaping System  
 Model: B-1603  
 Test Sample ID: 34116  
 Reference Standards: FCC 15.247, RSS-247  
 Reference Method: ANSI C63.10:2013, Section 6.9.3  
 Operational Mode: GFSK, Channel: 0, 2402 MHz  
 Operating Conditions: Tnom/Vnom  
 Operator: Florian Voigt  
 Test Site: Eurofins Product Service GmbH  
 Test Date: 2021-08-04  
 Occupied Bandwidth [MHz]: 1.035



Date: 4.AUG.2021 23:11:09

## Occupied Bandwidth

Project Number: G0M-2103-9658  
 Applicant: Philip Morris Products S.A.  
 Model Description: Electronic Vaping System  
 Model: B-1603  
 Test Sample ID: 34116  
 Reference Standards: FCC 15.247, RSS-247  
 Reference Method: ANSI C63.10:2013, Section 6.9.3  
 Operational Mode: GFSK, Channel: 19, 2440 MHz  
 Operating Conditions: Tnom/Vnom  
 Operator: Florian Voigt  
 Test Site: Eurofins Product Service GmbH  
 Test Date: 2021-08-04  
 Occupied Bandwidth [MHz]: 1.040

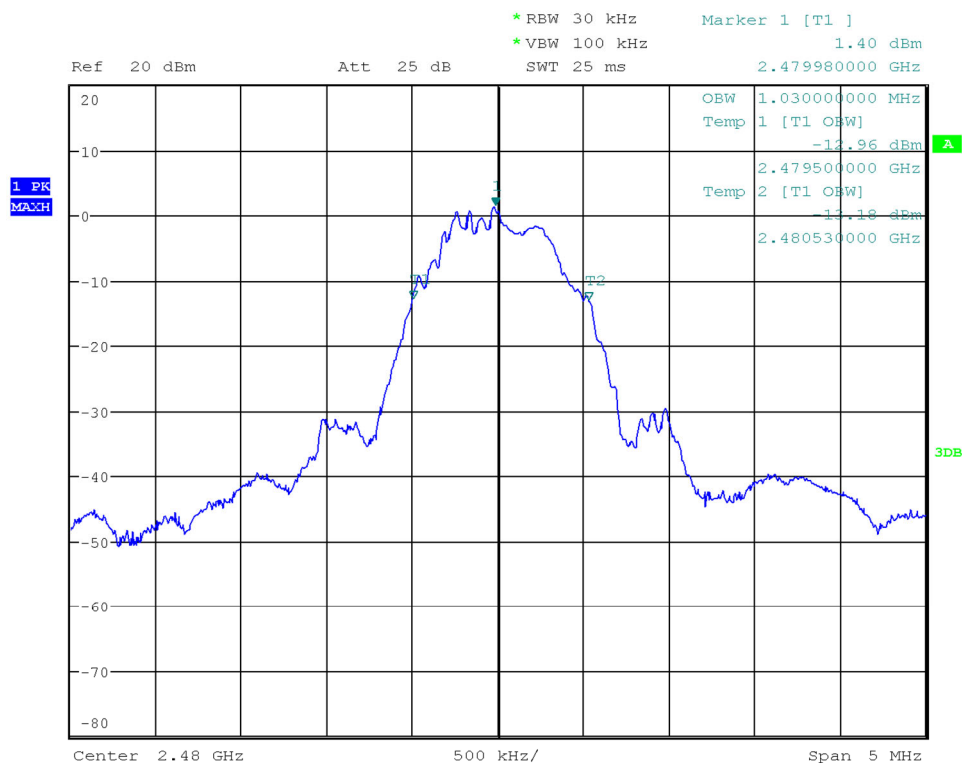


Date: 4.AUG.2021 23:12:04



## Occupied Bandwidth

Project Number: G0M-2103-9658  
 Applicant: Philip Morris Products S.A.  
 Model Description: Electronic Vaping System  
 Model: B-1603  
 Test Sample ID: 34116  
 Reference Standards: FCC 15.247, RSS-247  
 Reference Method: ANSI C63.10:2013, Section 6.9.3  
 Operational Mode: GFSK, Channel: 39, 2480 MHz  
 Operating Conditions: Tnom/Vnom  
 Operator: Florian Voigt  
 Test Site: Eurofins Product Service GmbH  
 Test Date: 2021-08-04  
 Occupied Bandwidth [MHz]: 1.030



Date: 4.AUG.2021 23:13:00

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

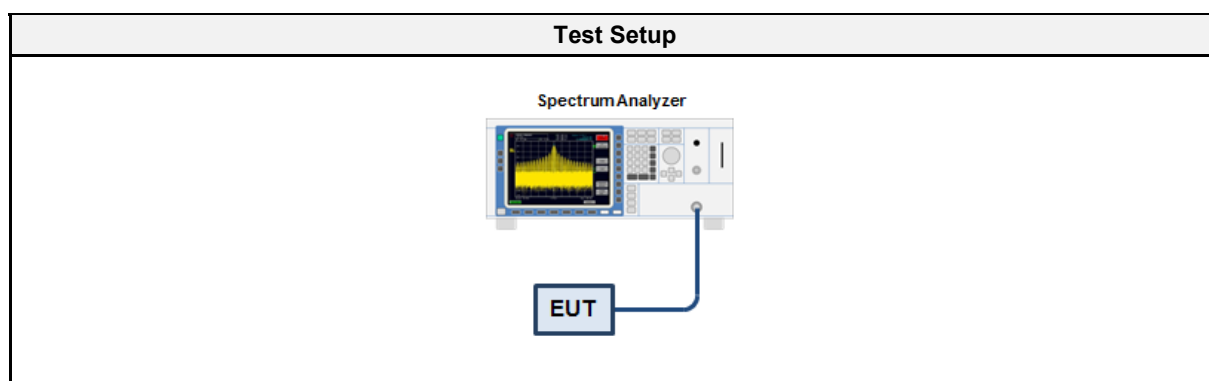
#### 3.2.1 Information

| Test Information        |                                                          |
|-------------------------|----------------------------------------------------------|
| Reference               | FCC § 15.247(a)(2); ISSED RSS-247, Issue 2 (section 5.2) |
| Measurement Method      | ANSI C63.10 11.8                                         |
| Measurement Uncertainty | ± 1.26 %                                                 |
| Operator                | Florian Voigt                                            |
| Date                    | 2021-08-04                                               |

#### 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 Analyser  | R&S            | FSU 26         | EF01709          | 2021-02   | 2022-02  |
| Cable<br>(diverse) | –<br>(diverse) | –<br>(diverse) | EF00779<br>CAABQ | 2020-12   | 2021-12  |

#### 3.2.5 Procedure

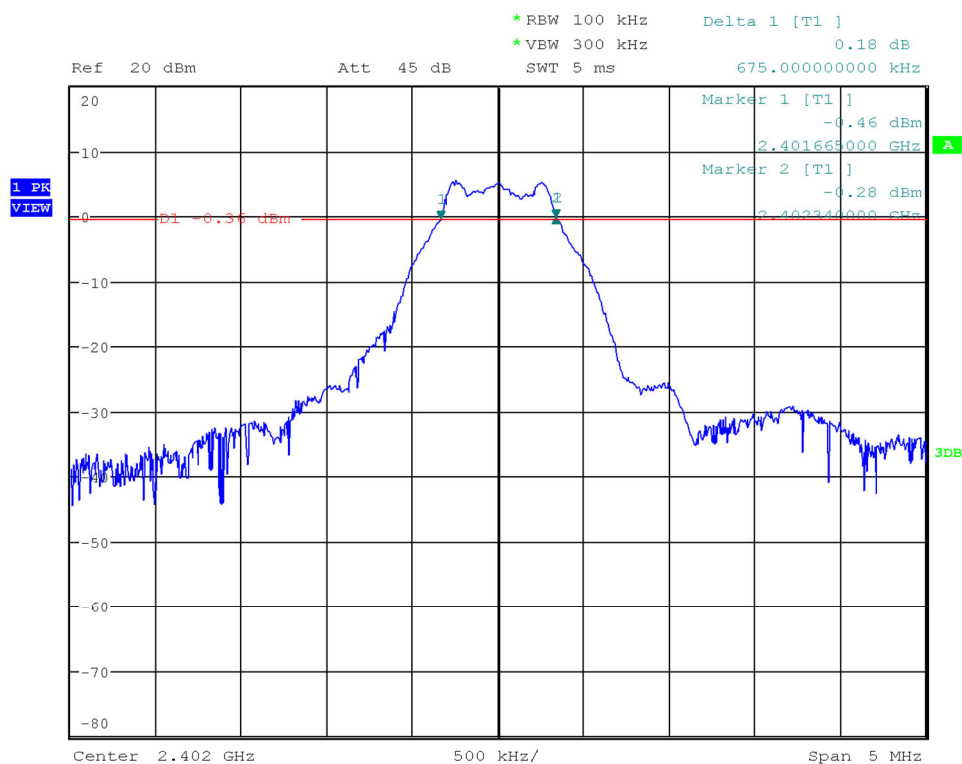
| Test Procedure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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<br>[MHz] | Bandwidth<br>[kHz] | Limit<br>[kHz] | Verdict |
| GFSK         | 2402               | 675                | 500            | PASS    |
| GFSK         | 2440               | 695                | 500            | PASS    |
| GFSK         | 2480               | 675                | 500            | PASS    |

## DTS (6 dB) Bandwidth

Project Number: G0M-2103-9658  
 Applicant: Philip Morris Products S.A.  
 Model Description: Electronic Vaping System  
 Model: B-1603  
 Test Sample ID: 34116  
 Reference Standards: FCC 15.247, RSS-247  
 Reference Method: ANSI C63.10:2013, Section 11.8.1 Option 1  
 Operational Mode: GFSK, Channel: 0, 2402 MHz  
 Operating Conditions: Tnom/Vnom  
 Operator: Florian Voigt  
 Test Site: Eurofins Product Service GmbH  
 Test Date: 2021-08-04  
 Lower Frequency [MHz]: 2401.665  
 Upper Frequency [MHz]: 2402.340  
 6 dB Bandwidth [kHz]: 675



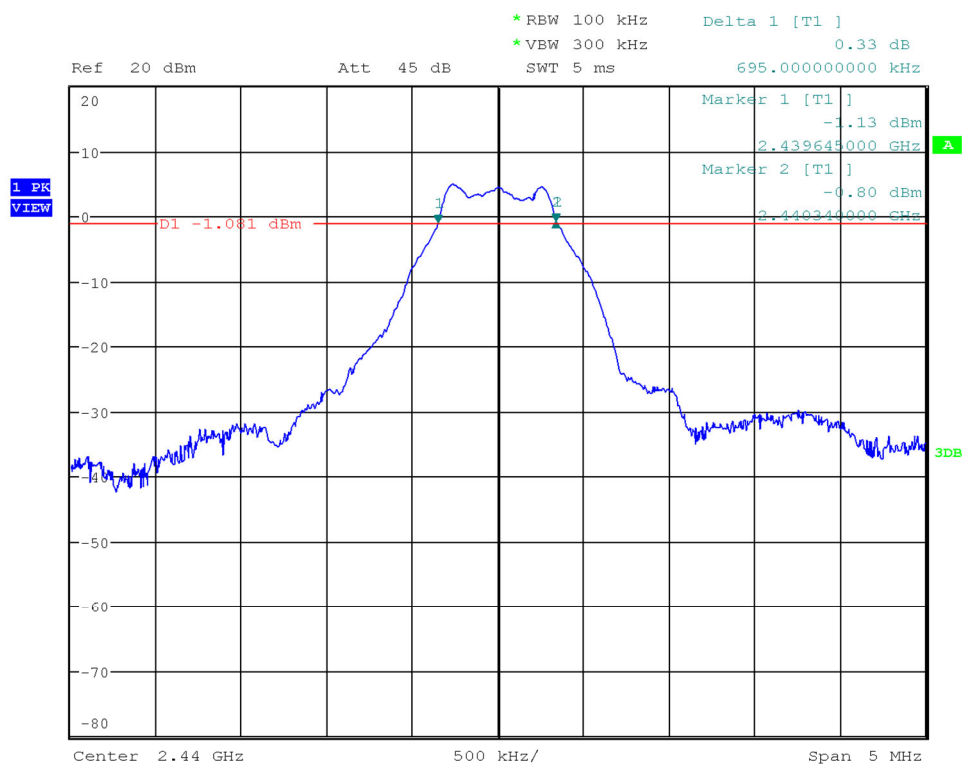
Date: 4.AUG.2021 23:18:00

Test Report No.: G0M-2103-9658-TFC247BL-V01

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

## DTS (6 dB) Bandwidth

Project Number: G0M-2103-9658  
 Applicant: Philip Morris Products S.A.  
 Model Description: Electronic Vaping System  
 Model: B-1603  
 Test Sample ID: 34116  
 Reference Standards: FCC 15.247, RSS-247  
 Reference Method: ANSI C63.10:2013, Section 11.8.1 Option 1  
 Operational Mode: GFSK, Channel: 19, 2440 MHz  
 Operating Conditions: Tnom/Vnom  
 Operator: Florian Voigt  
 Test Site: Eurofins Product Service GmbH  
 Test Date: 2021-08-04  
 Lower Frequency [MHz]: 2439.645  
 Upper Frequency [MHz]: 2440.340  
 6 dB Bandwidth [kHz]: 695



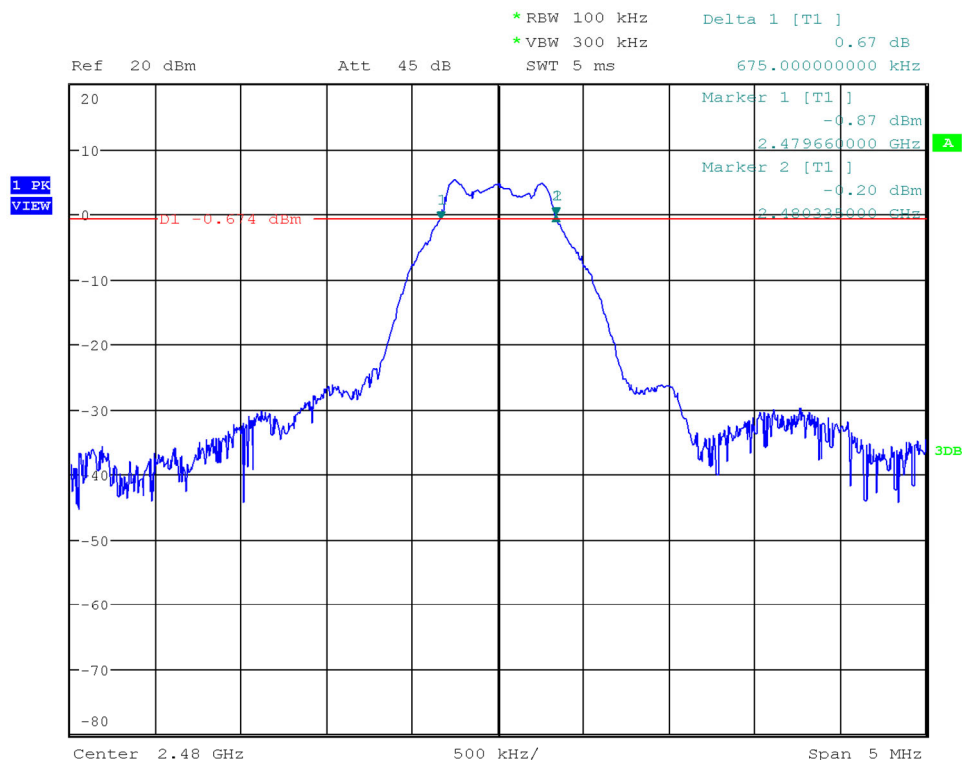
Date: 4.AUG.2021 23:18:45

Test Report No.: G0M-2103-9658-TFC247BL-V01

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

## DTS (6 dB) Bandwidth

Project Number: G0M-2103-9658  
 Applicant: Philip Morris Products S.A.  
 Model Description: Electronic Vaping System  
 Model: B-1603  
 Test Sample ID: 34116  
 Reference Standards: FCC 15.247, RSS-247  
 Reference Method: ANSI C63.10:2013, Section 11.8.1 Option 1  
 Operational Mode: GFSK, Channel: 39, 2480 MHz  
 Operating Conditions: Tnom/Vnom  
 Operator: Florian Voigt  
 Test Site: Eurofins Product Service GmbH  
 Test Date: 2021-08-04  
 Lower Frequency [MHz]: 2479.660  
 Upper Frequency [MHz]: 2480.335  
 6 dB Bandwidth [kHz]: 675



Date: 4.AUG.2021 23:19:25

Test Report No.: G0M-2103-9658-TFC247BL-V01

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

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

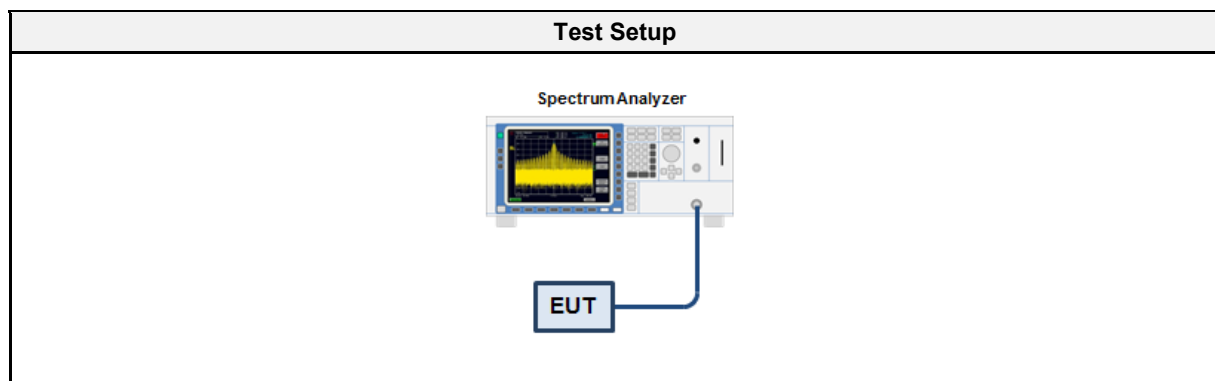
#### 3.3.1 Information

| Test Information        |                                                       |
|-------------------------|-------------------------------------------------------|
| Reference               | FCC § 15.247(b); ISSED RSS-247, Issue 2 (section 5.4) |
| Measurement Method      | ANSI C63.10 11.9.1                                    |
| Measurement Uncertainty | $\pm 2.86$ dB                                         |
| Operator                | Florian Voigt                                         |
| Date                    | 2021-08-04                                            |

#### 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 Analyser  | R&S            | FSU 26         | EF01709          | 2021-02   | 2022-02  |
| Cable<br>(diverse) | –<br>(diverse) | –<br>(diverse) | EF00779<br>CAABQ | 2020-12   | 2021-12  |

#### 3.3.5 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. 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> |

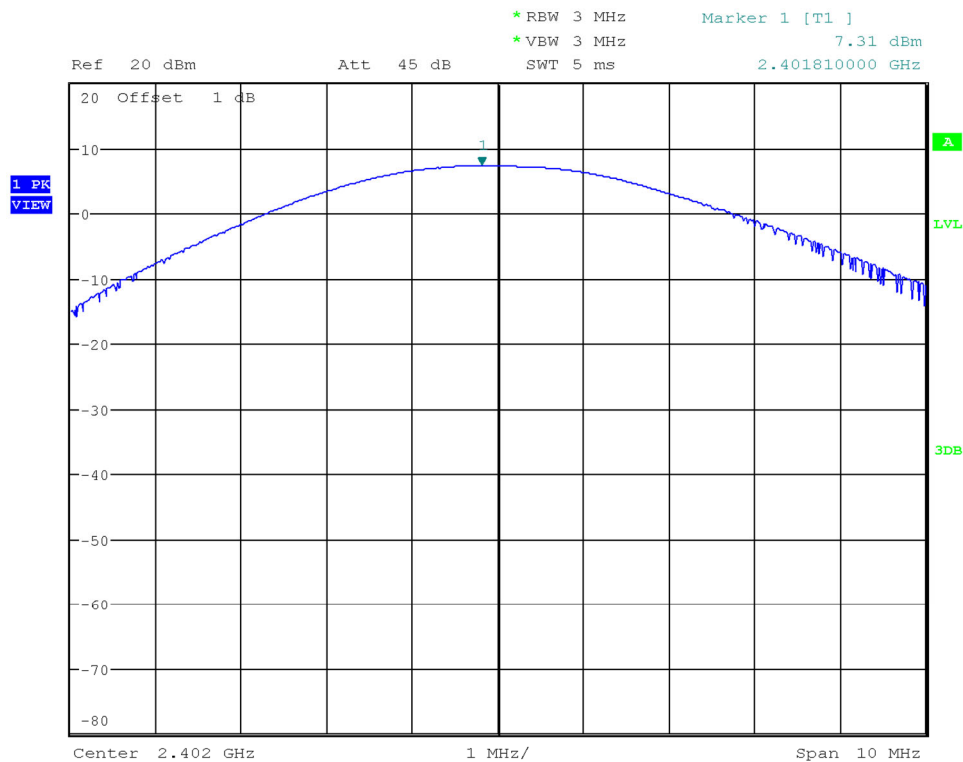
### 3.3.6 Results

| Test Results     |                |              |              |         |
|------------------|----------------|--------------|--------------|---------|
| Channel<br>[MHz] | Power<br>[dBm] | Power<br>[W] | Limit<br>[W] | Verdict |
| 2402             | 7.314          | 0.0054       | 1.0          | PASS    |
| 2440             | 6.700          | 0.0047       | 1.0          | PASS    |
| 2480             | 6.962          | 0.0050       | 1.0          | PASS    |



## Peak Conducted Output Power

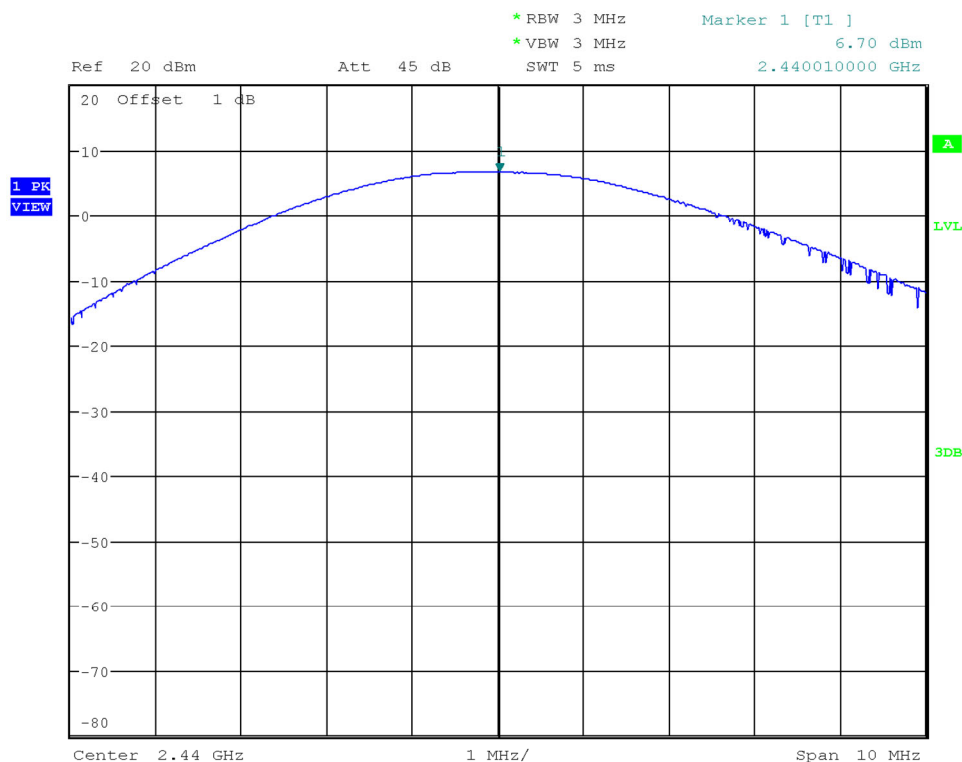
Project Number: G0M-2103-9658  
 Applicant: Philip Morris Products S.A.  
 Model Description: Electronic Vaping System  
 Model: B-1603  
 Test Sample ID: 34116  
 Reference Standards: FCC 15.247, RSS-247  
 Reference Method: ANSI C63.10:2013, Section 11.9.1.1  
 Operational Mode: GFSK, Channel: 0, 2402 MHz  
 Operating Conditions: Tnom/Vnom  
 Operator: Florian Voigt  
 Test Site: Eurofins Product Service GmbH  
 Test Date: 2021-08-04  
 Peak Power [dBm]: 7.314  
 Peak Power [W]: 0.0054



Date: 4.AUG.2021 23:25:15

## Peak Conducted Output Power

Project Number: G0M-2103-9658  
 Applicant: Philip Morris Products S.A.  
 Model Description: Electronic Vaping System  
 Model: B-1603  
 Test Sample ID: 34116  
 Reference Standards: FCC 15.247, RSS-247  
 Reference Method: ANSI C63.10:2013, Section 11.9.1.1  
 Operational Mode: GFSK, Channel: 19, 2440 MHz  
 Operating Conditions: Tnom/Vnom  
 Operator: Florian Voigt  
 Test Site: Eurofins Product Service GmbH  
 Test Date: 2021-08-04  
 Peak Power [dBm]: 6.700  
 Peak Power [W]: 0.0047



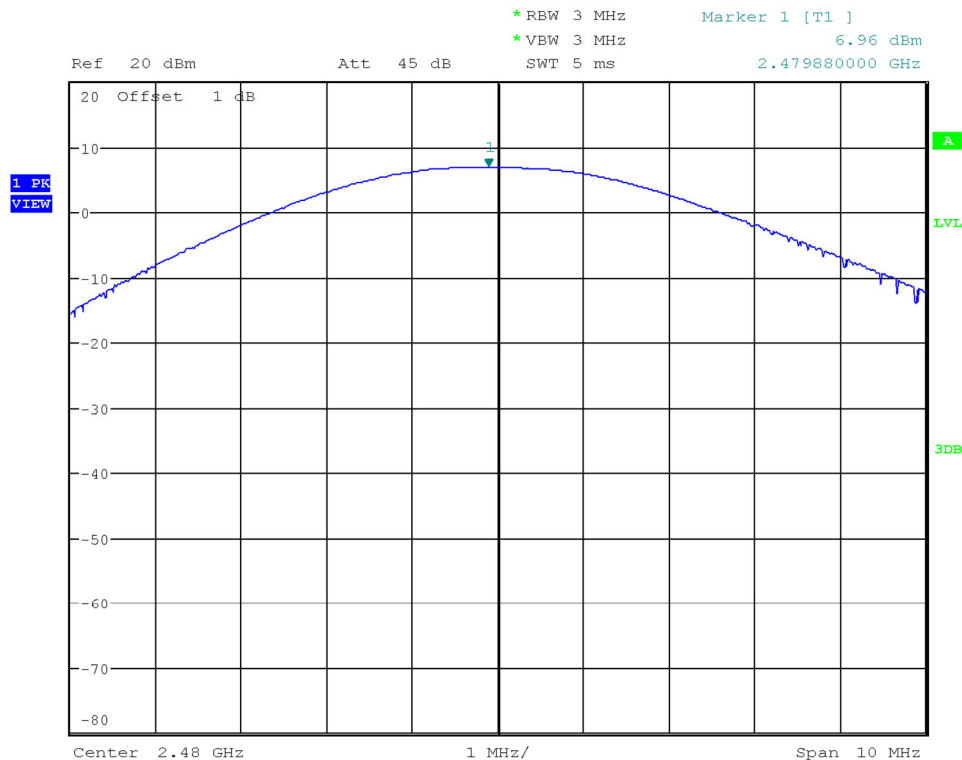
Date: 4.AUG.2021 23:26:09

Test Report No.: G0M-2103-9658-TFC247BL-V01

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

## Peak Conducted Output Power

Project Number: G0M-2103-9658  
 Applicant: Philip Morris Products S.A.  
 Model Description: Electronic Vaping System  
 Model: B-1603  
 Test Sample ID: 34116  
 Reference Standards: FCC 15.247, RSS-247  
 Reference Method: ANSI C63.10:2013, Section 11.9.1.1  
 Operational Mode: GFSK, Channel: 39, 2480 MHz  
 Operating Conditions: Tnom/Vnom  
 Operator: Florian Voigt  
 Test Site: Eurofins Product Service GmbH  
 Test Date: 2021-08-04  
 Peak Power [dBm]: 6.962  
 Peak Power [W]: 0.0050



Date: 4.AUG.2021 23:26:55

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

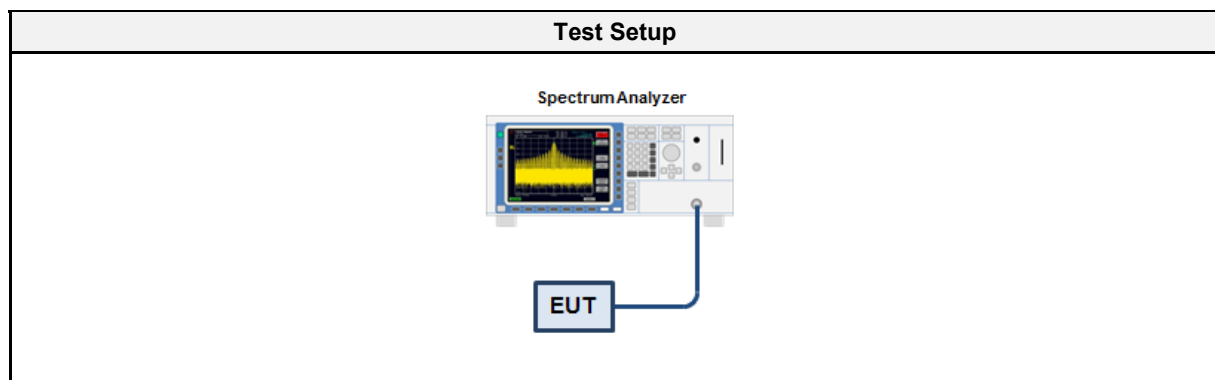
#### 3.4.1 Information

| Test Information        |                                                       |
|-------------------------|-------------------------------------------------------|
| Reference               | FCC § 15.247(e); ISSED RSS-247, Issue 2 (section 5.2) |
| Measurement Method      | ANSI C63.10 11.10.2, 14.3.2                           |
| Measurement Uncertainty | $\pm 2.86$ dB                                         |
| Operator                | Florian Voigt                                         |
| Date                    | 2021-08-04                                            |

#### 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 Analyser | R&S          | FSU 26      | EF01709       | 2021-02   | 2022-02  |
| Cable (diverse)   | – (diverse)  | – (diverse) | EF00779 CAABQ | 2020-12   | 2021-12  |

#### 3.4.5 Procedure

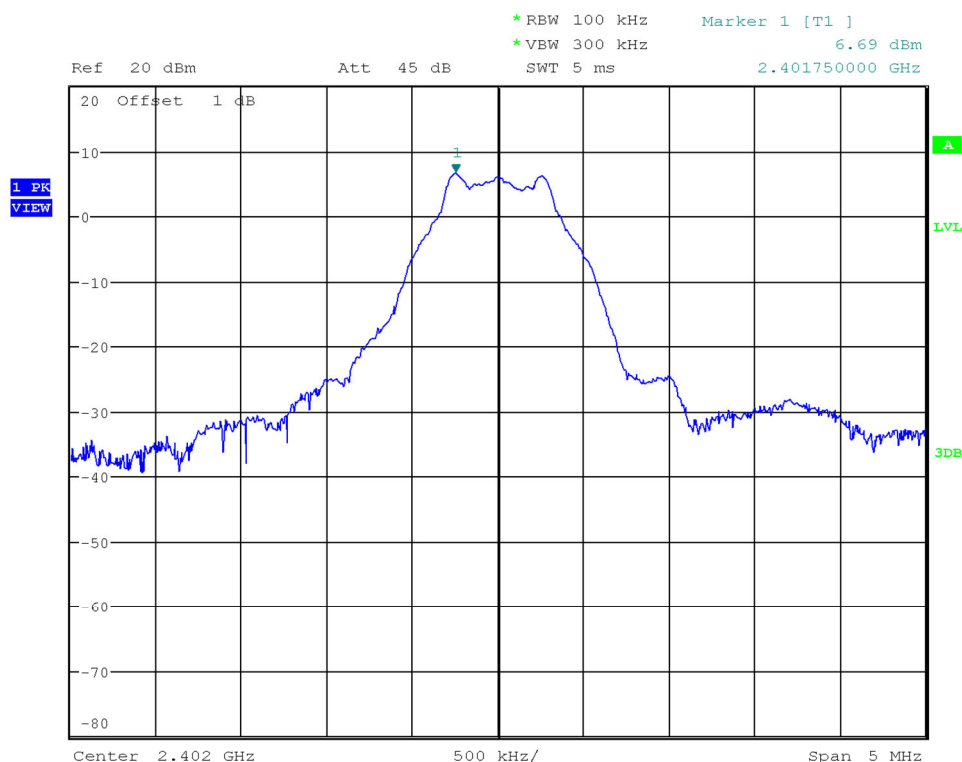
| Test Procedure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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<br>[MHz] | PSD<br>[dBm/RBW] | Limit<br>[dBm/3kHz] | Verdict |
| 2402             | 6.692            | 8.0                 | PASS    |
| 2440             | 5.961            | 8.0                 | PASS    |
| 2480             | 6.256            | 8.0                 | PASS    |
| RBW = 100 kHz    |                  |                     |         |

## Peak Power Spectral Density

Project Number: G0M-2103-9658  
 Applicant: Philip Morris Products S.A.  
 Model Description: Electronic Vaping System  
 Model: B-1603  
 Test Sample ID: 34116  
 Reference Standards: FCC 15.247, RSS-247  
 Reference Method: ANSI C63.10:2013, Section 11.10.2  
 Operational Mode: GFSK, Channel: 0, 2402 MHz  
 Operating Conditions: Tnom/Vnom  
 Operator: Florian Voigt  
 Test Site: Eurofins Product Service GmbH  
 Test Date: 2021-08-04  
 Peak Frequency [MHz]: 2401.750  
 Spectral Density [dBm/RBW]: 6.692  
 Resolution Bandwidth [kHz]: 100 kHz



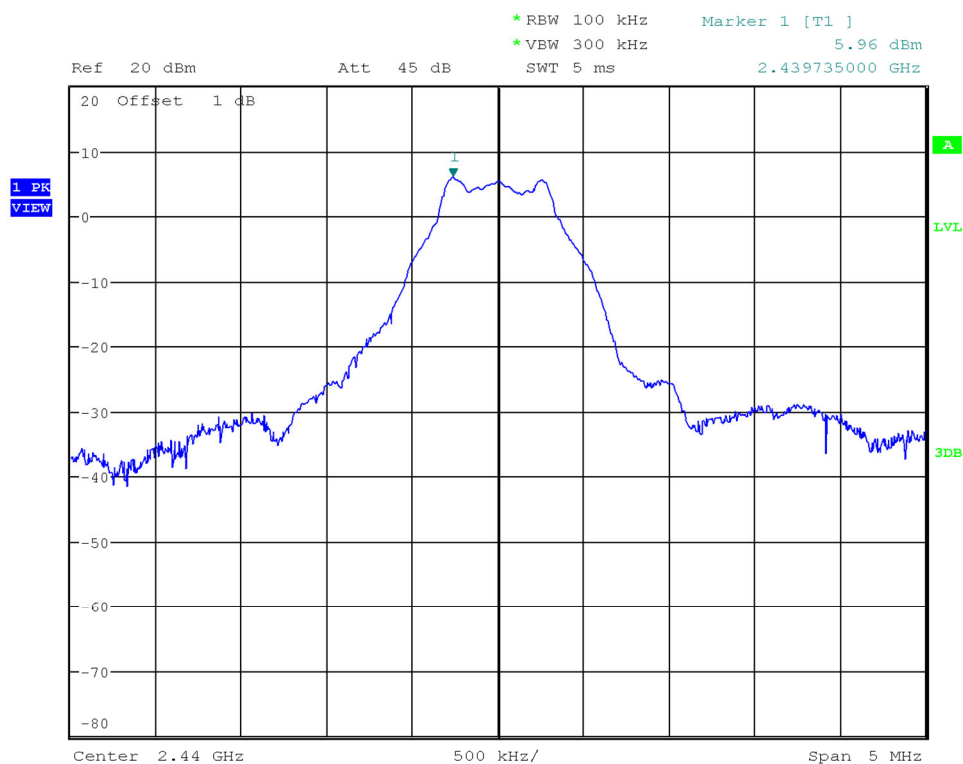
Date: 4.AUG.2021 23:34:11

Test Report No.: G0M-2103-9658-TFC247BL-V01

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

## Peak Power Spectral Density

Project Number: G0M-2103-9658  
 Applicant: Philip Morris Products S.A.  
 Model Description: Electronic Vaping System  
 Model: B-1603  
 Test Sample ID: 34116  
 Reference Standards: FCC 15.247, RSS-247  
 Reference Method: ANSI C63.10:2013, Section 11.10.2  
 Operational Mode: GFSK, Channel: 19, 2440 MHz  
 Operating Conditions: Tnom/Vnom  
 Operator: Florian Voigt  
 Test Site: Eurofins Product Service GmbH  
 Test Date: 2021-08-04  
 Peak Frequency [MHz]: 2439.735  
 Spectral Density [dBm/RBW]: 5.961  
 Resolution Bandwidth [kHz]: 100 kHz



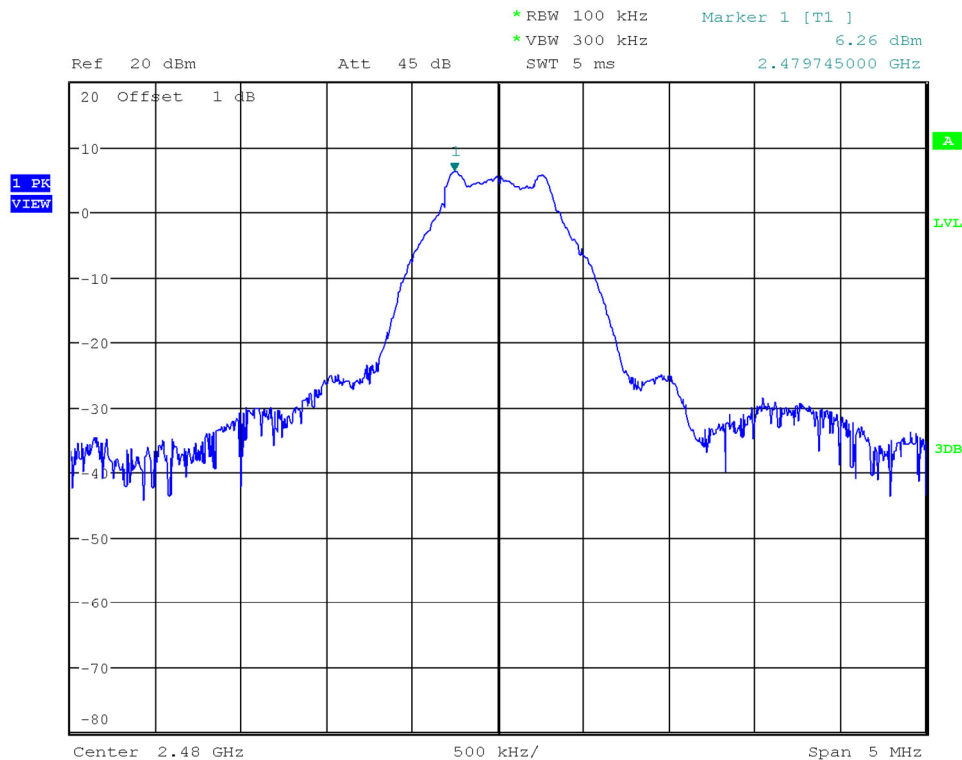
Date: 4.AUG.2021 23:35:03

Test Report No.: G0M-2103-9658-TFC247BL-V01

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

## Peak Power Spectral Density

Project Number: G0M-2103-9658  
 Applicant: Philip Morris Products S.A.  
 Model Description: Electronic Vaping System  
 Model: B-1603  
 Test Sample ID: 34116  
 Reference Standards: FCC 15.247, RSS-247  
 Reference Method: ANSI C63.10:2013, Section 11.10.2  
 Operational Mode: GFSK, Channel: 39, 2480 MHz  
 Operating Conditions: Tnom/Vnom  
 Operator: Florian Voigt  
 Test Site: Eurofins Product Service GmbH  
 Test Date: 2021-08-04  
 Peak Frequency [MHz]: 2479.745  
 Spectral Density [dBm/RBW]: 6.256  
 Resolution Bandwidth [kHz]: 100 kHz



Date: 4.AUG.2021 23:35:50



### 3.5 Test Conditions and Results - AC powerline conducted emissions with model B-1603

#### 3.5.1 Information

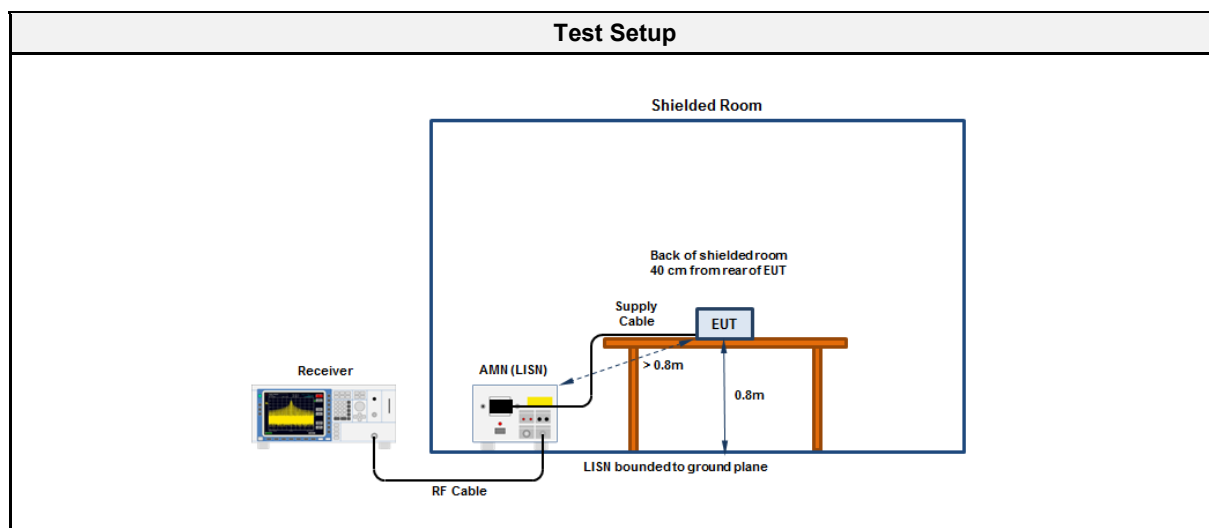
| Test Information        |                                                   |
|-------------------------|---------------------------------------------------|
| Reference               | FCC § 15.207; ISED RSS-247, Issue 2 (section 3.1) |
| Measurement Method      | ANSI C63.10 6.2                                   |
| Measurement Uncertainty | ± 3.82 dB                                         |
| Operator                | Florian Voigt                                     |
| Date                    | 2021-08-06                                        |

#### 3.5.2 Limits

| Limits          |                   |                |
|-----------------|-------------------|----------------|
| Frequency [MHz] | Quasi-Peak [dBμV] | Average [dBμV] |
| 0.15 - 0.5      | 66 - 56*          | 56 - 46*       |
| 0.5 - 5         | 56                | 46             |
| 5 - 30          | 60                | 50             |

\* Limit decreases linearly with the logarithm of the frequency

#### 3.5.3 Setup



#### 3.5.4 Equipment

| Test Software |                  |            |          |
|---------------|------------------|------------|----------|
| Description   | Manufacturer     | Name       | Version  |
| EMC Software  | DARE Instruments | RadiMation | 2020.1.8 |

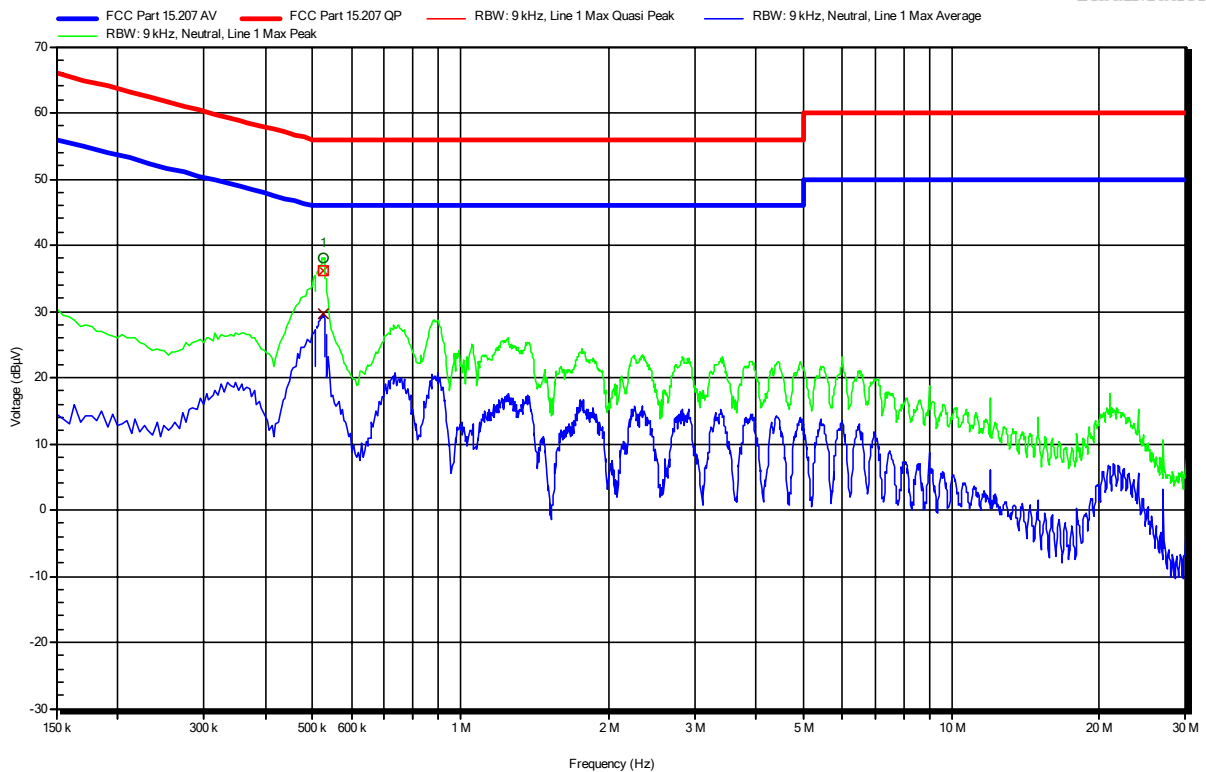
| Test Equipment    |              |              |            |           |          |
|-------------------|--------------|--------------|------------|-----------|----------|
| Description       | Manufacturer | Model        | Identifier | Cal. Date | Cal. Due |
| EMI Test Receiver | R&S          | ESR7         | EF00943    | 2021-08   | 2022-08  |
| Pulse Limiter     | R&S          | ESH3-Z2      | EF01222    | 2021-07   | 2022-07  |
| LISN              | Schwarzbeck  | NSLK 8127 RC | EF01592    | 2021-07   | 2022-07  |

## Conducted emissions at the mains power port according to RSS-247, 47 CFR Part 15.247

Project Number: G0M-2103-9658  
 Applicant: Philip Morris Products S.A.  
 Model Description: Electronic Vaping System  
 Model: B-1603  
 Test Sample ID: 34118  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Voigt  
 Test Date: 2021-08-06  
 Operating Conditions: ambient temperature: 22 °Celsius  
 power input: 120V/60Hz converted to 5 VDC  
 LISN: Schwarzbeck NSLK 8127 RC N  
 Operational Mode: BLE, TX, 2440MHz, 2-GFSK, 1MBit/s  
 Applied to Port: Mains  
 Note 1:

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RadiMation



| Peak Number | Frequency | Quasi-Peak | Quasi-Peak Limit | Quasi-Peak Difference | Quasi-Peak Status | LISN   |
|-------------|-----------|------------|------------------|-----------------------|-------------------|--------|
| 1           | 525.3 kHz | 36.04 dBµV | 56 dBµV          | -19.96 dB             | Pass              | Line 1 |
| Peak Number | Frequency | Average    | Average Limit    | Average Difference    | Average Status    | LISN   |
| 1           | 525.3 kHz | 29.56 dBµV | 46 dBµV          | -16.44 dB             | Pass              | Line 1 |

### 3.6 Test Conditions and Results - AC powerline conducted emissions with model B-1603 (Malaysia Production)

#### 3.6.1 Information

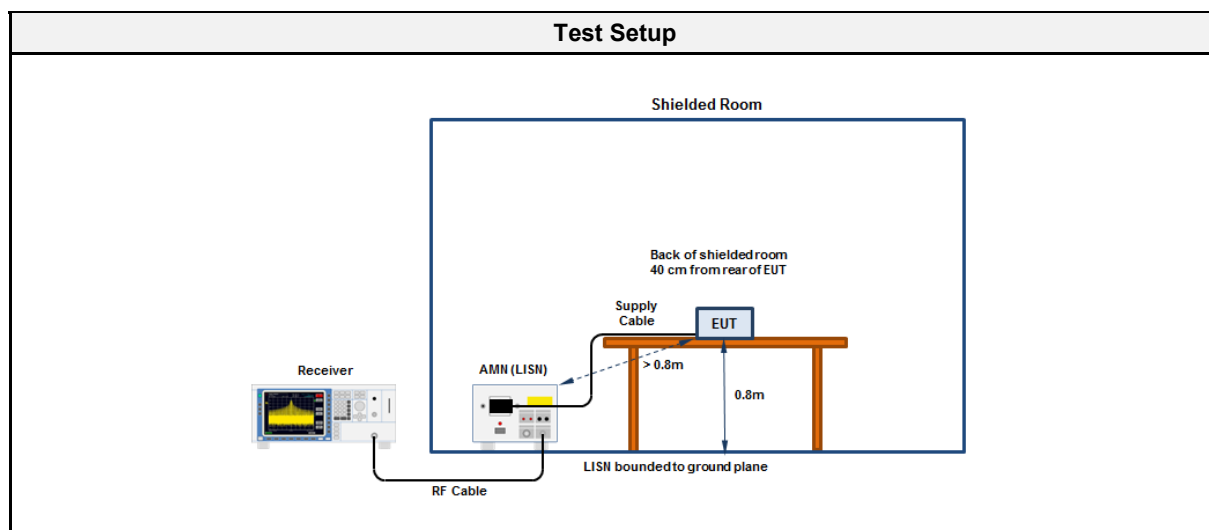
| Test Information        |                                                   |
|-------------------------|---------------------------------------------------|
| Reference               | FCC § 15.207; ISED RSS-247, Issue 2 (section 3.1) |
| Measurement Method      | ANSI C63.10 6.2                                   |
| Measurement Uncertainty | ± 3.82 dB                                         |
| Operator                | Florian Voigt                                     |
| Date                    | 2021-08-06                                        |

#### 3.6.2 Limits

| Limits          |                   |                |
|-----------------|-------------------|----------------|
| Frequency [MHz] | Quasi-Peak [dBμV] | Average [dBμV] |
| 0.15 - 0.5      | 66 - 56*          | 56 - 46*       |
| 0.5 - 5         | 56                | 46             |
| 5 - 30          | 60                | 50             |

\* Limit decreases linearly with the logarithm of the frequency

#### 3.6.3 Setup



#### 3.6.4 Equipment

| Test Software |                  |            |          |
|---------------|------------------|------------|----------|
| Description   | Manufacturer     | Name       | Version  |
| EMC Software  | DARE Instruments | RadiMation | 2020.1.8 |

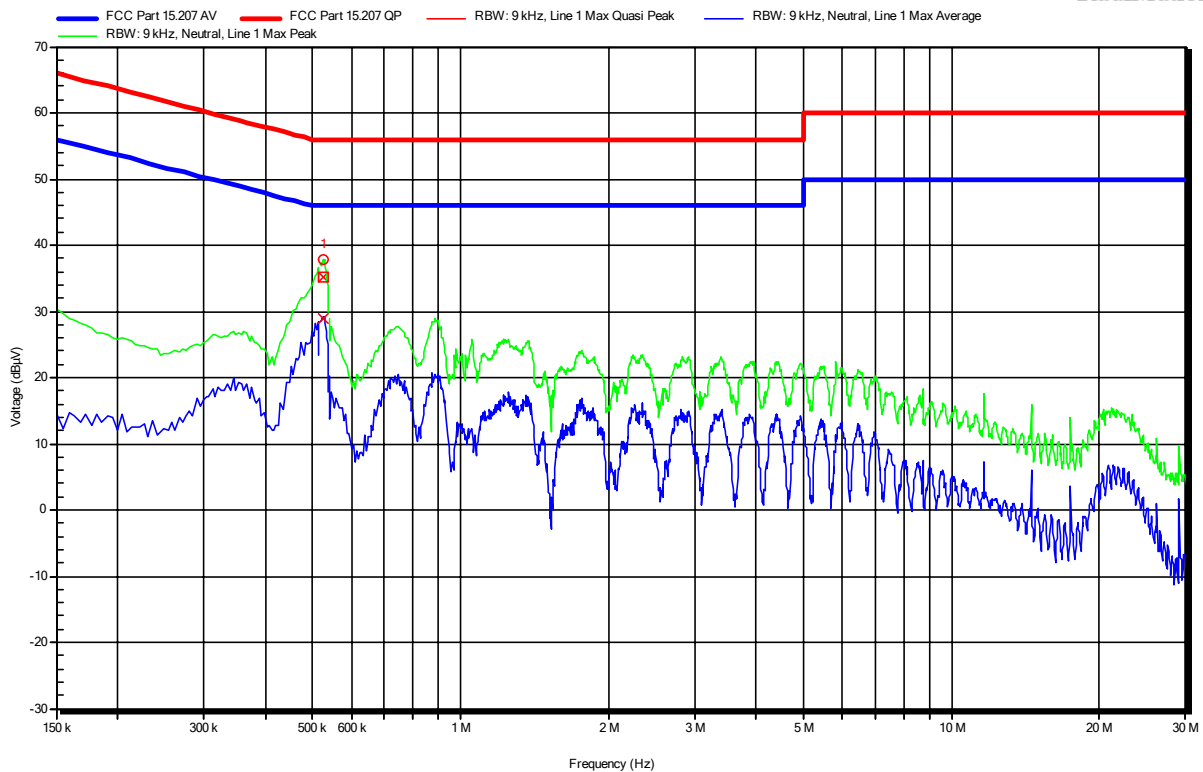
| Test Equipment    |              |              |            |           |          |
|-------------------|--------------|--------------|------------|-----------|----------|
| Description       | Manufacturer | Model        | Identifier | Cal. Date | Cal. Due |
| EMI Test Receiver | R&S          | ESR7         | EF00943    | 2021-08   | 2022-08  |
| Pulse Limiter     | R&S          | ESH3-Z2      | EF01222    | 2021-07   | 2022-07  |
| LISN              | Schwarzbeck  | NSLK 8127 RC | EF01592    | 2021-07   | 2022-07  |

## Conducted emissions at the mains power port according to RSS-247, 47 CFR Part 15.247

Project Number: G0M-2103-9658  
 Applicant: Philip Morris Products S.A.  
 Model Description: Electronic Vaping System  
 Model: B-1603 (MALAYSIA PRODUCTION)  
 Test Sample ID: 34112  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Voigt  
 Test Date: 2021-08-06  
 Operating Conditions: ambient temperature: 22 °Celsius  
 power input: 120V/60Hz converted to 5 VDC  
 LISN: Schwarzbeck NSLK 8127 RC N  
 Operational Mode: BLE, TX, 2440MHz, 2-GFSK, 1MBit/s  
 Applied to Port: Mains  
 Note 1:

Index 107

RadiMation



| Peak Number | Frequency  | Quasi-Peak | Quasi-Peak Limit | Quasi-Peak Difference | Quasi-Peak Status | LISN   |
|-------------|------------|------------|------------------|-----------------------|-------------------|--------|
| 1           | 524.85 kHz | 35.22 dBµV | 56 dBµV          | -20.78 dB             | Pass              | Line 1 |
| Peak Number | Frequency  | Average    | Average Limit    | Average Difference    | Average Status    | LISN   |
| 1           | 524.85 kHz | 28.91 dBµV | 46 dBµV          | -17.09 dB             | Pass              | Line 1 |

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

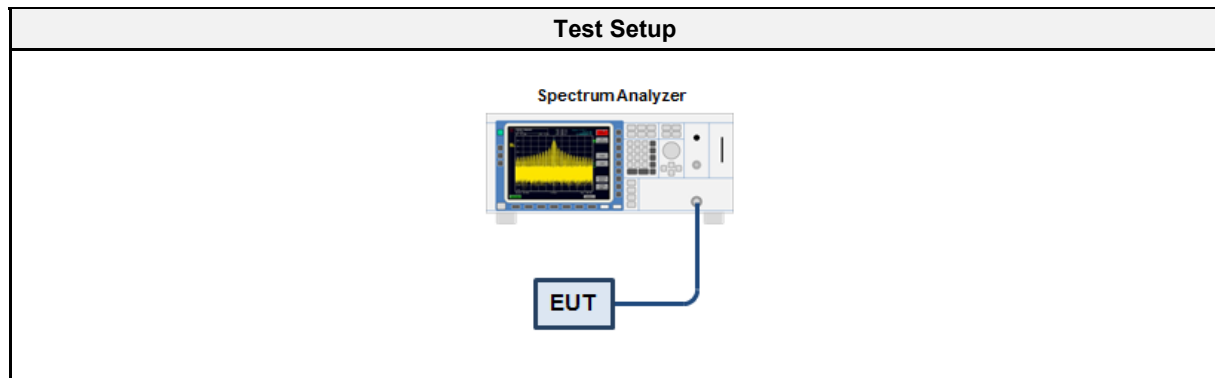
#### 3.7.1 Information

| Test Information        |                                                       |
|-------------------------|-------------------------------------------------------|
| Reference               | FCC § 15.247(d); ISSED RSS-247, Issue 2 (section 5.5) |
| Measurement Uncertainty | ± 3.64 dB                                             |
| Measurement Method      | ANSI C63.10 11.13                                     |
| Operator                | Florian Voigt                                         |
| Date                    | 2021-08-04                                            |

#### 3.7.2 Limits

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

#### 3.7.3 Setup



#### 3.7.4 Equipment

| Test Equipment    |              |             |               |           |          |
|-------------------|--------------|-------------|---------------|-----------|----------|
| Description       | Manufacturer | Model       | Identifier    | Cal. Date | Cal. Due |
| Spectrum Analyser | R&S          | FSU 26      | EF01709       | 2021-02   | 2022-02  |
| Cable (diverse)   | – (diverse)  | – (diverse) | EF00779 CAABQ | 2020-12   | 2021-12  |

#### 3.7.5 Procedure

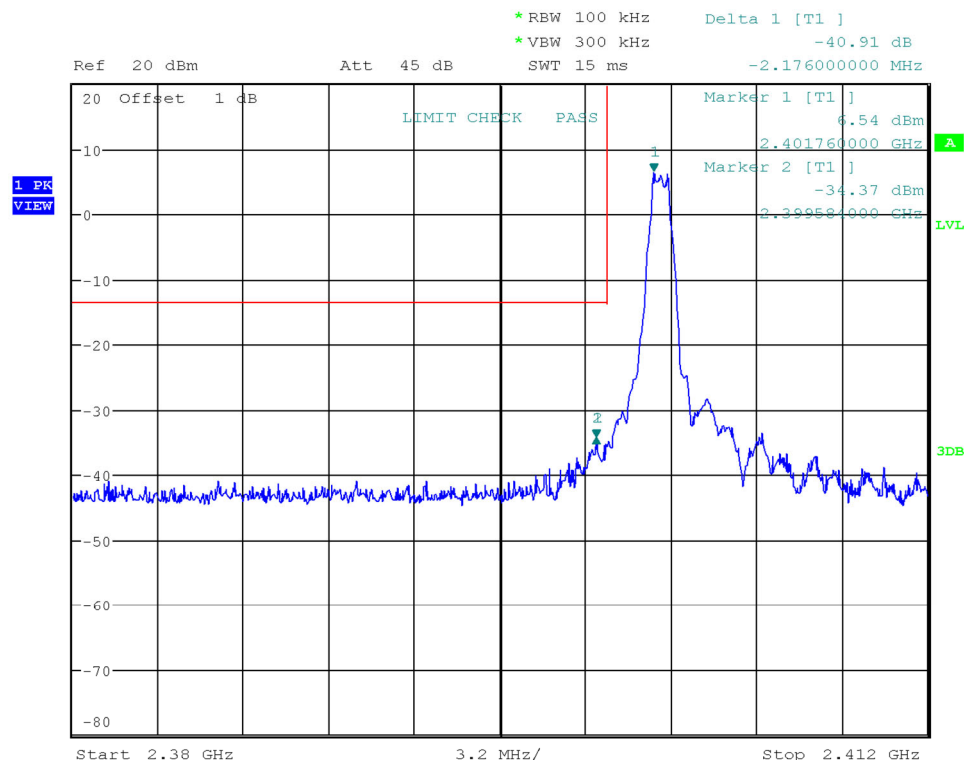
| Test Procedure                                                                                                                                                                                                                                                                                                                                                                                                                        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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> |

### 3.7.6 Results

| Test Results |               |                              |            |         |
|--------------|---------------|------------------------------|------------|---------|
| Mode         | Channel [MHz] | Out-of-band Attenuation [dB] | Limit [dB] | Verdict |
| GFSK         | 2402          | -40.91                       | -20        | PASS    |
| GFSK         | 2480          | -40.74                       | -20        | PASS    |

## Emissions in nonrestricted frequency bands at the Band-edge

Project Number: G0M-2103-9658  
 Applicant: Philip Morris Products S.A.  
 Model Description: Electronic Vaping System  
 Model: B-1603  
 Test Sample ID: 34116  
 Reference Standards: FCC 15.247, RSS-247  
 Reference Method: ANSI C63.10:2013, Section 7.8.6, 6.10.4  
 Operating Conditions: Tnom/Vnom  
 Operator: Florian Voigt  
 Test Site: Eurofins Product Service GmbH  
 Test Date: 2021-08-04  
 Band-edge: Lower  
 In-band Frequency [MHz]: 2401.76  
 Max. in-band Level [dBm/100 kHz]: 6.536  
 Out-of-band Frequency [MHz]: 2399.584  
 Max. out-of-band Level [dBm/100 kHz]: -34.369  
 Attenuation [dB]: -40.91



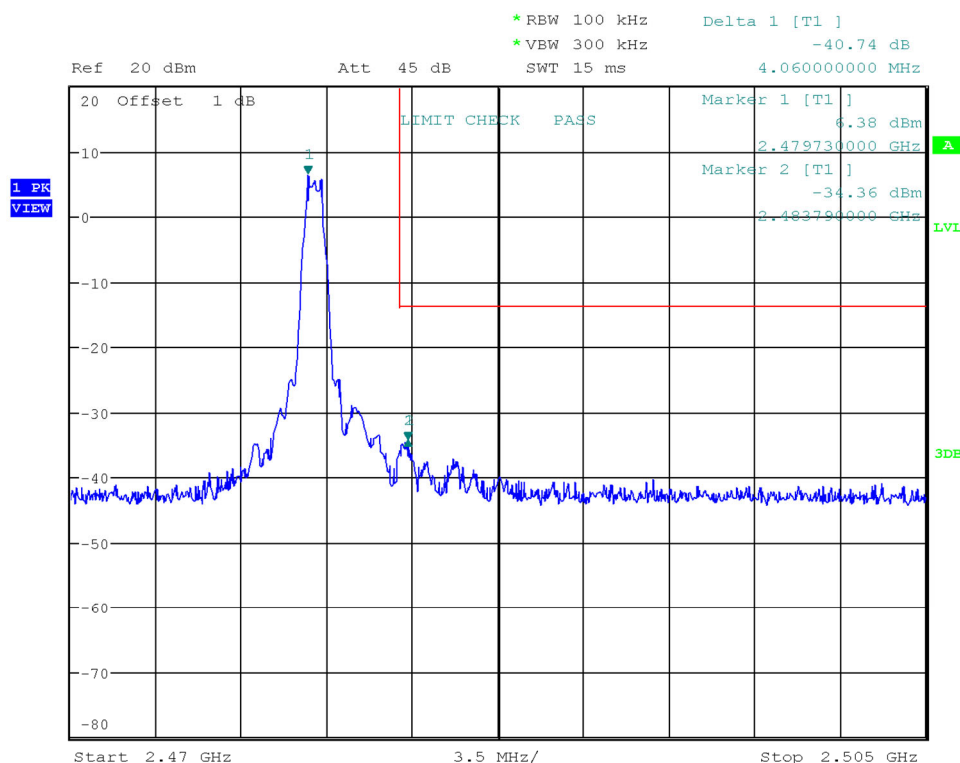
Date: 4.AUG.2021 23:50:02

Test Report No.: G0M-2103-9658-TFC247BL-V01

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

## Emissions in nonrestricted frequency bands at the Band-edge

Project Number: G0M-2103-9658  
 Applicant: Philip Morris Products S.A.  
 Model Description: Electronic Vaping System  
 Model: B-1603  
 Test Sample ID: 34116  
 Reference Standards: FCC 15.247, RSS-247  
 Reference Method: ANSI C63.10:2013, Section 7.8.6, 6.10.4  
 Operating Conditions: Tnom/Vnom  
 Operator: Florian Voigt  
 Test Site: Eurofins Product Service GmbH  
 Test Date: 2021-08-04  
 Band-edge: Upper  
 In-band Frequency [MHz]: 2479.73  
 Max. in-band Level [dBm/100 kHz]: 6.378  
 Out-of-band Frequency [MHz]: 2483.79  
 Max. out-of-band Level [dBm/100 kHz]: -34.364  
 Attenuation [dB]: -40.74



Date: 4.AUG.2021 23:51:02

Test Report No.: G0M-2103-9658-TFC247BL-V01

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



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

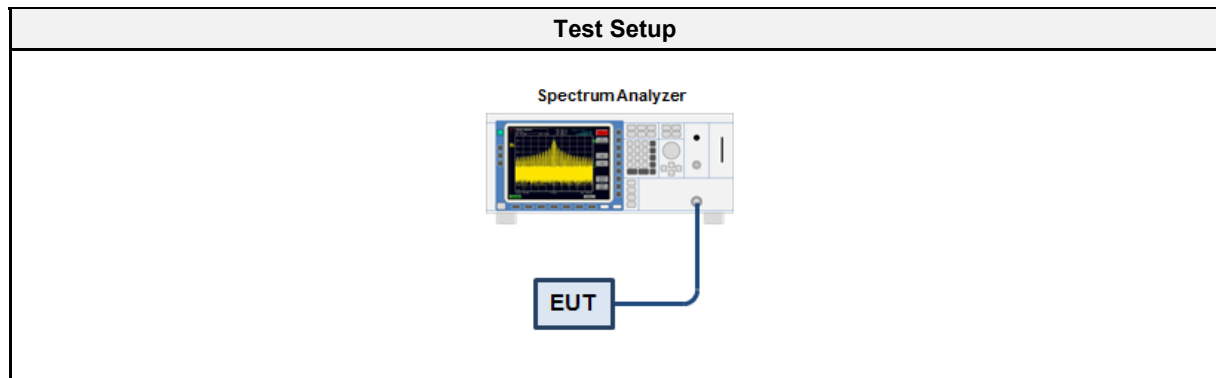
#### 3.8.1 Information

| Test Information        |                                                      |
|-------------------------|------------------------------------------------------|
| Reference               | FCC § 15.247(d); ISED RSS-247, Issue 2 (section 5.5) |
| Measurement Uncertainty | ± 4.25 dB                                            |
| Measurement Method      | ANSI C63.10 11.11                                    |
| Operator                | Florian Voigt                                        |
| Date                    | 2021-08-04                                           |

#### 3.8.2 Limits

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

#### 3.8.3 Setup



#### 3.8.4 Equipment

| Test Equipment    |              |             |               |           |          |
|-------------------|--------------|-------------|---------------|-----------|----------|
| Description       | Manufacturer | Model       | Identifier    | Cal. Date | Cal. Due |
| Spectrum Analyser | R&S          | FSU 26      | EF01709       | 2021-02   | 2022-02  |
| Cable (diverse)   | – (diverse)  | – (diverse) | EF00779 CAABQ | 2020-12   | 2021-12  |

#### 3.8.5 Procedure

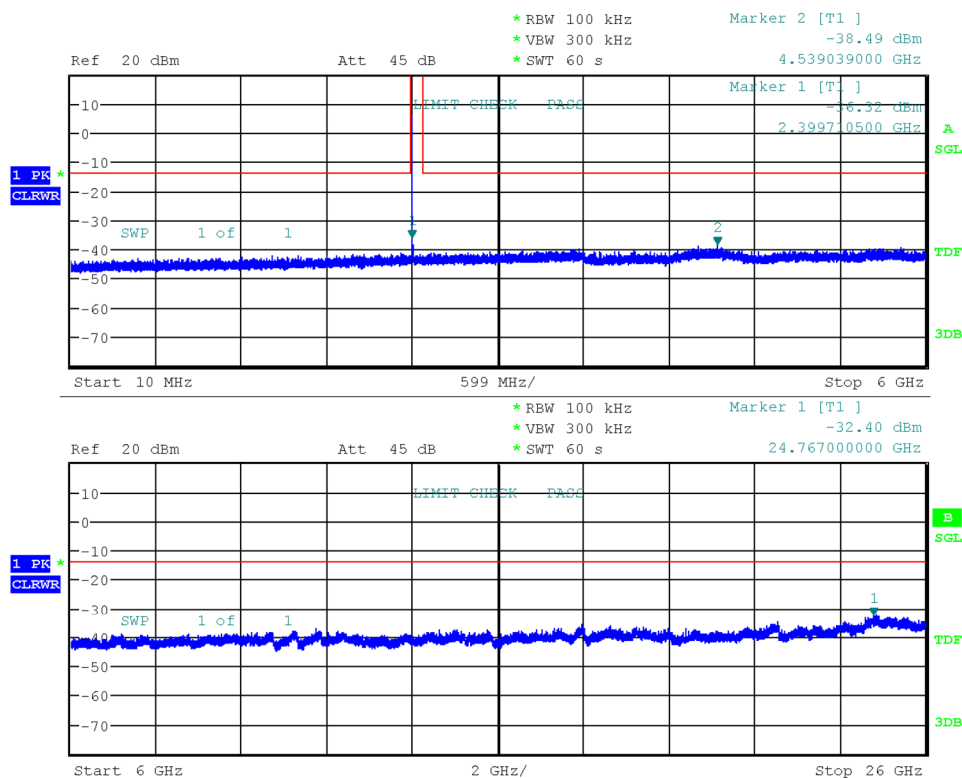
| Test Procedure                                                                                                                                                                                                                                                                                                                        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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 outside frequency band</li> </ol> |

### 3.8.6 Results

| Test Results |                  |         |
|--------------|------------------|---------|
| Mode         | Channel<br>[MHz] | Verdict |
| GFSK         | 2402             | PASS    |
| GFSK         | 2440             | PASS    |
| GFSK         | 2480             | PASS    |

## Conducted Spurious Emissions

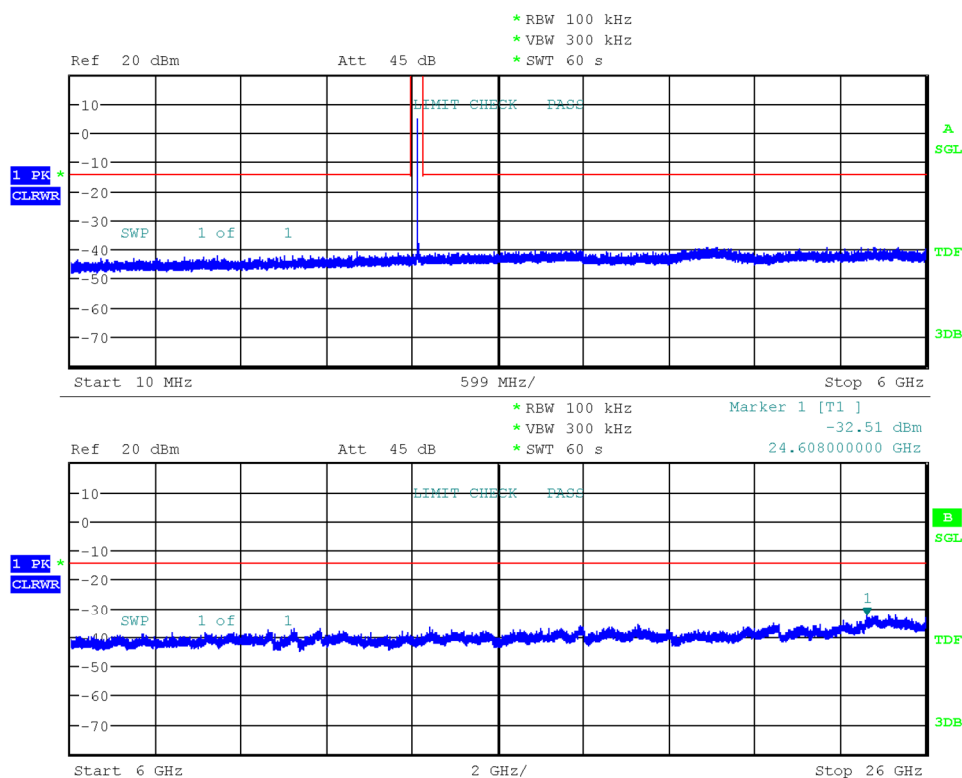
Project Number: G0M-2103-9658  
 Applicant: Philip Morris Products S.A.  
 Model Description: Electronic Vaping System  
 Model: B-1603  
 Test Sample ID: 34116  
 Reference Standards: FCC 15.247, RSS-247  
 Reference Method: ANSI C63.10:2013, Section 11.11  
 Operational Mode: GFSK, Channel: 0, 2402 MHz  
 Operating Conditions: Tnom/Vnom  
 Operator: Florian Voigt  
 Test Site: Eurofins Product Service GmbH  
 Test Date: 2021-08-04  
 Max. in-band Frequency [MHz]: 2401.8  
 Max. in-band Level [dBm/100 kHz]: 6.2  
 Out-of-band Limit [dBm/100 kHz]: -13.8



Date: 4.AUG.2021 23:58:45

## Conducted Spurious Emissions

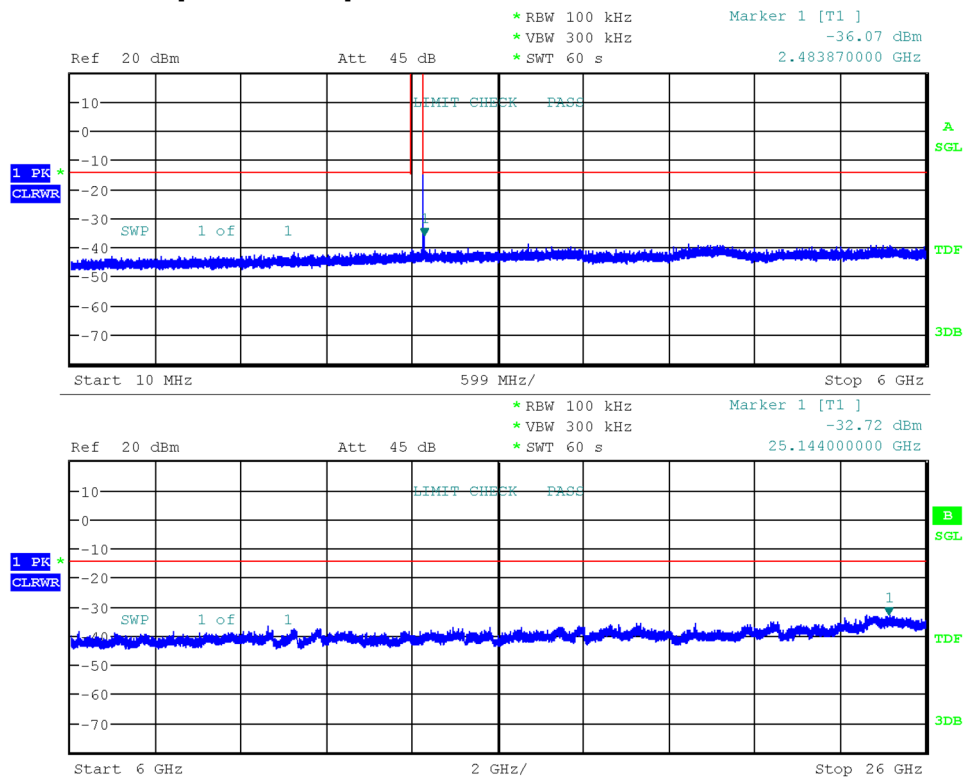
Project Number: G0M-2103-9658  
 Applicant: Philip Morris Products S.A.  
 Model Description: Electronic Vaping System  
 Model: B-1603  
 Test Sample ID: 34116  
 Reference Standards: FCC 15.247, RSS-247  
 Reference Method: ANSI C63.10:2013, Section 11.11  
 Operational Mode: GFSK, Channel: 19, 2440 MHz  
 Operating Conditions: Tnom/Vnom  
 Operator: Florian Voigt  
 Test Site: Eurofins Product Service GmbH  
 Test Date: 2021-08-04  
 Max. in-band Frequency [MHz]: 2439.7  
 Max. in-band Level [dBm/100 kHz]: 5.5  
 Out-of-band Limit [dBm/100 kHz]: -14.5



Date: 5.AUG.2021 00:02:04

## Conducted Spurious Emissions

Project Number: G0M-2103-9658  
 Applicant: Philip Morris Products S.A.  
 Model Description: Electronic Vaping System  
 Model: B-1603  
 Test Sample ID: 34116  
 Reference Standards: FCC 15.247, RSS-247  
 Reference Method: ANSI C63.10:2013, Section 11.11  
 Operational Mode: GFSK, Channel: 39, 2480 MHz  
 Operating Conditions: Tnom/Vnom  
 Operator: Florian Voigt  
 Test Site: Eurofins Product Service GmbH  
 Test Date: 2021-08-04  
 Max. in-band Frequency [MHz]: 2479.8  
 Max. in-band Level [dBm/100 kHz]: 5.9  
 Out-of-band Limit [dBm/100 kHz]: -14.1



Date: 5.AUG.2021 00:05:25

### 3.9 Test Conditions and Results - Transmitter radiated emissions with model B-1603

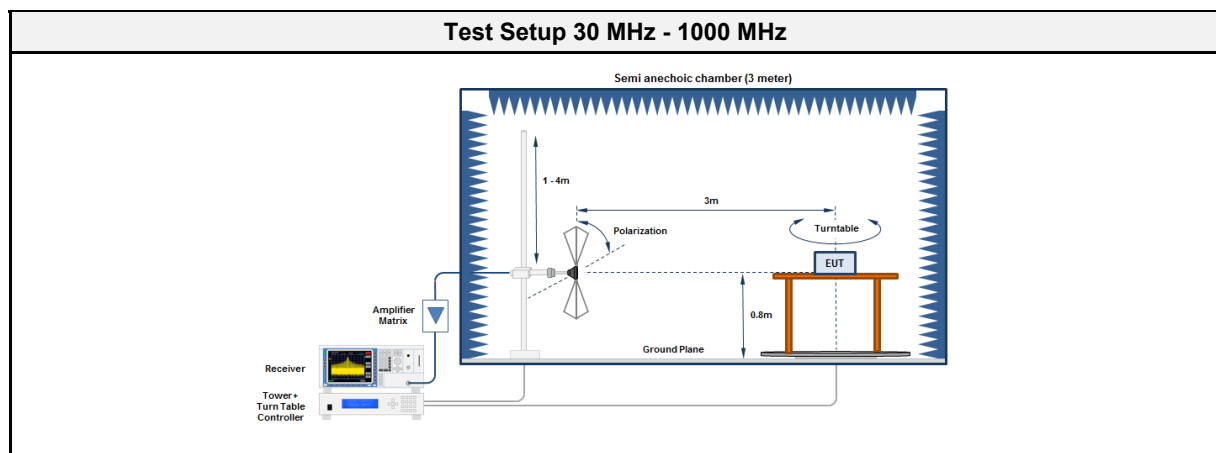
#### 3.9.1 Information

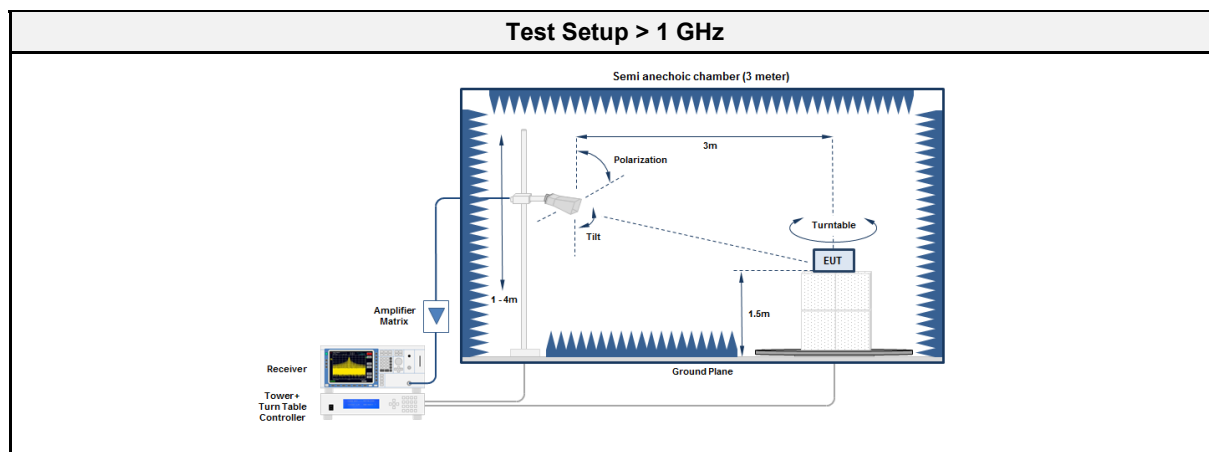
| Test Information                                                                                                                                                                                                                                                                                                                                                                      |                                                                      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|
| Reference                                                                                                                                                                                                                                                                                                                                                                             | FCC § 15.247(d); FCC § 15.209; ISSED RSS-Gen, Issue 5 (section 6.13) |
| Measurement Uncertainty                                                                                                                                                                                                                                                                                                                                                               | ± 5.95 dB                                                            |
| Measurement Method                                                                                                                                                                                                                                                                                                                                                                    | ANSI C63.10 6.4, 6.5, 6.6, 11.12                                     |
| Operator                                                                                                                                                                                                                                                                                                                                                                              | Florian Voigt                                                        |
| Date                                                                                                                                                                                                                                                                                                                                                                                  | 2021-08-03 - 2021-08-06                                              |
| Comment: Measurements above 1 GHz are premeasurements when level of detected emissions (Average/Peak) is 10dB or more below the corresponding limit lines. In case the level of detected emissions have less than 10dB margin to the corresponding limit lines, the EUT is rotated in 30-degree steps between 0 to 150 degree. Only the worst case result is included in this report. |                                                                      |

#### 3.9.2 Limits

| Limits                |            |                                    |                          |
|-----------------------|------------|------------------------------------|--------------------------|
| Frequency range [MHz] | Detector   | Field strength [ $\mu\text{V/m}$ ] | Measurement distance [m] |
| 0.009 - 0.09          | Average    | 2400/F[kHz]                        | 300                      |
| 0.09 - 0.110          | Quasi-Peak | 2400/F[kHz]                        | 300                      |
| 0.110 - 0.490         | Average    | 2400/F[kHz]                        | 300                      |
| 0.490 - 1.705         | Quasi-Peak | 24000/F[kHz]                       | 30                       |
| 1.705 - 30.0          | Quasi-Peak | 30                                 | 30                       |
| 30 - 88               | Quasi-Peak | 100                                | 3                        |
| 88 - 216              | Quasi-Peak | 150                                | 3                        |
| 216 - 960             | Quasi-Peak | 200                                | 3                        |
| 960 - 1000            | Quasi-Peak | 500                                | 3                        |
| >1000                 | Average    | 500                                | 3                        |

#### 3.9.3 Setup





### 3.9.4 Equipment

| Test Software |                  |            |          |
|---------------|------------------|------------|----------|
| Description   | Manufacturer     | Name       | Version  |
| EMC Software  | DARE Instruments | RadiMation | 2020.1.8 |

| Test Equipment 30 MHz - 1000 MHz |              |                |            |           |          |
|----------------------------------|--------------|----------------|------------|-----------|----------|
| Description                      | Manufacturer | Model          | Identifier | Cal. Date | Cal. Due |
| Anechoic Chamber                 | Frankonia    | AC1            | EF00062    | 2021-02   | 2024-02  |
| Measurement Receiver             | Agilent      | N9038A-526/WXP | EF01070    | 2021-07   | 2022-07  |
| Antenna                          | R&S          | HK 116         | EF00030    | 2021-05   | 2024-05  |
| Antenna                          | R&S          | HL 223         | EF00187    | 2019-05   | 2022-05  |

| Test Equipment > 1 GHz |                    |            |            |           |          |
|------------------------|--------------------|------------|------------|-----------|----------|
| Description            | Manufacturer       | Model      | Identifier | Cal. Date | Cal. Due |
| Anechoic chamber       | Frankonia          | AC 2       | EF01616    | 2021-05   | 2022-05  |
| Horn antenna           | Schwarzbeck        | BBHA 9120B | EF01678    | 2021-03   | 2022-03  |
| Horn Antenna           | Schwarzbeck        | HWRD 650   | EF01679    | 2021-03   | 2022-03  |
| Horn Antenna           | Amplifier Research | AT4560     | EF00302    | 2021-06   | 2023-06  |

### 3.9.5 Procedure

| Test Procedure 30 MHz - 1000 MHz                                                                                                                                                                                                                                                                                                                                                                                                                         |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <ol style="list-style-type: none"> <li>1. EUT is placed on a non conducting support at the center of a turn table 0.8 m above the ground</li> <li>2. EUT set to test mode</li> <li>3. The receiver is set to peak detection with max hold</li> <li>4. The EUT is rotated through 360° and the height of the antenna is varied from 1 m to 4 m</li> <li>5. All significant emissions are measured again using the corresponding final detector</li> </ol> |  |

| Test Procedure > 1 GHz                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <ol style="list-style-type: none"> <li>1. EUT is placed on a non conducting support at the center of a turn table 1.5 m above the ground</li> <li>2. EUT set to test mode</li> <li>3. The receiver is set to peak detection with max hold</li> <li>4. The EUT is rotated through 360° and the height of the antenna is varied from 1 m to 4 m</li> <li>5. All significant emissions are measured again using the corresponding final detector</li> </ol> |  |

## 3.9.6 Results

| Test Results  |                |                |      |      |                |             |
|---------------|----------------|----------------|------|------|----------------|-------------|
| Channel [MHz] | Emission [MHz] | Level [dBμV/m] | Det. | Pol. | Limit [dBμV/m] | Margin [dB] |
| 2402          | 149.9547       | 24.00          | qpk  | ver  | 43.50          | -19.52      |
| 2402          | 149.9607       | 30.40          | qpk  | hor  | 43.50          | -13.14      |
| 2402          | 1200.2         | 37.32          | pk   | ver  | 74.00          | -36.68      |
| 2402          | 1200.2         | 31.68          | avg  | ver  | 54.00          | -22.32      |
| 2402          | 1440.2         | 37.33          | pk   | ver  | 74.00          | -36.67      |
| 2402          | 1440.2         | 32.43          | avg  | ver  | 54.00          | -21.57      |
| 2402          | 2385.9         | 33.56          | pk   | hor  | 74.00          | -40.44      |
| 2402          | 2385.9         | 24.25          | avg  | hor  | 54.00          | -29.75      |
| 2402          | 2386           | 35.08          | pk   | ver  | 74.00          | -38.92      |
| 2402          | 2386           | 22.38          | avg  | ver  | 54.00          | -31.62      |
| 2402          | 4803.8         | 46.40          | pk   | hor  | 74.00          | -27.60      |
| 2402          | 4803.8         | 41.66          | avg  | hor  | 54.00          | -12.34      |
| 2402          | 4804.1         | 46.46          | pk   | ver  | 74.00          | -27.54      |
| 2402          | 4804.1         | 41.76          | avg  | ver  | 54.00          | -12.24      |
| 2402          | 12009          | 44.31          | pk   | hor  | 74.00          | -29.69      |
| 2402          | 12009          | 37.04          | avg  | hor  | 54.00          | -16.96      |
| 2402          | 12009          | 49.13          | pk   | ver  | 74.00          | -24.87      |
| 2402          | 12009          | 42.96          | avg  | ver  | 54.00          | -11.04      |
| 2402          | 19214          | 47.40          | pk   | hor  | 74.00          | -26.60      |
| 2402          | 19214          | 41.89          | avg  | hor  | 54.00          | -12.11      |
| 2402          | 19214          | 49.40          | pk   | ver  | 74.00          | -24.60      |
| 2402          | 19214          | 43.11          | avg  | ver  | 54.00          | -10.89      |
| 2440          | 149.9067       | 28.00          | qpk  | hor  | 43.50          | -15.48      |
| 2440          | 4879.6         | 41.99          | pk   | hor  | 74.00          | -32.01      |
| 2440          | 4879.6         | 37.09          | avg  | hor  | 54.00          | -16.91      |
| 2440          | 4879.8         | 47.82          | pk   | ver  | 74.00          | -26.18      |
| 2440          | 4879.8         | 43.60          | avg  | ver  | 54.00          | -10.40      |
| 2440          | 7319.3         | 41.49          | pk   | hor  | 74.00          | -32.51      |
| 2440          | 7319.3         | 35.40          | avg  | hor  | 54.00          | -18.60      |
| 2440          | 7319.3         | 44.36          | pk   | ver  | 74.00          | -29.64      |
| 2440          | 7319.3         | 36.86          | avg  | ver  | 54.00          | -17.14      |
| 2440          | 12199          | 43.76          | pk   | hor  | 74.00          | -30.24      |
| 2440          | 12199          | 37.13          | avg  | hor  | 54.00          | -16.87      |
| 2440          | 12199          | 45.10          | pk   | ver  | 74.00          | -28.90      |
| 2440          | 12199          | 38.58          | avg  | ver  | 54.00          | -15.42      |
| 2440          | 19518          | 48.37          | pk   | hor  | 74.00          | -25.63      |
| 2440          | 19518          | 42.38          | avg  | hor  | 54.00          | -11.62      |
| 2440          | 19522          | 47.81          | pk   | ver  | 74.00          | -26.19      |
| 2440          | 19522          | 40.15          | avg  | ver  | 54.00          | -13.85      |



|      |          |       |     |     |       |        |
|------|----------|-------|-----|-----|-------|--------|
| 2480 | 150.0207 | 28.50 | qpk | hor | 43.50 | -15.03 |
| 2480 | 1200     | 38.00 | pk  | ver | 74.00 | -36.00 |
| 2480 | 1200     | 32.58 | avg | ver | 54.00 | -21.42 |
| 2480 | 1440     | 37.45 | pk  | ver | 74.00 | -36.55 |
| 2480 | 1440     | 32.74 | avg | ver | 54.00 | -21.26 |
| 2480 | 2483.7   | 58.56 | pk  | hor | 74.00 | -15.44 |
| 2480 | 2483.7   | 29.15 | avg | hor | 54.00 | -24.85 |
| 2480 | 2483.7   | 54.41 | pk  | ver | 74.00 | -19.59 |
| 2480 | 2483.7   | 25.83 | avg | ver | 54.00 | -28.17 |
| 2480 | 4960     | 44.97 | pk  | ver | 74.00 | -29.03 |
| 2480 | 4960     | 38.92 | avg | ver | 54.00 | -15.08 |
| 2480 | 7439     | 49.04 | pk  | hor | 74.00 | -24.96 |
| 2480 | 7439     | 42.31 | avg | hor | 54.00 | -11.69 |
| 2480 | 7439     | 48.86 | pk  | ver | 74.00 | -25.14 |
| 2480 | 7439     | 43.13 | avg | ver | 54.00 | -10.87 |
| 2480 | 12399    | 45.17 | pk  | hor | 74.00 | -28.83 |
| 2480 | 12399    | 36.94 | avg | hor | 54.00 | -17.06 |
| 2480 | 12399    | 41.62 | pk  | ver | 74.00 | -32.38 |
| 2480 | 12399    | 35.01 | avg | ver | 54.00 | -18.99 |
| 2480 | 19838    | 47.22 | pk  | hor | 74.00 | -26.78 |
| 2480 | 19838    | 39.96 | avg | hor | 54.00 | -14.04 |
| 2480 | 19838    | 45.51 | pk  | ver | 74.00 | -28.49 |
| 2480 | 19838    | 38.30 | avg | ver | 54.00 | -15.70 |

### 3.10 Test Conditions and Results - Transmitter radiated emissions with model B-1603 (Malaysia Production)

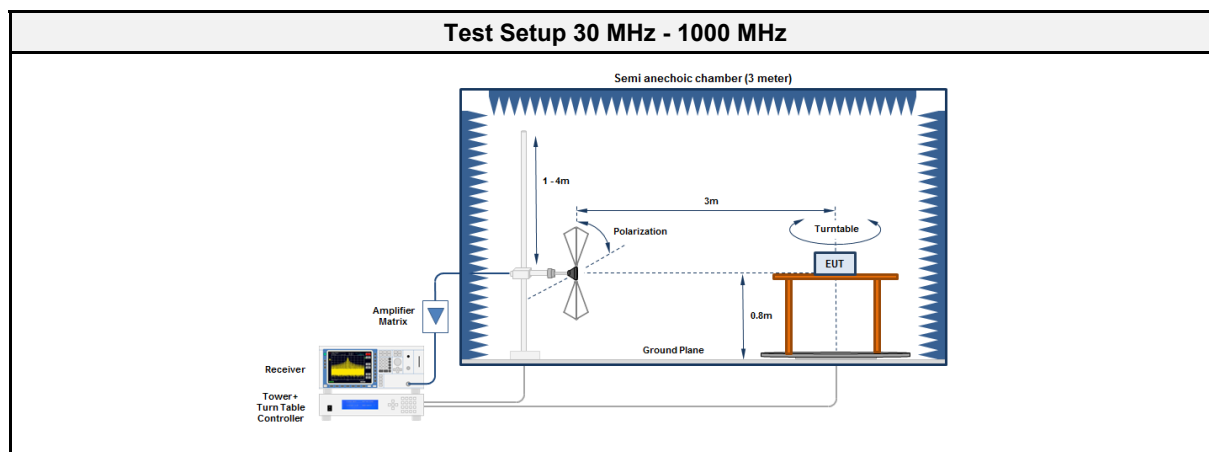
#### 3.10.1 Information

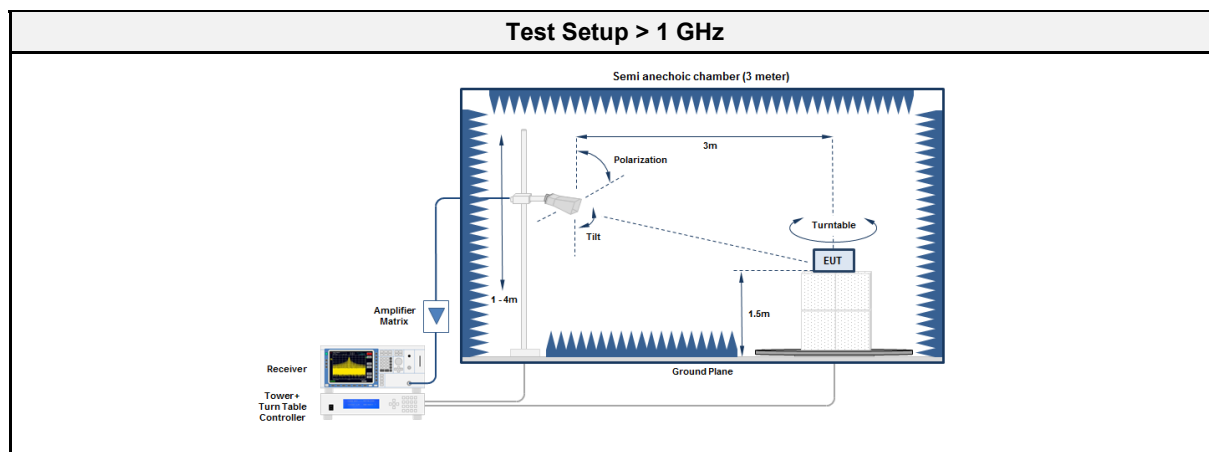
| Test Information                                                                                                                                                                                                                                                                                                                                                                       |                                                                      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|
| Reference                                                                                                                                                                                                                                                                                                                                                                              | FCC § 15.247(d); FCC § 15.209; ISSED RSS-Gen, Issue 5 (section 6.13) |
| Measurement Uncertainty                                                                                                                                                                                                                                                                                                                                                                | ± 5.95 dB                                                            |
| Measurement Method                                                                                                                                                                                                                                                                                                                                                                     | ANSI C63.10 6.4, 6.5, 6.6, 11.12                                     |
| Operator                                                                                                                                                                                                                                                                                                                                                                               | Florian Voigt                                                        |
| Date                                                                                                                                                                                                                                                                                                                                                                                   | 2021-08-03 - 2021-08-09                                              |
| Comment: Measurements above 1 GHz are pre-measurements when level of detected emissions (Average/Peak) is 10dB or more below the corresponding limit lines. In case the level of detected emissions have less than 10dB margin to the corresponding limit lines, the EUT is rotated in 30-degree steps between 0 to 150 degree. Only the worst case result is included in this report. |                                                                      |

#### 3.10.2 Limits

| Limits                |            |                                    |                          |
|-----------------------|------------|------------------------------------|--------------------------|
| Frequency range [MHz] | Detector   | Field strength [ $\mu\text{V/m}$ ] | Measurement distance [m] |
| 0.009 - 0.09          | Average    | 2400/F[kHz]                        | 300                      |
| 0.09 - 0.110          | Quasi-Peak | 2400/F[kHz]                        | 300                      |
| 0.110 - 0.490         | Average    | 2400/F[kHz]                        | 300                      |
| 0.490 - 1.705         | Quasi-Peak | 24000/F[kHz]                       | 30                       |
| 1.705 - 30.0          | Quasi-Peak | 30                                 | 30                       |
| 30 - 88               | Quasi-Peak | 100                                | 3                        |
| 88 - 216              | Quasi-Peak | 150                                | 3                        |
| 216 - 960             | Quasi-Peak | 200                                | 3                        |
| 960 - 1000            | Quasi-Peak | 500                                | 3                        |
| >1000                 | Average    | 500                                | 3                        |

#### 3.10.3 Setup





### 3.10.4 Equipment

| Test Software |                  |            |          |
|---------------|------------------|------------|----------|
| Description   | Manufacturer     | Name       | Version  |
| EMC Software  | DARE Instruments | RadiMation | 2020.1.8 |

| Test Equipment 30 MHz - 1000 MHz |              |                |            |           |          |
|----------------------------------|--------------|----------------|------------|-----------|----------|
| Description                      | Manufacturer | Model          | Identifier | Cal. Date | Cal. Due |
| Anechoic Chamber                 | Frankonia    | AC1            | EF00062    | 2021-02   | 2024-02  |
| Measurement Receiver             | Agilent      | N9038A-526/WXP | EF01070    | 2021-07   | 2022-07  |
| Antenna                          | R&S          | HK 116         | EF00030    | 2021-05   | 2024-05  |
| Antenna                          | R&S          | HL 223         | EF00187    | 2019-05   | 2022-05  |

| Test Equipment > 1 GHz |                    |            |            |           |          |
|------------------------|--------------------|------------|------------|-----------|----------|
| Description            | Manufacturer       | Model      | Identifier | Cal. Date | Cal. Due |
| Anechoic chamber       | Frankonia          | AC 2       | EF01616    | 2021-05   | 2022-05  |
| Horn antenna           | Schwarzbeck        | BBHA 9120B | EF01678    | 2021-03   | 2022-03  |
| Horn Antenna           | Schwarzbeck        | HWRD 650   | EF01679    | 2021-03   | 2022-03  |
| Horn Antenna           | Amplifier Research | AT4560     | EF00302    | 2021-06   | 2023-06  |

### 3.10.5 Procedure

| Test Procedure 30 MHz - 1000 MHz                                                                                                                                                                                                                                                                                                                                                                                                                         |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ol style="list-style-type: none"> <li>1. EUT is placed on a non conducting support at the center of a turn table 0.8 m above the ground</li> <li>2. EUT set to test mode</li> <li>3. The receiver is set to peak detection with max hold</li> <li>4. The EUT is rotated through 360° and the height of the antenna is varied from 1 m to 4 m</li> <li>5. All significant emissions are measured again using the corresponding final detector</li> </ol> |

| Test Procedure > 1 GHz                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ol style="list-style-type: none"> <li>1. EUT is placed on a non conducting support at the center of a turn table 1.5 m above the ground</li> <li>2. EUT set to test mode</li> <li>3. The receiver is set to peak detection with max hold</li> <li>4. The EUT is rotated through 360° and the height of the antenna is varied from 1 m to 4 m</li> <li>5. All significant emissions are measured again using the corresponding final detector</li> </ol> |

## 3.10.6 Results

| Test Results  |                |                |      |      |                |             |
|---------------|----------------|----------------|------|------|----------------|-------------|
| Channel [MHz] | Emission [MHz] | Level [dBμV/m] | Det. | Pol. | Limit [dBμV/m] | Margin [dB] |
| 2402          | 149.9487       | 28.10          | qpk  | hor  | 43.50          | -15.40      |
| 2402          | 2386           | 36.84          | pk   | hor  | 74.00          | -37.16      |
| 2402          | 2386           | 23.88          | avg  | hor  | 54.00          | -30.12      |
| 2402          | 2386           | 37.23          | pk   | ver  | 74.00          | -36.77      |
| 2402          | 2386           | 23.97          | avg  | ver  | 54.00          | -30.03      |
| 2402          | 4803.5         | 43.63          | pk   | hor  | 74.00          | -30.37      |
| 2402          | 4803.5         | 37.57          | avg  | hor  | 54.00          | -16.43      |
| 2402          | 4804           | 42.86          | pk   | ver  | 74.00          | -31.14      |
| 2402          | 4804           | 38.28          | avg  | ver  | 54.00          | -15.72      |
| 2402          | 12009          | 44.51          | pk   | hor  | 74.00          | -29.49      |
| 2402          | 12009          | 39.19          | avg  | hor  | 54.00          | -14.81      |
| 2402          | 12009          | 42.93          | pk   | ver  | 74.00          | -31.07      |
| 2402          | 12009          | 36.20          | avg  | ver  | 54.00          | -17.80      |
| 2402          | 19214          | 52.07          | pk   | ver  | 74.00          | -21.93      |
| 2402          | 19214          | 45.34          | avg  | ver  | 54.00          | -08.66      |
| 2402          | 19214          | 54.13          | pk   | hor  | 74.00          | -19.87      |
| 2402          | 19214          | 47.66          | avg  | hor  | 54.00          | -06.34      |
| 2440          | 149.9247       | 27.30          | qpk  | hor  | 43.50          | -16.24      |
| 2440          | 4879.5         | 41.36          | pk   | hor  | 74.00          | -32.64      |
| 2440          | 4879.5         | 35.52          | avg  | hor  | 54.00          | -18.48      |
| 2440          | 4879.8         | 45.29          | pk   | ver  | 74.00          | -28.71      |
| 2440          | 4879.8         | 40.12          | avg  | ver  | 54.00          | -13.88      |
| 2440          | 7319.2         | 42.72          | pk   | hor  | 74.00          | -31.28      |
| 2440          | 7319.2         | 35.54          | avg  | hor  | 54.00          | -18.46      |
| 2440          | 7319.3         | 45.98          | pk   | ver  | 74.00          | -28.02      |
| 2440          | 7319.3         | 40.35          | avg  | ver  | 54.00          | -13.65      |
| 2440          | 12199          | 45.03          | pk   | hor  | 74.00          | -28.97      |
| 2440          | 12199          | 40.00          | avg  | hor  | 54.00          | -14.00      |
| 2440          | 12199          | 43.57          | pk   | ver  | 74.00          | -30.43      |
| 2440          | 12199          | 34.97          | avg  | ver  | 54.00          | -19.03      |
| 2440          | 19518          | 49.50          | pk   | hor  | 74.00          | -24.50      |
| 2440          | 19518          | 42.23          | avg  | hor  | 54.00          | -11.77      |
| 2440          | 19518          | 51.63          | pk   | ver  | 74.00          | -22.37      |
| 2440          | 19518          | 43.74          | avg  | ver  | 54.00          | -10.26      |

|      |          |       |     |     |       |        |
|------|----------|-------|-----|-----|-------|--------|
| 2480 | 149.9247 | 27.20 | qpk | hor | 43.50 | -16.30 |
| 2480 | 2483.5   | 55.57 | pk  | hor | 74.00 | -18.43 |
| 2480 | 2483.5   | 27.45 | avg | hor | 54.00 | -26.55 |
| 2480 | 2483.7   | 57.20 | pk  | ver | 74.00 | -16.80 |
| 2480 | 2483.7   | 28.26 | avg | ver | 54.00 | -25.74 |
| 2480 | 4959     | 42.17 | pk  | hor | 74.00 | -31.83 |
| 2480 | 4959     | 37.08 | avg | hor | 54.00 | -16.92 |
| 2480 | 4960     | 42.93 | pk  | ver | 74.00 | -31.07 |
| 2480 | 4960     | 39.13 | avg | ver | 54.00 | -14.87 |
| 2480 | 7439     | 48.66 | pk  | hor | 74.00 | -25.34 |
| 2480 | 7439     | 42.50 | avg | hor | 54.00 | -11.50 |
| 2480 | 7439     | 50.61 | pk  | ver | 74.00 | -23.39 |
| 2480 | 7439     | 43.92 | avg | ver | 54.00 | -10.08 |
| 2480 | 12399    | 44.60 | pk  | hor | 74.00 | -29.40 |
| 2480 | 12399    | 38.14 | avg | hor | 54.00 | -15.86 |
| 2480 | 12399    | 44.92 | pk  | ver | 74.00 | -29.08 |
| 2480 | 12399    | 39.32 | avg | ver | 54.00 | -14.68 |
| 2480 | 19838    | 45.36 | pk  | hor | 74.00 | -28.64 |
| 2480 | 19838    | 38.76 | avg | hor | 54.00 | -15.24 |
| 2480 | 19842    | 48.48 | pk  | ver | 74.00 | -25.52 |
| 2480 | 19842    | 40.71 | avg | ver | 54.00 | -13.29 |

### 3.11 Test Conditions and Results - Receiver radiated emissions with model B-1603

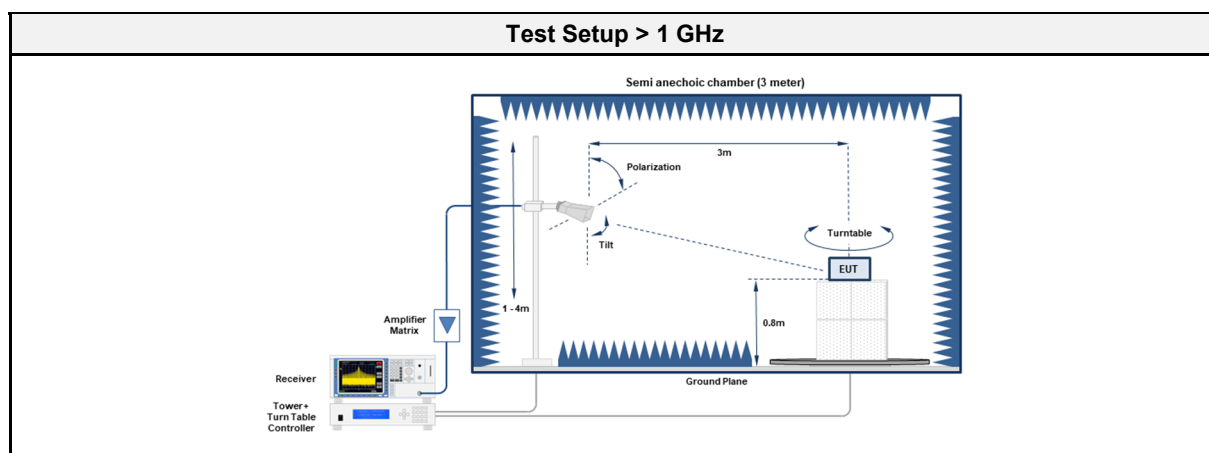
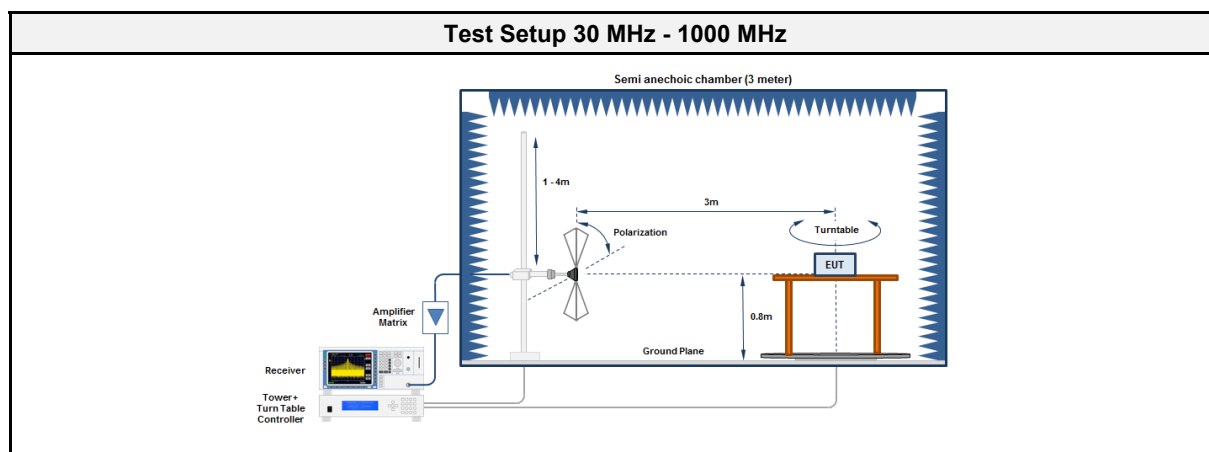
#### 3.11.1 Information

| Test Information        |                                     |
|-------------------------|-------------------------------------|
| Reference               | ISED RSS-247, Issue 2 (section 3.1) |
| Measurement Uncertainty | $\pm 5.95$ dB                       |
| Measurement Method      | ANSI C63.4-2014 8.1-8.3             |
| Operator                | Florian Voigt                       |
| Date                    | 2021-08-06                          |

#### 3.11.2 Limits

| Limits                |            |                                    |                          |
|-----------------------|------------|------------------------------------|--------------------------|
| Frequency range [MHz] | Detector   | Field strength [ $\mu\text{V/m}$ ] | Measurement distance [m] |
| 30 - 88               | Quasi-Peak | 100                                | 3                        |
| 88 - 216              | Quasi-Peak | 150                                | 3                        |
| 216 - 960             | Quasi-Peak | 200                                | 3                        |
| 960 - 1000            | Quasi-Peak | 500                                | 3                        |
| >1000                 | Average    | 500                                | 3                        |

#### 3.11.3 Setup



## 3.11.4 Equipment

| Test Software |                  |            |          |
|---------------|------------------|------------|----------|
| Description   | Manufacturer     | Name       | Version  |
| EMC Software  | DARE Instruments | RadiMation | 2020.1.8 |

| Test Equipment 30 MHz - 1000 MHz |              |                |            |           |          |
|----------------------------------|--------------|----------------|------------|-----------|----------|
| Description                      | Manufacturer | Model          | Identifier | Cal. Date | Cal. Due |
| Anechoic Chamber                 | Frankonia    | AC1            | EF00062    | 2021-02   | 2024-02  |
| Measurement Receiver             | Agilent      | N9038A-526/WXP | EF01070    | 2021-07   | 2022-07  |
| Antenna                          | R&S          | HK 116         | EF00030    | 2021-05   | 2024-05  |
| Antenna                          | R&S          | HL 223         | EF00187    | 2019-05   | 2022-05  |

| Test Equipment > 1 GHz |              |                |            |           |          |
|------------------------|--------------|----------------|------------|-----------|----------|
| Description            | Manufacturer | Model          | Identifier | Cal. Date | Cal. Due |
| Anechoic Chamber       | Frankonia    | AC1            | EF00062    | 2021-02   | 2024-02  |
| Measurement Receiver   | Agilent      | N9038A-526/WXP | EF01070    | 2021-07   | 2022-07  |
| Antenna                | Schwarzbeck  | BBHA 9120D     | EF00018    | 2019-10   | 2022-10  |
| Horn Antenna           | Schwarzbeck  | HWRD 650       | EF01679    | 2021-03   | 2022-03  |

## 3.11.5 Procedure

| Test Procedure 30 - 1000 MHz                                                                                                                                                                                                                                                                                                                                                                                                                             |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <ol style="list-style-type: none"> <li>1. EUT is placed on a non conducting support at the center of a turn table 0.8 m above the ground</li> <li>2. EUT set to test mode</li> <li>3. The receiver is set to peak detection with max hold</li> <li>4. The EUT is rotated through 360° and the height of the antenna is varied from 1 m to 4 m</li> <li>5. All significant emissions are measured again using the corresponding final detector</li> </ol> |  |

| Test Procedure > 1 GHz                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <ol style="list-style-type: none"> <li>1. EUT is placed on a non conducting support at the center of a turn table 1.5 m above the ground</li> <li>2. EUT set to test mode</li> <li>3. The receiver is set to peak detection with max hold</li> <li>4. The EUT is rotated through 360° and the height of the antenna is varied from 1 m to 4 m</li> <li>5. All significant emissions are measured again using the corresponding final detector</li> </ol> |  |

## 3.11.6 Results

| Test Results  |                |                |      |      |                |             |
|---------------|----------------|----------------|------|------|----------------|-------------|
| Channel [MHz] | Emission [MHz] | Level [dBμV/m] | Det. | Pol. | Limit [dBμV/m] | Margin [dB] |
| 2440          | 97.5962        | 19.50          | qpk  | ver  | 43.50          | -23.96      |
| 2440          | 4877           | 43.85          | pk   | ver  | 53.98          | -10.13      |
| 2440          | 4877           | 39.27          | avg  | ver  | 53.98          | -14.71      |

### 3.12 Test Conditions and Results - Receiver radiated emissions with model B-1603 (Malaysia Production)

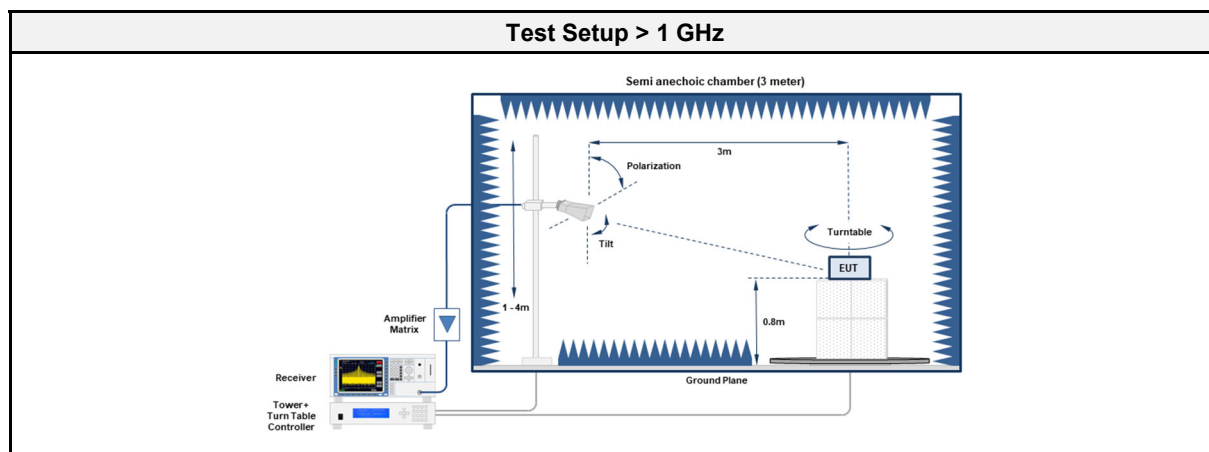
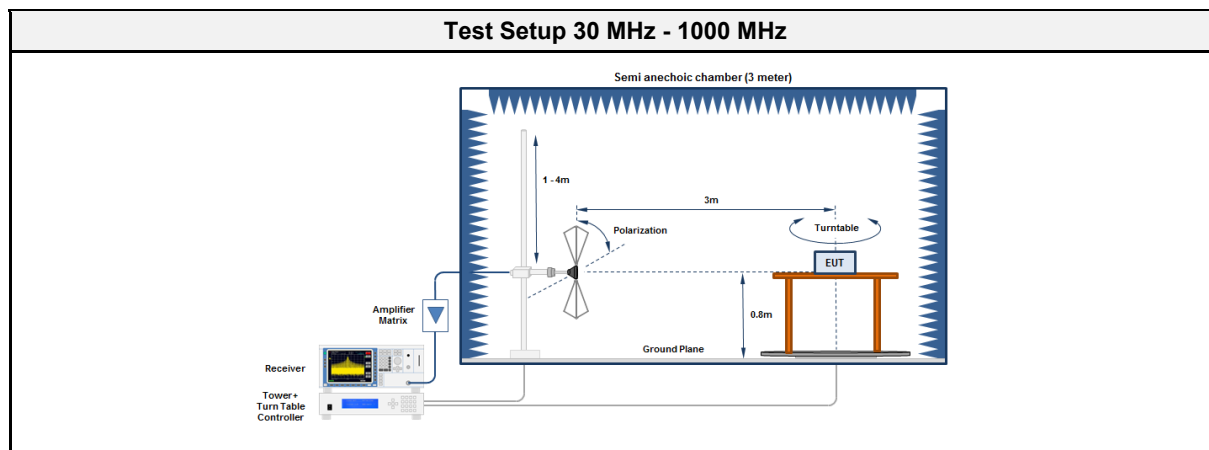
#### 3.12.1 Information

| Test Information        |                                     |
|-------------------------|-------------------------------------|
| Reference               | ISED RSS-247, Issue 2 (section 3.1) |
| Measurement Uncertainty | $\pm 5.95$ dB                       |
| Measurement Method      | ANSI C63.4-2014 8.1-8.3             |
| Operator                | Florian Voigt                       |
| Date                    | 2021-08-06                          |

#### 3.12.2 Limits

| Limits                |            |                                    |                          |
|-----------------------|------------|------------------------------------|--------------------------|
| Frequency range [MHz] | Detector   | Field strength [ $\mu\text{V/m}$ ] | Measurement distance [m] |
| 30 - 88               | Quasi-Peak | 100                                | 3                        |
| 88 - 216              | Quasi-Peak | 150                                | 3                        |
| 216 - 960             | Quasi-Peak | 200                                | 3                        |
| 960 - 1000            | Quasi-Peak | 500                                | 3                        |
| >1000                 | Average    | 500                                | 3                        |

#### 3.12.3 Setup





## 3.12.4 Equipment

| Test Software |                  |            |          |
|---------------|------------------|------------|----------|
| Description   | Manufacturer     | Name       | Version  |
| EMC Software  | DARE Instruments | RadiMation | 2020.1.8 |

| Test Equipment 30 MHz - 1000 MHz |              |                |            |           |          |
|----------------------------------|--------------|----------------|------------|-----------|----------|
| Description                      | Manufacturer | Model          | Identifier | Cal. Date | Cal. Due |
| Anechoic Chamber                 | Frankonia    | AC1            | EF00062    | 2021-02   | 2024-02  |
| Measurement Receiver             | Agilent      | N9038A-526/WXP | EF01070    | 2021-07   | 2022-07  |
| Antenna                          | R&S          | HK 116         | EF00030    | 2021-05   | 2024-05  |
| Antenna                          | R&S          | HL 223         | EF00187    | 2019-05   | 2022-05  |

| Test Equipment > 1 GHz |              |                |            |           |          |
|------------------------|--------------|----------------|------------|-----------|----------|
| Description            | Manufacturer | Model          | Identifier | Cal. Date | Cal. Due |
| Anechoic Chamber       | Frankonia    | AC1            | EF00062    | 2021-02   | 2024-02  |
| Measurement Receiver   | Agilent      | N9038A-526/WXP | EF01070    | 2021-07   | 2022-07  |
| Antenna                | Schwarzbeck  | BBHA 9120D     | EF00018    | 2019-10   | 2022-10  |
| Horn Antenna           | Schwarzbeck  | HWRD 650       | EF01679    | 2021-03   | 2022-03  |

## 3.12.5 Procedure

| Test Procedure 30 - 1000 MHz                                                                                                                                                                                                                                                                                                                                                                                                                             |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <ol style="list-style-type: none"> <li>1. EUT is placed on a non conducting support at the center of a turn table 0.8 m above the ground</li> <li>2. EUT set to test mode</li> <li>3. The receiver is set to peak detection with max hold</li> <li>4. The EUT is rotated through 360° and the height of the antenna is varied from 1 m to 4 m</li> <li>5. All significant emissions are measured again using the corresponding final detector</li> </ol> |  |

| Test Procedure > 1 GHz                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <ol style="list-style-type: none"> <li>1. EUT is placed on a non conducting support at the center of a turn table 1.5 m above the ground</li> <li>2. EUT set to test mode</li> <li>3. The receiver is set to peak detection with max hold</li> <li>4. The EUT is rotated through 360° and the height of the antenna is varied from 1 m to 4 m</li> <li>5. All significant emissions are measured again using the corresponding final detector</li> </ol> |  |

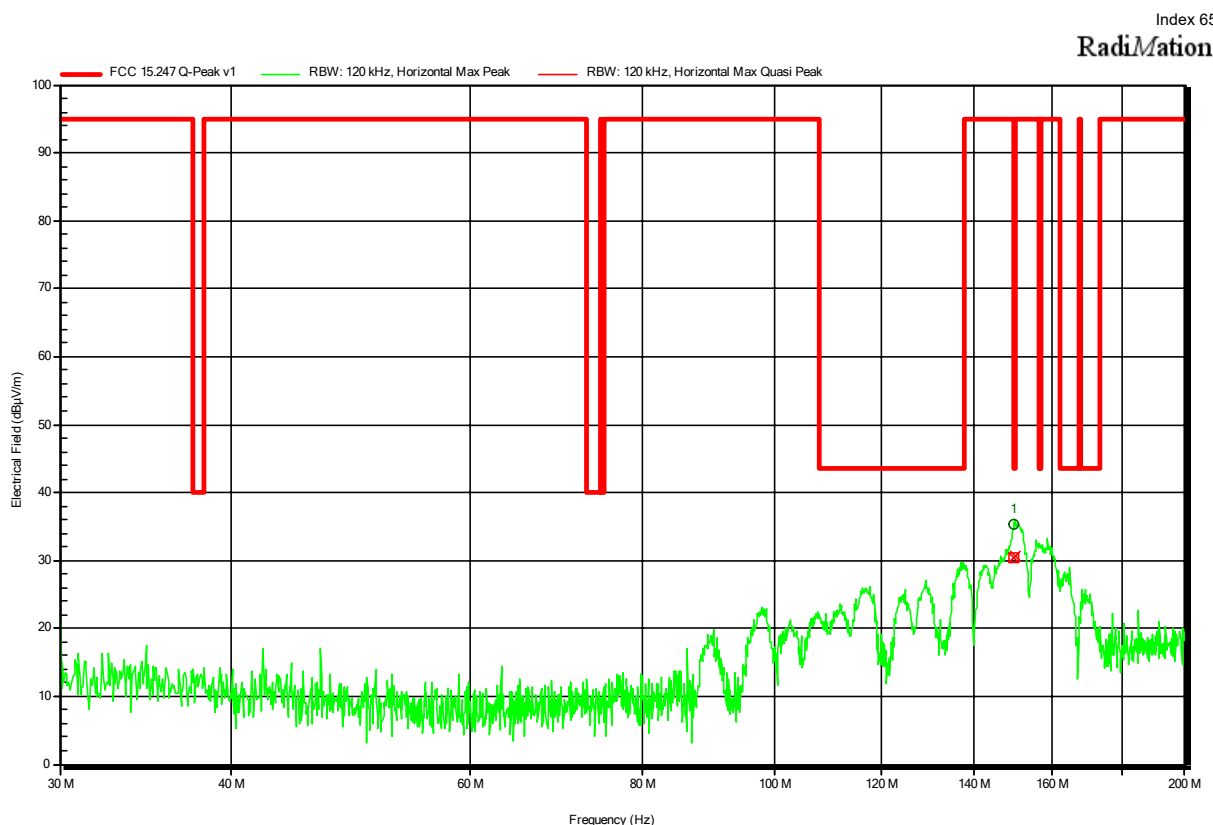
## 3.12.6 Results

| Test Results  |                |                |      |      |                |             |
|---------------|----------------|----------------|------|------|----------------|-------------|
| Channel [MHz] | Emission [MHz] | Level [dBμV/m] | Det. | Pol. | Limit [dBμV/m] | Margin [dB] |
| 2440          | 97.847         | 18.10          | qpk  | ver  | 43.50          | -25.38      |

## ANNEX A Transmitter spurious emissions

### Radiated Spurious Emissions according to RSS-247, 47 CFR Part 15.247

Project Number: G0M-2103-9658  
 Applicant: Philip Morris Products S.A.  
 Model Description: Electronic Vaping System  
 Model: B-1603  
 Test Sample ID: 34118  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Voigt  
 Measurement software: RadiMation, version 2020.1.8  
 Test Conditions: Tnom: 22 °Celsius, Vnom: 120V/60Hz converted to 5 VDC  
 Antenna: Rohde & Schwarz HK 116, Horizontal  
 Measurement distance: 3 m  
 Mode: Tx; BLE, 2402MHz, 2-GFSK, 1Mbps  
 Test Date: 2021-08-06  
 Note:

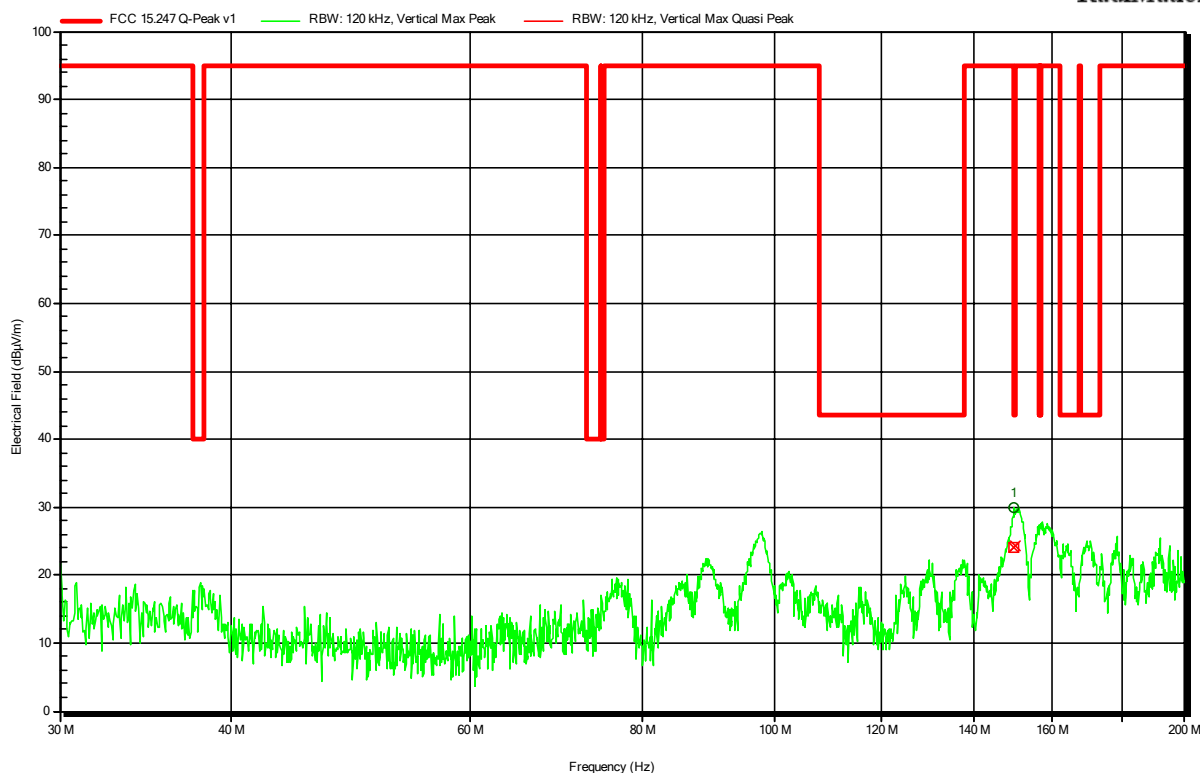


## Radiated Spurious Emissions according to RSS-247, 47 CFR Part 15.247

Project Number: G0M-2103-9658  
 Applicant: Philip Morris Products S.A.  
 Model Description: Electronic Vaping System  
 Model: B-1603  
 Test Sample ID: 34118  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Voigt  
 Measurement software: RadiMation, version 2020.1.8  
 Test Conditions: Tnom: 22 °Celsius, Vnom: 120V/60Hz converted to 5 VDC  
 Antenna: Rohde & Schwarz HK 116, Vertical  
 Measurement distance: 3 m  
 Mode: Tx; BLE, 2402MHz, 2-GFSK, 1Mbps  
 Test Date: 2021-08-06  
 Note:

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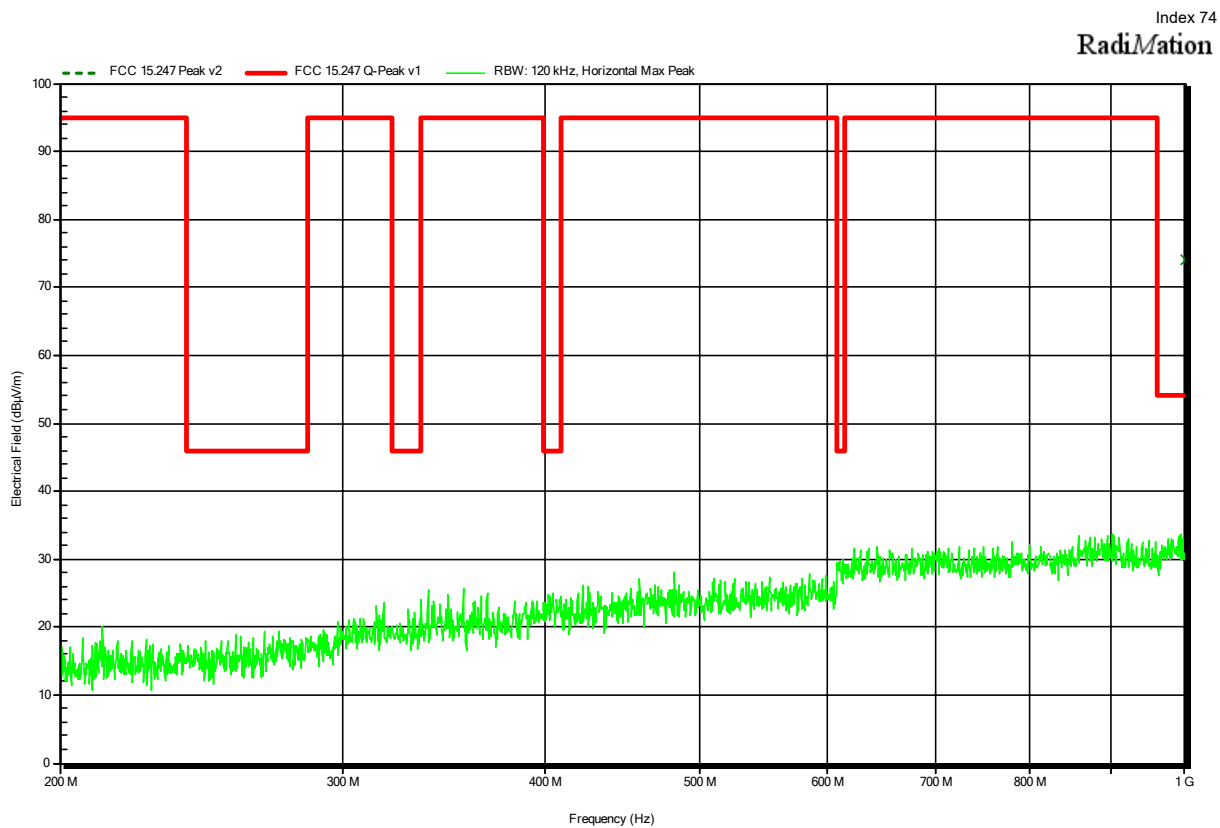
RadiMation



| Frequency    | Quasi-Peak | Quasi-Peak Limit | Quasi-Peak Difference | Quasi-Peak Status |
|--------------|------------|------------------|-----------------------|-------------------|
| 149.9547 MHz | 24 dBµV/m  | 43.5 dBµV/m      | -19.52 dB             | Pass              |

## Radiated Spurious Emissions according to RSS-247, 47 CFR Part 15.247

Project Number: G0M-2103-9658  
 Applicant: Philip Morris Products S.A.  
 Model Description: Electronic Vaping System  
 Model: B-1603  
 Test Sample ID: 34118  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Voigt  
 Measurement software: RadiMation, version 2020.1.8  
 Test Conditions: Tnom: 22 °Celsius, Vnom: 120V/60Hz converted to 5 VDC  
 Antenna: Rohde & Schwarz HL 223, Horizontal  
 Measurement distance: 3 m  
 Mode: Tx; BLE, 2402MHz, 2-GFSK, 1Mbps  
 Test Date: 2021-08-06  
 Note:

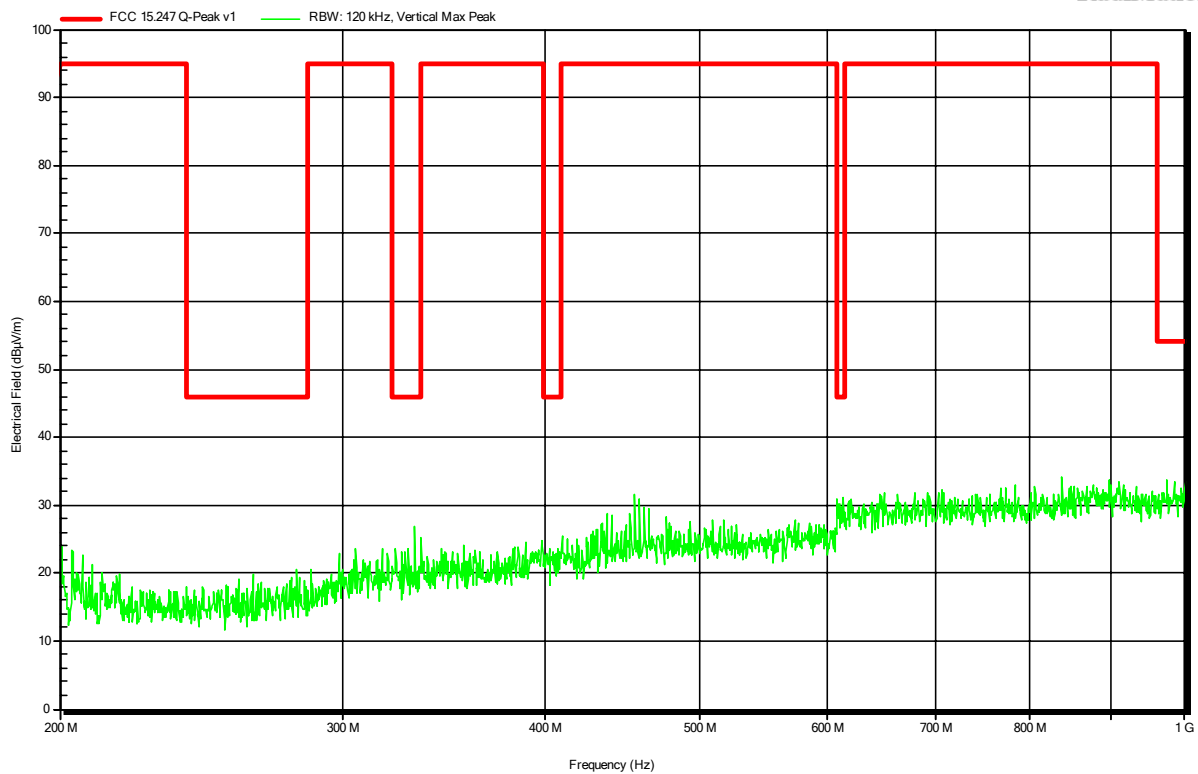


## Radiated Spurious Emissions according to RSS-247, 47 CFR Part 15.247

Project Number: G0M-2103-9658  
 Applicant: Philip Morris Products S.A.  
 Model Description: Electronic Vaping System  
 Model: B-1603  
 Test Sample ID: 34118  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Voigt  
 Measurement software: RadiMation, version 2020.1.8  
 Test Conditions: Tnom: 22 °Celsius, Vnom: 120V/60Hz converted to 5 VDC  
 Antenna: Rohde & Schwarz HL 223, Vertical  
 Measurement distance: 3 m  
 Mode: Tx; BLE, 2402MHz, 2-GFSK, 1Mbps  
 Test Date: 2021-08-06  
 Note:

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RadiMation

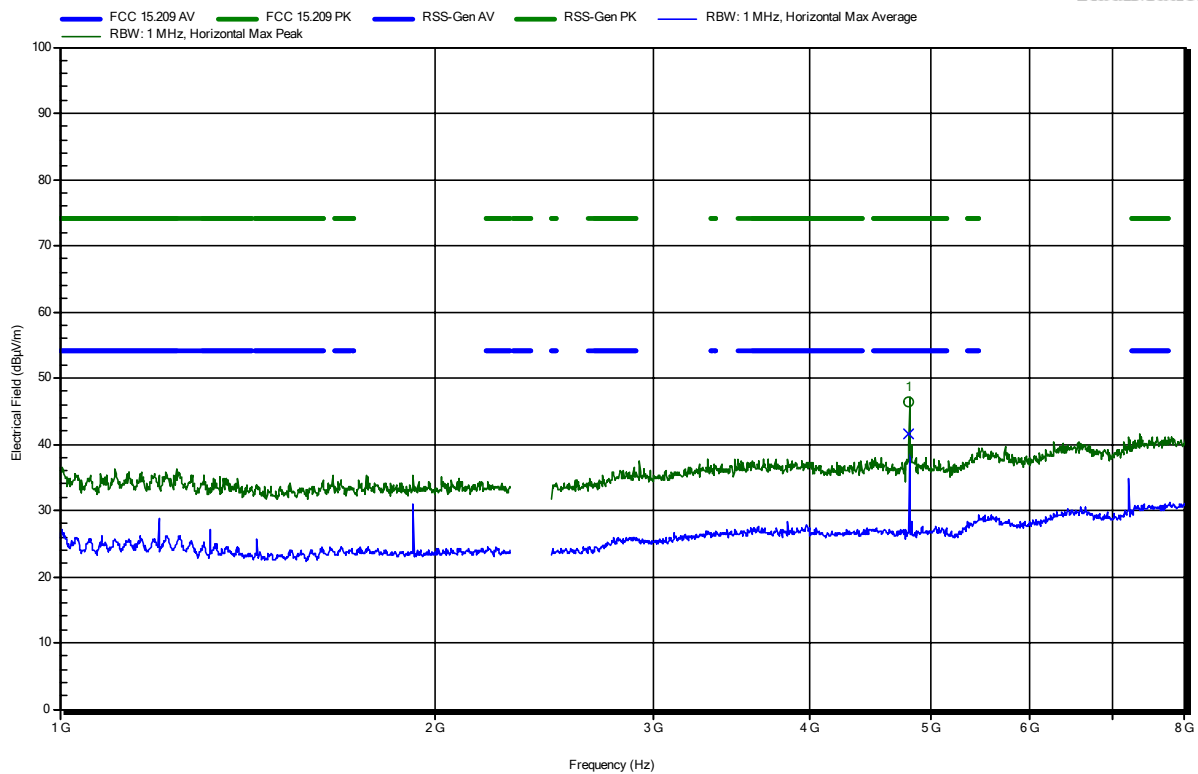


## Radiated Spurious Emissions according to RSS-247, 47 CFR Part 15.247

Project Number: G0M-2103-9658  
 Applicant: Philip Morris Products S.A.  
 Model Description: Electronic Vaping System  
 Model: B-1603  
 Test Sample ID: 34118  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Voigt  
 Measurement software: RadiMation, version 2020.1.8  
 Test Conditions: Tnom: 22 °Celsius, Vnom: 120V/60Hz converted to 5 VDC  
 Antenna: Schwarzbeck BBHA 9120B, Horizontal  
 Measurement distance: 3 m  
 Mode: Tx; BLE, 2402MHz, 2-GFSK, 1Mbps  
 Test Date: 2021-08-03  
 Note:

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RadiMation



|                         |                         |                            |                                 |                        |
|-------------------------|-------------------------|----------------------------|---------------------------------|------------------------|
| Frequency<br>4.8038 GHz | Peak<br>46.4 dBμV/m     | Peak Limit<br>74 dBμV/m    | Peak Difference<br>-27.6 dB     | Peak Status<br>Pass    |
| Frequency<br>4.8038 GHz | Average<br>41.66 dBμV/m | Average Limit<br>54 dBμV/m | Average Difference<br>-12.34 dB | Average Status<br>Pass |

Test Report No.: G0M-2103-9658-TFC247BL-V01

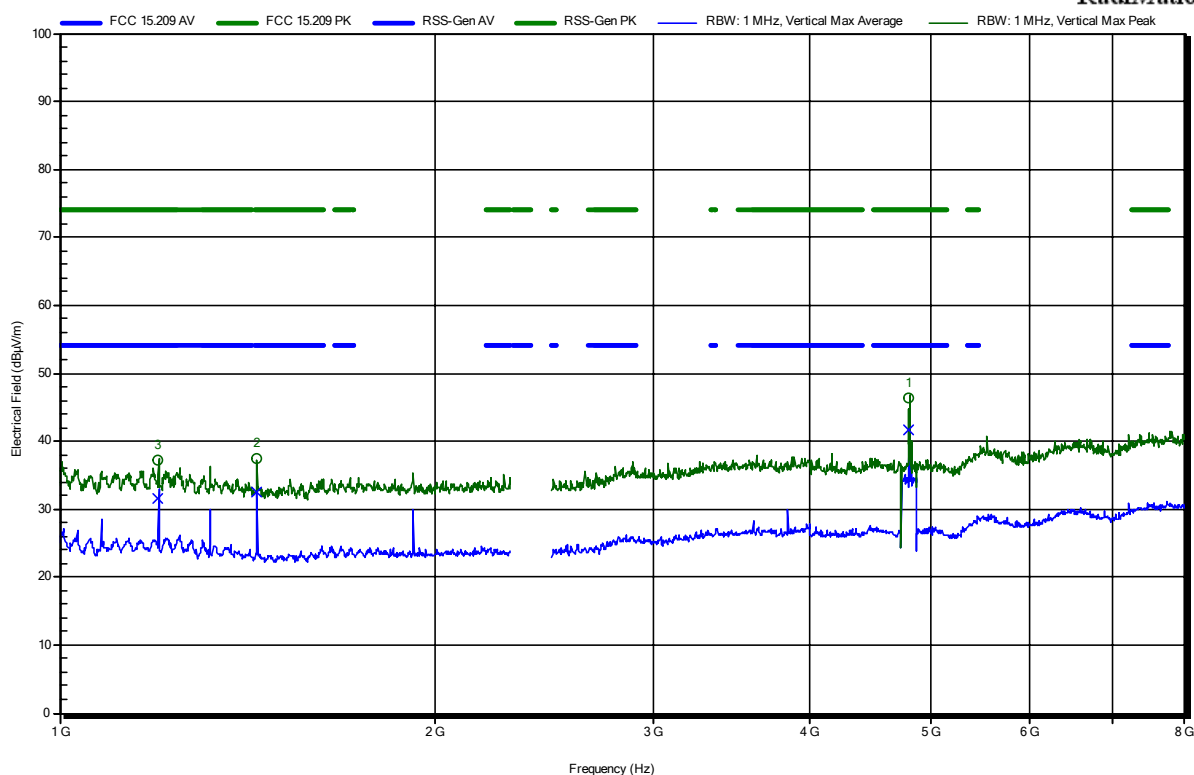
Eurofins Product Service GmbH  
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

## Radiated Spurious Emissions according to RSS-247, 47 CFR Part 15.247

Project Number: G0M-2103-9658  
 Applicant: Philip Morris Products S.A.  
 Model Description: Electronic Vaping System  
 Model: B-1603  
 Test Sample ID: 34118  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Voigt  
 Measurement software: RadiMation, version 2020.1.8  
 Test Conditions: Tnom: 22 °Celsius, Vnom: 120V/60Hz converted to 5 VDC  
 Antenna: Schwarzbeck BBHA 9120B, Vertical  
 Measurement distance: 3 m  
 Mode: Tx; BLE, 2402MHz, 2-GFSK, 1Mbps  
 Test Date: 2021-08-03  
 Note:

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| Frequency  | Peak         | Peak Limit | Peak Difference | Peak Status |
|------------|--------------|------------|-----------------|-------------|
| 1.2002 GHz | 37.32 dBμV/m | 74 dBμV/m  | -36.68 dB       | Pass        |
| 1.4402 GHz | 37.33 dBμV/m | 74 dBμV/m  | -36.67 dB       | Pass        |
| 4.8041 GHz | 46.46 dBμV/m | 74 dBμV/m  | -27.54 dB       | Pass        |

| Frequency  | Average      | Average Limit | Average Difference | Average Status |
|------------|--------------|---------------|--------------------|----------------|
| 1.2002 GHz | 31.68 dBμV/m | 54 dBμV/m     | -22.32 dB          | Pass           |
| 1.4402 GHz | 32.43 dBμV/m | 54 dBμV/m     | -21.57 dB          | Pass           |
| 4.8041 GHz | 41.76 dBμV/m | 54 dBμV/m     | -12.24 dB          | Pass           |

Test Report No.: G0M-2103-9658-TFC247BL-V01

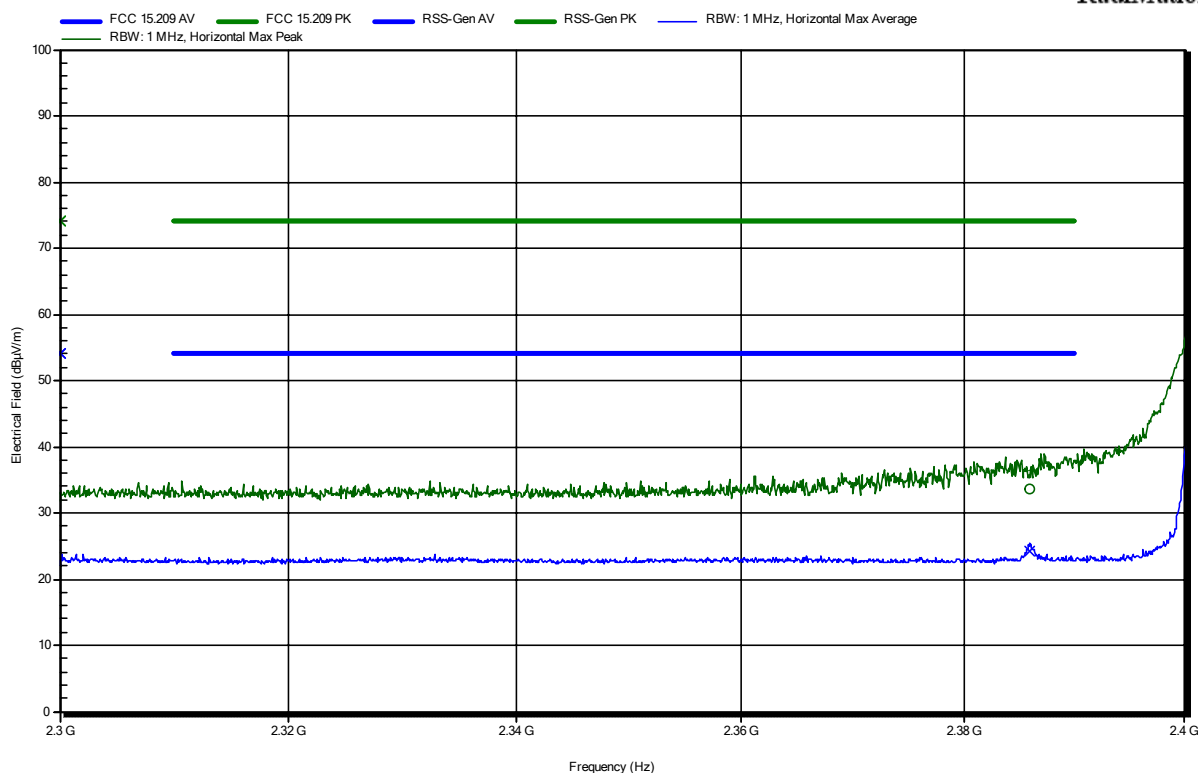
Eurofins Product Service GmbH  
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

# Radiated Spurious Emissions according to RSS-247, 47 CFR Part 15.247

Project Number: G0M-2103-9658  
 Applicant: Philip Morris Products S.A.  
 Model Description: Electronic Vaping System  
 Model: B-1603  
 Test Sample ID: 34118  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Voigt  
 Measurement software: RadiMation, version 2020.1.8  
 Test Conditions: Tnom: 22 °Celsius, Vnom: 120V/60Hz converted to 5 VDC  
 Antenna: Schwarzbeck BBHA 9120B, Horizontal  
 Measurement distance: 3 m  
 Mode: Tx; BLE, 2402MHz, 2-GFSK, 1Mbps  
 Test Date: 2021-08-03  
 Note: lower bandedge

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|                         |                         |                            |                                 |                        |
|-------------------------|-------------------------|----------------------------|---------------------------------|------------------------|
| Frequency<br>2.3859 GHz | Peak<br>33.56 dBμV/m    | Peak Limit<br>74 dBμV/m    | Peak Difference<br>-40.44 dB    | Peak Status<br>Pass    |
| Frequency<br>2.3859 GHz | Average<br>24.25 dBμV/m | Average Limit<br>54 dBμV/m | Average Difference<br>-29.75 dB | Average Status<br>Pass |

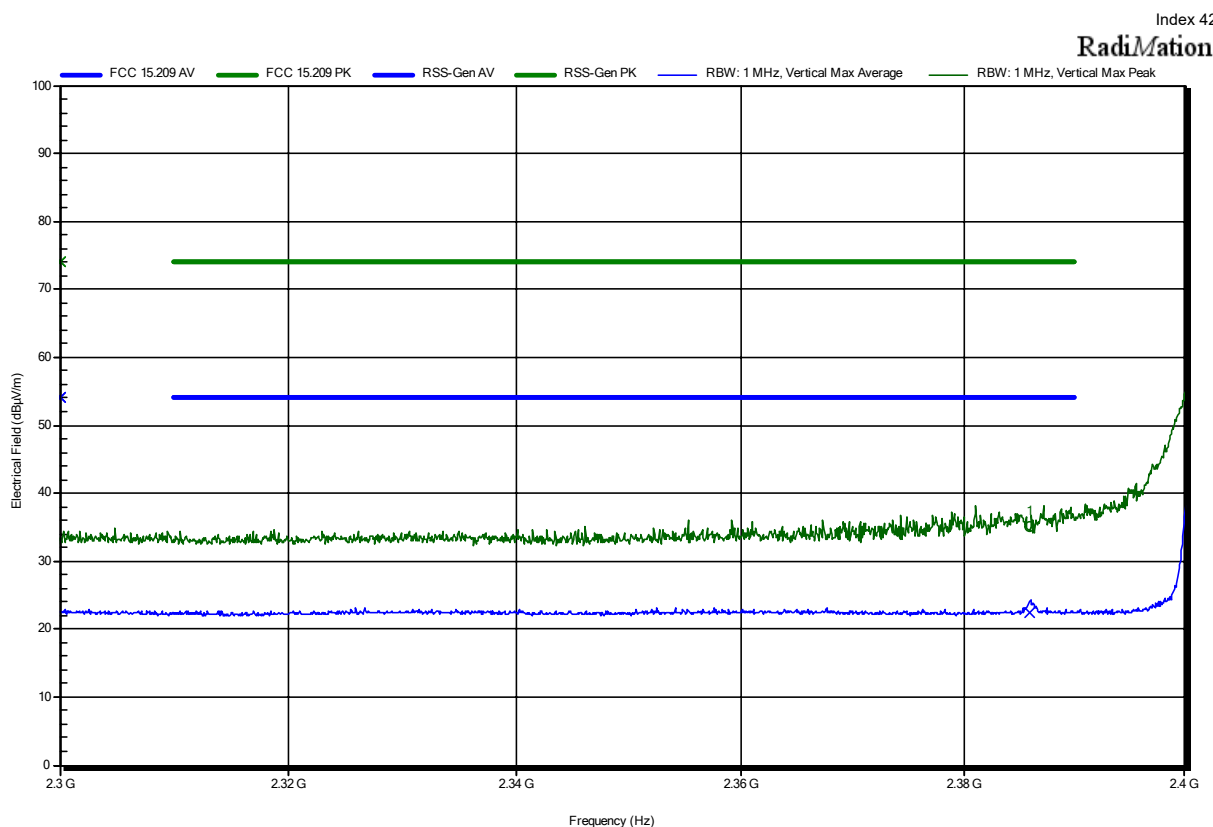
Test Report No.: G0M-2103-9658-TFC247BL-V01

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



## Radiated Spurious Emissions according to RSS-247, 47 CFR Part 15.247

Project Number: G0M-2103-9658  
 Applicant: Philip Morris Products S.A.  
 Model Description: Electronic Vaping System  
 Model: B-1603  
 Test Sample ID: 34118  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Voigt  
 Measurement software: RadiMation, version 2020.1.8  
 Test Conditions: Tnom: 22 °Celsius, Vnom: 120V/60Hz converted to 5 VDC  
 Antenna: Schwarzbeck BBHA 9120B, Vertical  
 Measurement distance: 3 m  
 Mode: Tx; BLE, 2402MHz, 2-GFSK, 1Mbps  
 Test Date: 2021-08-03  
 Note: lower bandedge



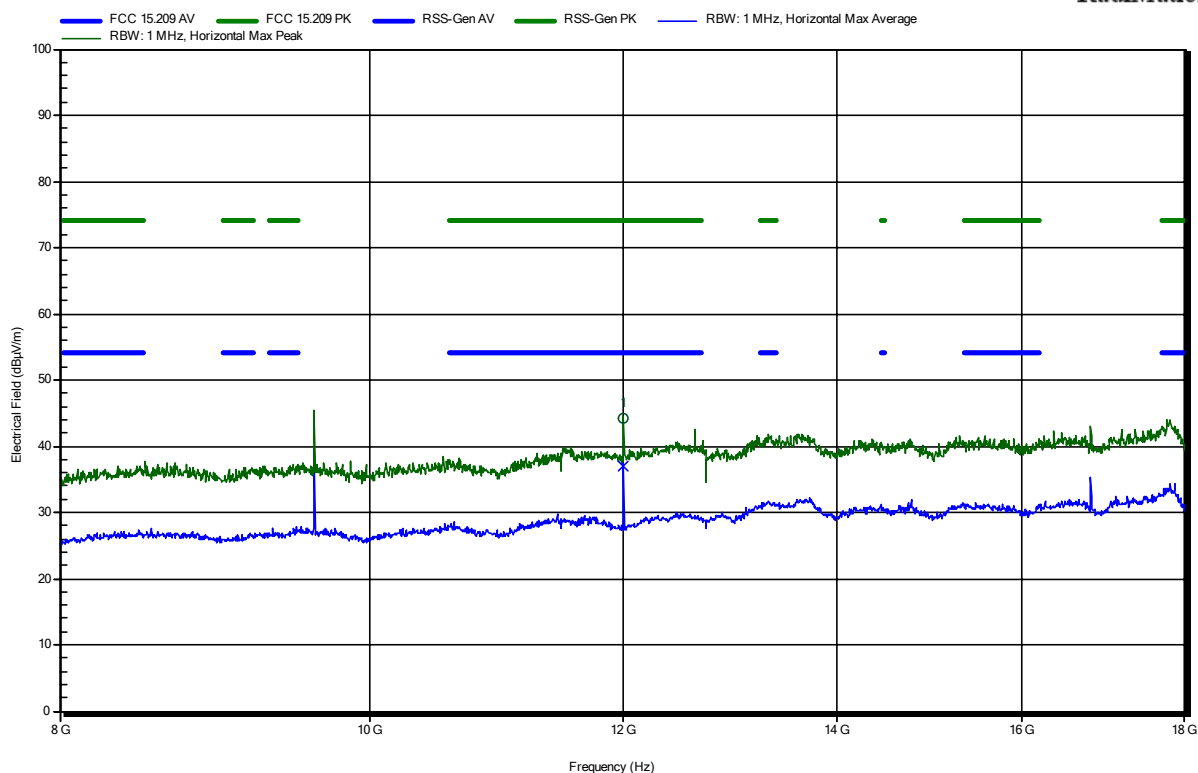
|                        |                         |                            |                                 |                        |
|------------------------|-------------------------|----------------------------|---------------------------------|------------------------|
| Frequency<br>2.386 GHz | Peak<br>35.08 dBµV/m    | Peak Limit<br>74 dBµV/m    | Peak Difference<br>-38.92 dB    | Peak Status<br>Pass    |
| Frequency<br>2.386 GHz | Average<br>22.38 dBµV/m | Average Limit<br>54 dBµV/m | Average Difference<br>-31.62 dB | Average Status<br>Pass |

## Radiated Spurious Emissions according to RSS-247, 47 CFR Part 15.247

Project Number: G0M-2103-9658  
 Applicant: Philip Morris Products S.A.  
 Model Description: Electronic Vaping System  
 Model: B-1603  
 Test Sample ID: 34118  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Voigt  
 Measurement software: RadiMation, version 2020.1.8  
 Test Conditions: Tnom: 22 °Celsius, Vnom: 120V/60Hz converted to 5 VDC  
 Antenna: Schwarzbeck HWRD 650, Horizontal  
 Measurement distance: 3 m  
 Mode: Tx; BLE, 2402MHz, 2-GFSK, 1Mbps  
 Test Date: 2021-08-04  
 Note:

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RadiMation



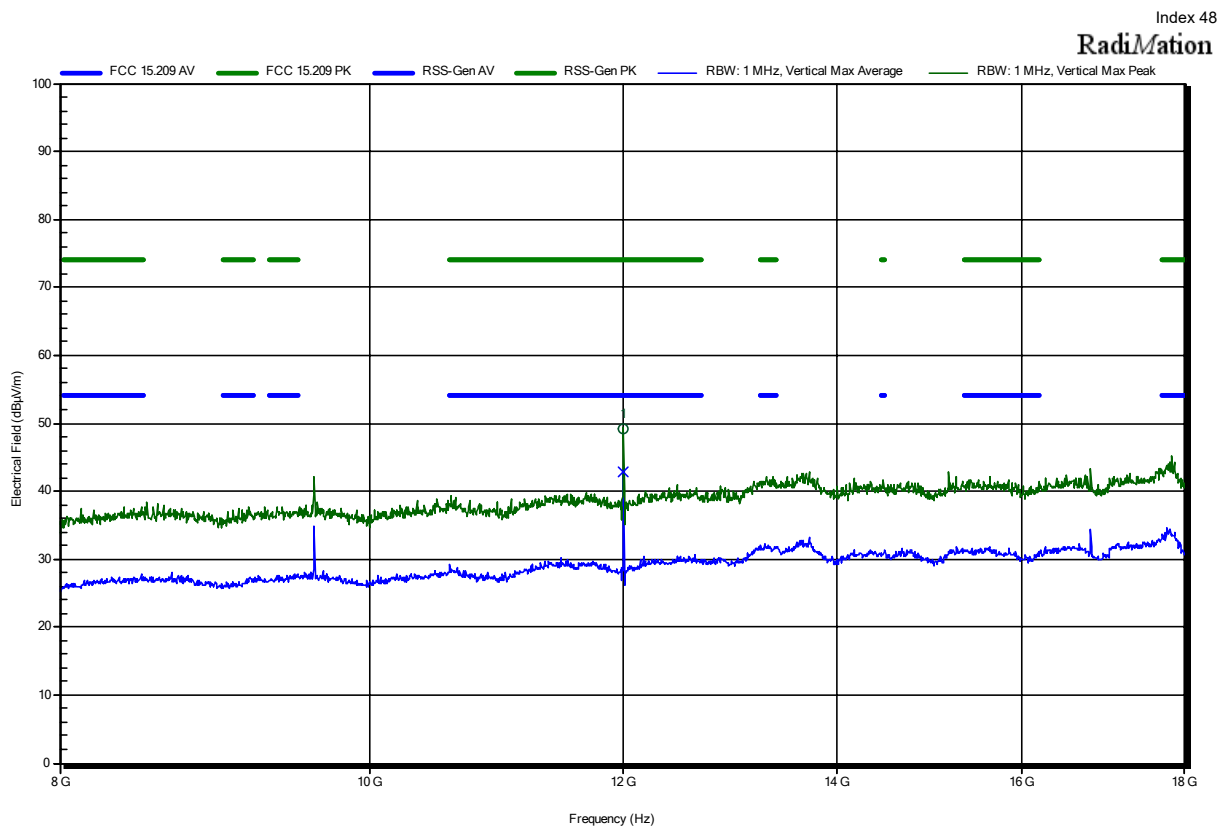
|                         |                         |                            |                                 |                        |
|-------------------------|-------------------------|----------------------------|---------------------------------|------------------------|
| Frequency<br>12.009 GHz | Peak<br>44.31 dBμV/m    | Peak Limit<br>74 dBμV/m    | Peak Difference<br>-29.69 dB    | Peak Status<br>Pass    |
| Frequency<br>12.009 GHz | Average<br>37.04 dBμV/m | Average Limit<br>54 dBμV/m | Average Difference<br>-16.96 dB | Average Status<br>Pass |

Test Report No.: G0M-2103-9658-TFC247BL-V01

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

## Radiated Spurious Emissions according to RSS-247, 47 CFR Part 15.247

Project Number: G0M-2103-9658  
 Applicant: Philip Morris Products S.A.  
 Model Description: Electronic Vaping System  
 Model: B-1603  
 Test Sample ID: 34118  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Voigt  
 Measurement software: RadiMation, version 2020.1.8  
 Test Conditions: Tnom: 22 °Celsius, Vnom: 120V/60Hz converted to 5 VDC  
 Antenna: Schwarzbeck HWRD 650, Vertical  
 Measurement distance: 3 m  
 Mode: Tx; BLE, 2402MHz, 2-GFSK, 1Mbps  
 Test Date: 2021-08-03  
 Note:



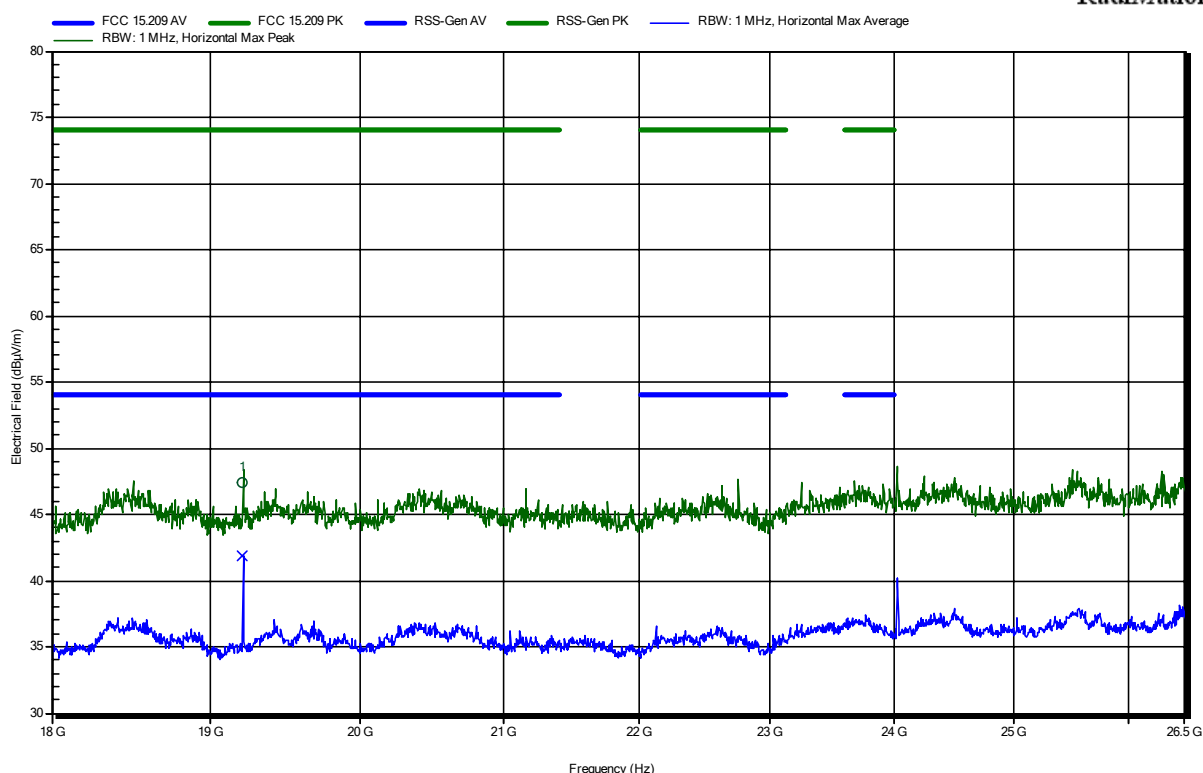
|                         |                         |                            |                                 |                        |
|-------------------------|-------------------------|----------------------------|---------------------------------|------------------------|
| Frequency<br>12.009 GHz | Peak<br>49.13 dBµV/m    | Peak Limit<br>74 dBµV/m    | Peak Difference<br>-24.87 dB    | Peak Status<br>Pass    |
| Frequency<br>12.009 GHz | Average<br>42.96 dBµV/m | Average Limit<br>54 dBµV/m | Average Difference<br>-11.04 dB | Average Status<br>Pass |

## Radiated Spurious Emissions according to RSS-247, 47 CFR Part 15.247

Project Number: G0M-2103-9658  
 Applicant: Philip Morris Products S.A.  
 Model Description: Electronic Vaping System  
 Model: B-1603  
 Test Sample ID: 34118  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Voigt  
 Measurement software: RadiMation, version 2020.1.8  
 Test Conditions: Tnom: 22 °Celsius, Vnom: 120V/60Hz converted to 5 VDC  
 Antenna: Amplifier Research ATH18G40, Horizontal  
 Measurement distance: 3 m  
 Mode: Tx; BLE, 2402MHz, 2-GFSK, 1Mbps  
 Test Date: 2021-08-04  
 Note:

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RadiMation



|                         |                         |                            |                                 |                        |
|-------------------------|-------------------------|----------------------------|---------------------------------|------------------------|
| Frequency<br>19.214 GHz | Peak<br>47.4 dBμV/m     | Peak Limit<br>74 dBμV/m    | Peak Difference<br>-26.6 dB     | Peak Status<br>Pass    |
| Frequency<br>19.214 GHz | Average<br>41.89 dBμV/m | Average Limit<br>54 dBμV/m | Average Difference<br>-12.11 dB | Average Status<br>Pass |

Test Report No.: G0M-2103-9658-TFC247BL-V01

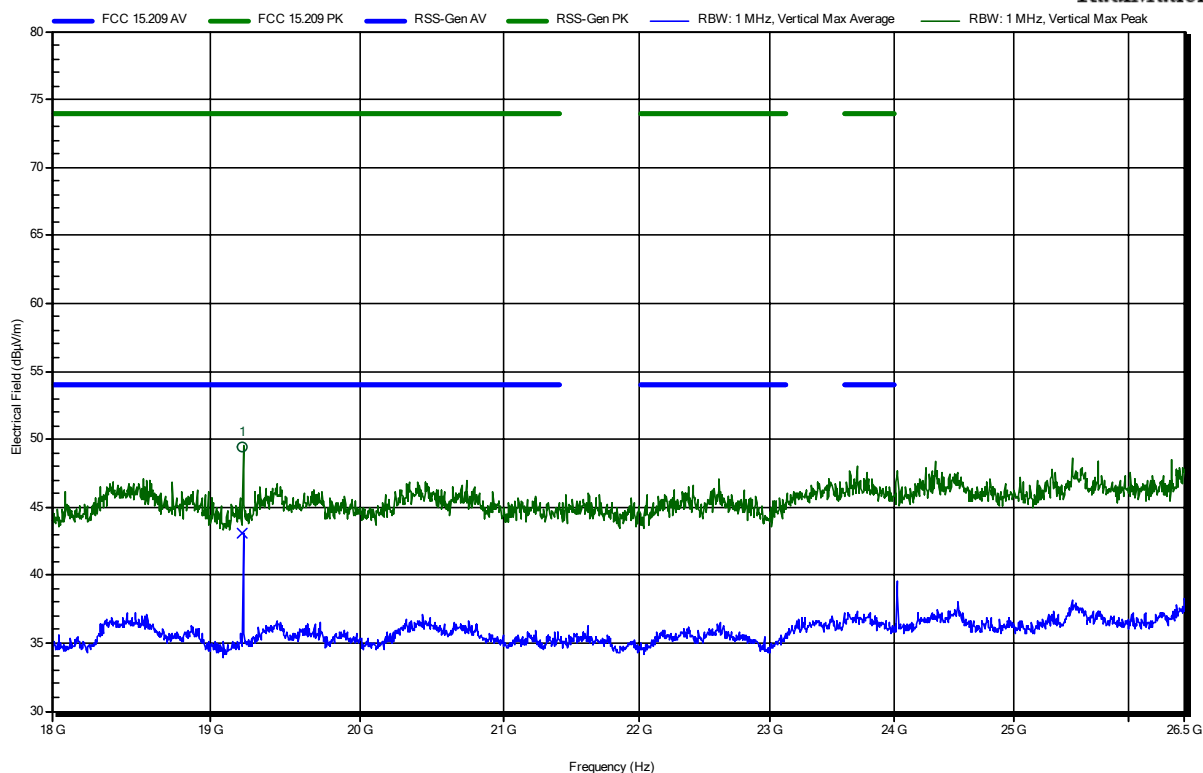
Eurofins Product Service GmbH  
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

## Radiated Spurious Emissions according to RSS-247, 47 CFR Part 15.247

Project Number: G0M-2103-9658  
 Applicant: Philip Morris Products S.A.  
 Model Description: Electronic Vaping System  
 Model: B-1603  
 Test Sample ID: 34118  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Voigt  
 Measurement software: RadiMation, version 2020.1.8  
 Test Conditions: Tnom: 22 °Celsius, Vnom: 120V/60Hz converted to 5 VDC  
 Antenna: Amplifier Research ATH18G40, Vertical  
 Measurement distance: 3 m  
 Mode: Tx; BLE, 2402MHz, 2-GFSK, 1Mbps  
 Test Date: 2021-08-04  
 Note:

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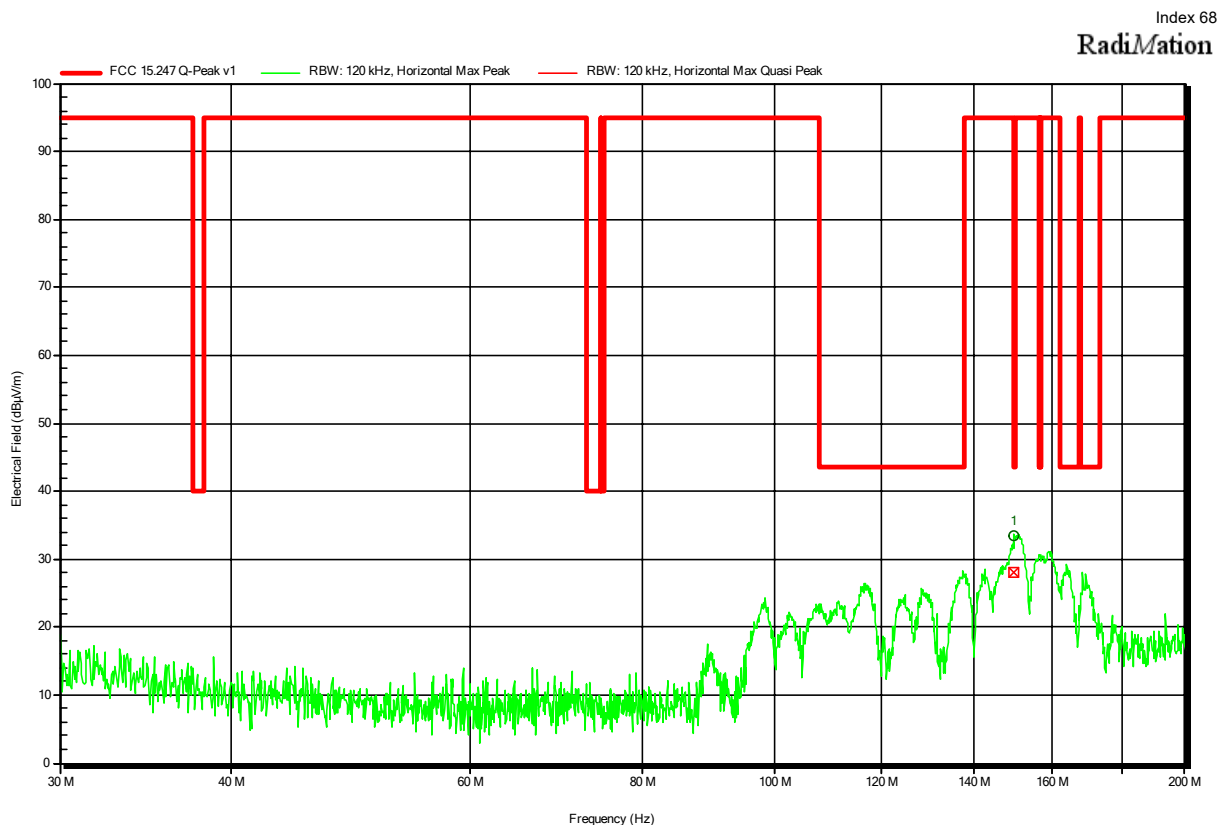
|                         |                         |                            |                                 |                        |
|-------------------------|-------------------------|----------------------------|---------------------------------|------------------------|
| Frequency<br>19.214 GHz | Peak<br>49.4 dBµV/m     | Peak Limit<br>74 dBµV/m    | Peak Difference<br>-24.6 dB     | Peak Status<br>Pass    |
| Frequency<br>19.214 GHz | Average<br>43.11 dBµV/m | Average Limit<br>54 dBµV/m | Average Difference<br>-10.89 dB | Average Status<br>Pass |

Test Report No.: G0M-2103-9658-TFC247BL-V01

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

## Radiated Spurious Emissions according to RSS-247, 47 CFR Part 15.247

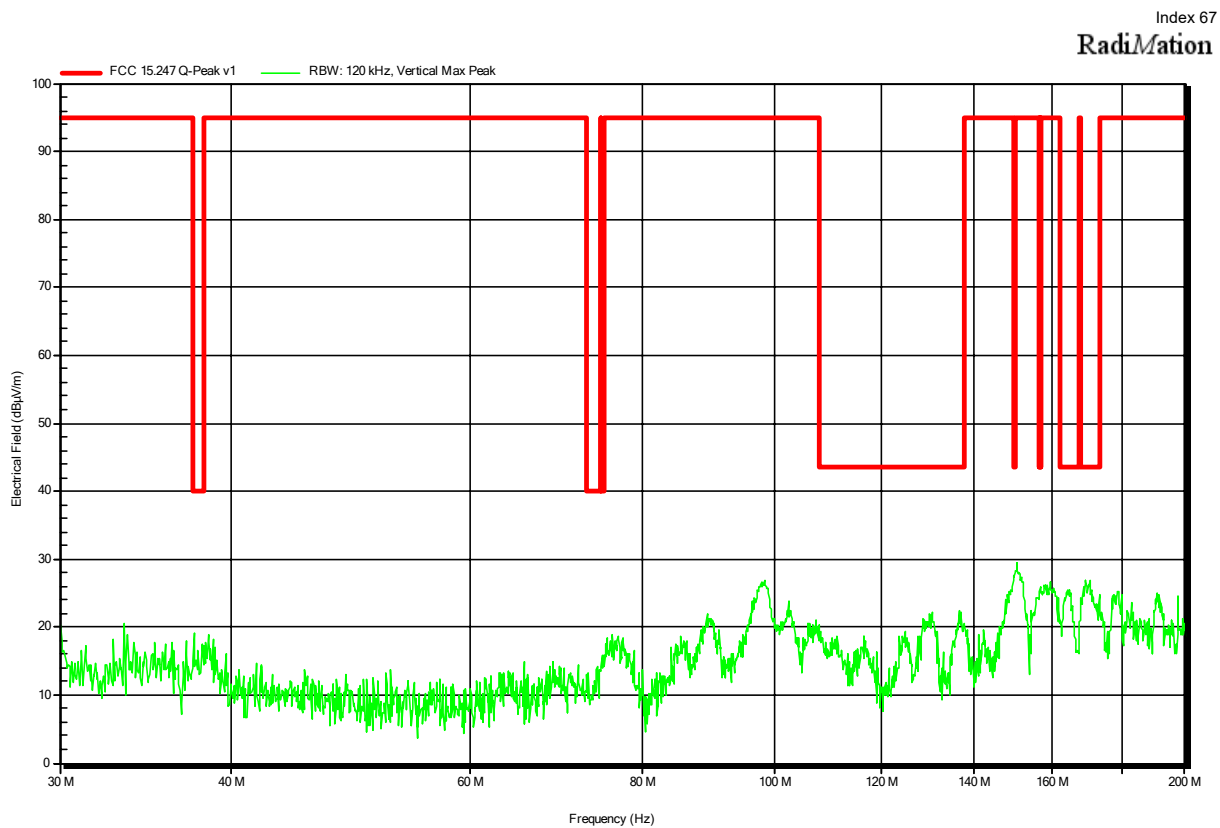
Project Number: G0M-2103-9658  
 Applicant: Philip Morris Products S.A.  
 Model Description: Electronic Vaping System  
 Model: B-1603  
 Test Sample ID: 34118  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Voigt  
 Measurement software: RadiMation, version 2020.1.8  
 Test Conditions: Tnom: 22 °Celsius, Vnom: 120V/60Hz converted to 5 VDC  
 Antenna: Rohde & Schwarz HK 116, Horizontal  
 Measurement distance: 3 m  
 Mode: Tx; BLE, 2440MHz, 2-GFSK, 1Mbps  
 Test Date: 2021-08-06  
 Note:



| Frequency    | Quasi-Peak | Quasi-Peak Limit | Quasi-Peak Difference | Quasi-Peak Status |
|--------------|------------|------------------|-----------------------|-------------------|
| 149.9067 MHz | 28 dBµV/m  | 43.5 dBµV/m      | -15.48 dB             | Pass              |

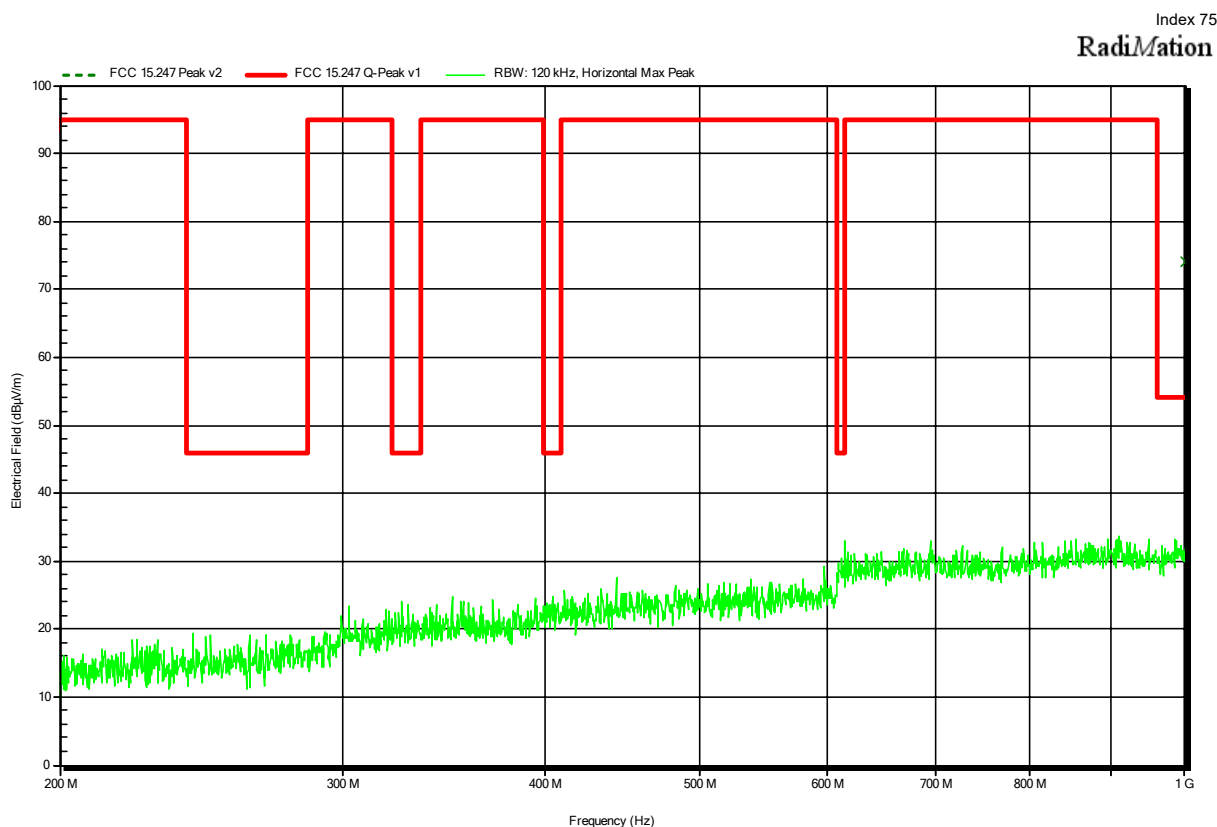
## Radiated Spurious Emissions according to RSS-247, 47 CFR Part 15.247

Project Number: G0M-2103-9658  
 Applicant: Philip Morris Products S.A.  
 Model Description: Electronic Vaping System  
 Model: B-1603  
 Test Sample ID: 34118  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Voigt  
 Measurement software: RadiMation, version 2020.1.8  
 Test Conditions: Tnom: 22 °Celsius, Vnom: 120V/60Hz converted to 5 VDC  
 Antenna: Rohde & Schwarz HK 116, Vertical  
 Measurement distance: 3 m  
 Mode: Tx; BLE, 2440MHz, 2-GFSK, 1Mbps  
 Test Date: 2021-08-06  
 Note:



## Radiated Spurious Emissions according to RSS-247, 47 CFR Part 15.247

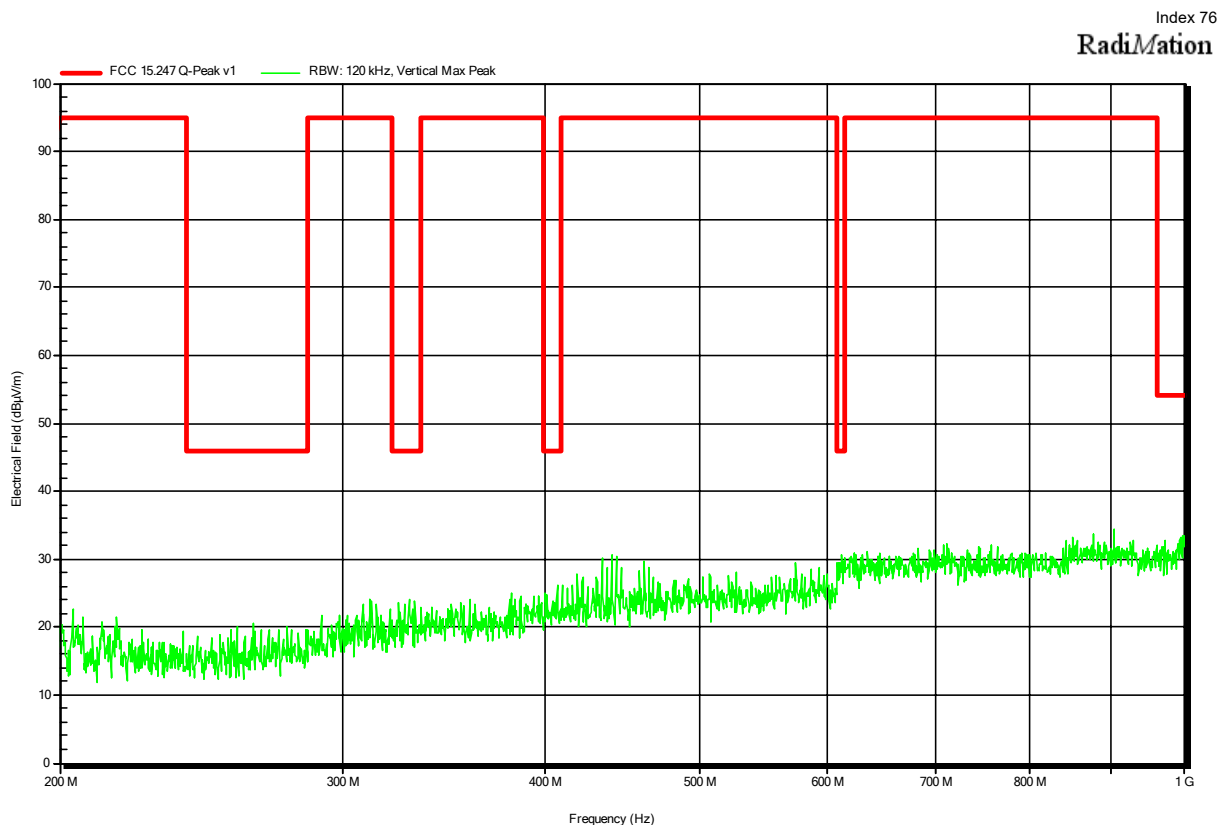
Project Number: G0M-2103-9658  
 Applicant: Philip Morris Products S.A.  
 Model Description: Electronic Vaping System  
 Model: B-1603  
 Test Sample ID: 34118  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Voigt  
 Measurement software: RadiMation, version 2020.1.8  
 Test Conditions: Tnom: 22 °Celsius, Vnom: 120V/60Hz converted to 5 VDC  
 Antenna: Rohde & Schwarz HL 223, Horizontal  
 Measurement distance: 3 m  
 Mode: Tx; BLE, 2440MHz, 2-GFSK, 1Mbps  
 Test Date: 2021-08-06  
 Note:





## Radiated Spurious Emissions according to RSS-247, 47 CFR Part 15.247

Project Number: G0M-2103-9658  
 Applicant: Philip Morris Products S.A.  
 Model Description: Electronic Vaping System  
 Model: B-1603  
 Test Sample ID: 34118  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Voigt  
 Measurement software: RadiMation, version 2020.1.8  
 Test Conditions: Tnom: 22 °Celsius, Vnom: 120V/60Hz converted to 5 VDC  
 Antenna: Rohde & Schwarz HL 223, Vertical  
 Measurement distance: 3 m  
 Mode: Tx; BLE, 2440MHz, 2-GFSK, 1Mbps  
 Test Date: 2021-08-06  
 Note:

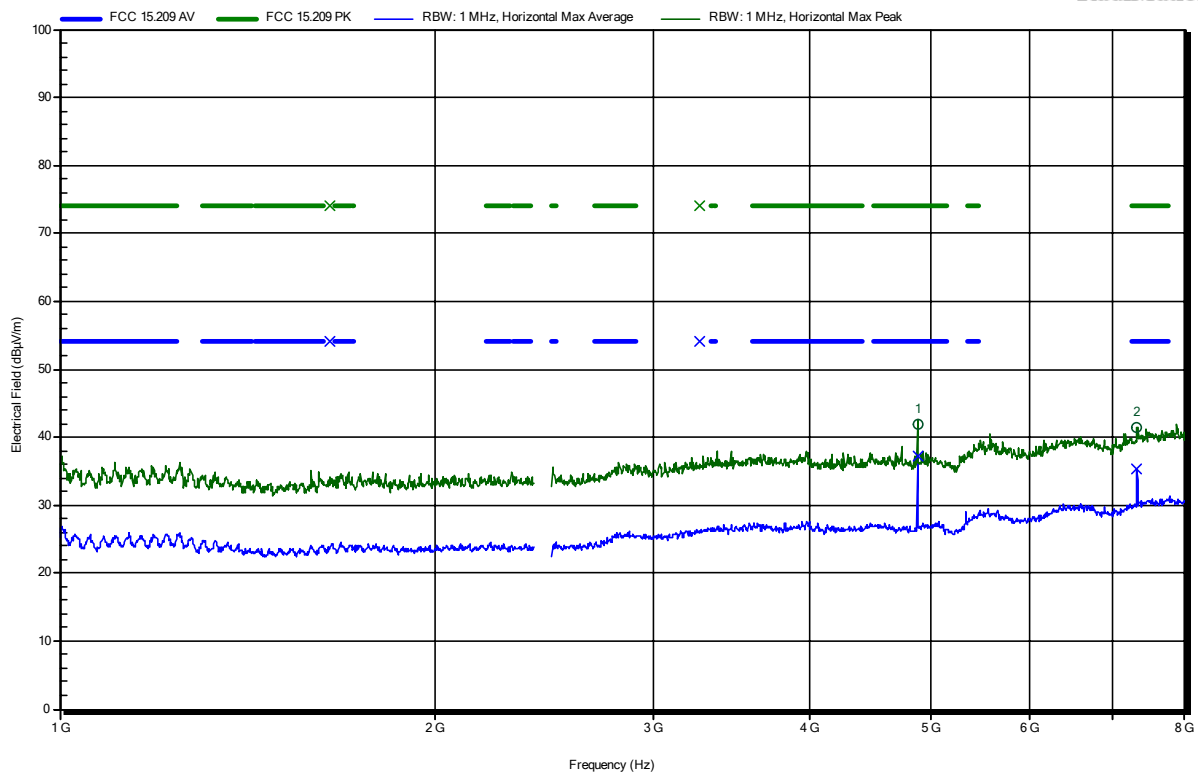


## Radiated Spurious Emissions according to RSS-247, 47 CFR Part 15.247

Project Number: G0M-2103-9658  
 Applicant: Philip Morris Products S.A.  
 Model Description: Electronic Vaping System  
 Model: B-1603  
 Test Sample ID: 34118  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Voigt  
 Measurement software: RadiMation, version 2020.1.8  
 Test Conditions: Tnom: 22 °Celsius, Vnom: 120V/60Hz converted to 5 VDC  
 Antenna: Schwarzbeck BBHA 9120B, Horizontal  
 Measurement distance: 3 m  
 Mode: Tx; BLE, 2440MHz, 2-GFSK, 1Mbps  
 Test Date: 2021-08-05  
 Note:

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| Frequency  | Peak         | Peak Limit | Peak Difference | Peak Status |
|------------|--------------|------------|-----------------|-------------|
| 4.8796 GHz | 41.99 dBμV/m | 74 dBμV/m  | -32.01 dB       | Pass        |
| 7.3193 GHz | 41.49 dBμV/m | 74 dBμV/m  | -32.51 dB       | Pass        |

| Frequency  | Average      | Average Limit | Average Difference | Average Status |
|------------|--------------|---------------|--------------------|----------------|
| 4.8796 GHz | 37.09 dBμV/m | 54 dBμV/m     | -16.91 dB          | Pass           |
| 7.3193 GHz | 35.4 dBμV/m  | 54 dBμV/m     | -18.6 dB           | Pass           |

Test Report No.: G0M-2103-9658-TFC247BL-V01

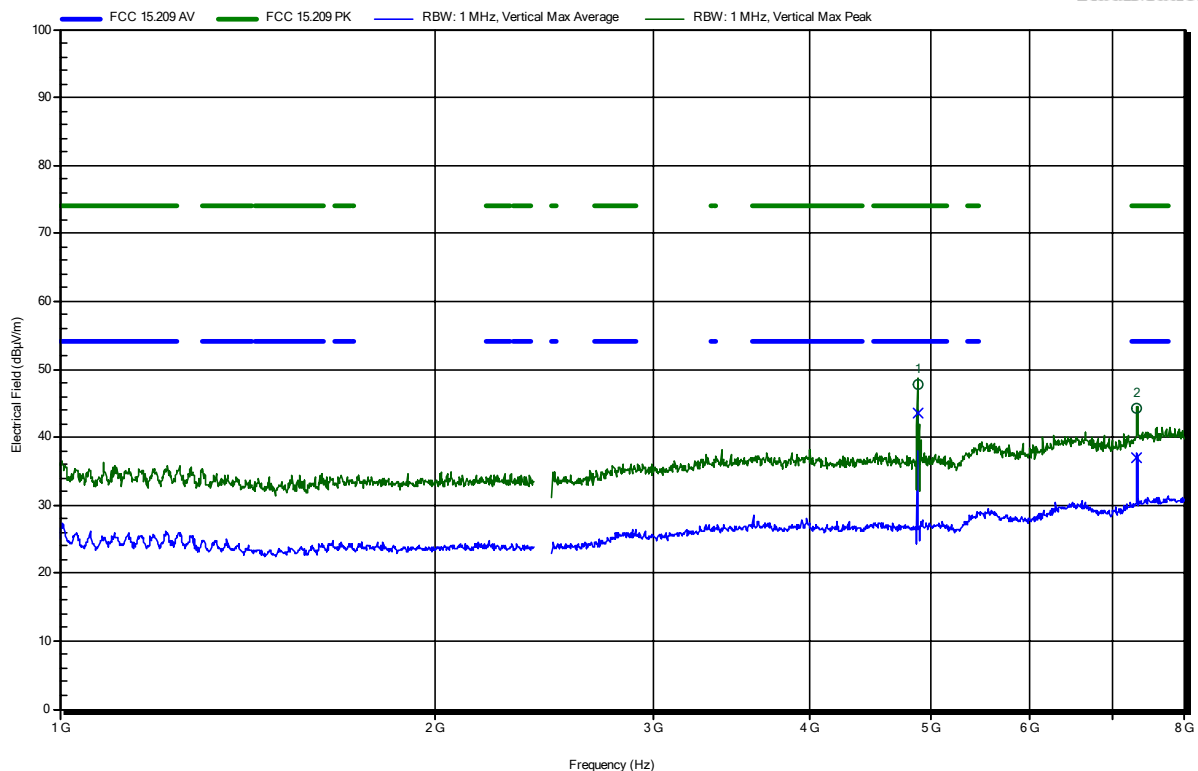
Eurofins Product Service GmbH  
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

## Radiated Spurious Emissions according to RSS-247, 47 CFR Part 15.247

Project Number: G0M-2103-9658  
 Applicant: Philip Morris Products S.A.  
 Model Description: Electronic Vaping System  
 Model: B-1603  
 Test Sample ID: 34118  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Voigt  
 Measurement software: RadiMation, version 2020.1.8  
 Test Conditions: Tnom: 22 °Celsius, Vnom: 120V/60Hz converted to 5 VDC  
 Antenna: Schwarzbeck BBHA 9120B, Vertical  
 Measurement distance: 3 m  
 Mode: Tx; BLE, 2440MHz, 2-GFSK, 1Mbps  
 Test Date: 2021-08-05  
 Note:

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|            |              |            |                 |             |
|------------|--------------|------------|-----------------|-------------|
| Frequency  | Peak         | Peak Limit | Peak Difference | Peak Status |
| 4.8798 GHz | 47.82 dBμV/m | 74 dBμV/m  | -26.18 dB       | Pass        |
| 7.3193 GHz | 44.36 dBμV/m | 74 dBμV/m  | -29.64 dB       | Pass        |

|            |              |               |                    |                |
|------------|--------------|---------------|--------------------|----------------|
| Frequency  | Average      | Average Limit | Average Difference | Average Status |
| 4.8798 GHz | 43.6 dBμV/m  | 54 dBμV/m     | -10.4 dB           | Pass           |
| 7.3193 GHz | 36.86 dBμV/m | 54 dBμV/m     | -17.14 dB          | Pass           |

Test Report No.: G0M-2103-9658-TFC247BL-V01

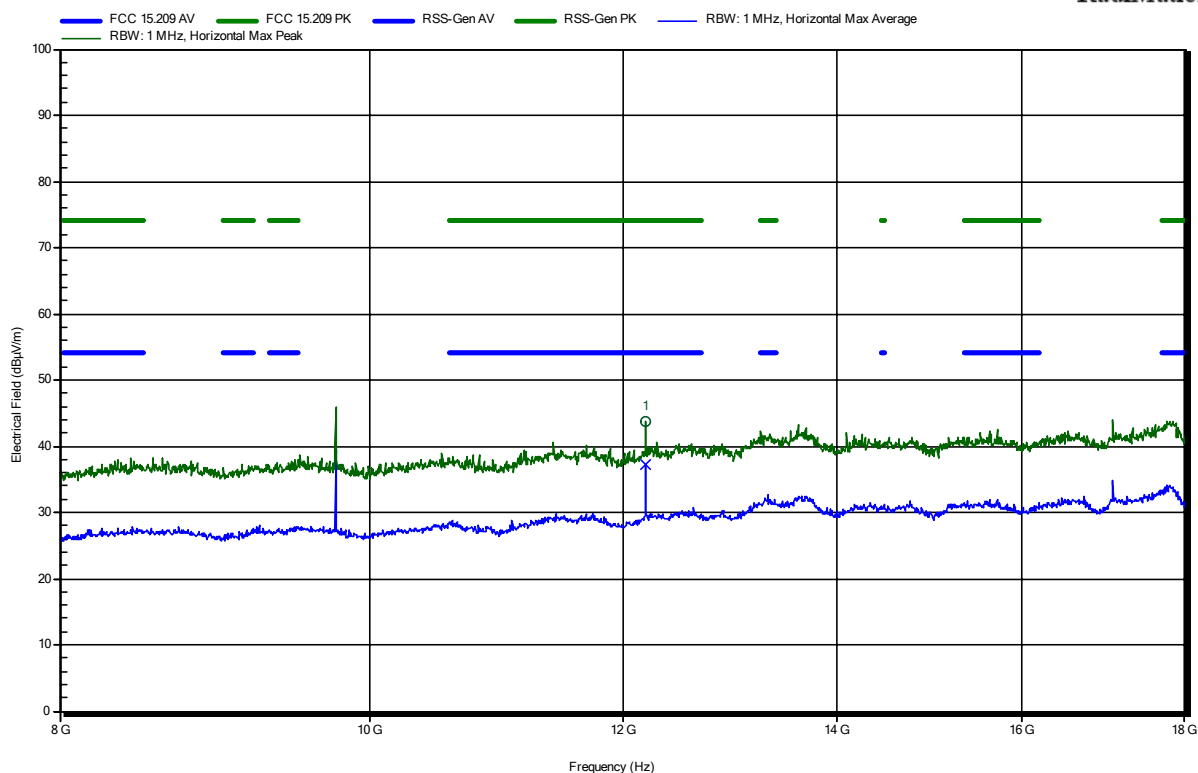
Eurofins Product Service GmbH  
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

## Radiated Spurious Emissions according to RSS-247, 47 CFR Part 15.247

Project Number: G0M-2103-9658  
 Applicant: Philip Morris Products S.A.  
 Model Description: Electronic Vaping System  
 Model: B-1603  
 Test Sample ID: 34118  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Voigt  
 Measurement software: RadiMation, version 2020.1.8  
 Test Conditions: Tnom: 22 °Celsius, Vnom: 120V/60Hz converted to 5 VDC  
 Antenna: Schwarzbeck HWRD 650, Horizontal  
 Measurement distance: 3 m  
 Mode: Tx; BLE, 2440MHz, 2-GFSK, 1Mbps  
 Test Date: 2021-08-04  
 Note:

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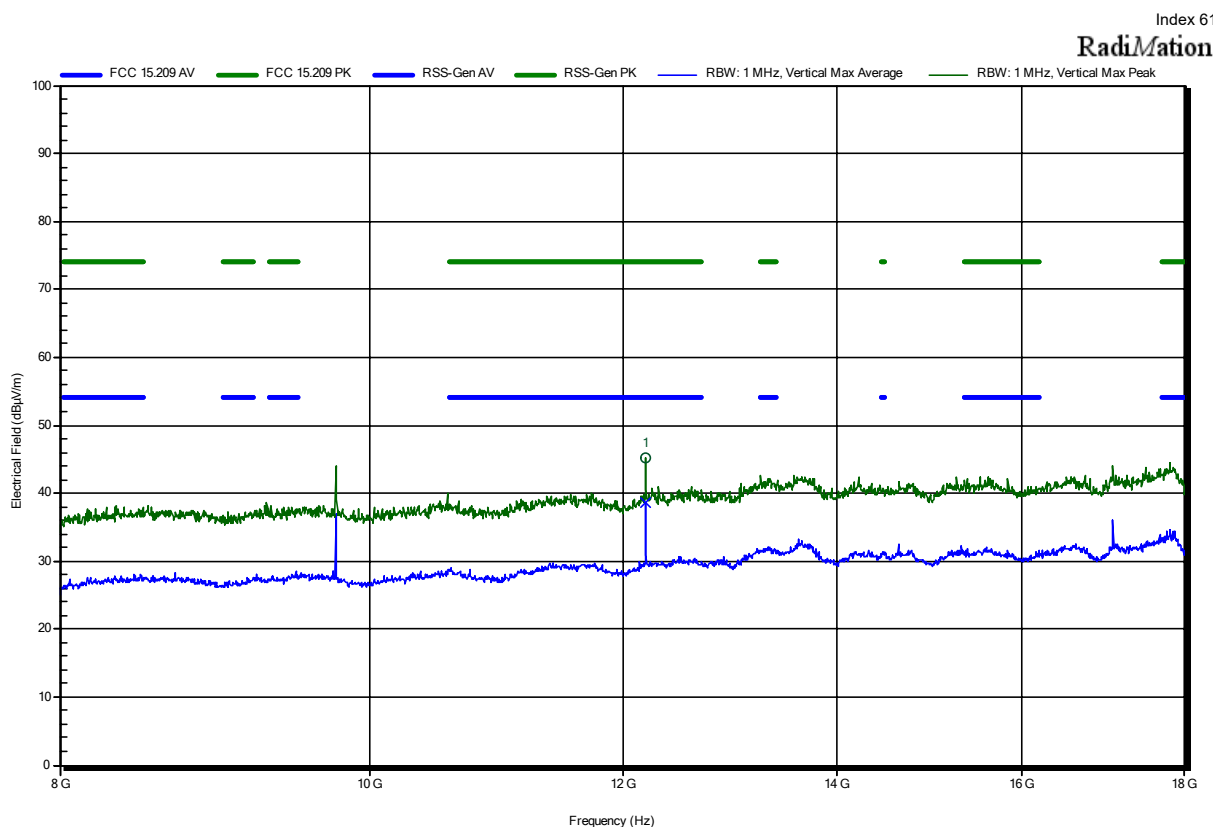
RadiMation



|                         |                         |                            |                                 |                        |
|-------------------------|-------------------------|----------------------------|---------------------------------|------------------------|
| Frequency<br>12.199 GHz | Peak<br>43.76 dBµV/m    | Peak Limit<br>74 dBµV/m    | Peak Difference<br>-30.24 dB    | Peak Status<br>Pass    |
| Frequency<br>12.199 GHz | Average<br>37.13 dBµV/m | Average Limit<br>54 dBµV/m | Average Difference<br>-16.87 dB | Average Status<br>Pass |

## Radiated Spurious Emissions according to RSS-247, 47 CFR Part 15.247

Project Number: G0M-2103-9658  
 Applicant: Philip Morris Products S.A.  
 Model Description: Electronic Vaping System  
 Model: B-1603  
 Test Sample ID: 34118  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Voigt  
 Measurement software: RadiMation, version 2020.1.8  
 Test Conditions: Tnom: 22 °Celsius, Vnom: 120V/60Hz converted to 5 VDC  
 Antenna: Schwarzbeck HWRD 650, Vertical  
 Measurement distance: 3 m  
 Mode: Tx; BLE, 2440MHz, 2-GFSK, 1Mbps  
 Test Date: 2021-08-04  
 Note:



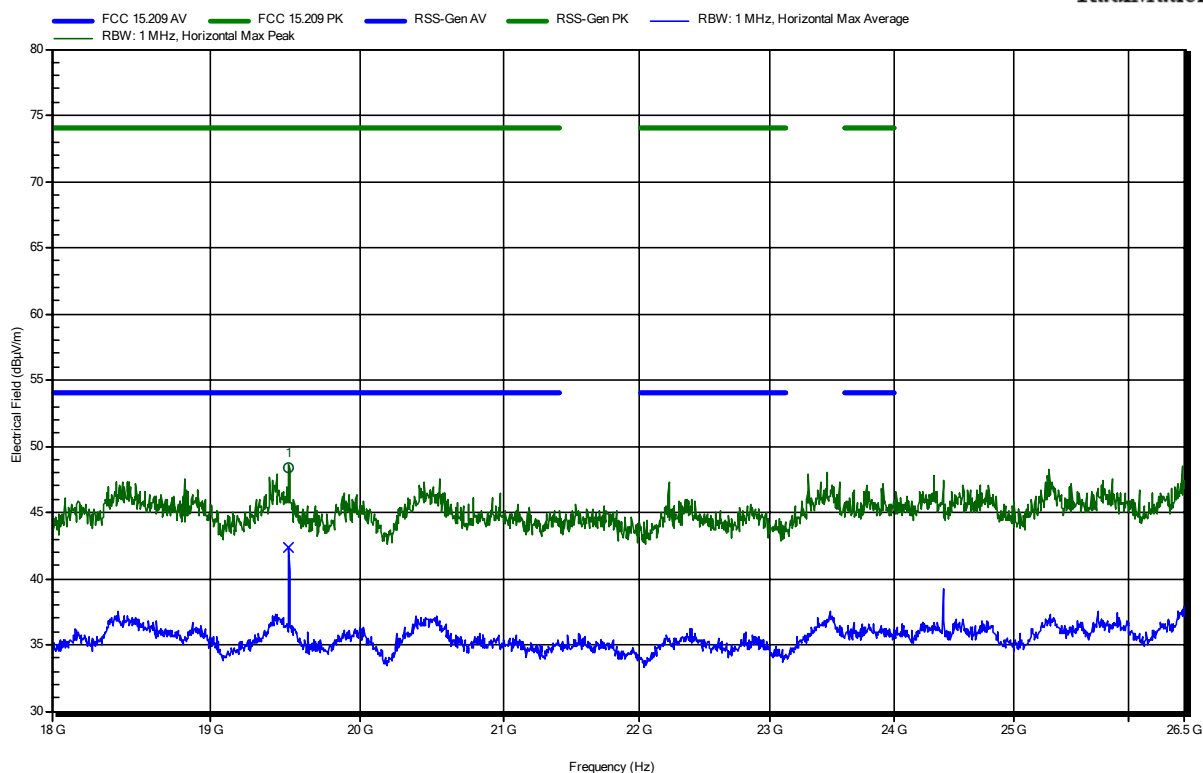
|                         |                         |                            |                                 |                        |
|-------------------------|-------------------------|----------------------------|---------------------------------|------------------------|
| Frequency<br>12.199 GHz | Peak<br>45.1 dBµV/m     | Peak Limit<br>74 dBµV/m    | Peak Difference<br>-28.9 dB     | Peak Status<br>Pass    |
| Frequency<br>12.199 GHz | Average<br>38.58 dBµV/m | Average Limit<br>54 dBµV/m | Average Difference<br>-15.42 dB | Average Status<br>Pass |

## Radiated Spurious Emissions according to RSS-247, 47 CFR Part 15.247

Project Number: G0M-2103-9658  
 Applicant: Philip Morris Products S.A.  
 Model Description: Electronic Vaping System  
 Model: B-1603  
 Test Sample ID: 34118  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Voigt  
 Measurement software: RadiMation, version 2020.1.8  
 Test Conditions: Tnom: 22 °Celsius, Vnom: 120V/60Hz converted to 5 VDC  
 Antenna: Amplifier Research ATH18G40, Horizontal  
 Measurement distance: 3 m  
 Mode: Tx; BLE, 2440MHz, 2-GFSK, 1Mbps  
 Test Date: 2021-08-04  
 Note:

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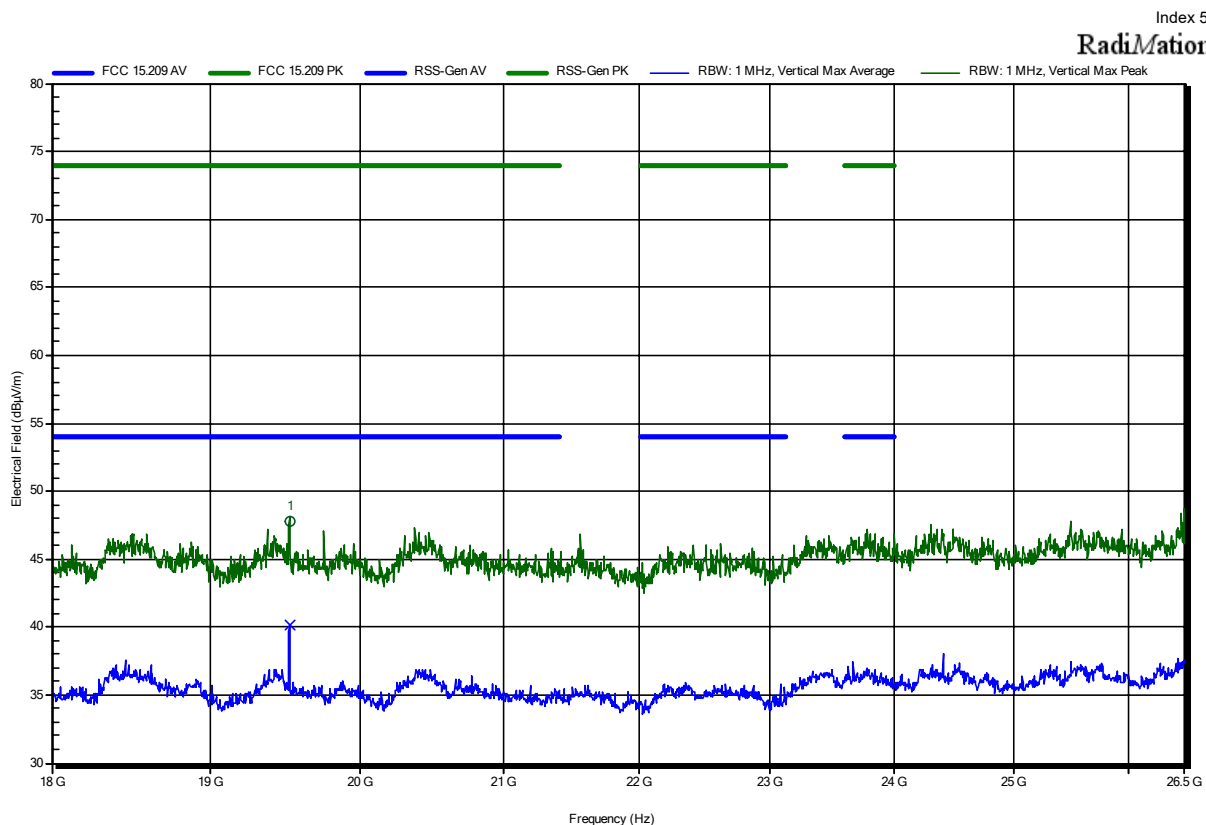
|                         |                         |                            |                                 |                        |
|-------------------------|-------------------------|----------------------------|---------------------------------|------------------------|
| Frequency<br>19.518 GHz | Peak<br>48.37 dBµV/m    | Peak Limit<br>74 dBµV/m    | Peak Difference<br>-25.63 dB    | Peak Status<br>Pass    |
| Frequency<br>19.518 GHz | Average<br>42.38 dBµV/m | Average Limit<br>54 dBµV/m | Average Difference<br>-11.62 dB | Average Status<br>Pass |

Test Report No.: G0M-2103-9658-TFC247BL-V01

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

## Radiated Spurious Emissions according to RSS-247, 47 CFR Part 15.247

Project Number: G0M-2103-9658  
 Applicant: Philip Morris Products S.A.  
 Model Description: Electronic Vaping System  
 Model: B-1603  
 Test Sample ID: 34118  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Voigt  
 Measurement software: RadiMation, version 2020.1.8  
 Test Conditions: Tnom: 22 °Celsius, Vnom: 120V/60Hz converted to 5 VDC  
 Antenna: Amplifier Research ATH18G40, Vertical  
 Measurement distance: 3 m  
 Mode: Tx; BLE, 2440MHz, 2-GFSK, 1Mbps  
 Test Date: 2021-08-04  
 Note:



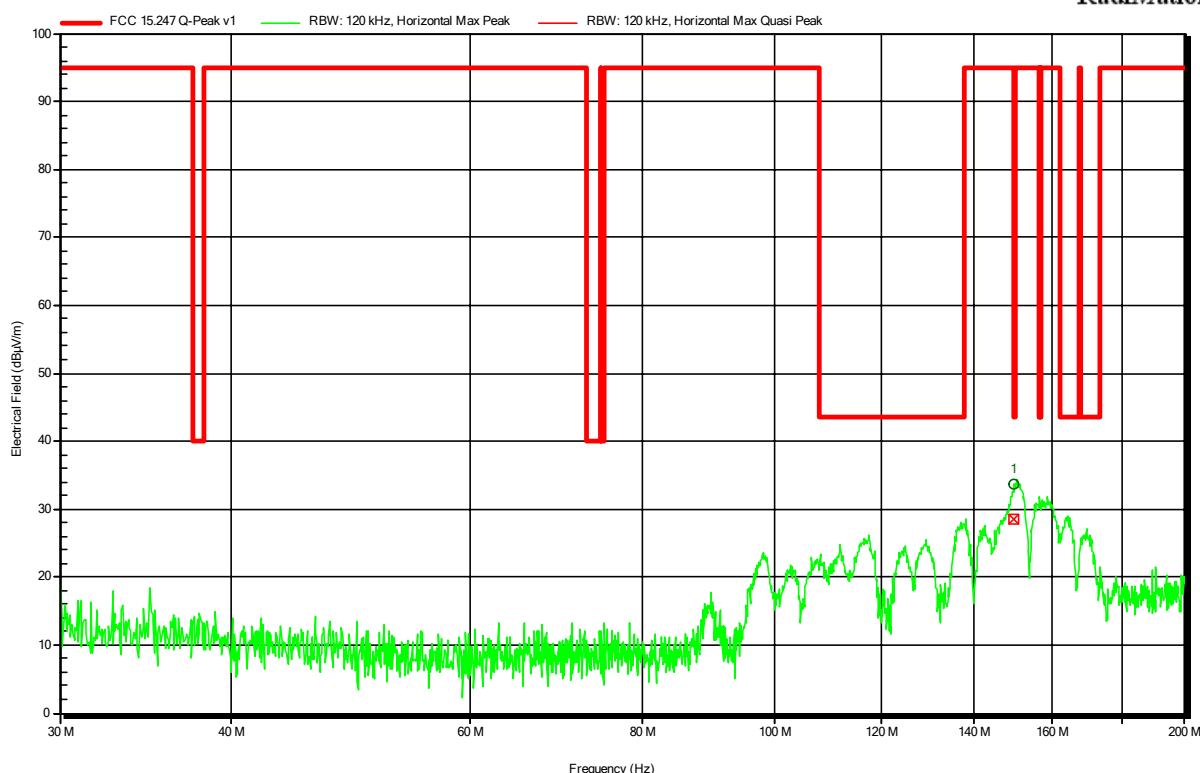
|                         |                         |                            |                                 |                        |
|-------------------------|-------------------------|----------------------------|---------------------------------|------------------------|
| Frequency<br>19.522 GHz | Peak<br>47.81 dBµV/m    | Peak Limit<br>74 dBµV/m    | Peak Difference<br>-26.19 dB    | Peak Status<br>Pass    |
| Frequency<br>19.522 GHz | Average<br>40.15 dBµV/m | Average Limit<br>54 dBµV/m | Average Difference<br>-13.85 dB | Average Status<br>Pass |

## Radiated Spurious Emissions according to RSS-247, 47 CFR Part 15.247

Project Number: G0M-2103-9658  
 Applicant: Philip Morris Products S.A.  
 Model Description: Electronic Vaping System  
 Model: B-1603  
 Test Sample ID: 34118  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Voigt  
 Measurement software: RadiMation, version 2020.1.8  
 Test Conditions: Tnom: 22 °Celsius, Vnom: 120V/60Hz converted to 5 VDC  
 Antenna: Rohde & Schwarz HK 116, Horizontal  
 Measurement distance: 3 m  
 Mode: Tx; BLE, 2480MHz, 2-GFSK, 1Mbps  
 Test Date: 2021-08-06  
 Note:

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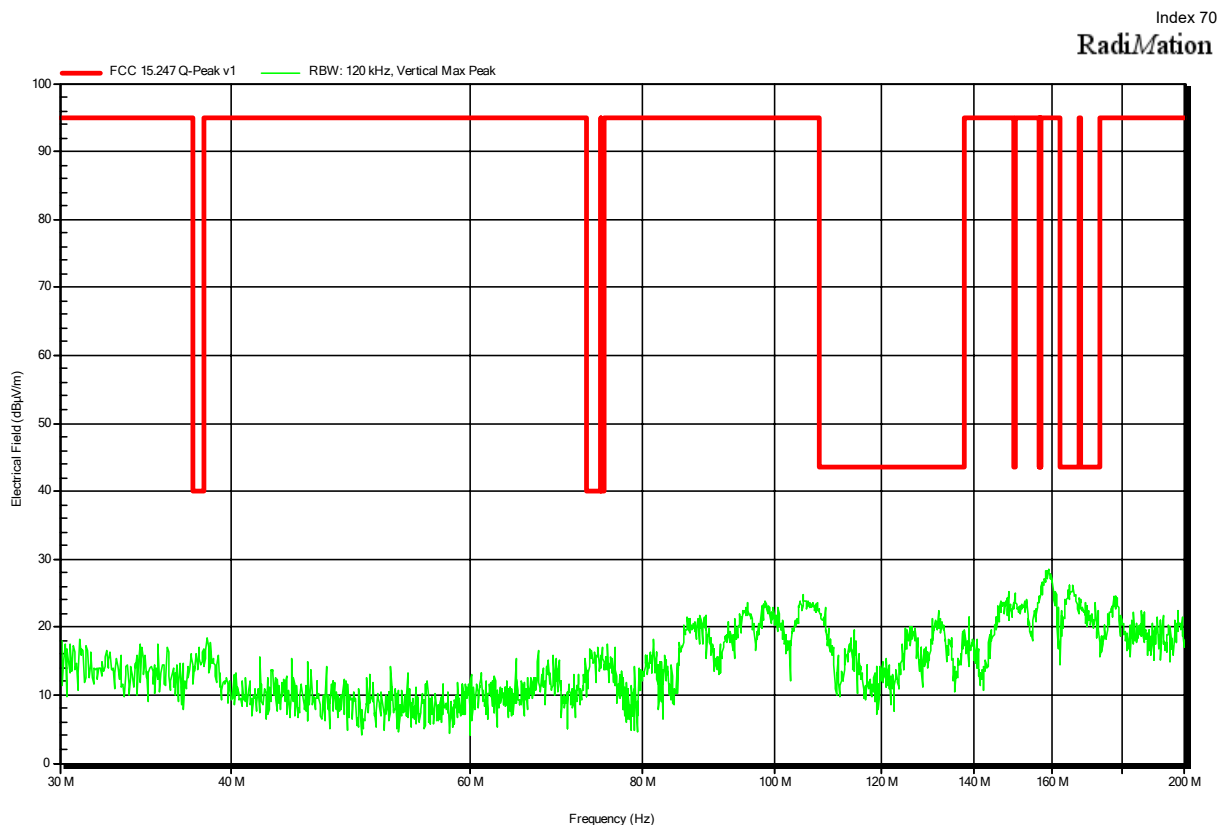


| Frequency    | Quasi-Peak  | Quasi-Peak Limit | Quasi-Peak Difference | Quasi-Peak Status |
|--------------|-------------|------------------|-----------------------|-------------------|
| 150.0207 MHz | 28.5 dBµV/m | 43.5 dBµV/m      | -15.03 dB             | Pass              |



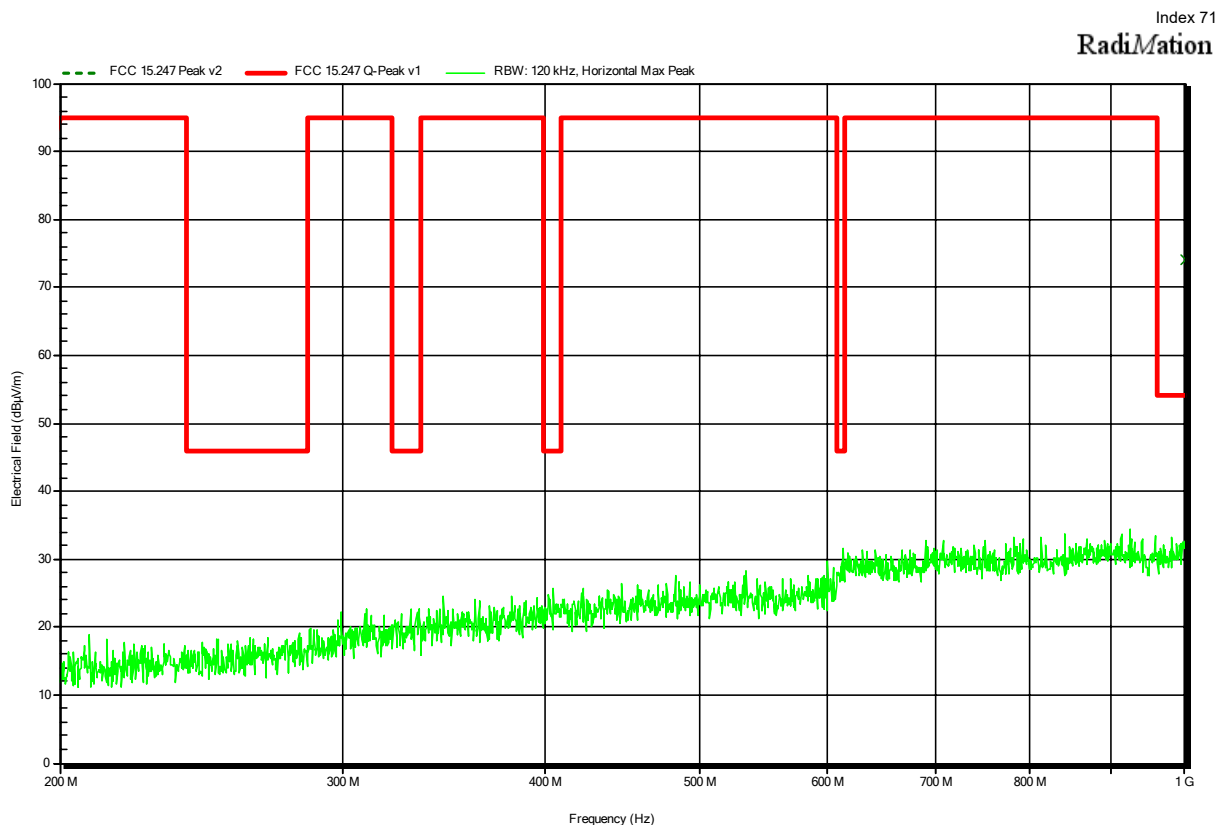
## Radiated Spurious Emissions according to RSS-247, 47 CFR Part 15.247

Project Number: G0M-2103-9658  
 Applicant: Philip Morris Products S.A.  
 Model Description: Electronic Vaping System  
 Model: B-1603  
 Test Sample ID: 34118  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Voigt  
 Measurement software: RadiMation, version 2020.1.8  
 Test Conditions: Tnom: 22 °Celsius, Vnom: 120V/60Hz converted to 5 VDC  
 Antenna: Rohde & Schwarz HK 116, Vertical  
 Measurement distance: 3 m  
 Mode: Tx; BLE, 2480MHz, 2-GFSK, 1Mbps  
 Test Date: 2021-08-06  
 Note:



## Radiated Spurious Emissions according to RSS-247, 47 CFR Part 15.247

Project Number: G0M-2103-9658  
 Applicant: Philip Morris Products S.A.  
 Model Description: Electronic Vaping System  
 Model: B-1603  
 Test Sample ID: 34118  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Voigt  
 Measurement software: RadiMation, version 2020.1.8  
 Test Conditions: Tnom: 22 °Celsius, Vnom: 120V/60Hz converted to 5 VDC  
 Antenna: Rohde & Schwarz HL 223, Horizontal  
 Measurement distance: 3 m  
 Mode: Tx; BLE, 2480MHz, 2-GFSK, 1Mbps  
 Test Date: 2021-08-06  
 Note:

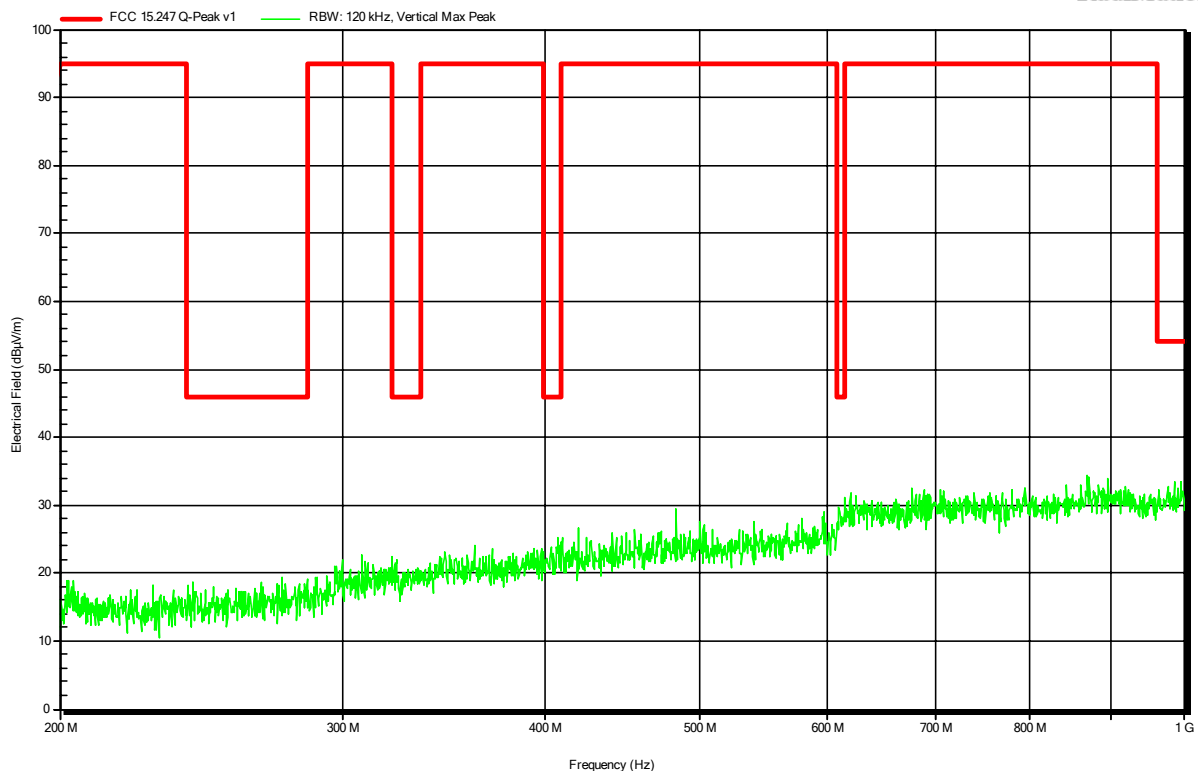


## Radiated Spurious Emissions according to RSS-247, 47 CFR Part 15.247

Project Number: G0M-2103-9658  
 Applicant: Philip Morris Products S.A.  
 Model Description: Electronic Vaping System  
 Model: B-1603  
 Test Sample ID: 34118  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Voigt  
 Measurement software: RadiMation, version 2020.1.8  
 Test Conditions: Tnom: 22 °Celsius, Vnom: 120V/60Hz converted to 5 VDC  
 Antenna: Rohde & Schwarz HL 223, Vertical  
 Measurement distance: 3 m  
 Mode: Tx; BLE, 2480MHz, 2-GFSK, 1Mbps  
 Test Date: 2021-08-06  
 Note:

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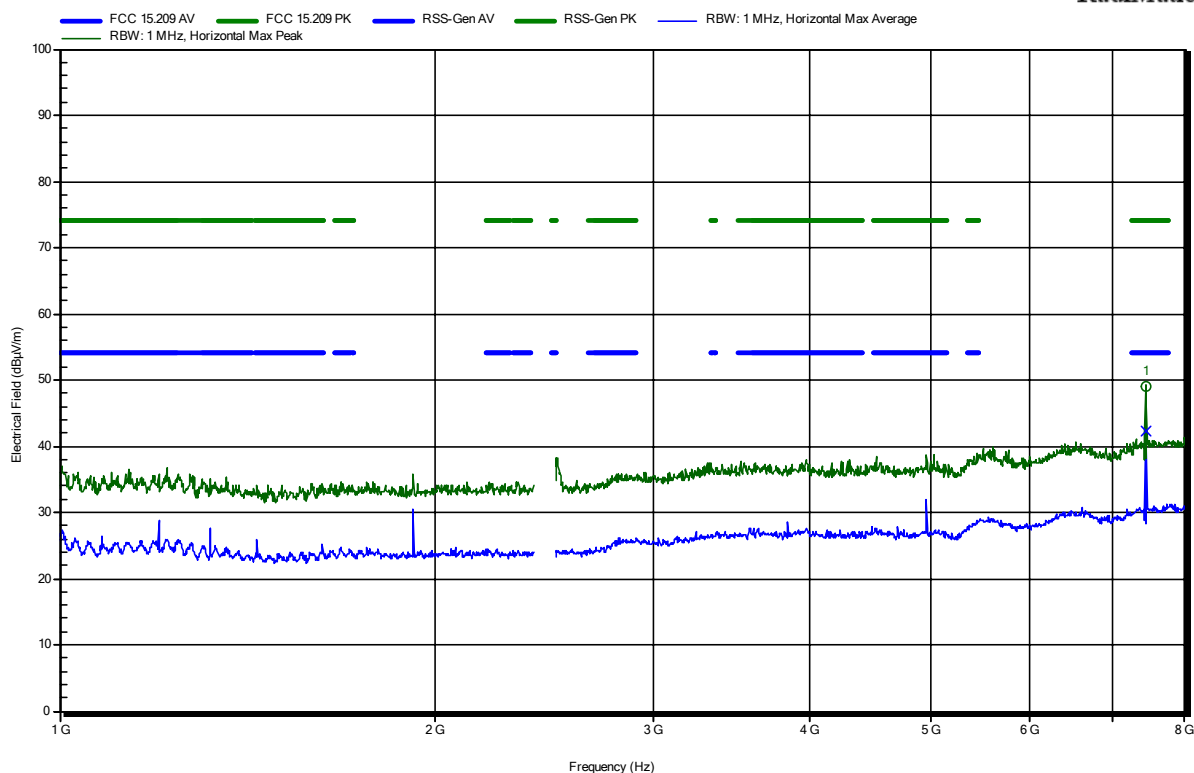


## Radiated Spurious Emissions according to RSS-247, 47 CFR Part 15.247

Project Number: G0M-2103-9658  
 Applicant: Philip Morris Products S.A.  
 Model Description: Electronic Vaping System  
 Model: B-1603  
 Test Sample ID: 34118  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Voigt  
 Measurement software: RadiMation, version 2020.1.8  
 Test Conditions: Tnom: 22 °Celsius, Vnom: 120V/60Hz converted to 5 VDC  
 Antenna: Schwarzbeck BBHA 9120B, Horizontal  
 Measurement distance: 3 m  
 Mode: Tx; BLE, 2480MHz, 2-GFSK, 1Mbps  
 Test Date: Tuesday, August 3, 2021  
 Note:

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RadiMation



|                        |                         |                            |                                 |                        |
|------------------------|-------------------------|----------------------------|---------------------------------|------------------------|
| Frequency<br>7.439 GHz | Peak<br>49.04 dBμV/m    | Peak Limit<br>74 dBμV/m    | Peak Difference<br>-24.96 dB    | Peak Status<br>Pass    |
| Frequency<br>7.439 GHz | Average<br>42.31 dBμV/m | Average Limit<br>54 dBμV/m | Average Difference<br>-11.69 dB | Average Status<br>Pass |

Test Report No.: G0M-2103-9658-TFC247BL-V01

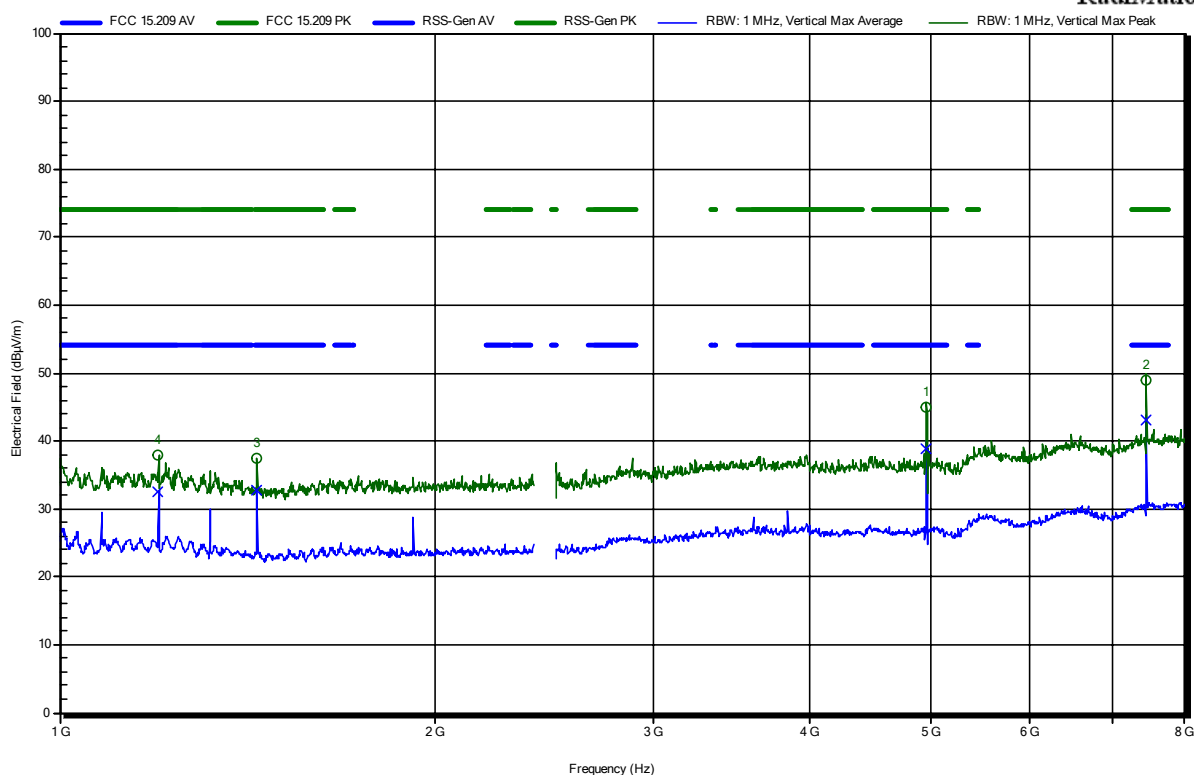
Eurofins Product Service GmbH  
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

# Radiated Spurious Emissions according to RSS-247, 47 CFR Part 15.247

Project Number: G0M-2103-9658  
 Applicant: Philip Morris Products S.A.  
 Model Description: Electronic Vaping System  
 Model: B-1603  
 Test Sample ID: 34118  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Voigt  
 Measurement software: RadiMation, version 2020.1.8  
 Test Conditions: Tnom: 22 °Celsius, Vnom: 120V/60Hz converted to 5 VDC  
 Antenna: Schwarzbeck BBHA 9120B, Vertical  
 Measurement distance: 3 m  
 Mode: Tx; BLE, 2480MHz, 2-GFSK, 1Mbps  
 Test Date: Tuesday, August 3, 2021

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| Frequency | Peak         | Peak Limit | Peak Difference | Peak Status |
|-----------|--------------|------------|-----------------|-------------|
| 1.2 GHz   | 38 dBμV/m    | 74 dBμV/m  | -36 dB          | Pass        |
| 1.44 GHz  | 37.45 dBμV/m | 74 dBμV/m  | -36.55 dB       | Pass        |
| 4.96 GHz  | 44.97 dBμV/m | 74 dBμV/m  | -29.03 dB       | Pass        |
| 7.439 GHz | 48.86 dBμV/m | 74 dBμV/m  | -25.14 dB       | Pass        |

| Frequency | Average      | Average Limit | Average Difference | Average Status |
|-----------|--------------|---------------|--------------------|----------------|
| 1.2 GHz   | 32.58 dBμV/m | 54 dBμV/m     | -21.42 dB          | Pass           |
| 1.44 GHz  | 32.74 dBμV/m | 54 dBμV/m     | -21.26 dB          | Pass           |
| 4.96 GHz  | 38.92 dBμV/m | 54 dBμV/m     | -15.08 dB          | Pass           |
| 7.439 GHz | 43.13 dBμV/m | 54 dBμV/m     | -10.87 dB          | Pass           |

Test Report No.: G0M-2103-9658-TFC247BL-V01

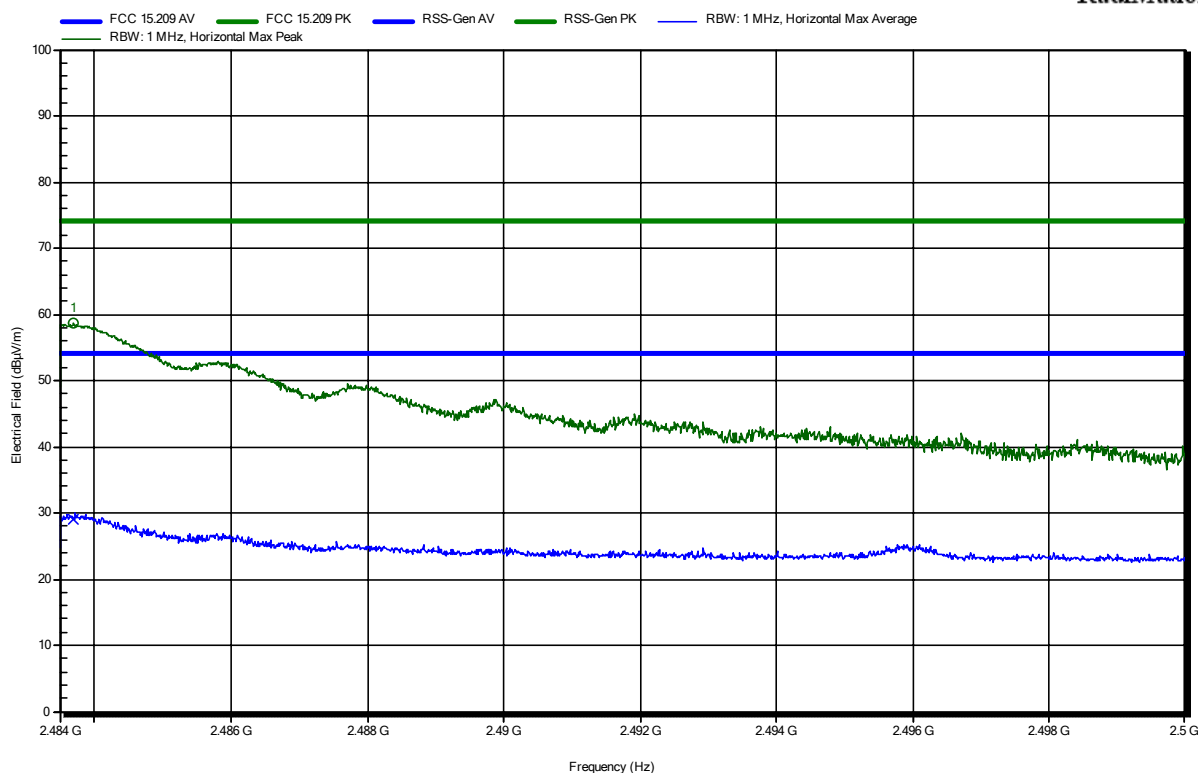
Eurofins Product Service GmbH  
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

## Radiated Spurious Emissions according to RSS-247, 47 CFR Part 15.247

Project Number: G0M-2103-9658  
 Applicant: Philip Morris Products S.A.  
 Model Description: Electronic Vaping System  
 Model: B-1603  
 Test Sample ID: 34118  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Voigt  
 Measurement software: RadiMation, version 2020.1.8  
 Test Conditions: Tnom: 22 °Celsius, Vnom: 120V/60Hz converted to 5 VDC  
 Antenna: Schwarzbeck BBHA 9120B, Horizontal  
 Measurement distance: 3 m  
 Mode: Tx; BLE, 2480MHz, 2-GFSK, 1Mbps  
 Test Date: 2021-08-03  
 Note: upper bandedge

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|                         |                         |                            |                                 |                        |
|-------------------------|-------------------------|----------------------------|---------------------------------|------------------------|
| Frequency<br>2.4837 GHz | Peak<br>58.56 dBµV/m    | Peak Limit<br>74 dBµV/m    | Peak Difference<br>-15.44 dB    | Peak Status<br>Pass    |
| Frequency<br>2.4837 GHz | Average<br>29.15 dBµV/m | Average Limit<br>54 dBµV/m | Average Difference<br>-24.85 dB | Average Status<br>Pass |

Test Report No.: G0M-2103-9658-TFC247BL-V01

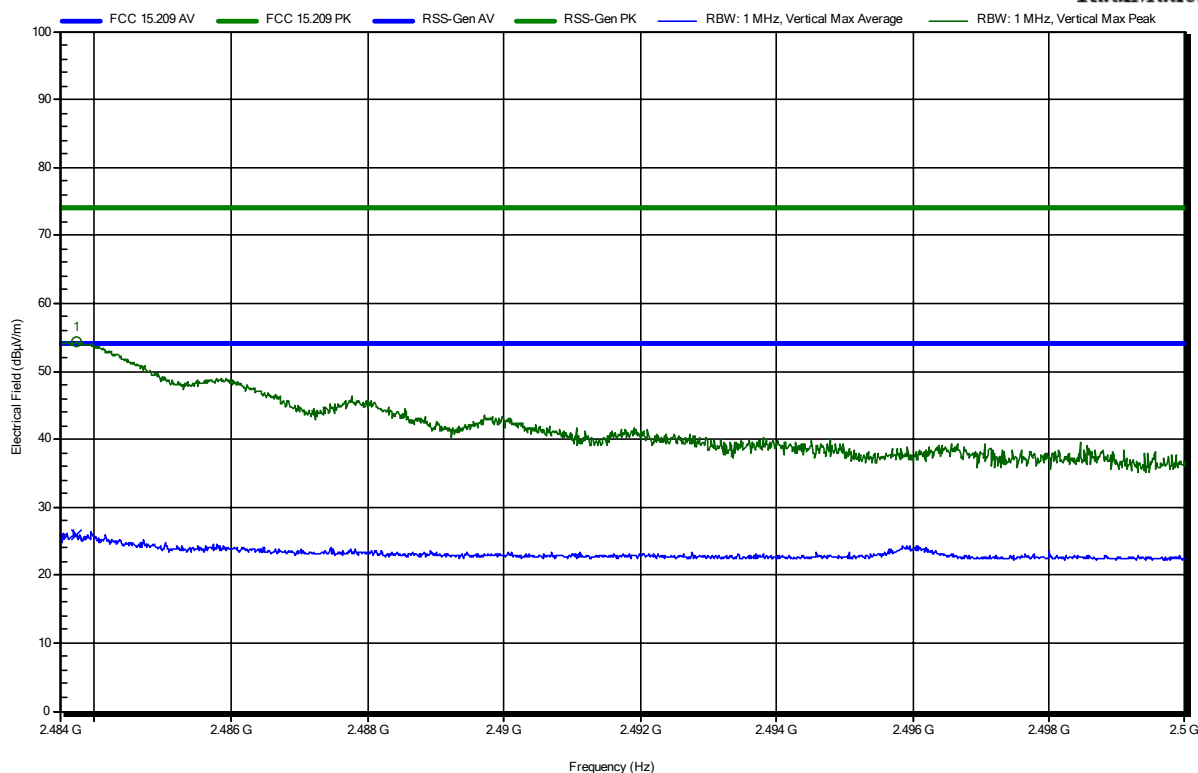
Eurofins Product Service GmbH  
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

## Radiated Spurious Emissions according to RSS-247, 47 CFR Part 15.247

Project Number: G0M-2103-9658  
 Applicant: Philip Morris Products S.A.  
 Model Description: Electronic Vaping System  
 Model: B-1603  
 Test Sample ID: 34118  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Voigt  
 Measurement software: RadiMation, version 2020.1.8  
 Test Conditions: Tnom: 22 °Celsius, Vnom: 120V/60Hz converted to 5 VDC  
 Antenna: Schwarzbeck BBHA 9120B, Vertical  
 Measurement distance: 3 m  
 Mode: Tx; BLE, 2480MHz, 2-GFSK, 1Mbps  
 Test Date: 2021-08-03  
 Note: upper bandedge

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|                         |                         |                            |                                 |                        |
|-------------------------|-------------------------|----------------------------|---------------------------------|------------------------|
| Frequency<br>2.4837 GHz | Peak<br>54.41 dBµV/m    | Peak Limit<br>74 dBµV/m    | Peak Difference<br>-19.59 dB    | Peak Status<br>Pass    |
| Frequency<br>2.4837 GHz | Average<br>25.83 dBµV/m | Average Limit<br>54 dBµV/m | Average Difference<br>-28.17 dB | Average Status<br>Pass |

Test Report No.: G0M-2103-9658-TFC247BL-V01

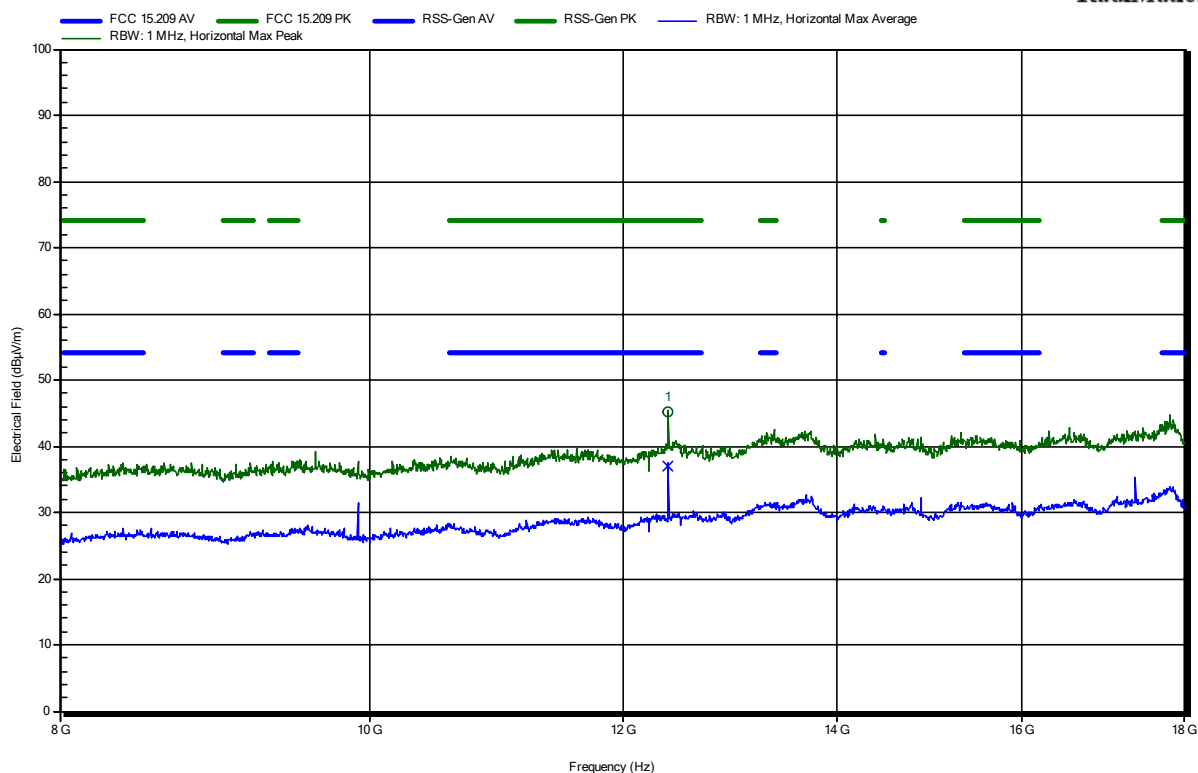
Eurofins Product Service GmbH  
Storkower Str. 38c, D-15526 Reichenwalde, Germany

## Radiated Spurious Emissions according to RSS-247, 47 CFR Part 15.247

Project Number: G0M-2103-9658  
 Applicant: Philip Morris Products S.A.  
 Model Description: Electronic Vaping System  
 Model: B-1603  
 Test Sample ID: 34118  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Voigt  
 Measurement software: RadiMation, version 2020.1.8  
 Test Conditions: Tnom: 22 °Celsius, Vnom: 120V/60Hz converted to 5 VDC  
 Antenna: Schwarzbeck HWRD 650, Horizontal  
 Measurement distance: 3 m  
 Mode: Tx; BLE, 2480MHz, 2-GFSK, 1Mbps  
 Test Date: 2021-08-04  
 Note:

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|                         |                         |                            |                                 |                        |
|-------------------------|-------------------------|----------------------------|---------------------------------|------------------------|
| Frequency<br>12.399 GHz | Peak<br>45.17 dBµV/m    | Peak Limit<br>74 dBµV/m    | Peak Difference<br>-28.83 dB    | Peak Status<br>Pass    |
| Frequency<br>12.399 GHz | Average<br>36.94 dBµV/m | Average Limit<br>54 dBµV/m | Average Difference<br>-17.06 dB | Average Status<br>Pass |

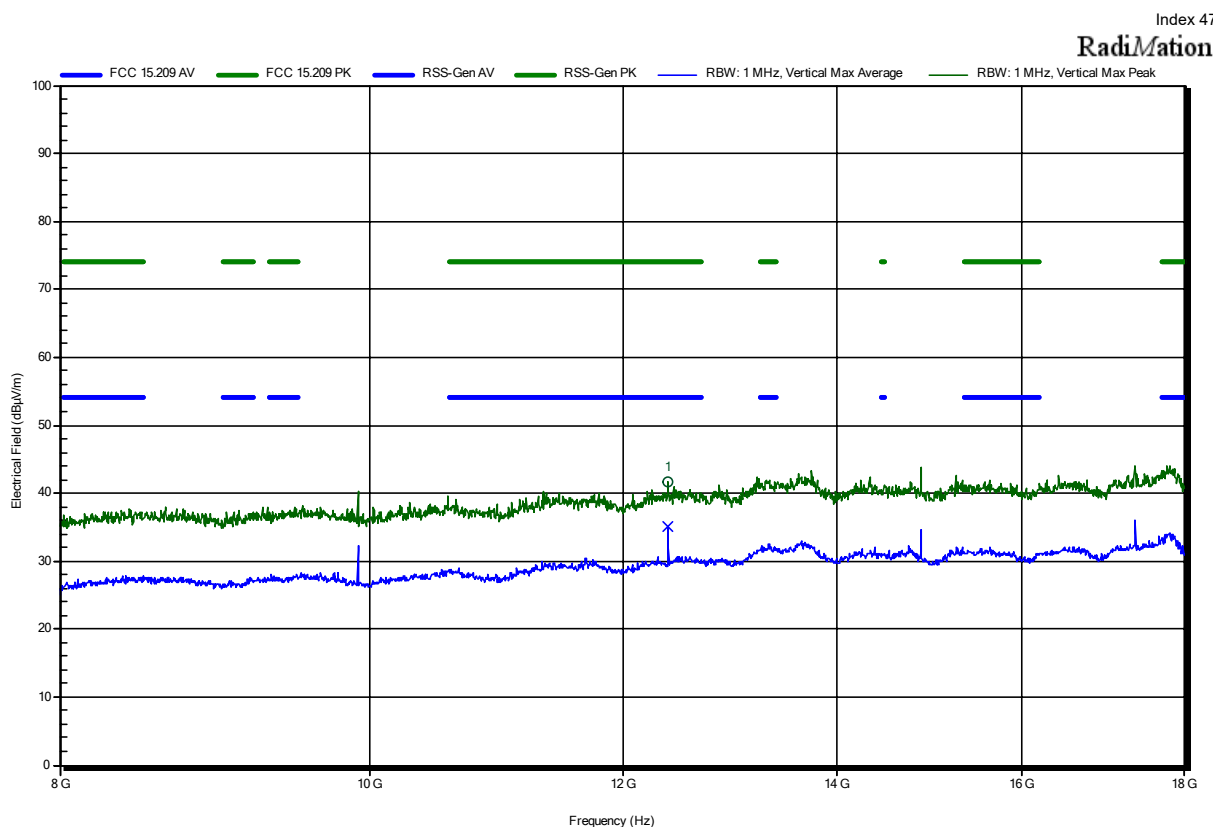
Test Report No.: G0M-2103-9658-TFC247BL-V01

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



## Radiated Spurious Emissions according to RSS-247, 47 CFR Part 15.247

Project Number: G0M-2103-9658  
 Applicant: Philip Morris Products S.A.  
 Model Description: Electronic Vaping System  
 Model: B-1603  
 Test Sample ID: 34118  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Voigt  
 Measurement software: RadiMation, version 2020.1.8  
 Test Conditions: Tnom: 22 °Celsius, Vnom: 120V/60Hz converted to 5 VDC  
 Antenna: Schwarzbeck HWRD 650, Vertical  
 Measurement distance: 3 m  
 Mode: Tx; BLE, 2480MHz, 2-GFSK, 1Mbps  
 Test Date: 2021-08-03  
 Note:



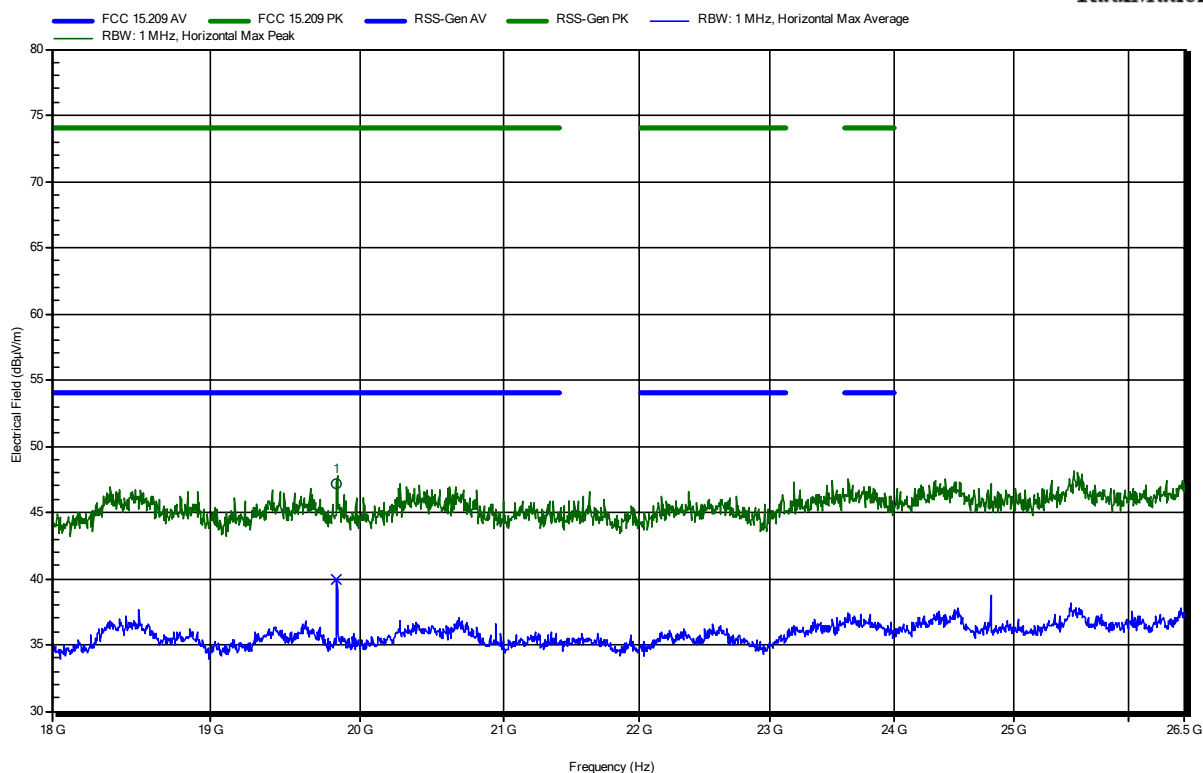
|                         |                         |                            |                                 |                        |
|-------------------------|-------------------------|----------------------------|---------------------------------|------------------------|
| Frequency<br>12.399 GHz | Peak<br>41.62 dBµV/m    | Peak Limit<br>74 dBµV/m    | Peak Difference<br>-32.38 dB    | Peak Status<br>Pass    |
| Frequency<br>12.399 GHz | Average<br>35.01 dBµV/m | Average Limit<br>54 dBµV/m | Average Difference<br>-18.99 dB | Average Status<br>Pass |

## Radiated Spurious Emissions according to RSS-247, 47 CFR Part 15.247

Project Number: G0M-2103-9658  
 Applicant: Philip Morris Products S.A.  
 Model Description: Electronic Vaping System  
 Model: B-1603  
 Test Sample ID: 34118  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Voigt  
 Measurement software: RadiMation, version 2020.1.8  
 Test Conditions: Tnom: 22 °Celsius, Vnom: 120V/60Hz converted to 5 VDC  
 Antenna: Amplifier Research ATH18G40, Horizontal  
 Measurement distance: 3 m  
 Mode: Tx; BLE, 2480MHz, 2-GFSK, 1Mbps  
 Test Date: 2021-08-04  
 Note:

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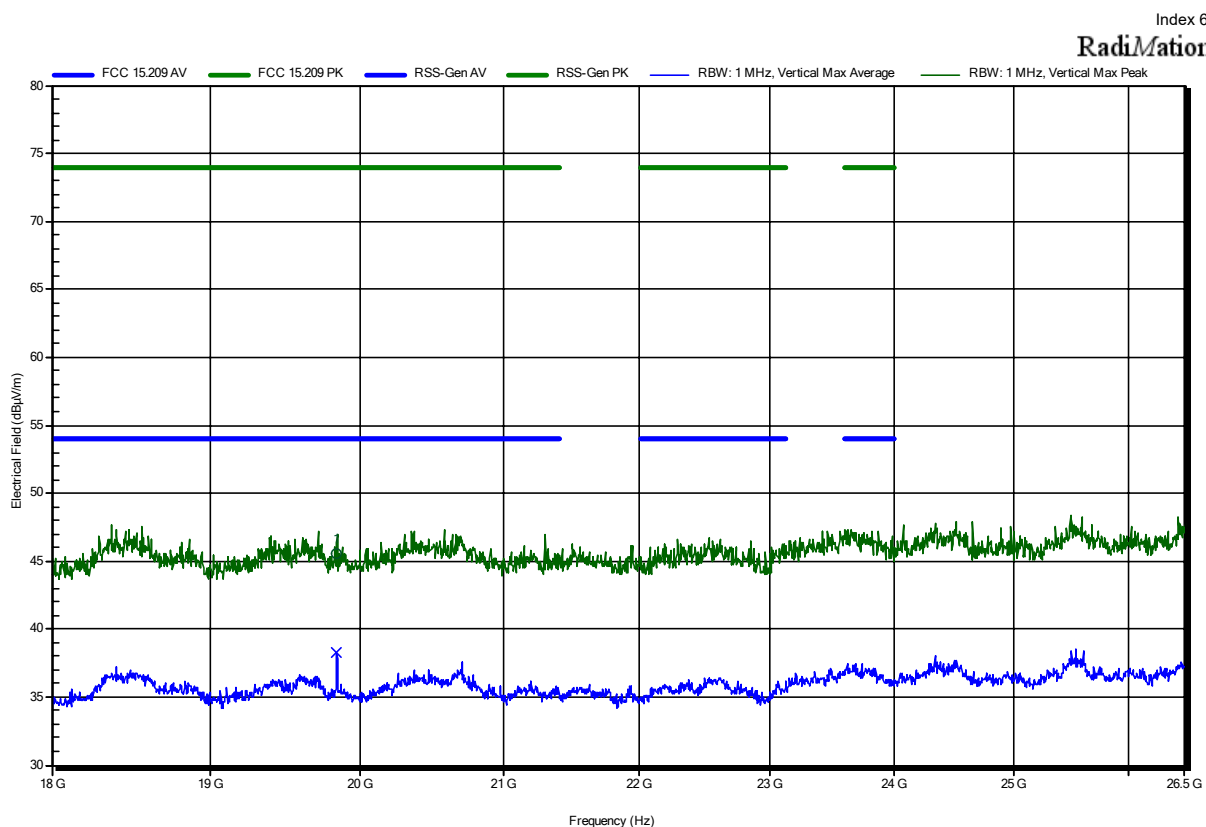
RadiMation



|                         |                         |                            |                                 |                        |
|-------------------------|-------------------------|----------------------------|---------------------------------|------------------------|
| Frequency<br>19.838 GHz | Peak<br>47.22 dBμV/m    | Peak Limit<br>74 dBμV/m    | Peak Difference<br>-26.78 dB    | Peak Status<br>Pass    |
| Frequency<br>19.838 GHz | Average<br>39.96 dBμV/m | Average Limit<br>54 dBμV/m | Average Difference<br>-14.04 dB | Average Status<br>Pass |

## Radiated Spurious Emissions according to RSS-247, 47 CFR Part 15.247

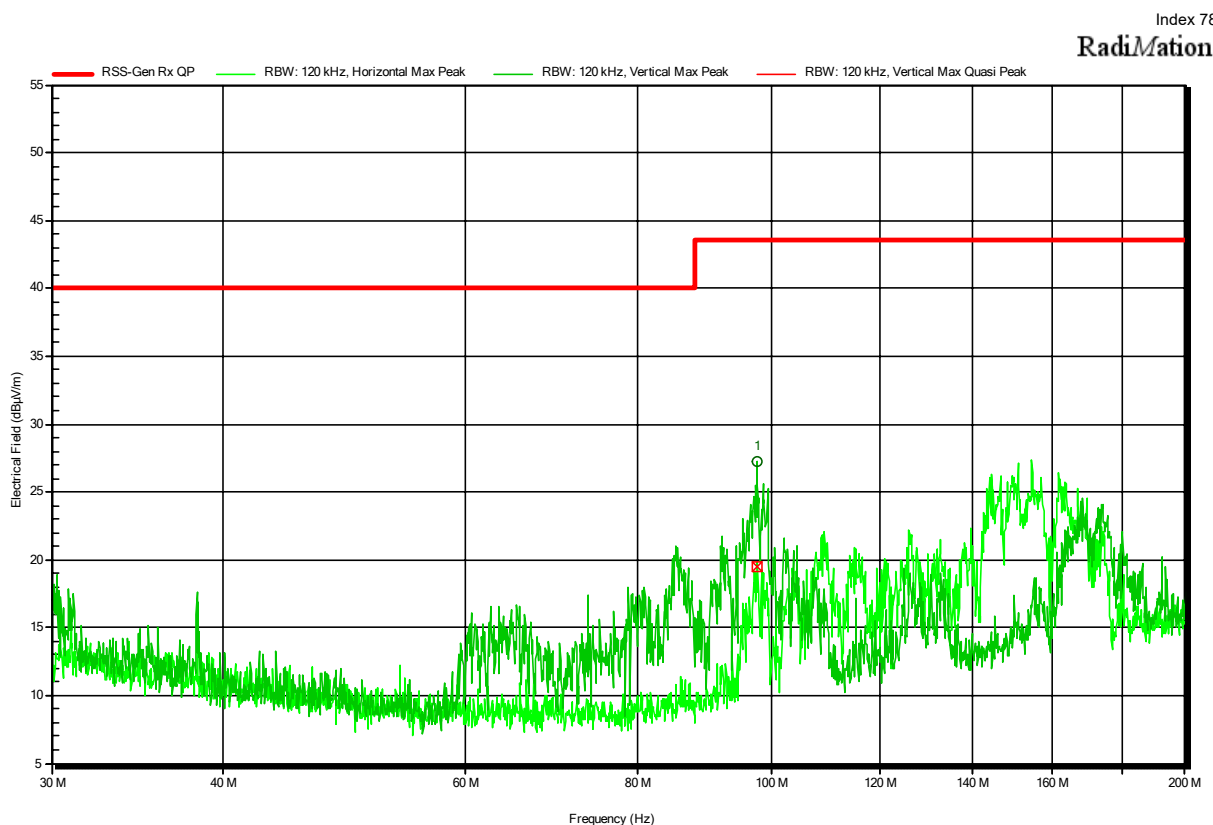
Project Number: G0M-2103-9658  
 Applicant: Philip Morris Products S.A.  
 Model Description: Electronic Vaping System  
 Model: B-1603  
 Test Sample ID: 34118  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Voigt  
 Measurement software: RadiMation, version 2020.1.8  
 Test Conditions: Tnom: 22 °Celsius, Vnom: 120V/60Hz converted to 5 VDC  
 Antenna: Amplifier Research ATH18G40, Vertical  
 Measurement distance: 3 m  
 Mode: Tx; BLE, 2480MHz, 2-GFSK, 1Mbps  
 Test Date: 2021-08-04  
 Note:



## ANNEX B Receiver spurious emissions

### Radiated Spurious Emissions according to RSS-247, 47 CFR Part 15.247

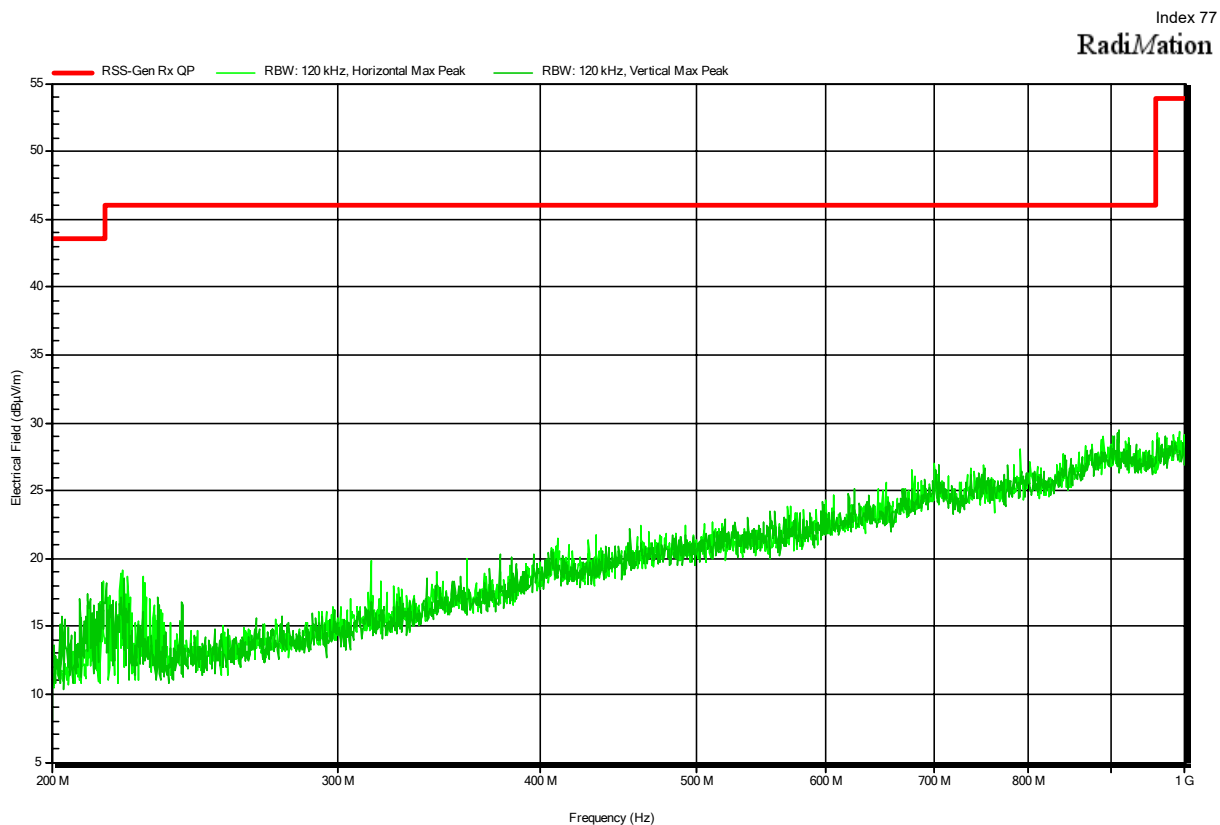
Project Number: G0M-2103-9658  
 Applicant: Philip Morris Products S.A.  
 Model Description: Electronic Vaping System  
 Model: B-1603  
 Test Sample ID: 34118  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Voigt  
 Measurement software: RadiMation, version 2020.1.8  
 Test Conditions: Tnom: 22 °Celsius, Vnom: 120V/60Hz converted to 5 VDC  
 Antenna: Rohde & Schwarz HK 116  
 Measurement distance: 3 m  
 Mode: Rx; BLE, 2440MHz  
 Test Date: 2021-08-06  
 Note:



| Frequency   | Quasi-Peak  | Quasi-Peak Limit | Quasi-Peak Difference | Quasi-Peak Status | Polarization |
|-------------|-------------|------------------|-----------------------|-------------------|--------------|
| 97.5962 MHz | 19.5 dBμV/m | 43.5 dBμV/m      | -23.96 dB             | Pass              | Vertical     |

## Radiated Spurious Emissions according to RSS-247, 47 CFR Part 15.247

Project Number: G0M-2103-9658  
 Applicant: Philip Morris Products S.A.  
 Model Description: Electronic Vaping System  
 Model: B-1603  
 Test Sample ID: 34118  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Voigt  
 Measurement software: RadiMation, version 2020.1.8  
 Test Conditions: Tnom: 22 °Celsius, Vnom: 120V/60Hz converted to 5 VDC  
 Antenna: Rohde & Schwarz HL 223  
 Measurement distance: 3 m  
 Mode: Rx; BLE, 2440MHz  
 Test Date: 2021-08-06  
 Note:

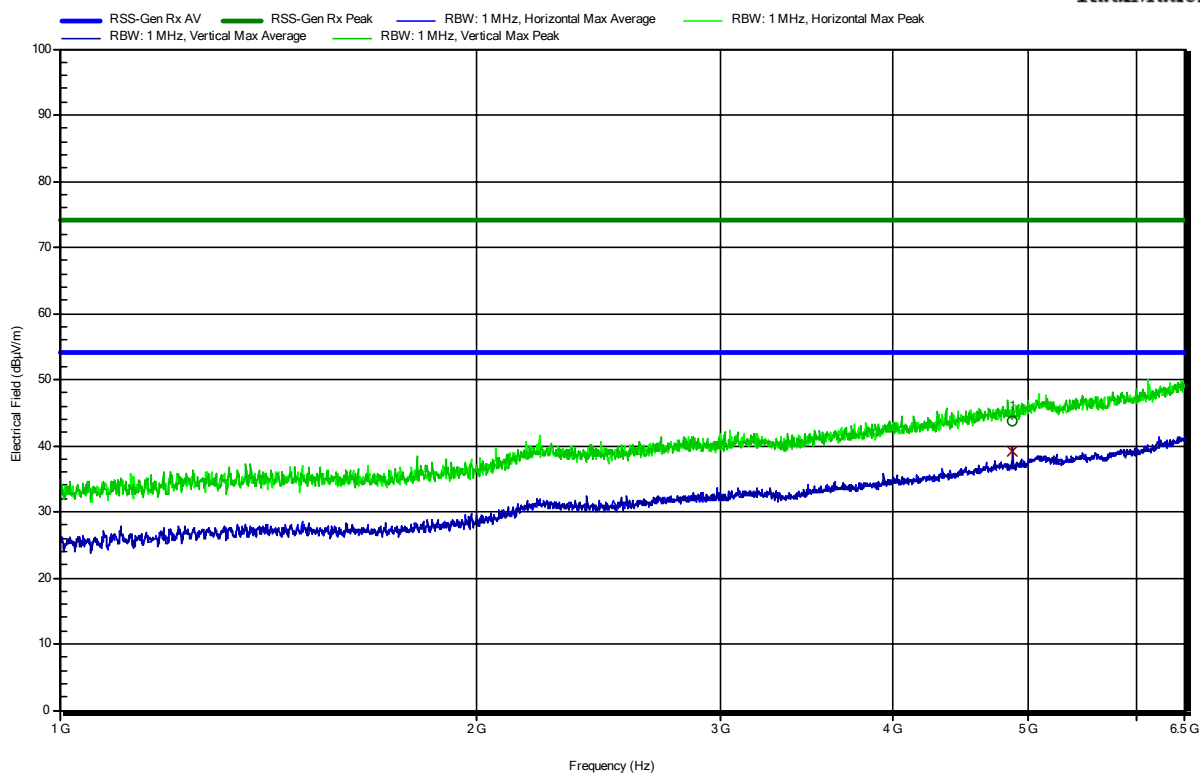


## Radiated Spurious Emissions according to RSS-247, 47 CFR Part 15.247

Project Number: G0M-2103-9658  
 Applicant: Philip Morris Products S.A.  
 Model Description: Electronic Vaping System  
 Model: B-1603  
 Test Sample ID: 34118  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Voigt  
 Measurement software: RadiMation, version 2020.1.8  
 Test Conditions: Tnom: 22 °Celsius, Vnom: 120V/60Hz converted to 5 VDC  
 Antenna: Schwarzbeck BBHA 9120D  
 Measurement distance: 3 m  
 Mode: Rx; BLE, 2440MHz  
 Test Date: 2021-08-06  
 Note:

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|                        |                         |                               |                                 |                        |                          |
|------------------------|-------------------------|-------------------------------|---------------------------------|------------------------|--------------------------|
| Frequency<br>4.877 GHz | Peak<br>43.85 dBµV/m    | Peak Limit<br>53.98 dBµV/m    | Peak Difference<br>-10.13 dB    | Peak Status<br>Pass    | Polarization<br>Vertical |
| Frequency<br>4.877 GHz | Average<br>39.27 dBµV/m | Average Limit<br>53.98 dBµV/m | Average Difference<br>-14.71 dB | Average Status<br>Pass | Polarization<br>Vertical |

Test Report No.: G0M-2103-9658-TFC247BL-V01

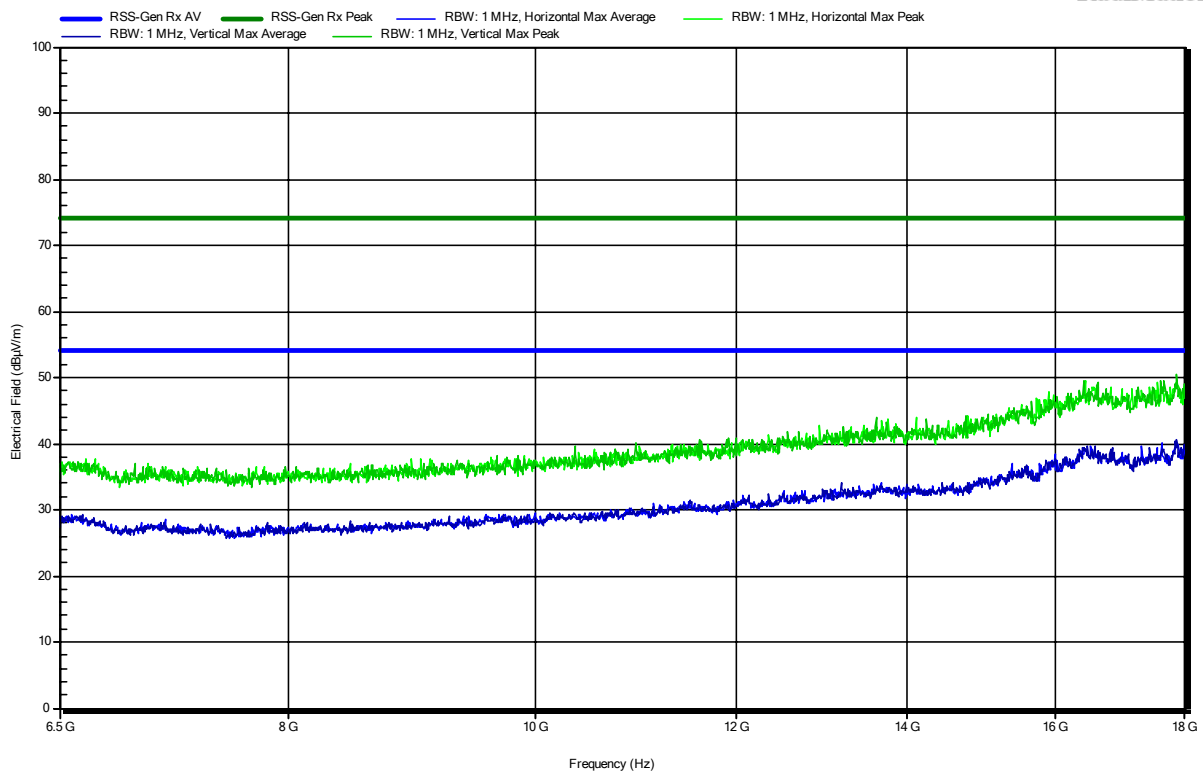
Eurofins Product Service GmbH  
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

## Radiated Spurious Emissions according to RSS-247, 47 CFR Part 15.247

Project Number: G0M-2103-9658  
 Applicant: Philip Morris Products S.A.  
 Model Description: Electronic Vaping System  
 Model: B-1603  
 Test Sample ID: 34118  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Voigt  
 Measurement software: RadiMation, version 2020.1.8  
 Test Conditions: Tnom: 22 °Celsius, Vnom: 120V/60Hz converted to 5 VDC  
 Antenna: Schwarzbeck Schwarzbeck HWRD 650  
 Measurement distance: 3 m  
 Mode: Rx; BLE, 2440MHz  
 Test Date: 2021-08-06  
 Note:

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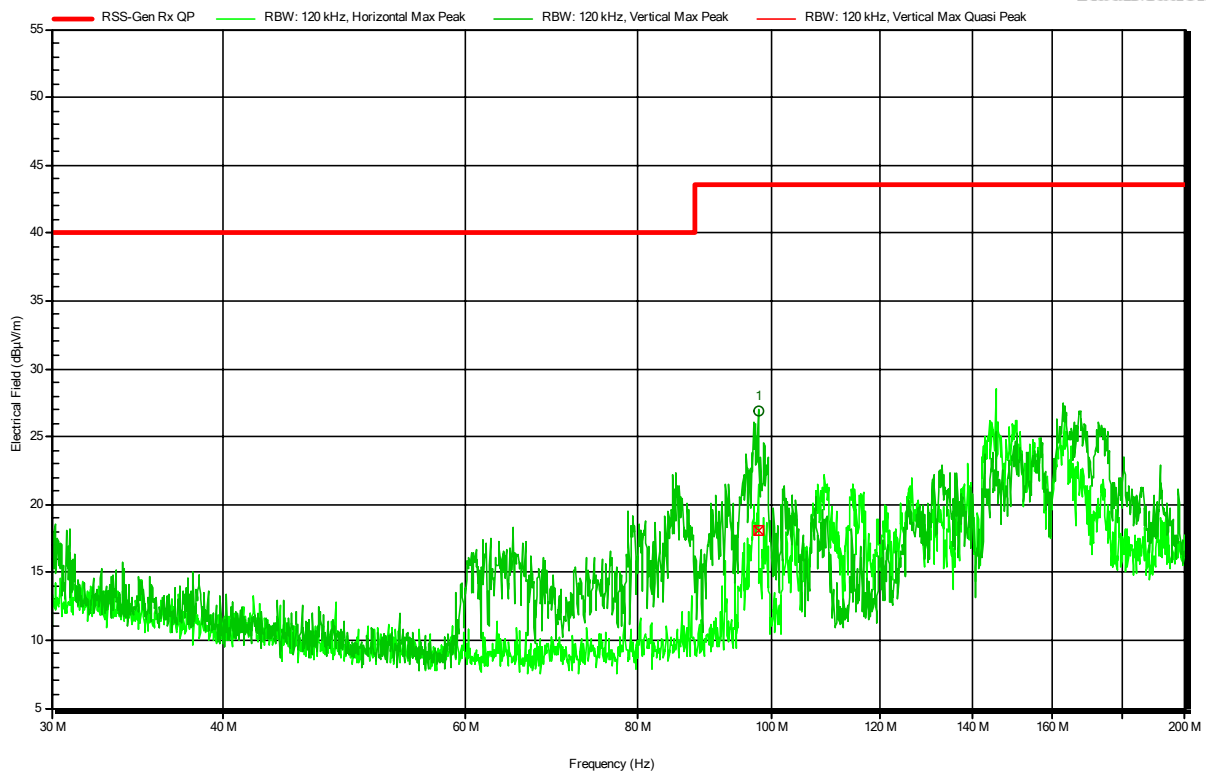


## Radiated Spurious Emissions according to RSS-247, 47 CFR Part 15.247

Project Number: G0M-2103-9658  
 Applicant: Philip Morris Products S.A.  
 Model Description: Electronic Vaping System  
 Model: B-1603 (MALAYSIA PRODUCTION)  
 Test Sample ID: 34112  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Voigt  
 Measurement software: RadiMation, version 2020.1.8  
 Test Conditions: Tnom: 22 °Celsius, Vnom: 120V/60Hz converted to 5 VDC  
 Antenna: Rohde & Schwarz HK 116  
 Measurement distance: 3 m  
 Mode: Rx; BLE, 2440MHz  
 Test Date: 2021-08-06  
 Note:

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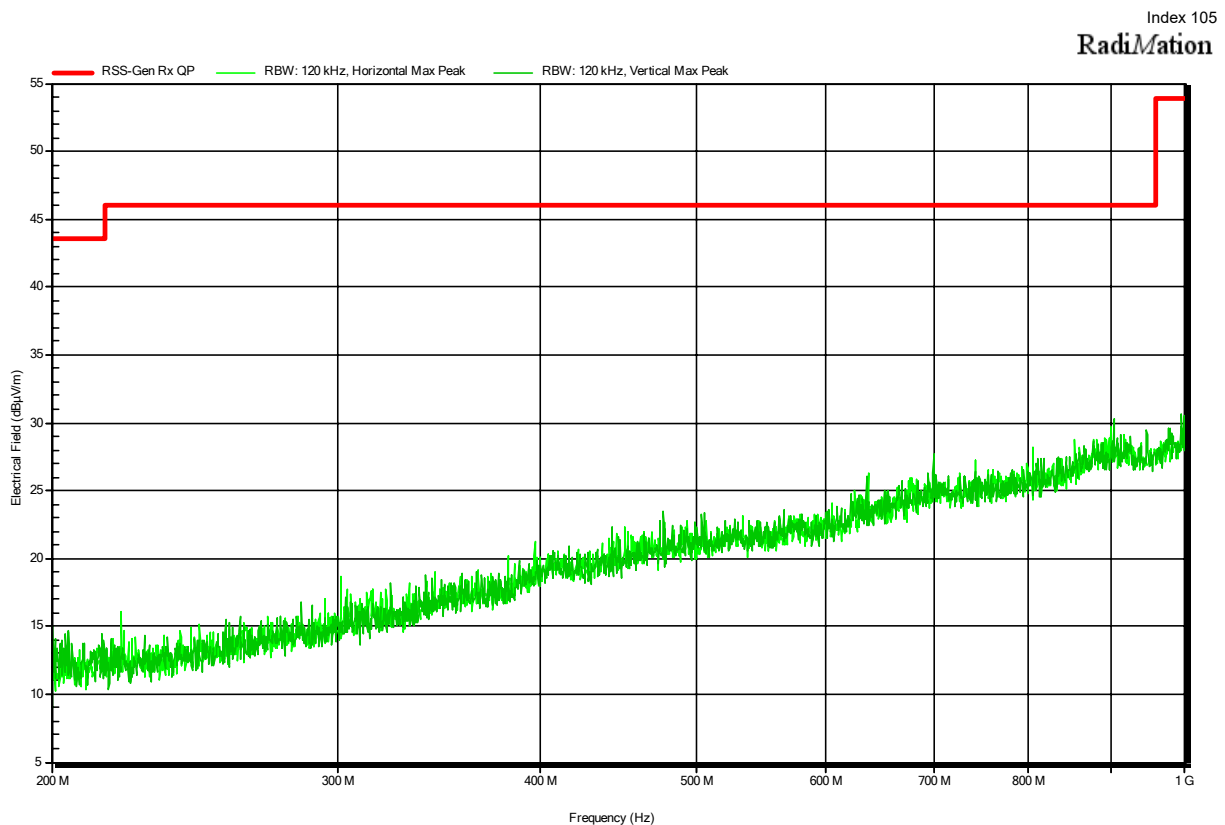


| Frequency  | Quasi-Peak  | Quasi-Peak Limit | Quasi-Peak Difference | Quasi-Peak Status | Polarization |
|------------|-------------|------------------|-----------------------|-------------------|--------------|
| 97.847 MHz | 18.1 dBµV/m | 43.5 dBµV/m      | -25.38 dB             | Pass              | Vertical     |



## Radiated Spurious Emissions according to RSS-247, 47 CFR Part 15.247

Project Number: G0M-2103-9658  
 Applicant: Philip Morris Products S.A.  
 Model Description: Electronic Vaping System  
 Model: B-1603 (MALAYSIA PRODUCTION)  
 Test Sample ID: 34112  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Voigt  
 Measurement software: RadiMation, version 2020.1.8  
 Test Conditions: Tnom: 22 °Celsius, Vnom: 120V/60Hz converted to 5 VDC  
 Antenna: Rohde & Schwarz HL 223  
 Measurement distance: 3 m  
 Mode: Rx; BLE, 2440MHz  
 Test Date: 2021-08-06  
 Note:

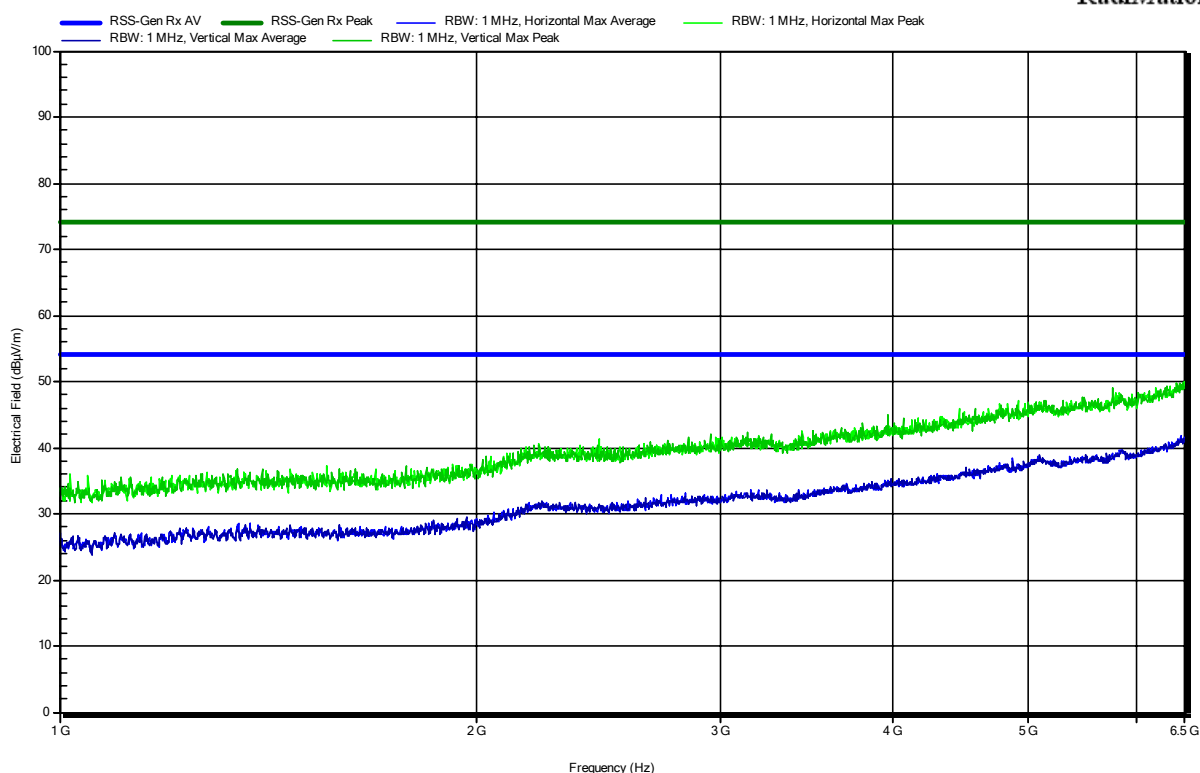


## Radiated Spurious Emissions according to RSS-247, 47 CFR Part 15.247

Project Number: G0M-2103-9658  
 Applicant: Philip Morris Products S.A.  
 Model Description: Electronic Vaping System  
 Model: B-1603 (MALAYSIA PRODUCTION)  
 Test Sample ID: 34112  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Voigt  
 Measurement software: RadiMation, version 2020.1.8  
 Test Conditions: Tnom: 22 °Celsius, Vnom: 120V/60Hz converted to 5 VDC  
 Antenna: Schwarzbeck BBHA 9120D  
 Measurement distance: 3 m  
 Mode: Rx; BLE, 2440MHz  
 Test Date: 2021-08-06  
 Note:

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## Radiated Spurious Emissions according to RSS-247, 47 CFR Part 15.247

Project Number: G0M-2103-9658  
 Applicant: Philip Morris Products S.A.  
 Model Description: Electronic Vaping System  
 Model: B-1603 (MALAYSIA PRODUCTION)  
 Test Sample ID: 34112  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Voigt  
 Measurement software: RadiMation, version 2020.1.8  
 Test Conditions: Tnom: 22 °Celsius, Vnom: 120V/60Hz converted to 5 VDC  
 Antenna: Schwarzbeck Schwarzbeck HWRD 650  
 Measurement distance: 3 m  
 Mode: Rx; BLE, 2440MHz  
 Test Date: 2021-08-06  
 Note:

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