



# 시험 성적서

## TEST REPORT

페이지(page) : (1) / 총(Total) (41)



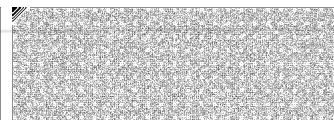
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|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| 성적서 번호<br>Report No.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                          | ICRT-TR-E262146-0A                                                                                                                                                                                                       |  |
| 신청자<br>Client                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 기관명<br>Name              | bHaptics Inc.                                                                                                                                                                                                            |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 주소<br>Address            | 201-B, 361-17, Gapcheon-ro, Yuseong-gu, Daejeon, South Korea                                                                                                                                                             |  |
| 시험대상품목<br>Sample description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                          | TactGlove DK3                                                                                                                                                                                                            |  |
| 모델명<br>Type description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          | BHTG08M1D                                                                                                                                                                                                                |  |
| 정격<br>Ratings                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                          | DC 3.8 V                                                                                                                                                                                                                 |  |
| 시험장소<br>Place of test                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                          | <input checked="" type="checkbox"/> 고정시험실(Permanent Testing Lab) <input type="checkbox"/> 현장시험(On Site Testing)<br>주소지(Address): 112, 113 Hwanggeum 3-ro 7beon-gil, Hagun-ri, Yangchon-eup, Gimpo-si, Gyeonggi-do, Korea |  |
| 시험기간<br>Date of test                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                          | 07. July. 2026 ~ 09. July. 2026                                                                                                                                                                                          |  |
| 시험방법/항목<br>Test Method/Item                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                          | FCC Part 15 Subpart C<br>IC RSS-Gen & RSS-247                                                                                                                                                                            |  |
| 시험결과<br>Test Results                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                          | Refer to 3. Test Summary                                                                                                                                                                                                 |  |
| 확인<br>Affirmation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 작성자<br>Tested by         | 기술책임자<br>Technical Manager                                                                                                                                                                                               |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 성명<br>Name Eun-Hye, Kwak | 성명<br>Name Yong-Min, Won                                                                                                                                                                                                 |  |
| <input type="checkbox"/> 위 성적서는 고객이 제공한 시료에 대한 시험결과입니다.<br><input type="checkbox"/> The above test report is certified that the above mentioned products have been tested for the sample.<br><input type="checkbox"/> 위 성적서는 KS Q ISO/IEC 17025 및 한국인정기구(KOLAS)인정과 관련이 없습니다.<br><input type="checkbox"/> The above test report is not related to accreditation by KS Q ISO/IEC 17025 and Korea Laboratory Accreditation scheme.<br><input type="checkbox"/> 위 성적서는 주식회사 아이씨알의 승인 없이는 일부 복제에 대해 금지됩니다.<br><input type="checkbox"/> The test report is prohibited for some reproduction without the approval of the ICR. |                          |                                                                                                                                                                                                                          |  |
| <b>2026. 07. 10</b><br><b>주식회사 아이씨알 대표이사</b><br>The head of INTERNATIONAL CERTIFICATION REG-STRAR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                          |                                                                                                                                                                                                                          |  |

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The authenticity of the test report can be checked on the G4B or ICR website.

경기도 김포시 양촌읍 황금3로7번길 112 / Tel: 02-6351-9001 ~ 6

112, Hwanggeum3-ro 7beon-gil, Yangchon-eup, Gimpo-si, Gyeonggi-do, Korea / Tel: 02-6351-9001 ~ 6





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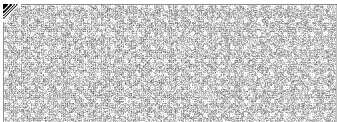
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|--------------------------------------------------------------------------|------------------|
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Revision History

| Issued Report No.  | Issued Date  | Revisions     | Effect Section |
|--------------------|--------------|---------------|----------------|
| ICRT-TR-E262146-0A | 2026. 07. 10 | Initial Issue | All            |
|                    |              |               |                |
|                    |              |               |                |





## 1. Applicant & Manufacturer & Test Laboratory Information

### 1.1 Applicant information

|           |                                                                    |
|-----------|--------------------------------------------------------------------|
| Applicant | BHAPTICS INC                                                       |
| Address   | 201-B, 361-17, Gapcheon-ro, Yuseong-gu, Daejeon, Republic of Korea |

### 1.2 Manufacturer Information

|           |                                                                    |
|-----------|--------------------------------------------------------------------|
| Applicant | BHAPTICS INC                                                       |
| Address   | 201-B, 361-17, Gapcheon-ro, Yuseong-gu, Daejeon, Republic of Korea |

### 1.3 Test Laboratory Information

|               |                                                                                     |
|---------------|-------------------------------------------------------------------------------------|
| Laboratory    | ICR Co., Ltd.                                                                       |
| Address       | 112, Hwanggeum 3-ro 7beon-gil, Hagun-ri, Yangchon-eup, Gimpo-si, Gyeonggi-do, Korea |
| Telephone No. | +82-2-6351-9002                                                                     |
| Fax No.       | +82-2-6351-9007                                                                     |
| KOLAS No.     | KT652                                                                               |
| KC & FCC      | KR0165                                                                              |

### 1.4 Measurement Uncertainty

| Parameter                                         | Uncertainty | Limit   |
|---------------------------------------------------|-------------|---------|
| Occupied Channel Bandwidth                        | 0.14%       | ±5 %    |
| RF output power, conducted                        | 0.85 dB     | ±1.5 dB |
| Power Spectral Density, conducted                 | 1.44 dB     | ±3 dB   |
| Unwanted Emissions, conducted                     | 1.35 dB     | ±3 dB   |
| Supply voltages                                   | 0.02%       | ±3 %    |
| Time                                              | 0.58%       | ±5 %    |
| All emissions, radiated (Under the 30 MHz)        | 2.10 dB     | ±6 dB   |
| All emissions, radiated (Range 30 MHz ~ 1 GHz)    | 1.95 dB     | ±6 dB   |
| All emissions, radiated (Range 1 GHz ~ 18 GHz)    | 2.47 dB     | ±6 dB   |
| All emissions, radiated (Range 18 GHz ~ 26.5 GHz) | 2.61 dB     | ±6 dB   |





## 2. Equipment under Test(EUT) Information

### 2.1 General Information

|                           |                 |
|---------------------------|-----------------|
| Product Name              | TactGlove DK3   |
| Model Name                | BHTG08M1D       |
| Additional Model Name     | -               |
| FCC ID                    | 2AJ6BBHTG08M1D  |
| ISED certification number | 24747-BHTG08M1D |
| Serial number             | W7EH-4H8L-XV    |
| Power Supply              | DC 3.8 V        |

### 2.2 Additional Information

|                     |                                 |                       |
|---------------------|---------------------------------|-----------------------|
| Equipment Class     | DTS-Digital Transmission System |                       |
| Device Type         | Stand-alone                     |                       |
| Operating Frequency | Bluetooth LE 1M                 | 2 402 MHz ~ 2 480 MHz |
| Number of Channel   | Bluetooth LE 1M                 | 40                    |
| Modulation Type     | Bluetooth LE 1M                 | GFSK                  |
| Antenna Type        | Chip Antenna                    |                       |
| Antenna Gain        | 0.5 dBi                         |                       |

### 2.3 Modifications of EUT

- None





### 3. Test Summary

#### 3.1 Test standards and results

| FCC Part 15 Subpart C & IC RSS-Gen & RSS-247 |                                          |                                         |         |         |
|----------------------------------------------|------------------------------------------|-----------------------------------------|---------|---------|
| FCC Part Clause                              | RSS Clause                               | Test items                              | Applied | Results |
| §15.247 (a) (2)                              | RSS-247 6.3.1(a)                         | 6 dB Bandwidth                          | ■       | PASS    |
| -                                            | RSS-Gen 6.7                              | 99 % Bandwidth                          | ■       | PASS    |
| §15.247 (b) (3)                              | RSS-247 6.3.2                            | Maximum Conducted Output Power          | ■       | PASS    |
| §15.247 (e)                                  | RSS-247 6.3.1(b)                         | Power Spectral Density                  | ■       | PASS    |
| §15.247 (d)                                  | RSS-247 6.6                              | Conducted Spurious Emission & Band edge | ■       | PASS    |
| §15.247 (d) & §15.209 & §15.205              | RSS-Gen 8.9 & RSS-Gen 8.10 & RSS-247 6.6 | Radiated Spurious Emission              | ■       | PASS    |
| §15.207 (a)                                  | RSS-Gen 8.8                              | AC Conducted Emissions                  | ■       | PASS    |

※The X-, Y-, and Z-axis orientations were compared, and the Y-axis orientation was selected for testing because it exhibited the highest output level.

#### 3.2 Purpose of the test

To determine whether the equipment under test fulfills the requirements of the standards stated in FCC Part 15 Subpart C Section 15.247 and ISSED RSS

#### 3.3 Test Methodology

- Both conducted and radiated testing was performed according to the procedures in ANSI C63.10-2020. Radiated testing was performed at a distance of 3 m from EUT to the antenna.

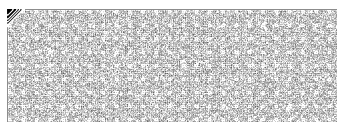
#### 3.4 Configuration of Test System

- Both conducted and radiated testing was performed according to the procedures in ANSI C63.10-2020. Radiated testing was performed at a distance of 3 m from EUT to the antenna.

##### 3.4.1 Radiated emission test

- Preliminary radiated emissions test were conducted using the procedure in ANSI C63.10-2020 to determine the worse operating conditions. Final radiated emission tests were conducted at 3 m Semi Anechoic Chamber.

The turntable was rotated through 360 degrees and the EUT was tested by positioned three orthogonal planes to obtain the highest reading on the field strength meter. Once maximum reading was determined, the search antenna was raised and lowered in both vertical and horizontal polarization.





### 3.5 Antenna requirement

- According to RSS-Gen Section 6.8, The applicant for equipment certification shall provide a list of all antenna types that may be used with the transmitter, where applicable (i.e. for transmitters with detachable antenna), indicating the maximum permissible antenna gain (in dBi) and the required impedance for each antenna. The test report shall demonstrate the compliance of the transmitter with the limit for maximum equivalent isotropically radiated power (e.i.r.p.) specified in the applicable RSS, when the transmitter is equipped with any antenna type, selected from this list.

For expediting the testing, measurements may be performed using only the antenna with highest gain of each combination of transmitter and antenna type, with the transmitter output power set at the maximum level.

However, the transmitter shall comply with the applicable requirements under all operational conditions and when in combination with any type of antenna from the list provided in the test report (and in the notice to be included in the user manual, provided below).

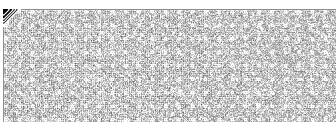
When measurements at the antenna port are used to determine the RF output power, the effective gain of the device's antenna shall be stated, based on a measurement or on data from the antenna's manufacturer.

The test report shall state the RF power, output power setting and spurious emission measurements with each antenna type that is used with the transmitter being tested.

Immediately following the above notice, the manufacturer shall provide a list of all antenna types which can be used with the transmitter, indicating the maximum permissible antenna gain (in dBi) and the required impedance for each antenna type.

#### Result: Pass

The transmitter has a **Chip Antenna**. The directional gain of the antenna is **0.5 dBi**.





## 4. Test Result

### 4.1. 6 dB Bandwidth & 99 % Bandwidth

#### 4.1.1 Test procedure

ANSI C63.10-2020 Clause 11.8  
RSS-Gen 6.7 & ANSI C63.10-2020 6.9.3

#### 4.1.2 Limit

§15.247 (a) (2)  
Systems using digital modulation techniques may operate in the 902–928 MHz, 2400–2483.5 MHz, and 5725–5850 MHz bands. The minimum 6 dB bandwidth shall be at least 500 kHz.

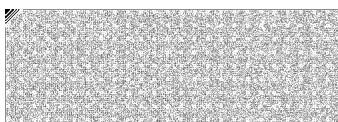
RSS-247 6.3.1(a)

The following applies to the bands 902-928 MHz and 2400-2483.5 MHz:  
the minimum 6 dB bandwidth shall be 500 kHz.

#### 4.1.3 Test data

Result : Pass

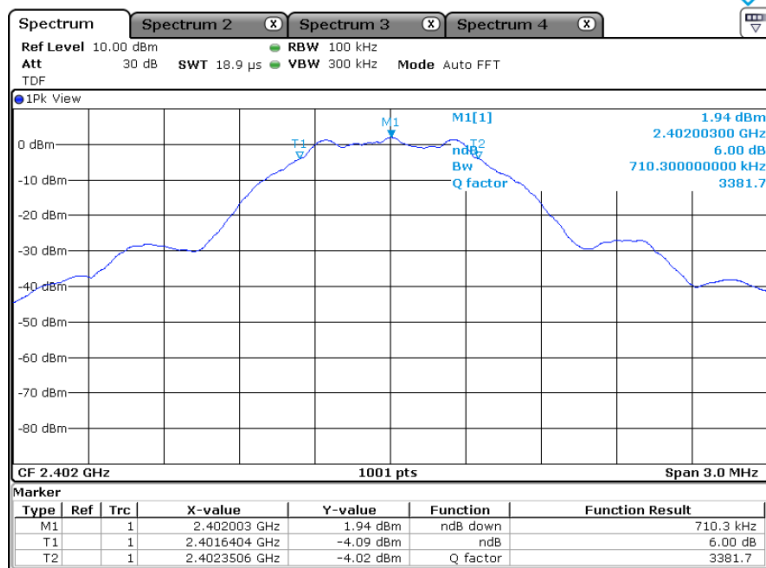
| Mode            | Frequency (MHz) | 6 dB Bandwidth Measured Value (kHz) | 99% Bandwidth Measured Value (kHz) | Limit (kHz)  |
|-----------------|-----------------|-------------------------------------|------------------------------------|--------------|
| Bluetooth LE 1M | 2 402           | 710.3                               | 1 048.95                           | at least 500 |
|                 | 2 440           | 716.3                               | 1 051.95                           |              |
|                 | 2 480           | 713.3                               | 1 051.95                           |              |





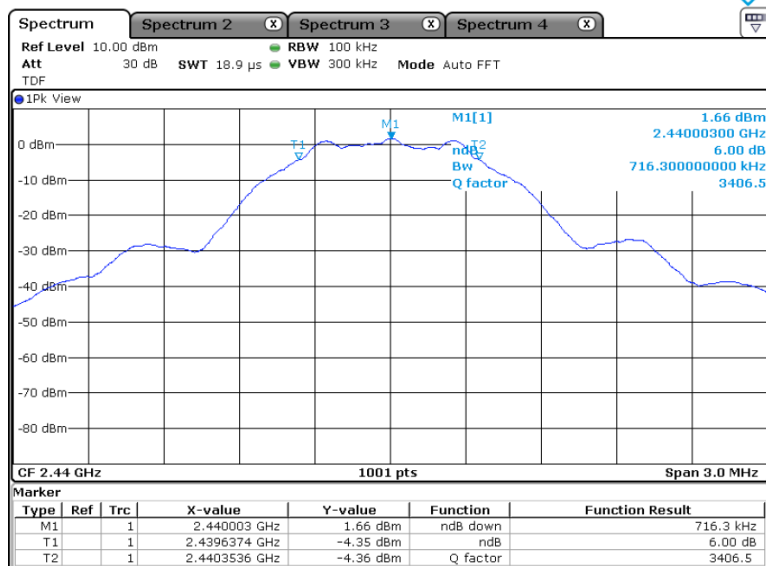
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## Low ch\_6 dB Bandwidth



Date: 7.JUL.2026 09:26:21

## Mid ch\_6 dB Bandwidth



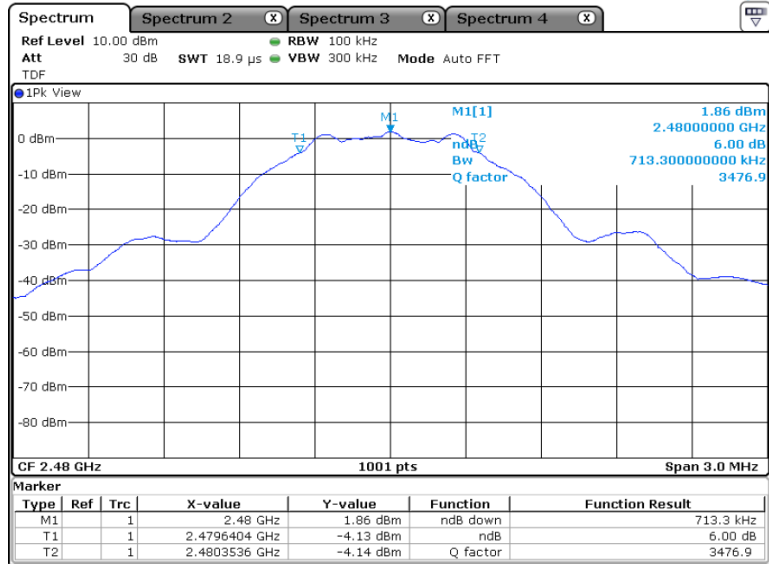
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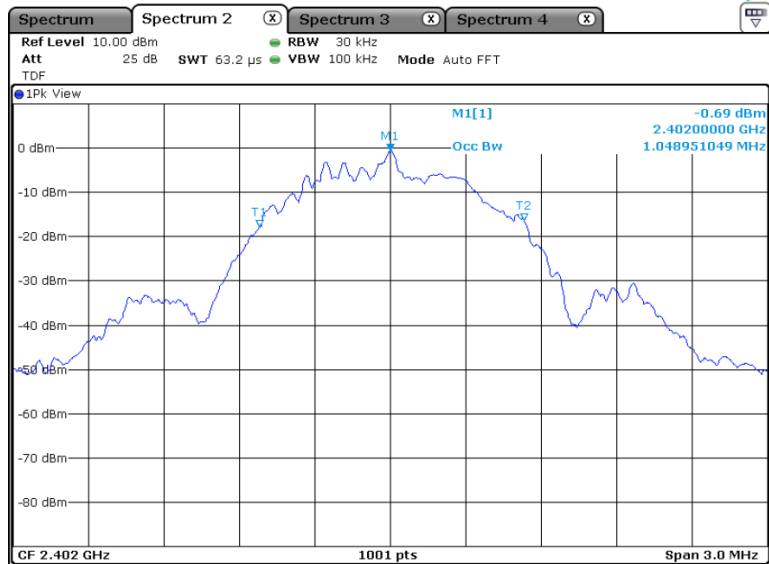
page : (10) / Total (41)

## High ch\_6 dB Bandwidth

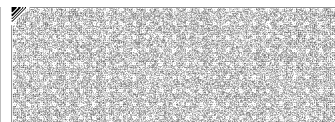


Date: 7.JUL.2026 09:31:02

## Low ch\_99% Bandwidth



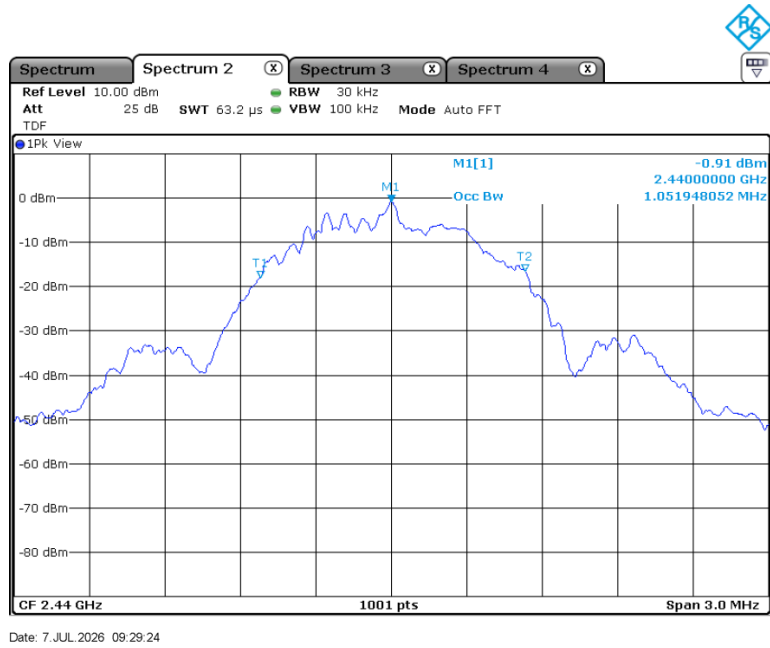
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## Mid ch\_99% Bandwidth



## High ch\_99% Bandwidth





## 4.2 Maximum Conducted Output Power

### 4.2.1 Test procedure

ANSI C63.10-2020 Clause 11.9

### 4.2.2 Limit

§15.247 (b) (3)

For systems using digital modulation in the 902–928 MHz, 2400–2483.5 MHz, and 5725–5850 MHz bands: 1 Watt. As an alternative to a peak power measurement, compliance with the one Watt limit can be based on a measurement of the maximum conducted output power. Maximum Conducted Output Power is defined as the total transmit power delivered to all antennas and antenna elements averaged across all symbols in the signaling alphabet when the transmitter is operating at its maximum power control level. Power must be summed across all antennas and antenna elements. The average must not include any time intervals during which the transmitter is off or is transmitting at a reduced power level. If multiple modes of operation are possible (e.g., alternative modulation methods), the maximum conducted output power is the highest total transmit power occurring in any mode.

RSS-247 6.3.2

For DTS operating in the band 2400-2483.5 MHz, the maximum peak conducted output power shall not exceed 1W, and the e.i.r.p. shall not exceed 4 W, except as provided in section 6.5 a) and b). As an alternative to a peak power measurement, compliance can be based on a measurement of the maximum conducted output power.

### 4.2.3 Test data

Result : Pass

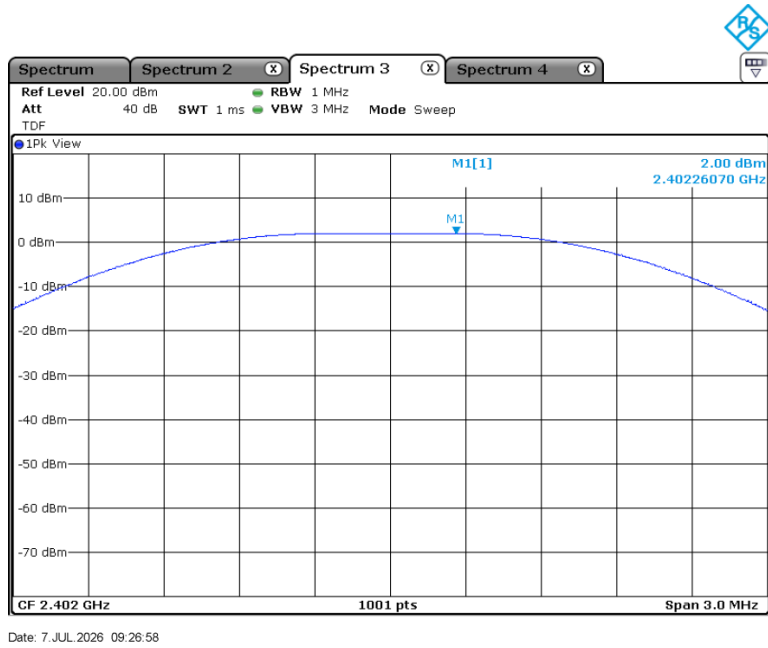
| Mode            | Frequency (MHz) | Measured Value (dBm) | Limit (dBm) |
|-----------------|-----------------|----------------------|-------------|
| Bluetooth LE 1M | 2 402           | 2.00                 | 30          |
|                 | 2 440           | 1.74                 |             |
|                 | 2 480           | 2.15                 |             |



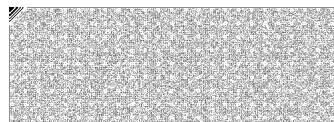
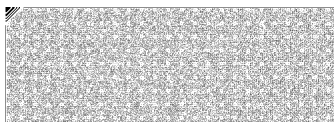
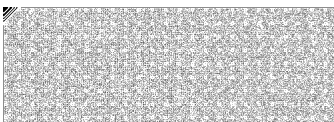
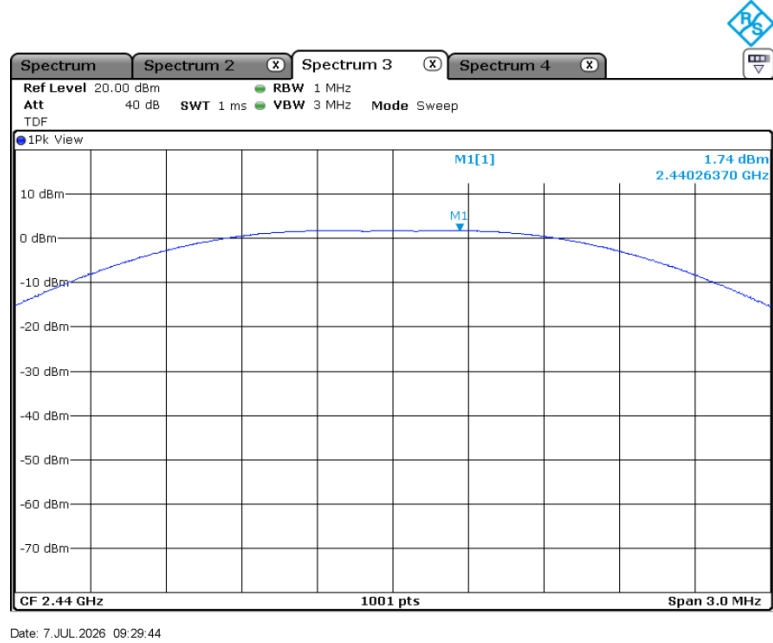


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## Low ch\_Conducted Output Power

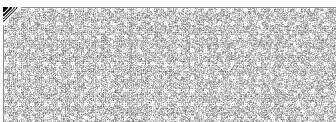
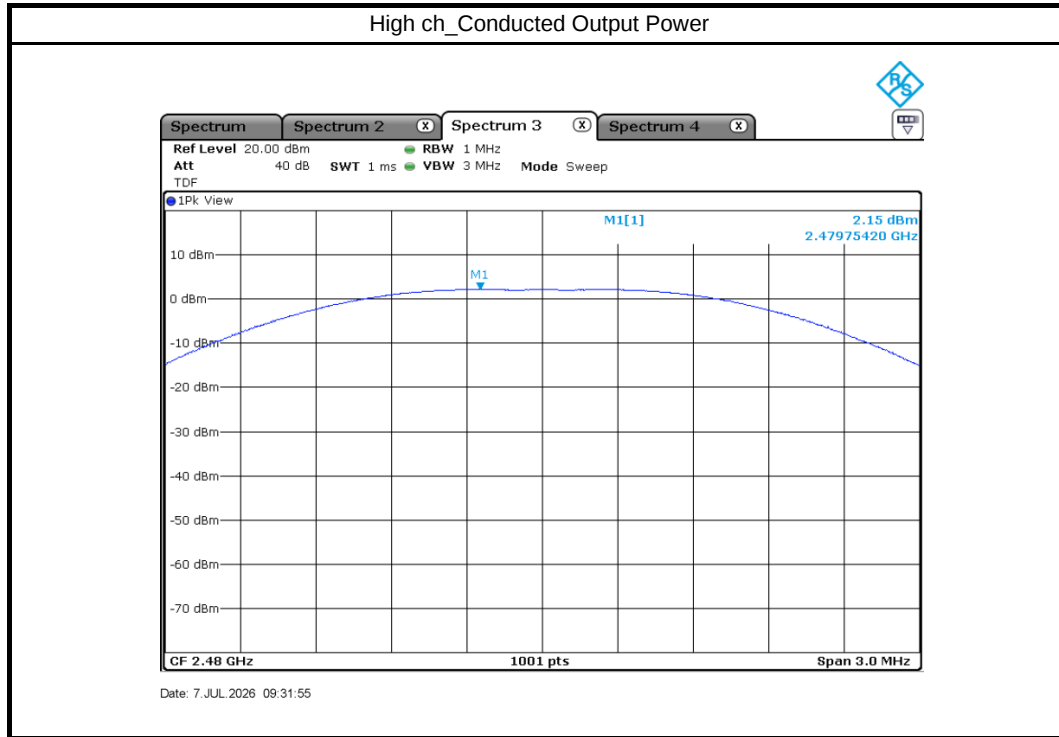


## Mid ch\_Conducted Output Power





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## 4.3 Power Spectral Density

### 4.3.1 Test procedure

ANSI C63.10-2020 Clause 11.10

### 4.3.2 Limit

§15.247 (e)

For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission. This power spectral density shall be determined in accordance with the provisions of paragraph (b) of this section. The same method of determining the conducted output power shall be used to determine the power spectral density.

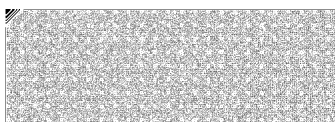
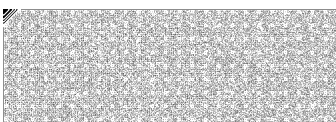
RSS-247 6.3.1(b)

The transmitter power spectral density conducted from the transmitter to the antenna(s) shall not be greater than 8 dBm/3 kHz band during any time interval of continuous transmission. This power spectral density shall be determined in accordance with the provisions of section 6.3.2 The power spectral density shall be determined using the same method as is used to determine the maximum conducted output power.

### 4.3.3 Test data

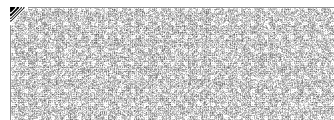
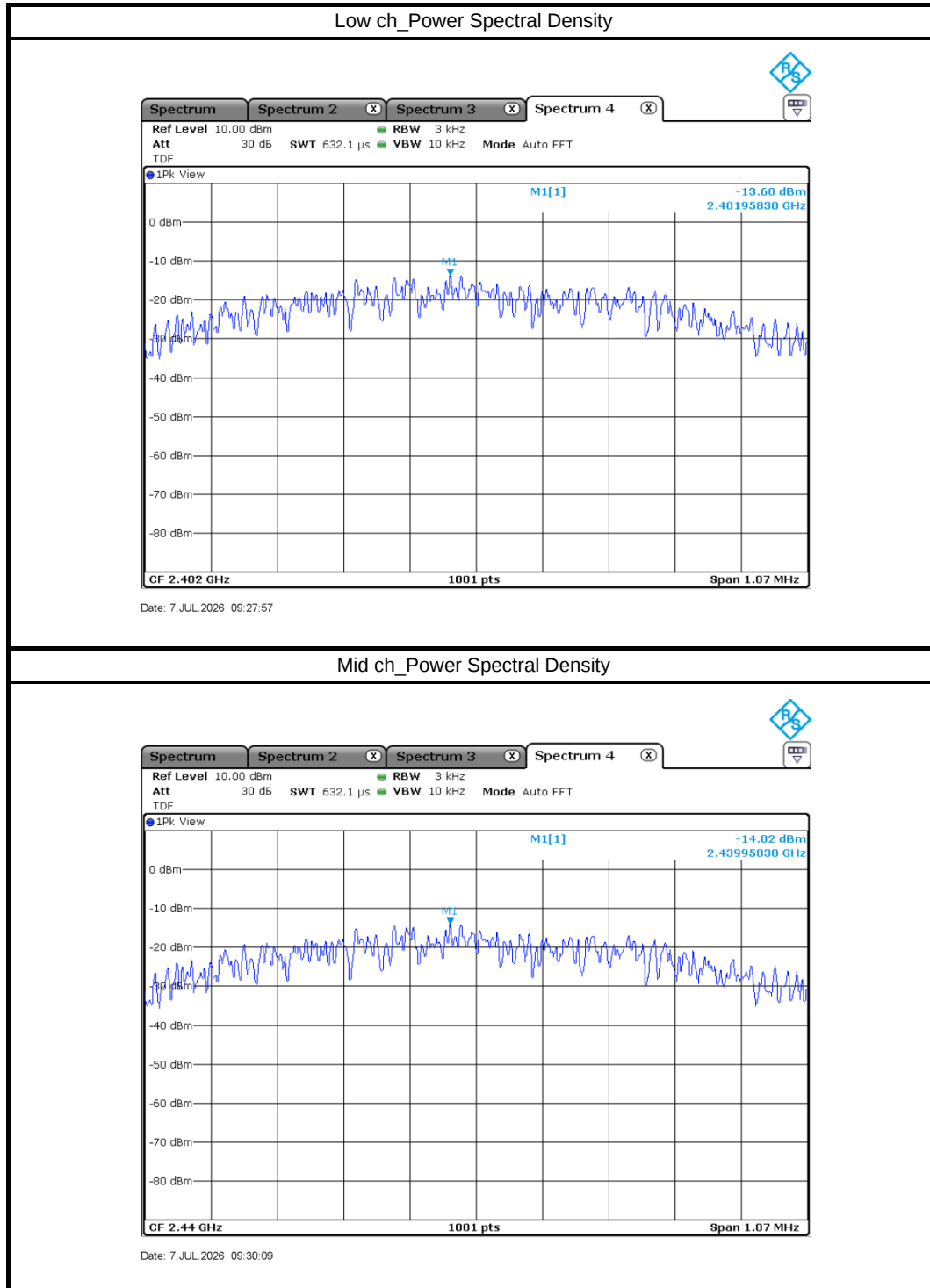
Result : Pass

| Mode            | Frequency (MHz) | Measured Value (dBm/3 kHz) | Limit (dBm/3 kHz) |
|-----------------|-----------------|----------------------------|-------------------|
| Bluetooth LE 1M | 2 402           | -13.60                     | 8                 |
|                 | 2 440           | -14.02                     |                   |
|                 | 2 480           | -13.81                     |                   |



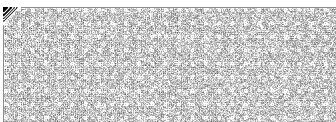
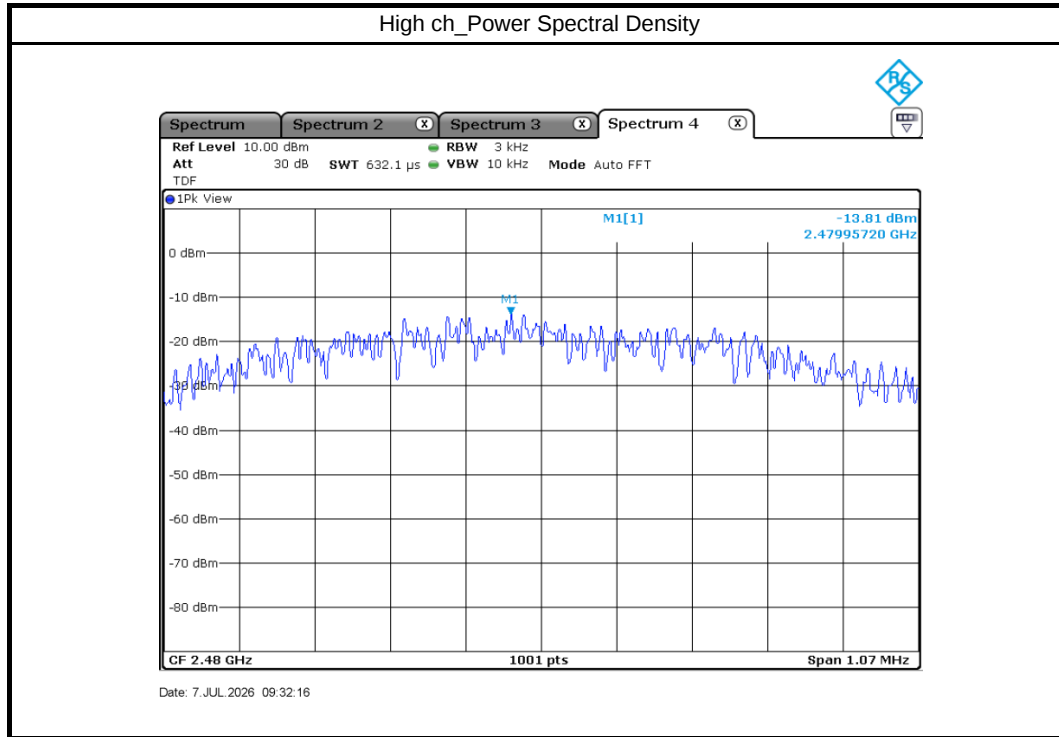


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## 4.4 Conducted Spurious Emission & Band Edge

### 4.4.1 Test procedure

ANSI C63.10-2020 Clause 11.11, 11.12

### 4.4.2 Limit

§15.247 (d)

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in § 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a) (see § 15.205(c)).

RSS-247 6.6

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum device, digitally modulated device, or hybrid system is operating, the RF power that is produced shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power – based on either an RF conducted or a radiated measurement – provided that the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of root-mean-square averaging over a time interval, as permitted under section 6.3.2, the attenuation required shall be 30 dB instead of 20 dB. Attenuation below the general field strength limits specified in RSS-Gen is not required.

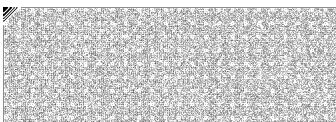
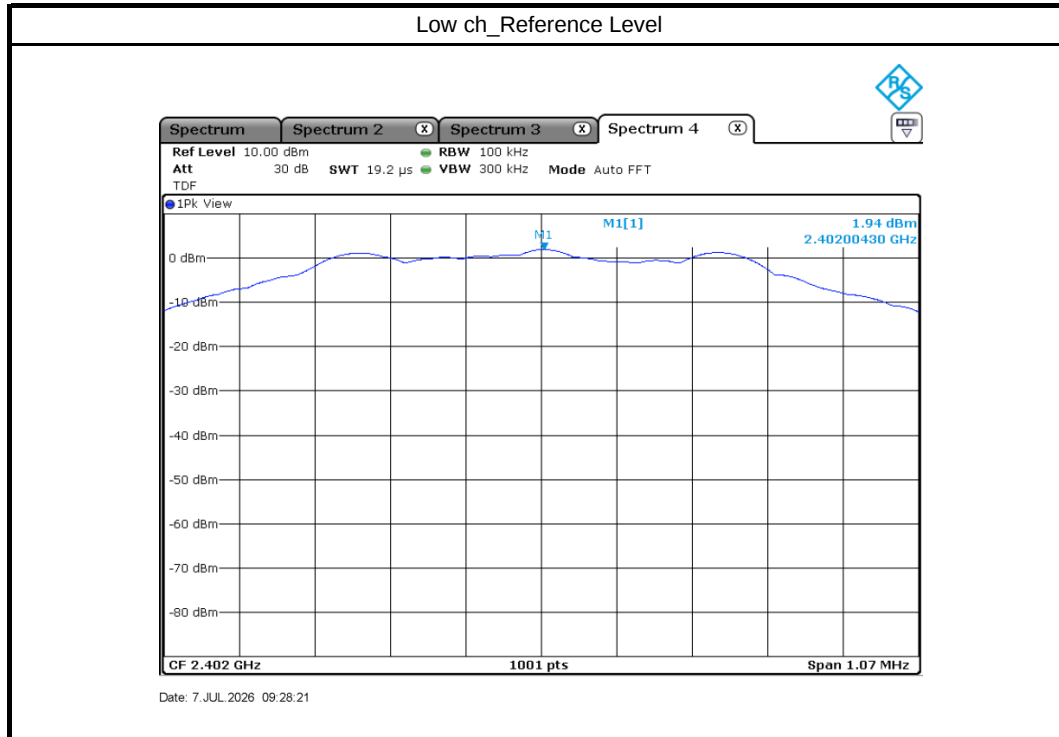




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#### 4.4.3 Test data

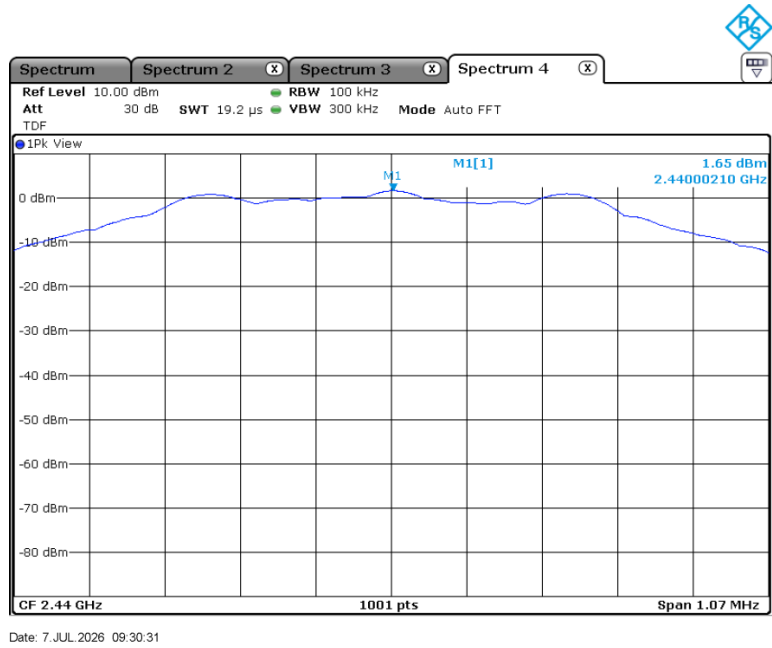
Result : Pass



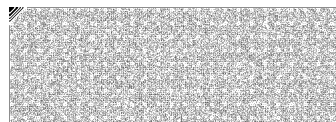
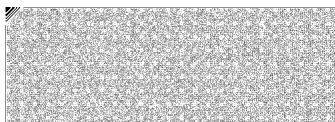
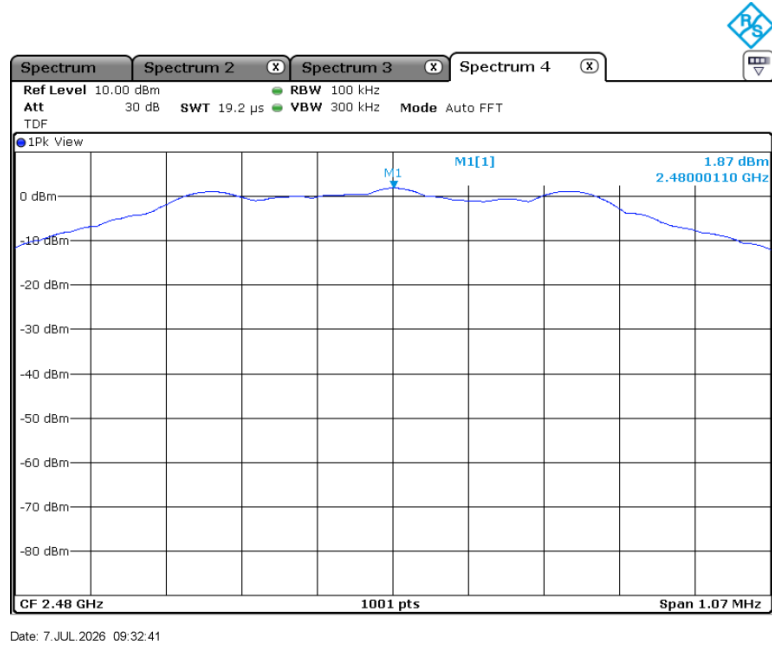


page : (20) / Total (41)

## Mid ch\_Reference Level



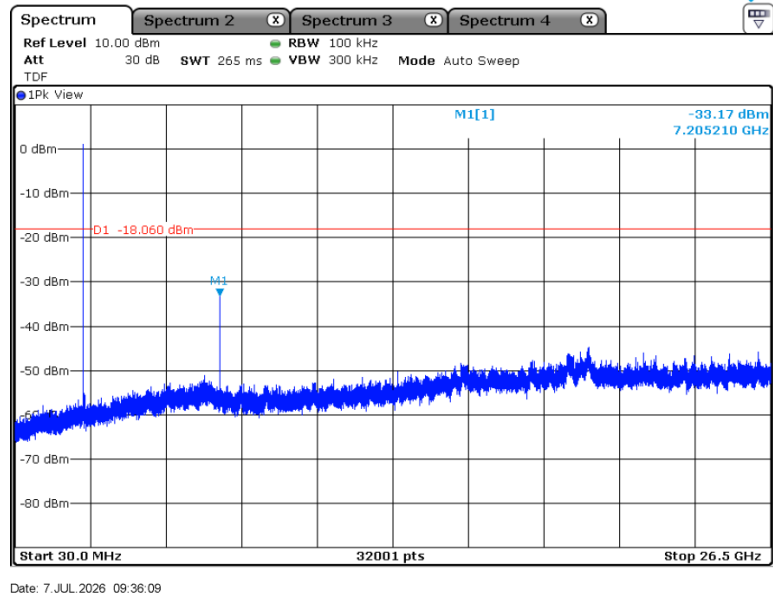
## High ch\_Reference Level



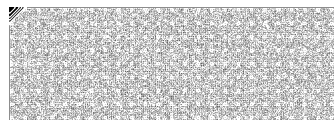
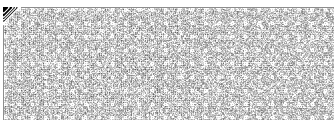
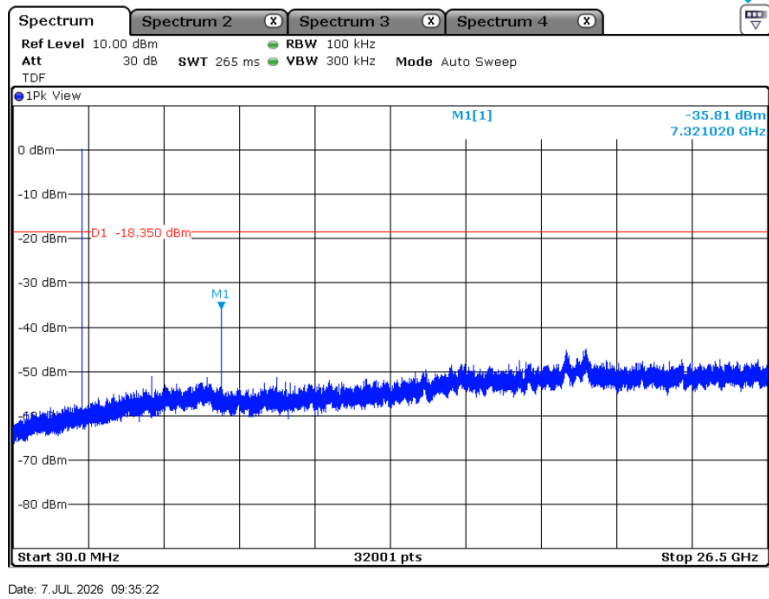


page : (21) / Total (41)

## Low ch\_Conducted Spurious Emission



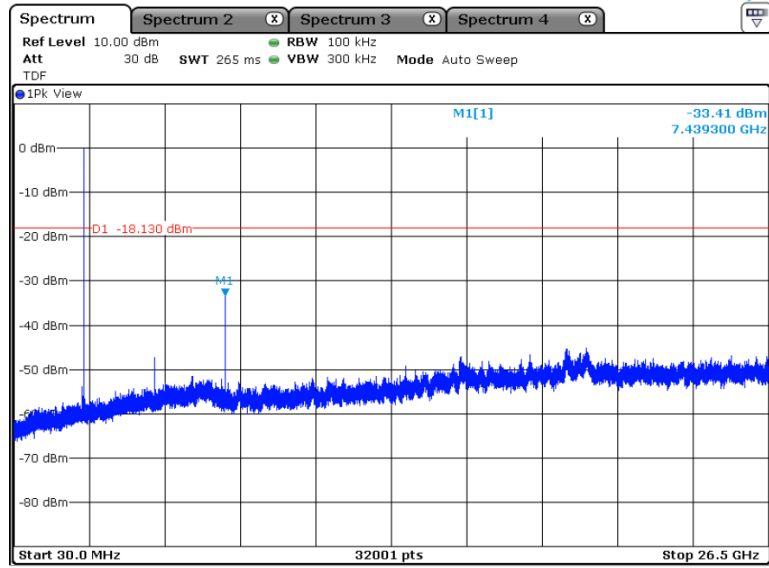
## Mid ch\_Conducted Spurious Emission





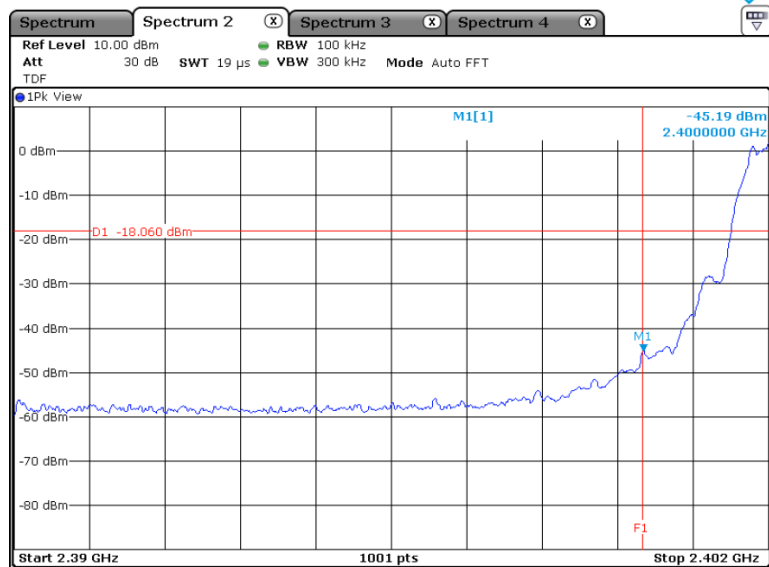
page : (22) / Total (41)

## High ch\_Conducted Spurious Emission



Date: 7.JUL.2026 09:33:49

## Low ch\_Band Edge

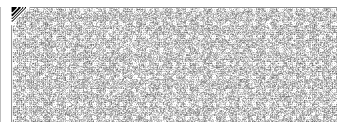
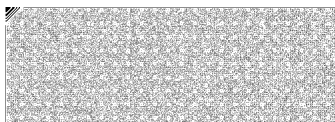
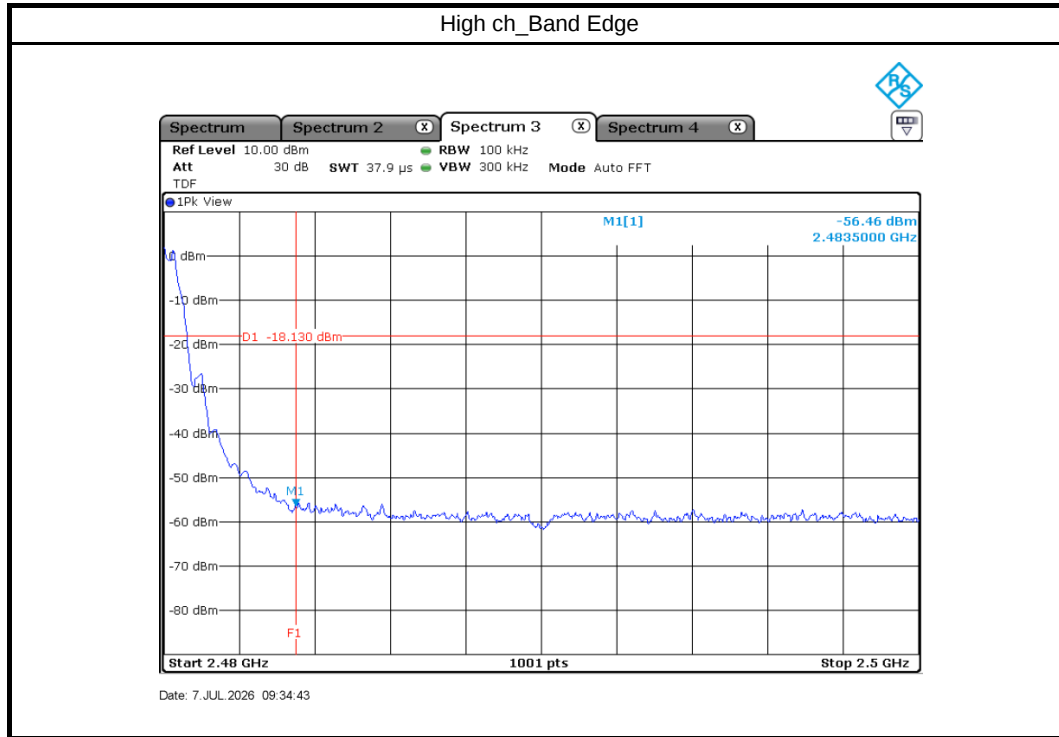


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page : (23) / Total (41)





## 4.5 Radiated Spurious Emission

### 4.5.1 Test procedure

ANSI C63.10-2020 Clause 11.11, 11.12

### 4.5.2 Limit

#### §15.247 (d)

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in § 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a) (see § 15.205(c)).

#### §15.209 Radiated emission limits; general requirements.(a)

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

#### RSS-247 6.6

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum device, digitally modulated device, or hybrid system is operating, the RF power that is produced shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power – based on either an RF conducted or a radiated measurement – provided that the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of root-mean-square averaging over a time interval, as permitted under section 6.3.2, the attenuation required shall be 30 dB instead of 20 dB. Attenuation below the general field strength limits specified in RSS-Gen is not required.

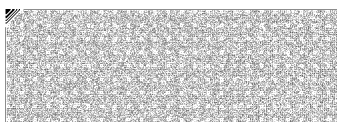
#### RSS-Gen 8.9 Transmitter emission limits

Except where otherwise indicated in the applicable RSS, radiated emissions shall comply with the field strength limits shown in table 5 and table 6. Additionally, the level of any transmitter unwanted emission

shall not exceed the level of the transmitter's fundamental emission.

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

\*\* Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54–72 MHz, 76–88 MHz, 174–216 MHz or 470–806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g., §§ 15.231 and 15.241.





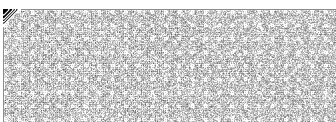
## §15.205 Restricted bands of operation.(a),(b)

| MHz                      | MHz                 | MHz           | GHz              |
|--------------------------|---------------------|---------------|------------------|
| 0.090–0.110              | 16.42–16.423        | 399.9–410     | 4.5–5.15         |
| <sup>1</sup> 0.495–0.505 | 16.69475–16.69525   | 608–614       | 5.35–5.46        |
| 2.1735–2.1905            | 16.80425–16.80475   | 960–1240      | 7.25–7.75        |
| 4.125–4.128              | 25.5–25.67          | 1300–1427     | 8.025–8.5        |
| 4.17725–4.17775          | 37.5–38.25          | 1435–1626.5   | 9.0–9.2          |
| 4.20725–4.20775          | 73–74.6             | 1645.5–1646.5 | 9.3–9.5          |
| 6.215–6.218              | 74.8–75.2           | 1660–1710     | 10.6–12.7        |
| 6.26775–6.26825          | 108–121.94          | 1718.8–1722.2 | 13.25–13.4       |
| 6.31175–6.31225          | 123–138             | 2200–2300     | 14.47–14.5       |
| 8.291–8.294              | 149.9–150.05        | 2310–2390     | 15.35–16.2       |
| 8.362–8.366              | 156.52475–156.52525 | 2483.5–2500   | 17.7–21.4        |
| 8.37625–8.38675          | 156.7–156.9         | 2690–2900     | 22.01–23.12      |
| 8.41425–8.41475          | 162.0125–167.17     | 3260–3267     | 23.6–24.0        |
| 12.29–12.293             | 167.72–173.2        | 3332–3339     | 31.2–31.8        |
| 12.51975–12.52025        | 240–285             | 3345.8–3358   | 36.43–36.5       |
| 12.57675–12.57725        | 322–335.4           | 3600–4400     | ( <sup>2</sup> ) |
| 13.36–13.41              |                     |               |                  |

<sup>1</sup> Until February 1, 1999, this restricted band shall be 0.490–0.510 MHz.

<sup>2</sup> Above 38.6

Except as provided in paragraphs (d) and (e) of this section, the field strength of emissions appearing within these frequency bands shall not exceed the limits shown in § 15.209. At frequencies equal to or less than 1000 MHz, compliance with the limits in § 15.209 shall be demonstrated using measurement instrumentation employing a CISPR quasi-peak detector. Above 1000 MHz, compliance with the emission limits in § 15.209 shall be demonstrated based on the average value of the measured emissions. The provisions in § 15.35 apply to these measurements.





#### 4.5.3 Test data

Result : Pass

- Below 30 MHz\_Low ch

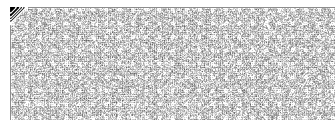
| Frequency (MHz) | Reading (dBuV/m) | Detector | Pol. | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dBuV/m) | note |
|-----------------|------------------|----------|------|-------------|-----------------|----------------|-----------------|------|
| 0.499           | 23.64            | QP       | H    | 19.90       | 43.54           | 73.67          | 30.13           | -    |
| 0.840           | 20.33            | QP       | H    | 19.90       | 40.23           | 69.16          | 28.93           | -    |
| 1.186           | 12.53            | QP       | H    | 19.90       | 32.43           | 66.29          | 33.86           | -    |
| 1.529           | 28.73            | QP       | H    | 19.90       | 48.63           | 63.92          | 15.29           | -    |
| 8.526           | 12.90            | QP       | H    | 20.00       | 32.90           | 69.54          | 36.64           | -    |
| 21.138          | 6.14             | QP       | H    | 20.70       | 26.84           | 69.54          | 42.70           | -    |

- 30 MHz ~ 1 GHz\_Low ch

| Frequency (MHz) | Reading (dBuV/m) | Detector | Pol. | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dBuV/m) | note |
|-----------------|------------------|----------|------|-------------|-----------------|----------------|-----------------|------|
| 52.698          | 44.17            | QP       | V    | -14.70      | 29.47           | 40.00          | 10.53           | -    |
| 53.765          | 41.73            | QP       | H    | -14.70      | 27.03           | 40.00          | 12.97           | -    |
| 228.074         | 47.44            | QP       | H    | -15.70      | 31.74           | 46.02          | 14.28           | -    |
| 486.773         | 43.86            | QP       | H    | -8.20       | 35.66           | 46.02          | 10.36           | -    |
| 497.734         | 48.38            | QP       | H    | -8.10       | 40.28           | 46.02          | 5.74            | -    |
| 510.247         | 44.95            | QP       | H    | -8.20       | 36.75           | 46.02          | 9.27            | -    |

- 1 GHz Above\_Low ch

| Frequency (MHz) | Reading (dBuV/m) | Detector | Pol. | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dBuV/m) | note              |
|-----------------|------------------|----------|------|-------------|-----------------|----------------|-----------------|-------------------|
| 2 368.50        | 48.31            | PK       | H    | -11.70      | 36.61           | 74.00          | 37.39           | Restricted band   |
|                 | 34.95            | AVG      | H    |             | 23.25           | 54.00          | 30.75           |                   |
| 2 485.80        | 47.57            | PK       | V    | -10.70      | 36.87           | 74.00          | 37.13           | Restricted band   |
|                 | 34.70            | AVG      | V    |             | 24.00           | 54.00          | 30.00           |                   |
| 4 803.60        | 56.31            | PK       | V    | -3.20       | 53.11           | 74.00          | 20.89           | Spurious Emission |
|                 | 46.32            | AVG      | V    |             | 43.12           | 54.00          | 10.88           |                   |
| 7 206.00        | 56.79            | PK       | V    | 0.50        | 57.29           | 74.00          | 16.71           | Spurious Emission |
|                 | 44.20            | AVG      | V    |             | 44.70           | 54.00          | 9.30            |                   |
| 17 787.20       | 52.90            | PK       | V    | 13.60       | 66.50           | 74.00          | 7.50            | Spurious Emission |
|                 | 38.19            | AVG      | V    |             | 51.79           | 54.00          | 2.21            |                   |
| 23 725.60       | 38.71            | PK       | H    | 11.10       | 49.81           | 74.00          | 24.19           | Spurious Emission |
|                 | 25.52            | AVG      | H    |             | 36.62           | 54.00          | 17.38           |                   |





## - Below 30 MHz\_Mid ch

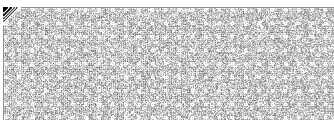
| Frequency (MHz) | Reading (dBuV/m) | Detector | Pol. | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dBuV/m) | note |
|-----------------|------------------|----------|------|-------------|-----------------|----------------|-----------------|------|
| 0.646           | 16.31            | QP       | H    | 19.90       | 36.21           | 71.66          | 35.45           | -    |
| 0.726           | 17.60            | QP       | H    | 19.90       | 37.5            | 70.56          | 33.06           | -    |
| 0.837           | 19.39            | QP       | H    | 19.90       | 39.29           | 69.19          | 29.90           | -    |
| 1.335           | 21.36            | QP       | H    | 19.90       | 41.26           | 65.24          | 23.98           | -    |
| 1.496           | 29.67            | QP       | H    | 19.90       | 49.57           | 64.11          | 14.54           | -    |
| 8.487           | 15.03            | QP       | H    | 20.00       | 35.03           | 69.54          | 34.51           | -    |

## - 30 MHz ~ 1 GHz\_Mid ch

| Frequency (MHz) | Reading (dBuV/m) | Detector | Pol. | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dBuV/m) | note |
|-----------------|------------------|----------|------|-------------|-----------------|----------------|-----------------|------|
| 52.795          | 43.71            | QP       | V    | -14.70      | 29.01           | 40.00          | 10.99           | -    |
| 227.977         | 47.78            | QP       | H    | -15.70      | 32.08           | 46.02          | 13.94           | -    |
| 239.908         | 47.21            | QP       | H    | -14.90      | 32.31           | 46.02          | 13.71           | -    |
| 486.773         | 42.78            | QP       | H    | -8.20       | 34.58           | 46.02          | 11.44           | -    |
| 497.831         | 44.95            | QP       | H    | -8.10       | 36.85           | 46.02          | 9.17            | -    |
| 509.277         | 45.58            | QP       | H    | -8.20       | 37.38           | 46.02          | 8.64            | -    |

## - 1 GHz Above\_Mid ch

| Frequency (MHz) | Reading (dBuV/m) | Detector | Pol. | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dBuV/m) | note              |
|-----------------|------------------|----------|------|-------------|-----------------|----------------|-----------------|-------------------|
| 2 370.70        | 47.38            | PK       | V    | -11.70      | 35.68           | 74.00          | 38.32           | Restricted band   |
|                 | 34.68            | AVG      | V    |             | 22.98           | 54.00          | 31.02           |                   |
| 2 488.00        | 47.52            | PK       | H    | -10.70      | 36.82           | 74.00          | 37.18           | Restricted band   |
|                 | 34.69            | AVG      | H    |             | 23.99           | 54.00          | 30.01           |                   |
| 4 880.60        | 51.34            | PK       | V    | -2.80       | 48.54           | 74.00          | 25.46           | Spurious Emission |
|                 | 38.82            | AVG      | V    |             | 36.02           | 54.00          | 17.98           |                   |
| 7 319.40        | 62.17            | PK       | V    | 0.50        | 62.67           | 74.00          | 11.33           | Spurious Emission |
|                 | 51.16            | AVG      | V    |             | 51.66           | 54.00          | 2.34            |                   |
| 23 798.70       | 38.13            | PK       | H    | 11.20       | 49.33           | 74.00          | 24.67           | Spurious Emission |
|                 | 24.88            | AVG      | H    |             | 36.08           | 54.00          | 17.92           |                   |





## - Below 30 MHz\_High ch

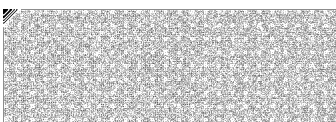
| Frequency (MHz) | Reading (dBuV/m) | Detector | Pol. | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dBuV/m) | note |
|-----------------|------------------|----------|------|-------------|-----------------|----------------|-----------------|------|
| 1.335           | 21.49            | QP       | H    | 19.90       | 41.39           | 65.24          | 23.85           | -    |
| 1.451           | 27.84            | QP       | H    | 19.90       | 47.74           | 64.42          | 16.68           | -    |
| 1.532           | 28.57            | QP       | H    | 19.90       | 48.47           | 63.91          | 15.44           | -    |
| 1.675           | 28.03            | QP       | H    | 20.00       | 48.03           | 63.13          | 15.10           | -    |
| 8.792           | 14.32            | QP       | H    | 20.00       | 34.32           | 69.54          | 35.22           | -    |
| 20.493          | 6.79             | QP       | H    | 20.60       | 27.39           | 69.54          | 42.15           | -    |

## - 30 MHz ~ 1 GHz\_High ch

| Frequency (MHz) | Reading (dBuV/m) | Detector | Pol. | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dBuV/m) | note |
|-----------------|------------------|----------|------|-------------|-----------------|----------------|-----------------|------|
| 52.795          | 43.28            | QP       | H    | -14.70      | 28.58           | 40.00          | 11.42           | -    |
| 124.963         | 44.76            | QP       | H    | -19.00      | 25.76           | 43.52          | 17.76           | -    |
| 227.977         | 47.55            | QP       | H    | -15.70      | 31.85           | 46.02          | 14.17           | -    |
| 240.005         | 47.40            | QP       | H    | -14.90      | 32.50           | 46.02          | 13.52           | -    |
| 498.704         | 47.97            | QP       | H    | -8.10       | 39.87           | 46.02          | 6.15            | -    |
| 509.180         | 45.84            | QP       | H    | -8.20       | 37.64           | 46.02          | 8.38            | -    |

## - 1 GHz Above\_High ch

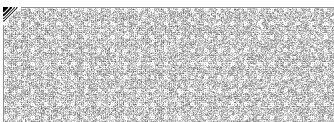
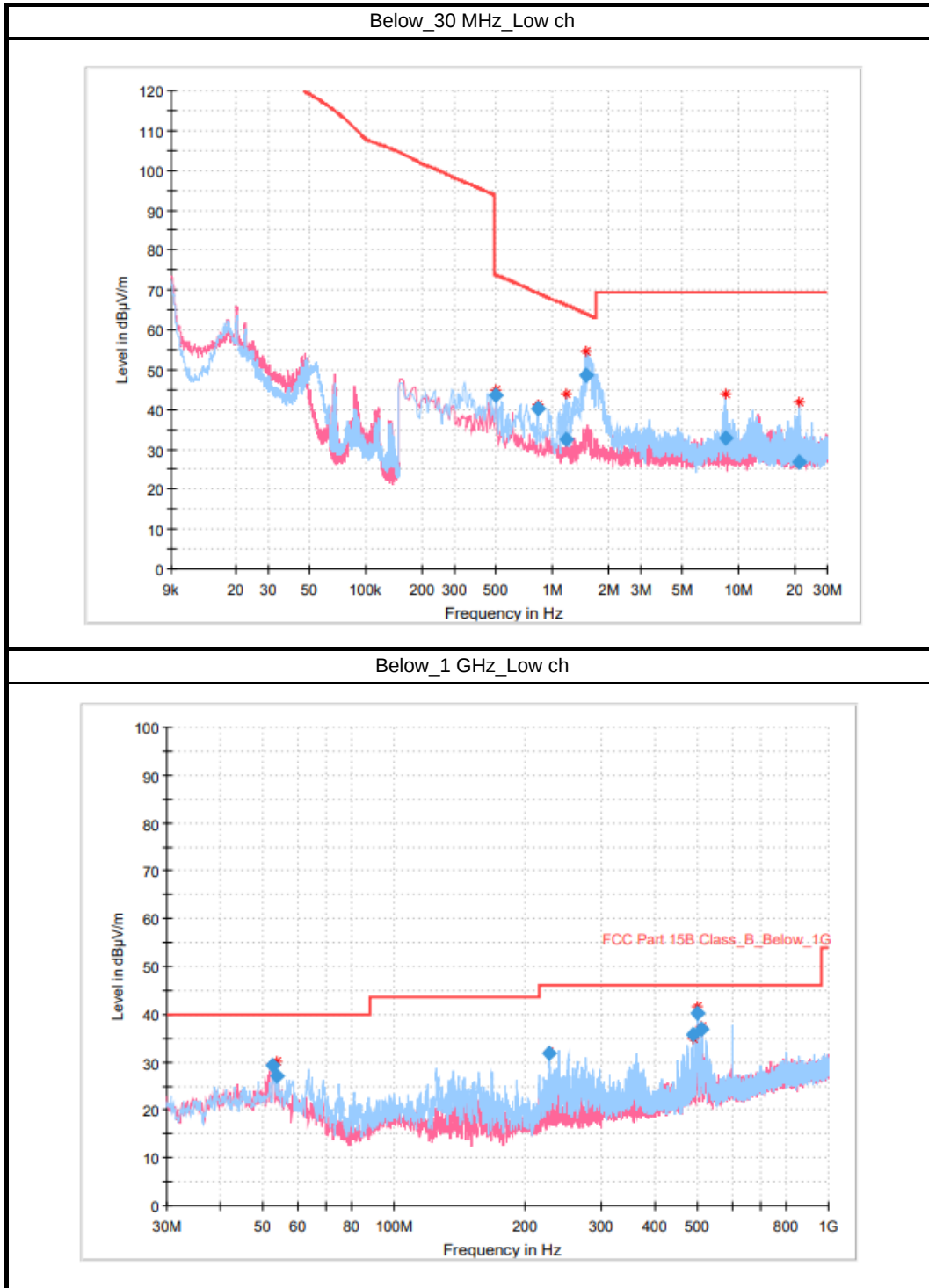
| Frequency (MHz) | Reading (dBuV/m) | Detector | Pol. | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dBuV/m) | note              |
|-----------------|------------------|----------|------|-------------|-----------------|----------------|-----------------|-------------------|
| 2 352.10        | 52.39            | PK       | V    | -11.90      | 40.49           | 74.00          | 33.51           | Restricted band   |
|                 | 38.56            | AVG      | V    |             | 26.66           | 54.00          | 27.34           |                   |
| 2 484.10        | 57.29            | PK       | V    | -10.80      | 46.49           | 74.00          | 27.51           | Restricted band   |
|                 | 40.19            | AVG      | V    |             | 29.39           | 54.00          | 24.61           |                   |
| 4 891.80        | 43.96            | PK       | V    | -2.80       | 41.16           | 74.00          | 32.84           | Spurious Emission |
|                 | 30.99            | AVG      | V    |             | 28.19           | 54.00          | 25.81           |                   |
| 7 439.80        | 62.45            | PK       | V    | 0.90        | 63.35           | 74.00          | 10.65           | Spurious Emission |
|                 | 50.29            | AVG      | V    |             | 51.19           | 54.00          | 2.81            |                   |
| 17 720.00       | 54.52            | PK       | V    | 13.60       | 68.12           | 74.00          | 5.88            | Spurious Emission |
|                 | 37.96            | AVG      | V    |             | 51.56           | 54.00          | 2.44            |                   |
| 26 143.00       | 36.89            | PK       | H    | 11.90       | 48.79           | 74.00          | 25.21           | Spurious Emission |
|                 | 24.06            | AVG      | H    |             | 35.96           | 54.00          | 18.04           |                   |





page : (29) / Total (41)

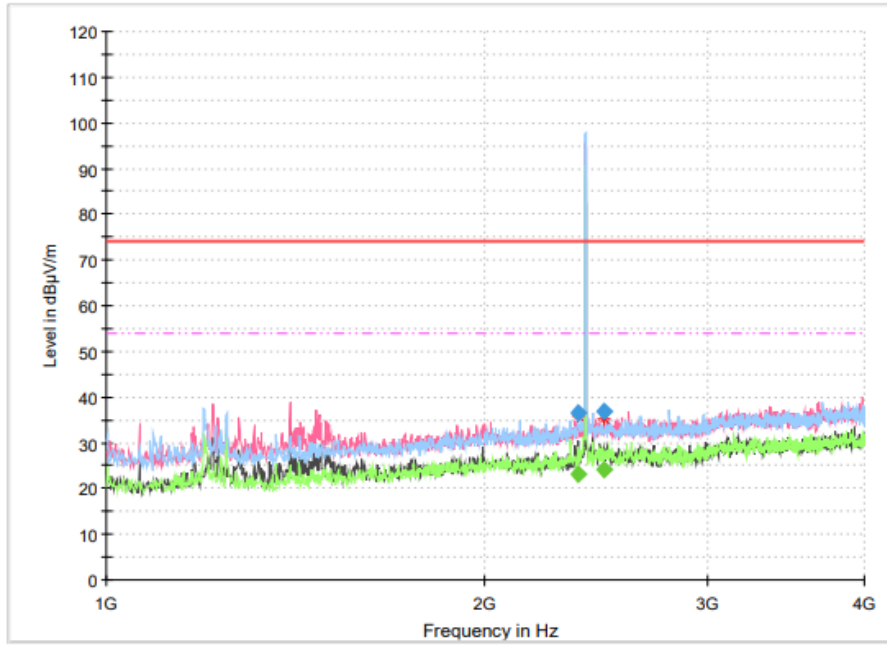
#### 4.5.4 Test plot



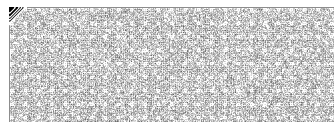
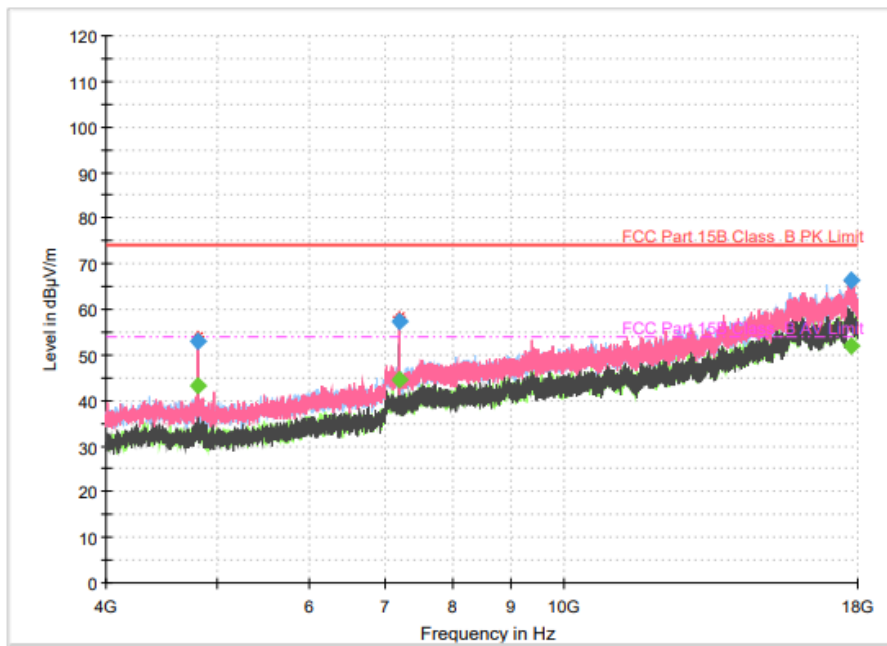


page : (30) / Total (41)

Above\_1 GHz\_Low ch

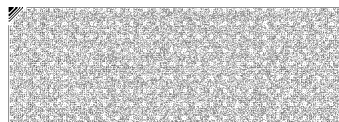
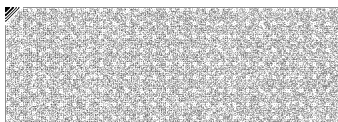
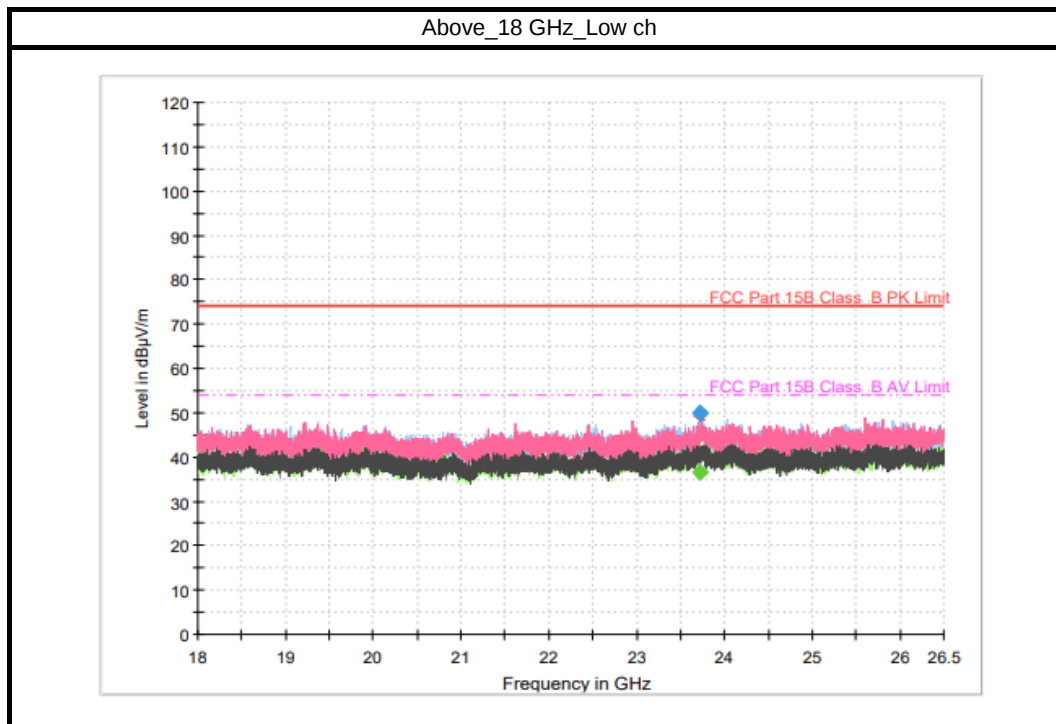


Above\_1 GHz\_Low ch





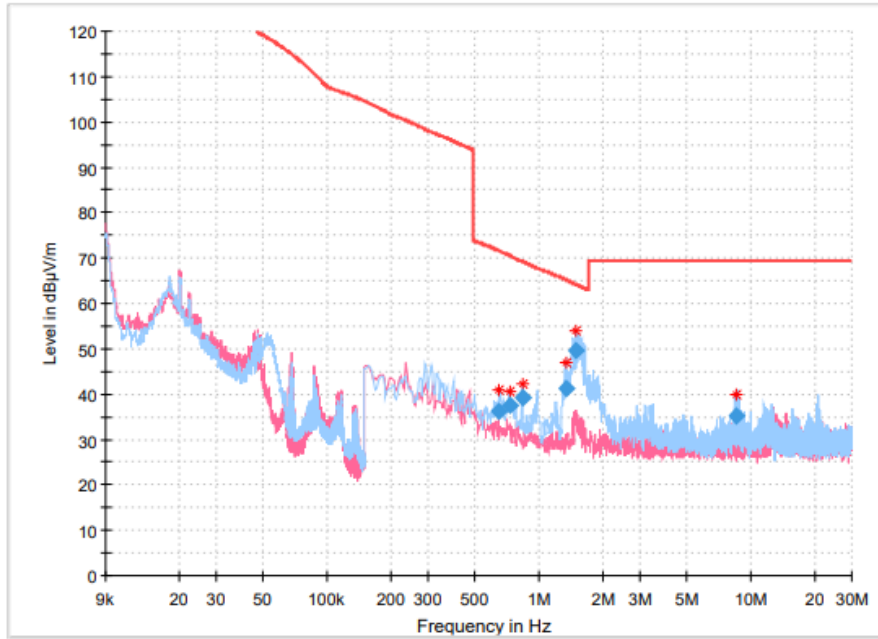
page : (31) / Total (41)



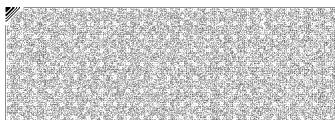
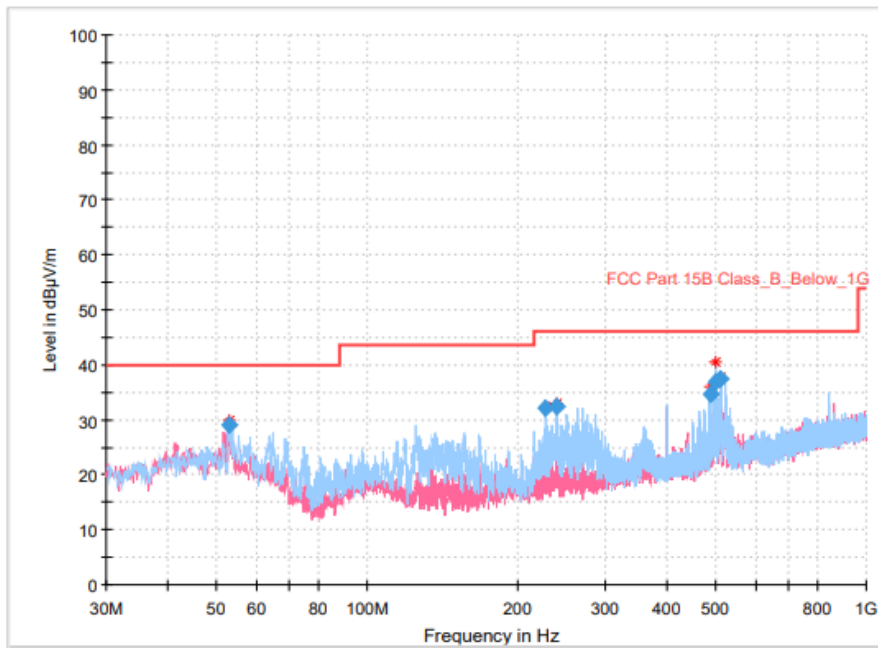


page : (32) / Total (41)

Below\_30 MHz\_Mid ch



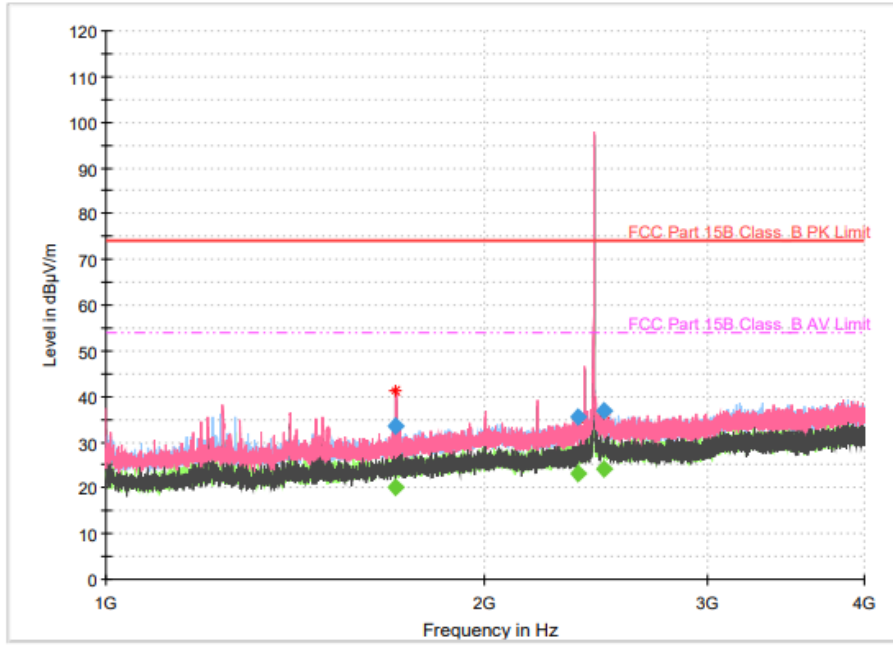
Below\_1 GHz\_Mid ch



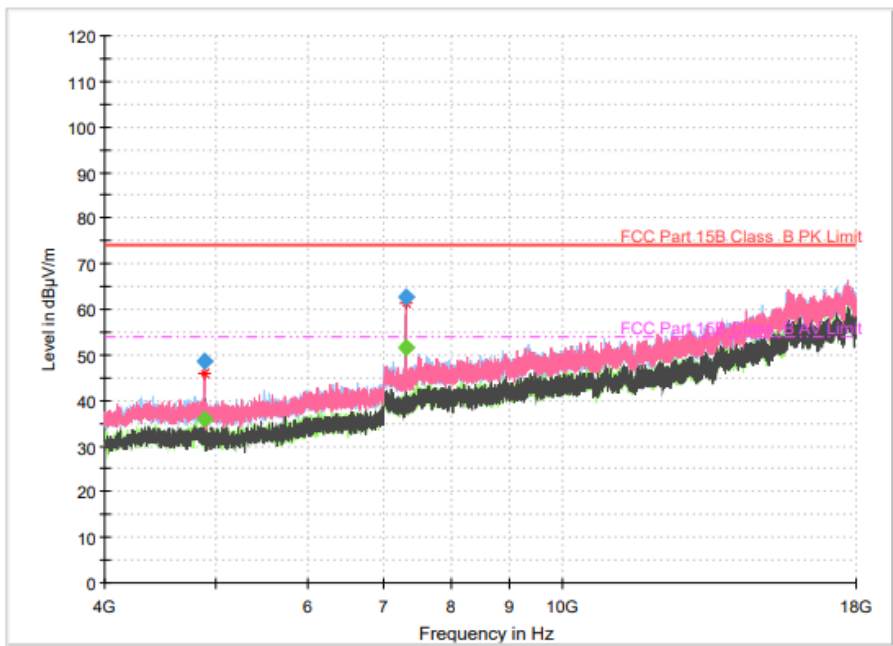


page : (33) / Total (41)

Above\_1 GHz\_Mid ch

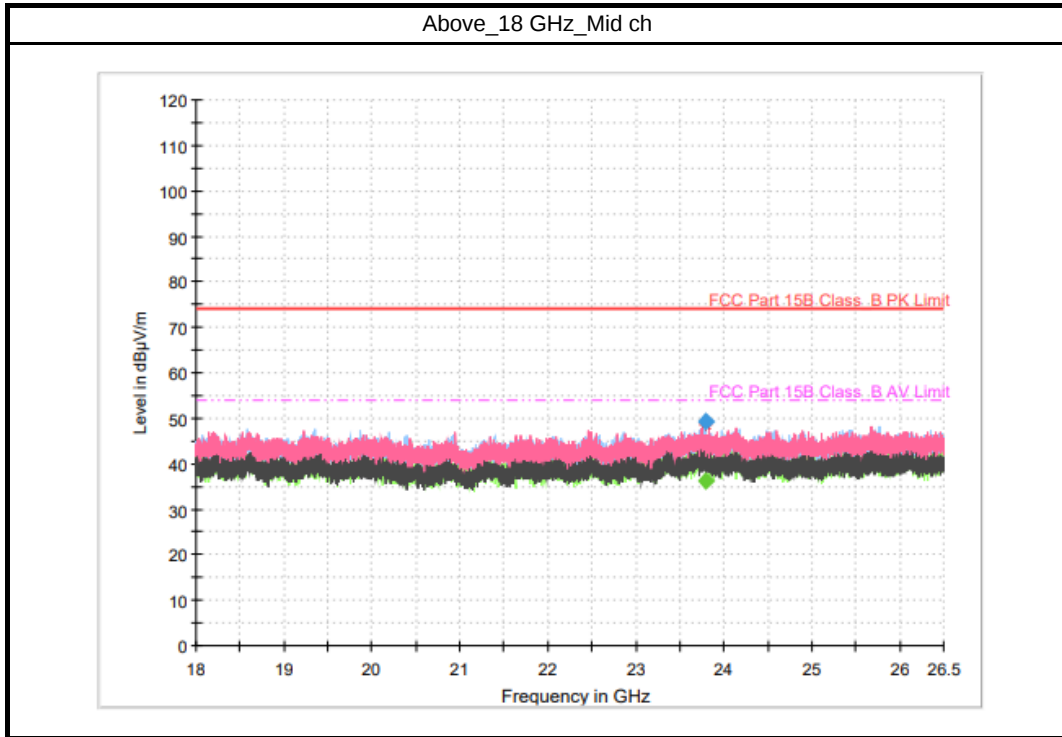


Above\_1 GHz\_Mid ch





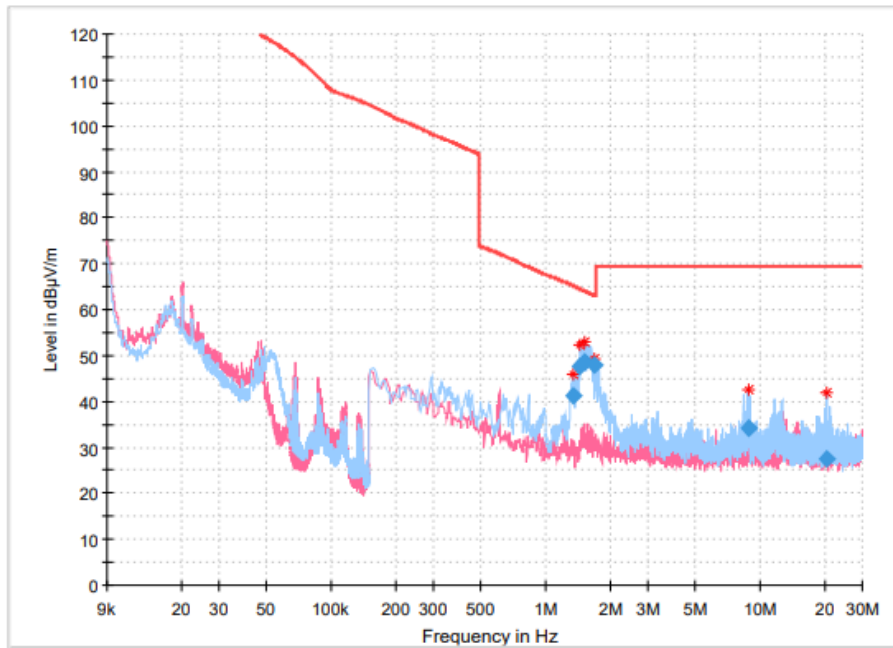
page : (34) / Total (41)



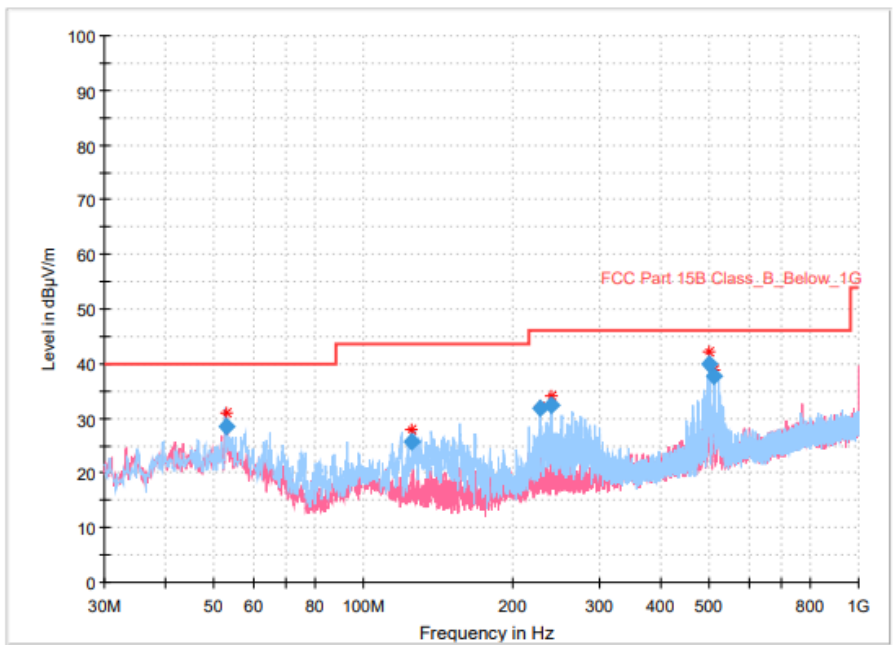


page : (35) / Total (41)

Below\_30 MHz\_High ch



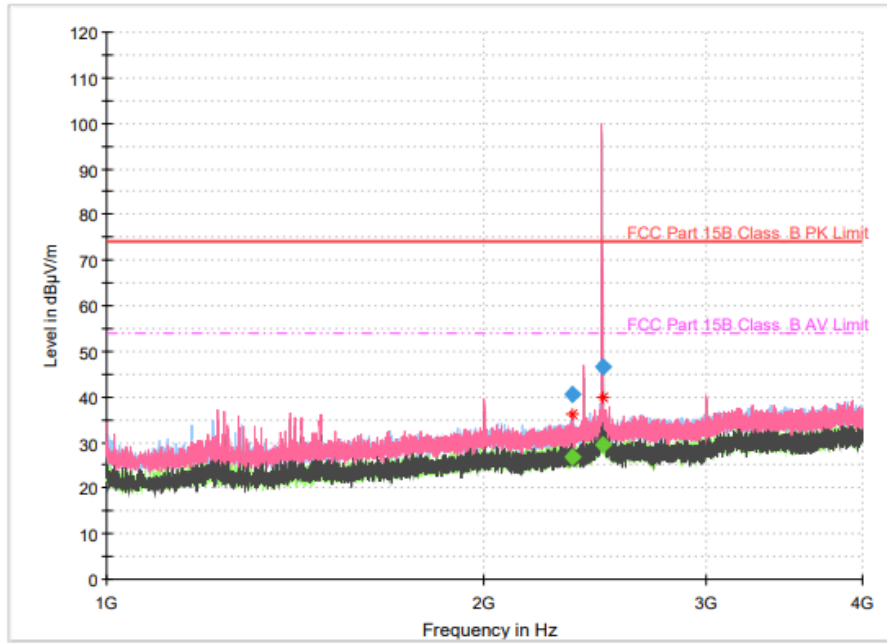
Below\_1 GHz\_High ch



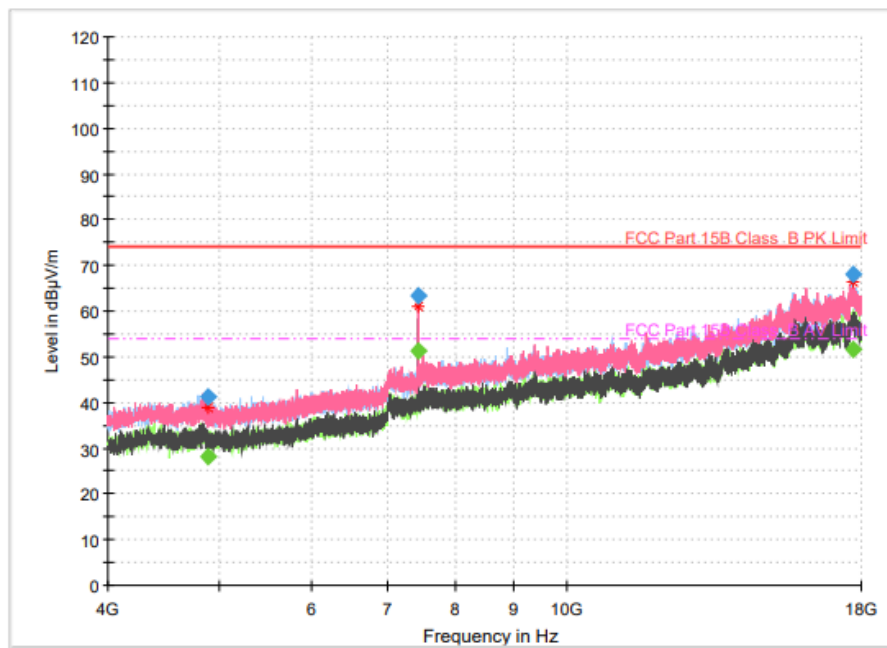


page : (36) / Total (41)

Above\_1 GHz\_High ch

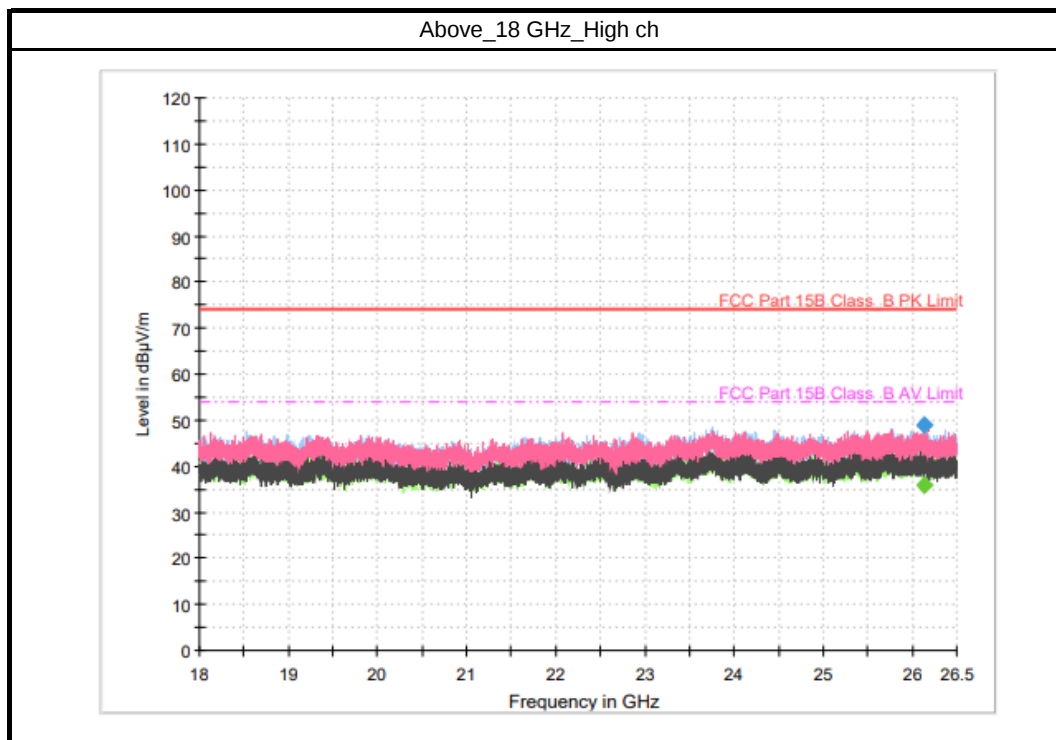


Above\_1 GHz\_High ch





page : (37) / Total (41)





## 4.6 Power Line Conducted Emission

### 4.6.1 Test procedure

ANSI C63.10-2020 Clause 6.2

### 4.6.2 Limit

§15.207 (a)

Except as shown in paragraphs (b) and (c) of this section, for an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within the band 150 kHz to 30 MHz, shall not exceed the limits in the following table, as measured using a 50  $\mu$ H/50 ohms line impedance stabilization network (LISN). Compliance with the provisions of this paragraph shall be based on the measurement of the radio frequency voltage between each power line and ground at the power terminal. The lower limit applies at the boundary between the frequency ranges.

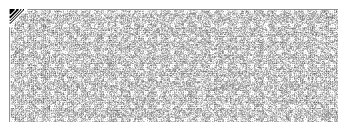
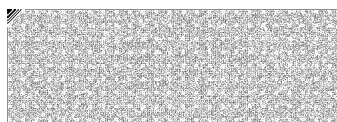
RSS-Gen 8.8

Unless stated otherwise in the applicable RSS, for radio apparatus that are designed to be connected to the public utility AC power network, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the range 150 kHz to 30 MHz shall not exceed the limits in table 4, as measured using a 50  $\mu$ H / 50  $\Omega$  line impedance stabilization network.

This requirement applies for the radio frequency voltage measured between each power line and the ground terminal of each AC power-line mains cable of the EUT.

| Frequency of emission (MHz) | Conducted limit (dB $\mu$ V) |           |
|-----------------------------|------------------------------|-----------|
|                             | Quasi-peak                   | Average   |
| 0.15–0.5                    | 66 to 56*                    | 56 to 46* |
| 0.5–5                       | 56                           | 46        |
| 5–30                        | 60                           | 50        |

\*Decreases with the logarithm of the frequency.





#### 4.6.3 Test data

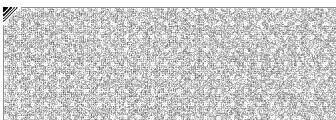
Result : Pass

##### L-Line Conducted Emission

| Frequency (MHz) | Reading (dBuV/m) | Detector | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dBuV/m) | note |
|-----------------|------------------|----------|-------------|-----------------|----------------|-----------------|------|
| 0.706           | 28.14            | QP       | 9.90        | 38.04           | 56.00          | 17.96           | -    |
|                 | 9.27             | AVG      |             | 19.17           | 46.00          | 26.83           |      |
| 1.014           | 21.60            | QP       | 9.80        | 31.40           | 56.00          | 24.60           | -    |
|                 | 3.55             | AVG      |             | 13.35           | 46.00          | 32.65           |      |
| 1.124           | 23.81            | QP       | 9.80        | 33.61           | 56.00          | 22.39           | -    |
|                 | 5.40             | AVG      |             | 15.20           | 46.00          | 30.80           |      |
| 1.214           | 22.64            | QP       | 9.80        | 32.44           | 56.00          | 23.56           | -    |
|                 | 5.06             | AVG      |             | 14.86           | 46.00          | 31.14           |      |
| 1.307           | 20.29            | QP       | 9.80        | 30.09           | 56.00          | 25.91           | -    |
|                 | 3.10             | AVG      |             | 12.90           | 46.00          | 33.10           |      |
| 1.921           | 22.38            | QP       | 9.80        | 32.18           | 56.00          | 23.82           | -    |
|                 | 4.08             | AVG      |             | 13.88           | 46.00          | 32.12           |      |

##### N-Line Conducted Emission

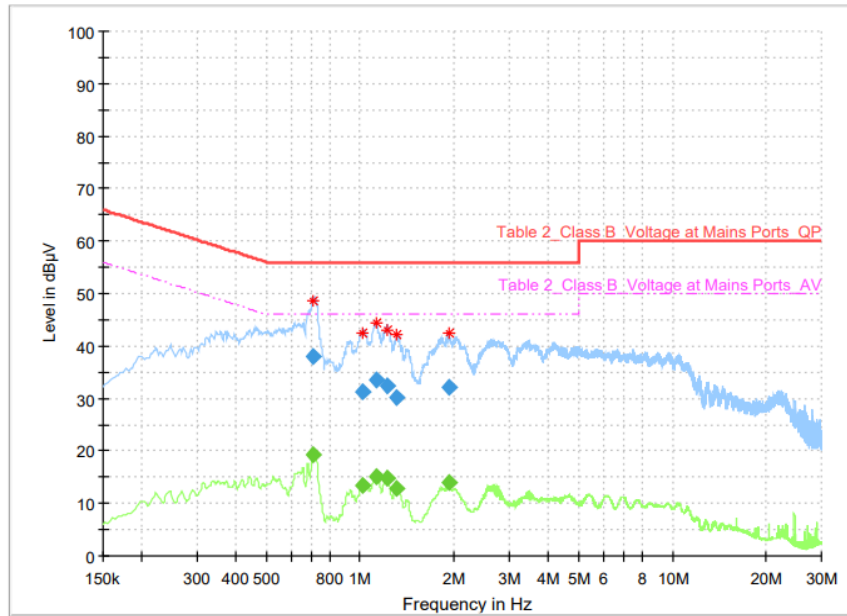
| Frequency (MHz) | Reading (dBuV/m) | Detector | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dBuV/m) | note |
|-----------------|------------------|----------|-------------|-----------------|----------------|-----------------|------|
| 0.708           | 37.19            | QP       | 9.90        | 47.09           | 56.00          | 8.91            | -    |
|                 | 22.44            | AVG      |             | 32.34           | 46.00          | 13.66           |      |
| 1.131           | 30.09            | QP       | 9.80        | 39.89           | 56.00          | 16.11           | -    |
|                 | 14.90            | AVG      |             | 24.70           | 46.00          | 21.30           |      |
| 1.205           | 30.27            | QP       | 9.80        | 40.07           | 56.00          | 15.93           | -    |
|                 | 15.43            | AVG      |             | 25.23           | 46.00          | 20.77           |      |
| 1.300           | 28.03            | QP       | 9.80        | 37.83           | 56.00          | 18.17           | -    |
|                 | 13.28            | AVG      |             | 23.08           | 46.00          | 22.92           |      |
| 1.862           | 26.61            | QP       | 9.80        | 36.41           | 56.00          | 19.59           | -    |
|                 | 11.99            | AVG      |             | 21.79           | 46.00          | 24.21           |      |
| 2.587           | 26.40            | QP       | 9.80        | 36.20           | 56.00          | 19.80           | -    |
|                 | 11.51            | AVG      |             | 21.31           | 46.00          | 24.69           |      |



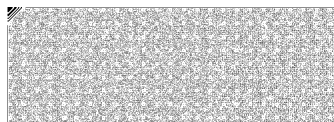
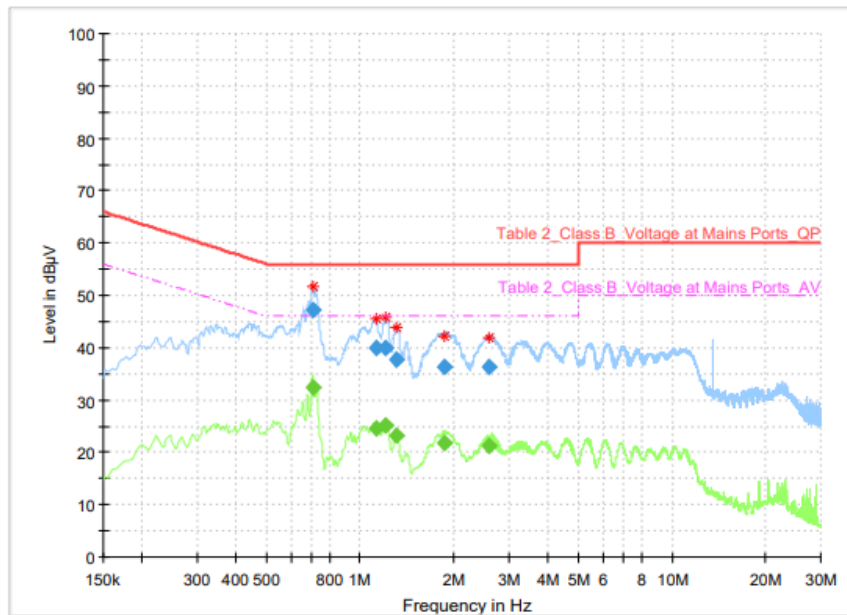


page : (40) / Total (41)

## L-Line Conducted Emission



## N-Line Conducted Emission





## 5. Used equipment

|   | Description                | Model Name           | Manufacturer    | Serial Number | Next Cal   |
|---|----------------------------|----------------------|-----------------|---------------|------------|
| ■ | SIGNAL GENERATOR           | SMB100A              | ROHDE & SCHWARZ | 180607        | 2027-02-24 |
| ■ | SPECTRUM ANALYZER          | FSV40-N              | ROHDE & SCHWARZ | 101303        | 2027-02-23 |
| ■ | DC BLOCK                   | PDCB-00012650-SMSF-2 | PSATEK INC.     | -             | 2027-02-26 |
| ■ | DC POWER SUPPLY            | E3632A               | AGILENT         | MY40011056    | 2027-02-24 |
| ■ | LOOP ANTENNA               | HFH2-Z2              | ROHDE & SCHWARZ | 100271        | 2027-03-04 |
| ■ | TRILOG BROADBAND ANTENNA   | VULB 9162            | SCHWARZBECK     | 120           | 2026-12-09 |
| ■ | EMI TEST RECEIVER          | ESR26                | ROHDE & SCHWARZ | 101461        | 2027-03-23 |
| ■ | SIGNAL CONDITIONING UNIT   | SCU 08               | ROHDE & SCHWARZ | 100745        | 2027-03-23 |
| ■ | DOUBLE-RIDGED HORN ANTENNA | HF907                | ROHDE & SCHWARZ | 102556        | 2026-07-28 |
| ■ | HIGH PASS FILTER           | WT-A1698-HS          | WT MICROWAVE    | WT171201-6-4  | 2027-02-24 |
| ■ | SIGNAL CONDITIONING UNIT   | SCU18                | ROHDE & SCHWARZ | 102342        | 2027-03-23 |
| ■ | EMI TEST RECEIVER          | ESR26                | ROHDE & SCHWARZ | 101462        | 2027-03-23 |
| ■ | HORN ANTENNA               | DRH0844              | RF SPIN         | KV2E08A0844   | 2027-02-27 |
| ■ | RF PRE AMPLIFIER           | ELNA40-50            | EXYNOD          | 631300        | 2027-02-26 |
| ■ | TWO-LINE V-NETWORK         | ENV216               | ROHDE & SCHWARZ | 102193        | 2027-06-22 |
| ■ | EMI TEST RECEIVER          | ESR3                 | ROHDE & SCHWARZ | 102119        | 2027-03-23 |

- END OF REPORT.

