

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                               |                                                            |                                                                                       |                                              |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------------|
| <b>Test report no.:</b><br><i>Prüfbericht-Nr.:</i>                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>CN25SVED 001</b>                                                                                           | <b>Order No.:</b><br><i>Auftragsnr.:</i>                   | 170437865                                                                             | <b>Page 1 of 26</b><br><i>Seite 1 von 26</i> |
| <b>Client reference no.:</b><br><i>Kunden-Referenz-Nr.:</i>                                                                                                                                                                                                                                                                                                                                                                                                                     | N/A                                                                                                           | <b>Order date:</b><br><i>Auftragsdatum:</i>                | 2025.12.03                                                                            |                                              |
| <b>Client:</b><br><i>Auftraggeber:</i>                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>GoPro, Inc.</b><br>3025 Clearview Way, San Mateo, CA 94402, USA                                            |                                                            |                                                                                       |                                              |
| <b>Test item:</b><br><i>Prüfgegenstand:</i>                                                                                                                                                                                                                                                                                                                                                                                                                                     | Camera                                                                                                        |                                                            |                                                                                       |                                              |
| <b>Identification / Type no.:</b><br><i>Bezeichnung / Typ-Nr.:</i>                                                                                                                                                                                                                                                                                                                                                                                                              | TPSB1                                                                                                         |                                                            |                                                                                       |                                              |
| <b>Order content:</b><br><i>Auftrags-Inhalt:</i>                                                                                                                                                                                                                                                                                                                                                                                                                                | Test Report                                                                                                   |                                                            |                                                                                       |                                              |
| <b>Test specification</b><br><i>Prüfgrundlage:</i>                                                                                                                                                                                                                                                                                                                                                                                                                              | CFR47 FCC Part 15: Subpart C Section 15.247<br>RSS-247 Issue 4 July 24, 2025<br>RSS-Gen Issue 5 February 2021 |                                                            |                                                                                       |                                              |
| <b>Date of sample receipt:</b><br><i>Wareneingangsdatum:</i>                                                                                                                                                                                                                                                                                                                                                                                                                    | 2025.12.03                                                                                                    | Please refer to Photo Document                             |                                                                                       |                                              |
| <b>Test sample no:</b><br><i>Prüfmuster-Nr.:</i>                                                                                                                                                                                                                                                                                                                                                                                                                                | 170437865-001~003                                                                                             |                                                            |                                                                                       |                                              |
| <b>Testing period:</b><br><i>Prüfzeitraum:</i>                                                                                                                                                                                                                                                                                                                                                                                                                                  | Refer to test report                                                                                          |                                                            |                                                                                       |                                              |
| <b>Place of testing:</b><br><i>Ort der Prüfung:</i>                                                                                                                                                                                                                                                                                                                                                                                                                             | Refer to section 2.1                                                                                          |                                                            |                                                                                       |                                              |
| <b>Testing laboratory:</b><br><i>Prüflaboratorium:</i>                                                                                                                                                                                                                                                                                                                                                                                                                          | TÜV Rheinland<br>(Guangdong) Ltd.                                                                             |                                                            |                                                                                       |                                              |
| <b>Test result*:</b><br><i>Prüfergebnis*:</i>                                                                                                                                                                                                                                                                                                                                                                                                                                   | Pass                                                                                                          |                                                            |                                                                                       |                                              |
| <b>tested by:</b><br><i>geprüft von:</i>                                                                                                                                                                                                                                                                                                                                                                                                                                        |                            | <b>authorized by:</b><br><i>genehmigt von:</i>             |  |                                              |
| <b>Date:</b> 2026-01-22<br><i>Datum:</i>                                                                                                                                                                                                                                                                                                                                                                                                                                        | <i>Signed by: Amy Wang</i>                                                                                    | <b>Issue date:</b> 2026-01-22<br><i>Ausstellungsdatum:</i> | <i>Signed by: Storm Shu</i>                                                           |                                              |
| <b>Position / Stellung:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Expert/Sachverständige(r)                                                                                     | <b>Position / Stellung:</b>                                | Expert/Sachverständige(r)                                                             |                                              |
| <b>Other:</b><br><i>Sonstiges:</i>                                                                                                                                                                                                                                                                                                                                                                                                                                              | FCC ID: CNFTPSB1, IC: 10193A-TPSB1, HVIN: TPSB1<br>This report is for Bluetooth only.                         |                                                            |                                                                                       |                                              |
| <b>Condition of the test item at delivery:</b><br><i>Zustand des Prüfgegenstandes bei Anlieferung:</i>                                                                                                                                                                                                                                                                                                                                                                          | Test item complete and undamaged<br>Prüfmuster vollständig und unbeschädigt                                   |                                                            |                                                                                       |                                              |
| <p>* Legend: P(ass) = passed a.m. test specification(s) F(ail) = failed a.m. test specification(s) N/A = not applicable N/T = not tested</p> <p>* Legende: P(ass) = entspricht o.g. Prüfgrundlage(n) F(ail) = entspricht nicht o.g. Prüfgrundlage(n) N/A = nicht anwendbar N/T = nicht getestet</p>                                                                                                                                                                             |                                                                                                               |                                                            |                                                                                       |                                              |
| <p><b>This test report only relates to the above mentioned test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.</b></p> <p><i>Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens.</i></p> |                                                                                                               |                                                            |                                                                                       |                                              |

Test report no.: CN25SVED 001  
Prüfbericht-Nr.:

Page 2 of 26  
Seite 2 von 26

**Remarks**  
*Anmerkungen*

- |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | <p>The equipment used during the specified testing period was calibrated according to our test laboratory calibration program. The equipment fulfils the requirements included in the relevant standards. The traceability of the test equipment used is ensured by compliance with the regulations of our management system. Detailed information regarding test conditions, equipment and measurement uncertainty is available in the test laboratory and could be provided on request.</p> <p><i>Alle eingesetzten Prüfmittel waren zum angegebenen Prüfzeitraum gemäß eines festgelegten Kalibrierungsprogramms unseres Prüfhauses kalibriert. Sie entsprechen den in den Prüfprogrammen hinterlegten Anforderungen. Die Rückverfolgbarkeit der eingesetzten Prüfmittel ist durch die Einhaltung der Regelungen unseres Managementsystems gegeben.</i></p> <p><i>Detaillierte Informationen bezüglich Prüfkonditionen, Prüfequipment und Messunsicherheiten sind im Prüflabor vorhanden und können auf Wunsch bereitgestellt werden.</i></p>                                                                                                                                                       |
| 2 | <p>As contractually agreed, this document has been signed digitally only. TÜV Rheinland has not verified and unable to verify which legal or other pertaining requirements are applicable for this document. Such verification is within the responsibility of the user of this document. Upon request by its client, TÜV Rheinland can confirm the validity of the digital signature by a separate document. Such request shall be addressed to our Sales department. An environmental fee for such additional service will be charged.</p> <p><i>Wie vertraglich vereinbart, wurde dieses Dokument nur digital unterzeichnet. Der TÜV Rheinland hat nicht überprüft, welche rechtlichen oder sonstigen diesbezüglichen Anforderungen für dieses Dokument gelten. Diese Überprüfung liegt in der Verantwortung des Benutzers dieses Dokuments. Auf Verlangen des Kunden kann der TÜV Rheinland die Gültigkeit der digitalen Signatur durch ein gesondertes Dokument bestätigen. Diese Anfrage ist an unseren Vertrieb zu richten. Eine Umweltgebühr für einen solchen zusätzlichen Service wird erhoben.</i></p>                                                                                      |
| 3 | <p>Test clauses with remark of * are subcontracted to qualified subcontractors and described under the respective test clause in the report. Deviations of testing specification(s) or customer requirements are listed in specific test clause in the report.</p> <p><i>Prüfklausel mit der Note * wurden an qualifizierte Unterauftragnehmer vergeben und sind unter der jeweiligen Prüfklausel des Berichts beschrieben. Abweichungen von Prüfspezifikation(en) oder Kundenanforderungen sind in der jeweiligen Prüfklausel im Bericht aufgeführt.</i></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 4 | <p>The decision rule for statements of conformity, based on numerical measurement results, in this test report is based on the "Zero Guard Band Rule" and "Simple Acceptance" in accordance with ILAC G8:2019 and IEC Guide 115:2021, unless otherwise specified in the applied standard mentioned on Page 1 of this report or requested by the customer. This means that measurement uncertainty is not taken in account and hence also not declared in the test report. For additional information to the resulting risk based of this decision rule please refer to ILAC G8:2019.</p> <p><i>Die Entscheidungsregel für Konformitätserklärungen basierend auf numerischen Messergebnissen in diesem Prüfbericht basiert auf der "Null-Grenzwert-Regel" und der "Einfachen Akzeptanz" gemäß ILAC G8:2019 und IEC Guide 115:2021, es sei denn, in der auf Seite 1 dieses Berichts genannten angewandten Norm ist etwas anderes festgelegt oder vom Kunden gewünscht. Dies bedeutet, dass die Messunsicherheit nicht berücksichtigt wird und daher auch nicht im Prüfbericht angegeben wird. Zu weiteren Informationen bezüglich des Risikos durch diese Entscheidungsregel siehe ILAC G8:2019.</i></p> |

## ***Test Summary***

**5.1.1 ANTENNA REQUIREMENT**

*RESULT: Pass*

**5.1.2 MAXIMUM PEAK CONDUCTED OUTPUT POWER**

*RESULT: Pass*

**5.1.3 CONDUCTED POWER SPECTRAL DENSITY**

*RESULT: Pass*

**5.1.4 6dB BANDWIDTH**

*RESULT: Pass*

**5.1.5 99% BANDWIDTH**

*RESULT: Pass*

**5.1.6 20dB BANDWIDTH**

*RESULT: Pass*

**5.1.7 CARRIER FREQUENCY SEPARATION**

*RESULT: Pass*

**5.1.8 NUMBER OF HOPPING FREQUENCY**

*RESULT: Pass*

**5.1.9 TIME OF OCCUPANCY**

*RESULT: Pass*

**5.1.10 CONDUCTED SPURIOUS EMISSIONS MEASURED IN 100 KHz BANDWIDTH**

*RESULT: Pass*

**5.1.11 RADIATED SPURIOUS EMISSION**

*RESULT: Pass*

**5.1.12 AC CONDUCTED EMISSION**

*RESULT: Pass*

## Contents

|                                                                          |           |
|--------------------------------------------------------------------------|-----------|
| <b>TEST SUMMARY</b>                                                      | <b>3</b>  |
| <b>CONTENTS</b>                                                          | <b>4</b>  |
| <b>1 GENERAL REMARKS</b>                                                 | <b>6</b>  |
| <b>1.1 COMPLEMENTARY MATERIALS</b>                                       | <b>6</b>  |
| <b>2 TEST SITES</b>                                                      | <b>6</b>  |
| <b>2.1 TEST FACILITIES</b>                                               | <b>6</b>  |
| <b>2.2 LIST OF TEST AND MEASUREMENT INSTRUMENTS</b>                      | <b>7</b>  |
| <b>2.3 TRACEABILITY</b>                                                  | <b>7</b>  |
| <b>2.4 CALIBRATION</b>                                                   | <b>7</b>  |
| <b>2.5 MEASUREMENT UNCERTAINTY</b>                                       | <b>8</b>  |
| <b>2.6 LOCATION OF ORIGINAL DATA</b>                                     | <b>8</b>  |
| <b>2.7 STATUS OF FACILITY USED FOR TESTING</b>                           | <b>8</b>  |
| <b>3 GENERAL PRODUCT INFORMATION</b>                                     | <b>9</b>  |
| <b>3.1 PRODUCT FUNCTION AND INTENDED USE</b>                             | <b>9</b>  |
| <b>3.2 RATINGS AND SYSTEM DETAILS</b>                                    | <b>9</b>  |
| <b>3.3 INDEPENDENT OPERATION MODES</b>                                   | <b>10</b> |
| <b>3.4 NOISE GENERATING AND NOISE SUPPRESSING PARTS</b>                  | <b>10</b> |
| <b>3.5 SUBMITTED DOCUMENTS</b>                                           | <b>10</b> |
| <b>4 TEST SET-UP AND OPERATION MODES</b>                                 | <b>11</b> |
| <b>4.1 PRINCIPLE OF CONFIGURATION SELECTION</b>                          | <b>11</b> |
| <b>4.2 TEST OPERATION AND TEST SOFTWARE</b>                              | <b>11</b> |
| <b>4.3 SPECIAL ACCESSORIES AND AUXILIARY EQUIPMENT</b>                   | <b>11</b> |
| <b>4.4 COUNTERMEASURES TO ACHIEVE EMC COMPLIANCE</b>                     | <b>11</b> |
| <b>4.5 TEST SETUP DIAGRAM</b>                                            | <b>12</b> |
| <b>5 TEST RESULTS</b>                                                    | <b>13</b> |
| <b>5.1 TRANSMITTER REQUIREMENT &amp; TEST SUITES</b>                     | <b>13</b> |
| <b>5.1.1 Antenna Requirement</b>                                         | <b>13</b> |
| <b>5.1.2 Maximum Peak Conducted Output Power</b>                         | <b>14</b> |
| <b>5.1.3 Conducted Power Spectral Density</b>                            | <b>16</b> |
| <b>5.1.4 6dB Bandwidth</b>                                               | <b>17</b> |
| <b>5.1.5 99% Bandwidth</b>                                               | <b>18</b> |
| <b>5.1.6 20dB Bandwidth</b>                                              | <b>19</b> |
| <b>5.1.7 Carrier Frequency Separation</b>                                | <b>20</b> |
| <b>5.1.8 Number of Hopping Frequency</b>                                 | <b>21</b> |
| <b>5.1.9 Time of Occupancy</b>                                           | <b>22</b> |
| <b>5.1.10 Conducted Spurious Emissions Measured in 100 kHz Bandwidth</b> | <b>23</b> |
| <b>5.1.11 Radiated Spurious Emission</b>                                 | <b>24</b> |
| <b>5.1.12 AC Conducted Emission</b>                                      | <b>25</b> |

**Prüfbericht - Nr.: CN25SVED 001**  
*Test Report No.:*Seite 5 von 26  
Page 5 of 26

|          |                                             |           |
|----------|---------------------------------------------|-----------|
| <b>6</b> | <b>PHOTOGRAPHS OF THE TEST SET-UP .....</b> | <b>26</b> |
| <b>7</b> | <b>LIST OF TABLES.....</b>                  | <b>26</b> |

# 1 General Remarks

## 1.1 Complementary Materials

All attachments are integral parts of this test report. This applies especially to the following appendix:

Appendix A: Photographs of Test Set-up

Appendix B: Test Results of BR/EDR mode

Appendix C: Test Results of BLE mode

# 2 Test Sites

## 2.1 Test Facilities

### Site 1

Company name:

TÜV Rheinland (Guangdong) Co., Ltd.  
No.102, 1F of Southwest and No.205, 2F of West  
Warehouse Building, No.767 Tianyuan Road, Tianhe  
District, Guangzhou, Guangdong, P.R. China

FCC Registration No.

CN1207

ISED wireless device testing laboratory

11493A

CAB Identifier

CN0018

### Site 2

Company name:

CTC Laboratories, Inc.  
Room 107, 108, 207, 208, 303 of Building A, Room 101 of  
Building B, No.7, Lanqing 1st Road, Luhua Community,  
Guanhu Subdistrict, Longhua District, Shenzhen,  
Guangdong, China.

FCC Registration No.

951311

ISED wireless device testing laboratory

9783A

CAB Identifier

CN0029

Remark:

All the tests were performed on Test site 2.

## 2.2 List of Test and Measurement Instruments

**Table 1: List of Test and Measurement Equipment**

| <b>Radio Spectrum Testing (SRD-Tonscend)</b> |                     |                  |                   |                   |
|----------------------------------------------|---------------------|------------------|-------------------|-------------------|
| <b>Equipment</b>                             | <b>Manufacturer</b> | <b>Model</b>     | <b>Serial No.</b> | <b>Cal. until</b> |
| Spectrum Analyzer                            | R&S                 | FSV40-N          | 101654            | Dec. 12, 2025     |
| Spectrum Analyzer                            | R&S                 | FSV40-N          | 101654            | Dec. 12, 2026     |
| RF Control Unit                              | Tonscend            | JS0806-2         | /                 | Dec. 12, 2025     |
| RF Control Unit                              | Tonscend            | JS0806-2         | /                 | Dec. 12, 2026     |
| Test Software                                | Tonscend            | JS1120-3         | N/A               | N/A               |
| <b>Unwanted Emission Testing</b>             |                     |                  |                   |                   |
| <b>Equipment</b>                             | <b>Manufacturer</b> | <b>Model</b>     | <b>Serial No.</b> | <b>Cal. until</b> |
| Trilog-Broadband Antenna                     | Schwarzbeck         | VULB 9168        | 9168-759          | Oct. 16, 2027     |
| Horn Antenna                                 | Schwarzbeck         | BBHA 9120D       | 9120D-648         | Dec. 11, 2026     |
| Test Receiver                                | Keysight            | N9038A           | MY56400071        | Dec. 12, 2026     |
| Broadband Amplifier                          | Schwarzbeck         | BBV9743B         | 259               | Dec. 12, 2026     |
| Mirowave Broadband Amplifier                 | Schwarzbeck         | BBV9718C         | 111               | Dec. 12, 2026     |
| SHF-EHF Horn Antenna                         | Schwarzbeck         | BBHA 9170        | 013551            | Dec. 12, 2026     |
| Low noise Amplifier                          | Tonscend            | TAP180040048     | AP24C8060348      | Dec. 12, 2026     |
| Test software                                | FARA                | EZ-EMC (FA-03A2) | N/A               | N/A               |
| 3m Semi-Anechoic Chamber                     | YIHENG              | EE106            | /                 | Aug. 28, 2026     |

## 2.3 Traceability

All measurement equipment calibrations are traceable to NIM (National Institute of Metrology) or where calibration is performed in other countries, to equivalent nationally recognized standards organizations.

## 2.4 Calibration

Equipment requiring calibration is calibrated periodically by the manufacturer or according to manufacturer's specifications. Additionally, all equipment is verified for proper performance on a regular basis using in house standards or comparisons.

## 2.5 Measurement Uncertainty

The estimated combined standard uncertainty for radiated emissions and conducted emissions measurements as below table.

| Parameter                                       | Uncertainty                                             |
|-------------------------------------------------|---------------------------------------------------------|
| DTS Bandwidth                                   | $\pm 0.0196\%$                                          |
| Maximum Conducted Output Power                  | $\pm 0.686$ dB                                          |
| Maximum Power Spectral Density Level            | $\pm 0.743$ dB                                          |
| Band-edge Compliance                            | $\pm 1.328$ dB                                          |
| Unwanted Emissions In Non-restricted Freq Bands | 9kHz-1GHz: $\pm 0.746$ dB<br>1GHz-26GHz: $\pm 1.328$ dB |
| Conducted Emissions 9kHz~30MHz                  | $\pm 3.08$ dB                                           |
| Radiated Emissions 30~1000MHz                   | $\pm 4.51$ dB                                           |
| Radiated Emissions 1~18GHz                      | $\pm 5.84$ dB                                           |
| Radiated Emissions 18~40GHz                     | $\pm 6.12$ dB                                           |

## 2.6 Location of Original Data

The original copies of all test data taken during actual testing were attached at Appendix A & B & C of this report and delivered to the applicant. A copy has been retained in the TÜV Rheinland (Guangdong) Co., Ltd. file for certification follow-up purposes.

## 2.7 Status of Facility Used for Testing

The CTC Laboratories, Inc. Test facility located at Room 107, 108, 207, 208, 303 of Building A, Room 101 of Building B, No.7, Lanqing 1st Road, Luh Community, Guanhu Subdistrict, Longhua District, Shenzhen, Guangdong, China.

### 3 General Product Information

#### 3.1 Product Function and Intended Use

The Product is Wi-Fi + BT combo module, which supports Bluetooth, 2.4GHz Wi-Fi 802.11 b/g/n/ax and 5GHz Wi-Fi 802.11a/n/ac/ax wireless technology.

For details refer to the User Manual, Technical Description and Circuit Diagram.

#### 3.2 Ratings and System Details

**Table 2: Technical Specification of EUT**

| General Information of EUT                              | Value                                                                                                                                                                                                                                                                                                    |
|---------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Kind of Equipment:                                      | Camera                                                                                                                                                                                                                                                                                                   |
| Type Designation:                                       | TPSB1                                                                                                                                                                                                                                                                                                    |
| FCC ID:                                                 | CNFTPSB1                                                                                                                                                                                                                                                                                                 |
| IC:                                                     | 10193A-TPSB1                                                                                                                                                                                                                                                                                             |
| HVIN:                                                   | TPSB1                                                                                                                                                                                                                                                                                                    |
| Operating Voltage:                                      | 3.86Vdc, 2150mAh supplied by a rechargeable Lithium Ion Battery, 5Vdc/9Vdc 3A supplied by USB type C port                                                                                                                                                                                                |
| Antenna Type:                                           | Internal Integrated metal antenna                                                                                                                                                                                                                                                                        |
| Antenna Gain:                                           | <b>Wi-Fi Antenna #:</b><br>Max gain 1.37dBi for 2.4GHz Wi-Fi<br>Max gain 1.96dBi for 5GHz Wi-Fi U-NII-1<br>Max gain 2.93dBi for 5GHz Wi-Fi U-NII-2A<br>Max gain 2.75dBi for 5GHz Wi-Fi U-NII-2C<br>Max gain 2.33dBi for 5GHz Wi-Fi U-NII-3<br><br><b>BT Antenna #:</b><br>Max gain 1.37dBi for Bluetooth |
| <b>Technical Specification of Bluetooth</b>             |                                                                                                                                                                                                                                                                                                          |
| Operating Frequency:                                    | 2402 MHz to 2480 MHz                                                                                                                                                                                                                                                                                     |
| Type of Modulation:                                     | GFSK, $\pi/4$ -DQPSK, 8DPSK                                                                                                                                                                                                                                                                              |
| Channel Number:                                         | BDR/EDR:79 channels; BLE:40 Channels                                                                                                                                                                                                                                                                     |
| Channel Separation:                                     | BDR/EDR: 1MHz; BLE: 2MHz                                                                                                                                                                                                                                                                                 |
| <b>Technical Specification of Wi-Fi 802.11 b/g/n/ax</b> |                                                                                                                                                                                                                                                                                                          |
| Operating Frequency:                                    | 2412 - 2462 MHz for 802.11b/g/n(HT20)/ax(HE20)<br>2422 - 2452 MHz for 802.11n(HT40)/ax(HE40)                                                                                                                                                                                                             |
| Type of Modulation:                                     | DSSS(DBPSK/DQPSK/CCK)<br>OFDM(BPSK/QPSK/16-QAM/64-QAM)<br>OFDMA(BPSK/QPSK/16-QAM/64-QAM/256-QAM/1024-QAM)                                                                                                                                                                                                |
| Data Rate:                                              | 1/2/5.5/11 Mbps for 802.11b<br>6/9/12/18/24/36/48/54 Mbps for 802.11g<br>MCS0 ~ MCS7 for 802.11n<br>MCS0 ~ MCS11 for 802.11ax                                                                                                                                                                            |
| Channel Number:                                         | 11 channels for 802.11b/g/n(HT20)/ax(HE20)                                                                                                                                                                                                                                                               |

|                                                          |                                                                                                                            |
|----------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
|                                                          | 7 channels for 802.11n(HT40)/802.11ax(HE40)                                                                                |
| Channel Separation:                                      | 5 MHz                                                                                                                      |
| MIMO and SISO mode:                                      | SISO for 802.11b/g/n/ax                                                                                                    |
| <b>Technical Specification of Wi-Fi 802.11 a/n/ac/ax</b> |                                                                                                                            |
| Operating Frequency:                                     | 5180-5320MHz, 5500-5720MHz, 5745-5825MHz                                                                                   |
| Type of Modulation:                                      | OFDM(BPSK/QPSK/16-QAM/64-QAM/256-QAM)<br>OFDMA(BPSK/QPSK/16-QAM/64-QAM/256-QAM/1024-QAM)                                   |
| Data Rate:                                               | 6/9/12/18/24/36/48/54 Mbps for 802.11a<br>MCS0 ~ MCS7 for 802.11n<br>MCS0 ~ MCS9 for 802.11ac<br>MCS0 ~ MCS11 for 802.11ax |
| Operating Modes:                                         | 802.11 a/n20/n40/ac20/ac40/ac80/ax20/ax40/ax80                                                                             |
| Channel Separation                                       | 5 MHz                                                                                                                      |
| MIMO and SISO mode:                                      | SISO for 802.11a/n/ac/ax                                                                                                   |
| DFS:                                                     | Slave without DFS Detection                                                                                                |

### 3.3 Independent Operation Modes

The basic operation modes are:

- A. On, Bluetooth transmitting mode (BR & EDR mode)
  - 1) Low Channel
  - 2) Middle Channel
  - 3) High Channel
- B. On, Bluetooth Transmitting on Hopping channel (BR & EDR mode)
- C. On, BLE transmitting mode (1M bps & 2Mbps)
  - 1) Low Channel
  - 2) Middle Channel
  - 3) High Channel

### 3.4 Noise Generating and Noise Suppressing Parts

Refer to Circuit Diagram for further details.

### 3.5 Submitted Documents

- Application Form
- User Manual
- Block Diagram
- Operation Description

## 4 Test Set-up and Operation Modes

### 4.1 Principle of Configuration Selection

**Radio Spectrum:** The equipment under test (EUT) was configured at its highest power output in order to measure its highest possible radiation and conducted level. The test modes were adapted accordingly in reference to the instructions for use.

**Emission:** The equipment under test (EUT) was configured to measure its highest possible radiation level. The test modes were adapted accordingly in reference to the instructions for use.

### 4.2 Test Operation and Test Software

Test operation refers to test setup in chapter 5. All tests were performed according to the procedures in ANSI C63.10: 2020.

According to clause 3.1, all tests were performed in this report.

**Table 3: Test environments**

| Environment Parameter | Selected Values During Tests |          |                   |
|-----------------------|------------------------------|----------|-------------------|
|                       | Temperature                  | Voltage  | Relative Humidity |
| NTNV                  | 24.6°C                       | DC 3.86V | Ambient           |

**Table 4: Test channel and frequency**

| Mode     | Test Channels                      |
|----------|------------------------------------|
| BR & EDR | L: 2402MHz; M: 2441MHz; H: 2480MHz |
| BLE      | L: 2402MHz; M: 2440MHz; H: 2480MHz |

### 4.3 Special Accessories and Auxiliary Equipment

**Table 5: Auxiliary Equipment Used during Test**

| Description | Manufacturer | Model               | S/N       | Rating |
|-------------|--------------|---------------------|-----------|--------|
| Laptop      | Lenovo       | ThinkBook 14 G3 ACL | MP2462ZQ7 | /      |
| Charger     | Anker        | A2692               | /         | /      |

### 4.4 Countermeasures to Achieve EMC Compliance

The test sample which has been tested contained the noise suppression parts as described in the Technical Construction File (TCF).

No additional measures were employed to achieve compliance.

## 4.5 Test Setup Diagram

Diagram of Measurement Configuration for Radiation Test (Below 1GHz)

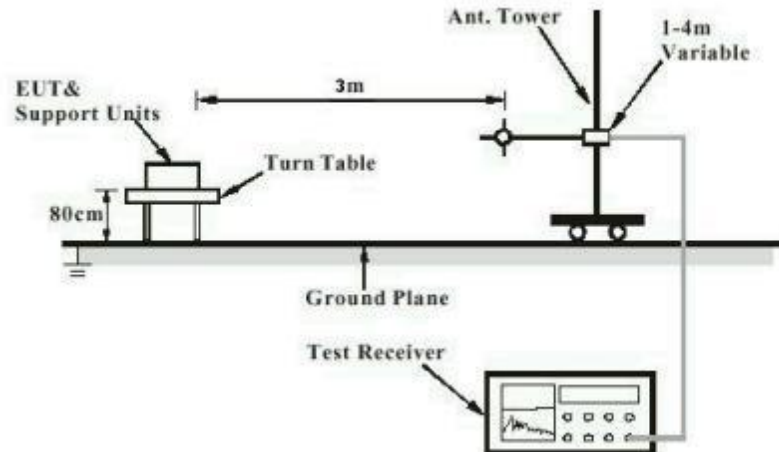


Diagram of Measurement Configuration for Radiation Test (Above 1GHz)

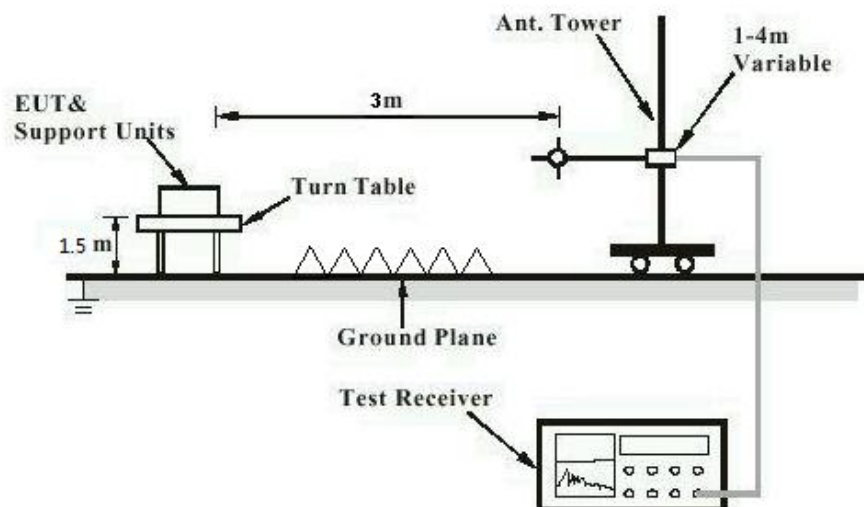
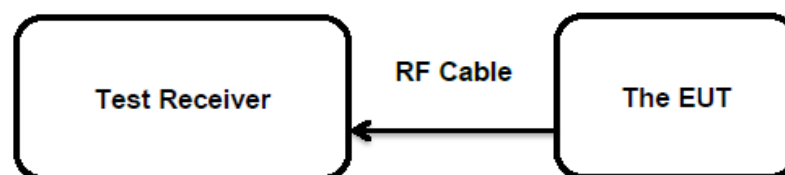


Diagram of Measurement Configuration for Conducted Transmitter Measurement



## 5 Test Results

### 5.1 Transmitter Requirement & Test Suites

#### 5.1.1 Antenna Requirement

RESULT:

**Pass**

**Test Specification**

Test standard : FCC Part 15.247(b)(4) and Part 15.203  
RSS-Gen Clause 6.8

The EUT has an integral antennas with a unique connector, which is designed with permanent attachment and no consideration of replacement. The maximum antenna gain is 1.37 dBi.

Therefore the EUT is considered sufficient to comply with the provision.

Refer to EUT Photo for further details.

## 5.1.2 Maximum Peak Conducted Output Power

**RESULT:****Pass****Test Specification**

|                   |                                                     |
|-------------------|-----------------------------------------------------|
| Test standard     | : FCC Part 15.247(b)(1)&(3)<br>RSS-247 Clause 6.3.2 |
| Basic standard    | : ANSI C63.10: 2020                                 |
| Limits            | : FHSS < 0.125 Watts, DSSS < 1.0 Watts              |
| Kind of test site | : Shielded Room                                     |

**Test Setup**

|                      |                                                                                                                |
|----------------------|----------------------------------------------------------------------------------------------------------------|
| Date of testing      | : 2025-12-10 to 2025-12-21                                                                                     |
| Input voltage        | : 3.86Vdc, 2150mAh supplied by a rechargeable Lithium Ion<br>Battery, 5Vdc/9Vdc 3A supplied by USB type C port |
| Operation mode       | : A, C                                                                                                         |
| Test channel         | : Low / Middle / High                                                                                          |
| Ambient temperature  | : 24.6 °C                                                                                                      |
| Relative humidity    | : 55 %                                                                                                         |
| Atmospheric pressure | : 101 kPa                                                                                                      |

**Table 6: Test Result of Maximum Conducted Output Power**

| Test Mode | Antenna | Freq (MHz) | Conducted Power[dBm] | Conducted Limit[dBm] | Gain [dBi] | EIRP [dBm]  | EIRP Limit [dBm] | Verdict |
|-----------|---------|------------|----------------------|----------------------|------------|-------------|------------------|---------|
| DH5       | Ant1    | 2402       | <b>7.06</b>          | ≤20.97               | 1.37       | <b>8.43</b> | ≤36.00           | PASS    |
|           |         | 2441       | 6.50                 | ≤20.97               | 1.37       | 7.87        | ≤36.00           | PASS    |
|           |         | 2480       | 6.56                 | ≤20.97               | 1.37       | 7.93        | ≤36.00           | PASS    |
| 2DH5      | Ant1    | 2402       | 0.52                 | ≤20.97               | 1.37       | 1.89        | ≤36.00           | PASS    |
|           |         | 2441       | 0.84                 | ≤20.97               | 1.37       | 2.21        | ≤36.00           | PASS    |
|           |         | 2480       | 1.19                 | ≤20.97               | 1.37       | 2.56        | ≤36.00           | PASS    |
| 3DH5      | Ant1    | 2402       | 0.54                 | ≤20.97               | 1.37       | 1.91        | ≤36.00           | PASS    |
|           |         | 2441       | 0.86                 | ≤20.97               | 1.37       | 2.23        | ≤36.00           | PASS    |
|           |         | 2480       | 1.23                 | ≤20.97               | 1.37       | 2.60        | ≤36.00           | PASS    |

| Test Mode | Antenna | Freq (MHz) | Conducted Power[dBm] | Conducted Limit[dBm] | Gain [dBi] | EIRP [dBm]  | EIRP Limit [dBm] | Verdict |
|-----------|---------|------------|----------------------|----------------------|------------|-------------|------------------|---------|
| BLE_1M    | Ant1    | 2402       | 6.63                 | ≤30.00               | 1.37       | 8.00        | ≤36.00           | PASS    |
|           |         | 2440       | 6.70                 | ≤30.00               | 1.37       | 8.07        | ≤36.00           | PASS    |
|           |         | 2480       | 6.73                 | ≤30.00               | 1.37       | 8.10        | ≤36.00           | PASS    |
| BLE_2M    | Ant1    | 2402       | <b>6.89</b>          | ≤30.00               | 1.37       | <b>8.26</b> | ≤36.00           | PASS    |
|           |         | 2440       | 6.88                 | ≤30.00               | 1.37       | 8.25        | ≤36.00           | PASS    |
|           |         | 2480       | 6.87                 | ≤30.00               | 1.37       | 8.24        | ≤36.00           | PASS    |

**Note:**

- 1) The cable loss is taken into account in results.
- 2) The max conducted power for BR&EDR is 7.06dBm.  
The max EIRP power for BR&EDR is 8.43dBm
- 3) The max conducted power for BLE is 6.89dBm.  
The max EIRP power for BLE is 8.26dBm
- 4) e.i.r.p.=P<sub>(power)</sub>+ G, which is far below the 4 W (36dBm)

### 5.1.3 Conducted Power Spectral Density

**RESULT:****Pass****Test Specification**

|                   |                                                 |
|-------------------|-------------------------------------------------|
| Test standard     | : FCC Part 15.247(e)<br>RSS-247 Clause 6.3.1(b) |
| Basic standard    | : ANSI C63.10: 2020                             |
| Limits            | : < 8 dBm / 3kHz                                |
| Kind of test site | : Shielded Room                                 |

**Test Setup**

|                      |                                                                                                                |
|----------------------|----------------------------------------------------------------------------------------------------------------|
| Date of testing      | : 2025-12-10 to 2025-12-21                                                                                     |
| Input voltage        | : 3.86Vdc, 2150mAh supplied by a rechargeable Lithium Ion<br>Battery, 5Vdc/9Vdc 3A supplied by USB type C port |
| Operation mode       | : C                                                                                                            |
| Test channel         | : Low / Middle / High                                                                                          |
| Ambient temperature  | : 24.6 °C                                                                                                      |
| Relative humidity    | : 55 %                                                                                                         |
| Atmospheric pressure | : 101 kPa                                                                                                      |

For the measurement records, refer to the appendix C.

### 5.1.4 6dB Bandwidth

**RESULT:****Pass****Test Specification**

|                   |                           |
|-------------------|---------------------------|
| Test standard     | : FCC Part 15.247(a)(2)   |
|                   | : RSS-247 Clause 6.3.1(a) |
| Basic standard    | : ANSI C63.10: 2020       |
| Limits            | : > 500 KHz               |
| Kind of test site | : Shielded Room           |

**Test Setup**

|                      |                                                                                                                |
|----------------------|----------------------------------------------------------------------------------------------------------------|
| Date of testing      | : 2025-12-10 to 2025-12-21                                                                                     |
| Input voltage        | : 3.86Vdc, 2150mAh supplied by a rechargeable Lithium Ion<br>Battery, 5Vdc/9Vdc 3A supplied by USB type C port |
| Operation mode       | : C                                                                                                            |
| Test channel         | : Low / Middle / High                                                                                          |
| Ambient temperature  | : 24.6 °C                                                                                                      |
| Relative humidity    | : 55 %                                                                                                         |
| Atmospheric pressure | : 101 kPa                                                                                                      |

For the measurement records, refer to the appendix C.

Prüfbericht - Nr.: **CN25SVED 001**  
Test Report No.:Seite 18 von 26  
Page 18 of 26

### 5.1.5 99% Bandwidth

**RESULT:****Pass****Test Specification**

|                   |   |                                          |
|-------------------|---|------------------------------------------|
| Test standard     | : | FCC Part 15.247(a)<br>RSS-Gen Clause 6.7 |
| Basic standard    | : | ANSI C63.10: 2020                        |
| Kind of test site | : | Shielded Room                            |

**Test Setup**

|                      |   |                                                                                                              |
|----------------------|---|--------------------------------------------------------------------------------------------------------------|
| Date of testing      | : | 2025-12-10 to 2025-12-21                                                                                     |
| Input voltage        | : | 3.86Vdc, 2150mAh supplied by a rechargeable Lithium Ion<br>Battery, 5Vdc/9Vdc 3A supplied by USB type C port |
| Operation mode       | : | A,C                                                                                                          |
| Test channel         | : | Low / Middle / High                                                                                          |
| Ambient temperature  | : | 24.6 °C                                                                                                      |
| Relative humidity    | : | 55 %                                                                                                         |
| Atmospheric pressure | : | 101 kPa                                                                                                      |

For the measurement records, refer to the appendix B and C.

**Prüfbericht - Nr.: CN25SVED 001**  
Test Report No.:Seite 19 von 26  
Page 19 of 26

### 5.1.6 20dB Bandwidth

**RESULT:****Pass****Test Specification**

|                   |   |                       |
|-------------------|---|-----------------------|
| Test standard     | : | FCC Part 15.247(a)(1) |
|                   | : | RSS-Gen Clause 6.7    |
| Basic standard    | : | ANSI C63.10: 2020     |
| Kind of test site | : | Shielded Room         |

**Test Setup**

|                      |   |                                                                                                           |
|----------------------|---|-----------------------------------------------------------------------------------------------------------|
| Date of testing      | : | 2025-12-10 to 2025-12-21                                                                                  |
| Input voltage        | : | 3.86Vdc, 2150mAh supplied by a rechargeable Lithium Ion Battery, 5Vdc/9Vdc 3A supplied by USB type C port |
| Operation mode       | : | A                                                                                                         |
| Test channel         | : | Low / Middle / High                                                                                       |
| Ambient temperature  | : | 24.6 °C                                                                                                   |
| Relative humidity    | : | 55 %                                                                                                      |
| Atmospheric pressure | : | 101 kPa                                                                                                   |

For the measurement records, refer to the appendix B.

### 5.1.7 Carrier Frequency Separation

**RESULT:****Pass****Test Specification**

|                   |                                                                      |
|-------------------|----------------------------------------------------------------------|
| Test standard     | : FCC Part 15.247(a)(1)<br>RSS-247 Clause 6.2.1b                     |
| Basic standard    | : ANSI C63.10: 2020                                                  |
| Limits            | : $\geq 25\text{kHz}$ or 2/3 of 20dB bandwidth, whichever is greater |
| Kind of test site | : Shielded Room                                                      |

**Test Setup**

|                      |                                                                                                                |
|----------------------|----------------------------------------------------------------------------------------------------------------|
| Date of testing      | : 2025-12-10 to 2025-12-21                                                                                     |
| Input voltage        | : 3.86Vdc, 2150mAh supplied by a rechargeable Lithium Ion<br>Battery, 5Vdc/9Vdc 3A supplied by USB type C port |
| Operation mode       | : B                                                                                                            |
| Test channel         | : Low / Middle / High                                                                                          |
| Ambient temperature  | : 24.6 °C                                                                                                      |
| Relative humidity    | : 55 %                                                                                                         |
| Atmospheric pressure | : 101 kPa                                                                                                      |

For the measurement records, refer to the appendix B.

Prüfbericht - Nr.: **CN25SVED 001**  
Test Report No.:Seite 21 von 26  
Page 21 of 26

### 5.1.8 Number of Hopping Frequency

**RESULT:****Pass****Test Specification**

|                   |                                      |
|-------------------|--------------------------------------|
| Test standard     | : FCC part 15.247(a)(1)(iii)         |
|                   | : RSS-247 Clause 6.2.3.1(b)          |
| Basic standard    | : ANSI C63.10: 2020                  |
| Limits            | : $\geq 15$ non-overlapping channels |
| Kind of test site | : Shielded Room                      |

**Test Setup**

|                      |                                                                                                             |
|----------------------|-------------------------------------------------------------------------------------------------------------|
| Date of testing      | : 2025-12-10 to 2025-12-21                                                                                  |
| Input voltage        | : 3.86Vdc, 2150mAh supplied by a rechargeable Lithium Ion Battery, 5Vdc/9Vdc 3A supplied by USB type C port |
| Operation mode       | : B                                                                                                         |
| Ambient temperature  | : 24.6 °C                                                                                                   |
| Relative humidity    | : 55 %                                                                                                      |
| Atmospheric pressure | : 101 kPa                                                                                                   |

For the measurement records, refer to the appendix B.

## 5.1.9 Time of Occupancy

**RESULT:****Pass****Test Specification**

|                   |                                                           |
|-------------------|-----------------------------------------------------------|
| Test standard     | : FCC part 15.247(a)(1)(iii)<br>RSS-247 Clause 6.2.3.1(b) |
| Basic standard    | : ANSI C63.10: 2020                                       |
| Limits            | : < 0.4s                                                  |
| Kind of test site | : Shielded Room                                           |

**Test Setup**

|                      |                                                                                                                |
|----------------------|----------------------------------------------------------------------------------------------------------------|
| Date of testing      | : 2025-12-10 to 2025-12-21                                                                                     |
| Input voltage        | : 3.86Vdc, 2150mAh supplied by a rechargeable Lithium Ion<br>Battery, 5Vdc/9Vdc 3A supplied by USB type C port |
| Operation mode       | : B                                                                                                            |
| Test channel         | : Low / Middle / High                                                                                          |
| Ambient temperature  | : 24.6 °C                                                                                                      |
| Relative humidity    | : 55 %                                                                                                         |
| Atmospheric pressure | : 101 kPa                                                                                                      |

For the measurement records, refer to the appendix B.

### 5.1.10 Conducted Spurious Emissions Measured in 100 kHz Bandwidth

**RESULT:****Pass****Test Specification**

|                   |                                                                                                                                                                                                                                                                    |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test standard     | : FCC Part 15.247(d)<br>RSS-247 Clause 6.6                                                                                                                                                                                                                         |
| Basic standard    | : ANSI C63.10: 2020                                                                                                                                                                                                                                                |
| Limits            | : 20dB (below that in the 100kHz bandwidth within the band that contains the highest level of the desired power);<br>In addition, radiated emissions which fall in the restricted bands, must also comply with the radiated emission limits specified in 15.209(a) |
| Kind of test site | : Shielded Room                                                                                                                                                                                                                                                    |

**Test Setup**

|                      |                                                                                                             |
|----------------------|-------------------------------------------------------------------------------------------------------------|
| Date of testing      | : 2025-12-10 to 2025-12-21                                                                                  |
| Input voltage        | : 3.86Vdc, 2150mAh supplied by a rechargeable Lithium Ion Battery, 5Vdc/9Vdc 3A supplied by USB type C port |
| Operation mode       | : A,B,C                                                                                                     |
| Test channel         | : Low / Middle / High                                                                                       |
| Ambient temperature  | : 24.6 °C                                                                                                   |
| Relative humidity    | : 55 %                                                                                                      |
| Atmospheric pressure | : 101 kPa                                                                                                   |

Test results of 100kHz Bandwidth of Frequency Band Edge by Conducted method refer to test plots, and compliance is achieved as well.

For the measurement records, refer to the appendixes B & C.

### 5.1.11 Radiated Spurious Emission

**RESULT:****Pass****Test Specification**

|                   |                                                               |
|-------------------|---------------------------------------------------------------|
| Test standard     | : FCC Part 15.247(d) & FCC Part 15.205<br>RSS-247 Clause 6.6  |
| Basic standard    | : ANSI C63.10: 2020                                           |
| Limits            | : Refer to 15.209(a) of FCC part 15.247(d)<br>RSS-Gen Table 5 |
| Kind of test site | : 3m Semi-anechoic Chamber                                    |

**Test Setup**

|                      |                                                                                                                |
|----------------------|----------------------------------------------------------------------------------------------------------------|
| Date of testing      | : 2025-12-14 to 2025-12-21                                                                                     |
| Input voltage        | : 3.86Vdc, 2150mAh supplied by a rechargeable Lithium Ion<br>Battery, 5Vdc/9Vdc 3A supplied by USB type C port |
| Operation mode       | : A, C                                                                                                         |
| Test channel         | : Low / Middle / High                                                                                          |
| Ambient temperature  | : Refer to test result                                                                                         |
| Relative humidity    | : Refer to test result                                                                                         |
| Atmospheric pressure | : 101 kPa                                                                                                      |

**Remark:**

Testing was carried out within frequency range 9kHz to the tenth harmonics. Only the worst case spurious emissions configuration of the each mode were reported.

For the measurement records, refer to the appendixes B & C.

Prüfbericht - Nr.: **CN25SVED 001**  
Test Report No.:Seite 25 von 26  
Page 25 of 26**5.1.12 AC Conducted Emission****RESULT:****Pass****Test Specification**

Test standard : FCC Part 15.207(a)  
Basic standard : ANSI C63.10: 2020  
Frequency range : 0.15 – 30MHz  
Limits : FCC Part 15.207(a)  
RSS-Gen Table 4  
Kind of test site : Shielded Room

**Test Setup**

Date of testing : 2026-01-06  
Input voltage : 3.86Vdc, 2150mAh supplied by a rechargeable Lithium Ion  
Battery, 5Vdc/9Vdc 3A supplied by USB type C port  
Operation mode : B, C  
Test channel : Low / Middle / High  
Ambient temperature : Refer to test result  
Relative humidity : Refer to test result  
Atmospheric pressure : 101 kPa

## 6 Photographs of the Test Set-Up

For photographs of the test set-up, refer to the appendix A.

## 7 List of Tables

|                                                             |    |
|-------------------------------------------------------------|----|
| Table 1: List of Test and Measurement Equipment.....        | 7  |
| Table 2: Technical Specification of EUT .....               | 9  |
| Table 3: Test environments .....                            | 11 |
| Table 4: Test channel and frequency.....                    | 11 |
| Table 5: Auxiliary Equipment Used during Test .....         | 11 |
| Table 6: Test Result of Maximum Conducted Output Power..... | 15 |

## Appendix B: Test Results of BR & EDR

|                                                                                                      |           |
|------------------------------------------------------------------------------------------------------|-----------|
| <b>APPENDIX B: TEST RESULTS OF BR &amp; EDR .....</b>                                                | <b>1</b>  |
| <b>APPENDIX B.1: TEST RESULTS OF 99% BANDWIDTH .....</b>                                             | <b>2</b>  |
| <b>APPENDIX B.2: TEST RESULTS OF 20dB BANDWIDTH.....</b>                                             | <b>6</b>  |
| <b>APPENDIX B.3: TEST RESULTS OF CARRIER FREQUENCY SEPARATION .....</b>                              | <b>10</b> |
| <b>APPENDIX B.4: TEST RESULTS OF NUMBER OF HOPPING FREQUENCY .....</b>                               | <b>12</b> |
| <b>APPENDIX B.5: TEST RESULTS OF TIME OF OCCUPANCY.....</b>                                          | <b>14</b> |
| <b>APPENDIX B.6: TEST RESULTS OF CONDUCTED SPURIOUS EMISSIONS MEASURED IN 100 kHz BANDWIDTH.....</b> | <b>21</b> |
| <b>APPENDIX B.7: TEST RESULTS OF RADIATED SPURIOUS EMISSIONS .....</b>                               | <b>36</b> |
| 30MHz - 1GHz .....                                                                                   | 36        |
| Above 1GHz.....                                                                                      | 38        |
| <b>APPENDIX B.8: TEST RESULTS OF CONDUCTED EMISSION ON AC MAINS.....</b>                             | <b>48</b> |

## Appendix B.1: Test Results of 99% Bandwidth

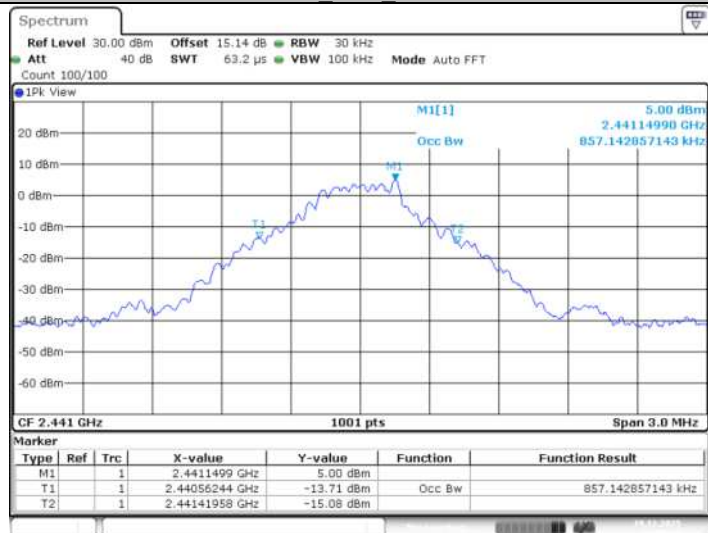
| TestMode | Antenna | Freq(MHz) | OCB [MHz] | FL[MHz]   | FH[MHz]   | Limit[MHz] | Verdict |
|----------|---------|-----------|-----------|-----------|-----------|------------|---------|
| DH5      | Ant1    | 2402      | 0.926     | 2401.5265 | 2402.4525 | ---        | ---     |
|          |         | 2441      | 0.857     | 2440.5624 | 2441.4196 | ---        | ---     |
|          |         | 2480      | 0.926     | 2479.5235 | 2480.4496 | ---        | ---     |
| 2DH5     | Ant1    | 2402      | 1.196     | 2401.4006 | 2402.5964 | ---        | ---     |
|          |         | 2441      | 1.196     | 2440.3976 | 2441.5934 | ---        | ---     |
|          |         | 2480      | 1.196     | 2479.3946 | 2480.5904 | ---        | ---     |
| 3DH5     | Ant1    | 2402      | 1.196     | 2401.4006 | 2402.5964 | ---        | ---     |
|          |         | 2441      | 1.19      | 2440.4006 | 2441.5904 | ---        | ---     |
|          |         | 2480      | 1.199     | 2479.3946 | 2480.5934 | ---        | ---     |

### DH5\_Ant1\_2402



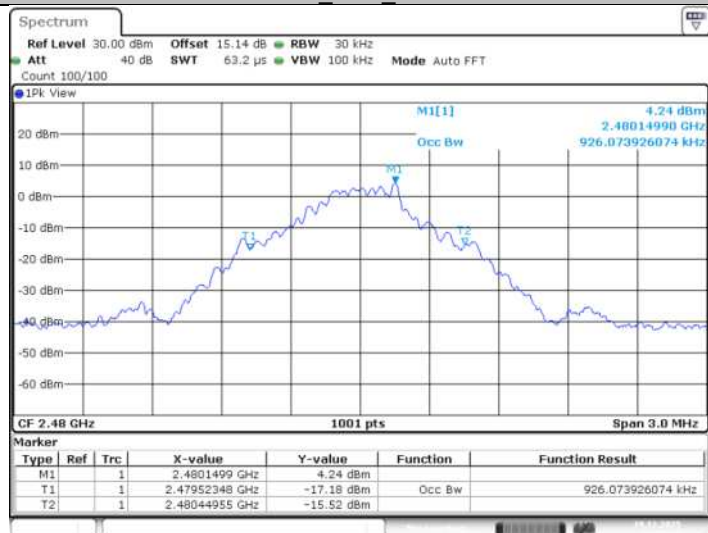
Date: 19.DEC.2025 14:32:14

### DH5\_Ant1\_2441



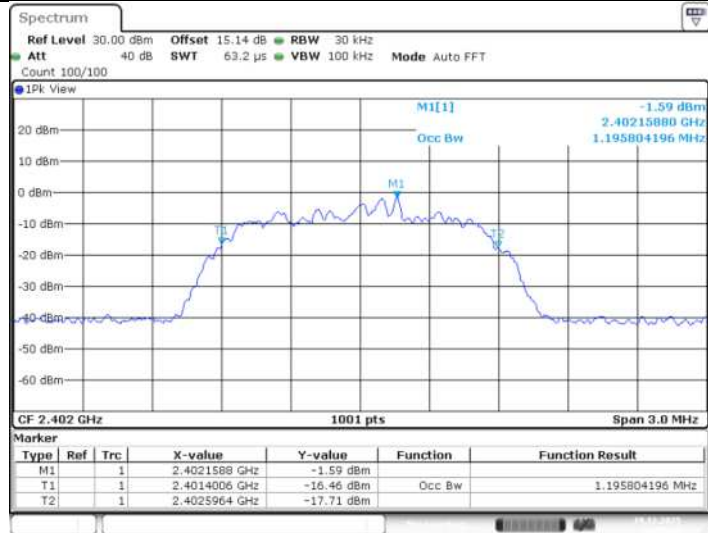
Date: 19.DEC.2025 14:35:58

### DH5\_Ant1\_2480



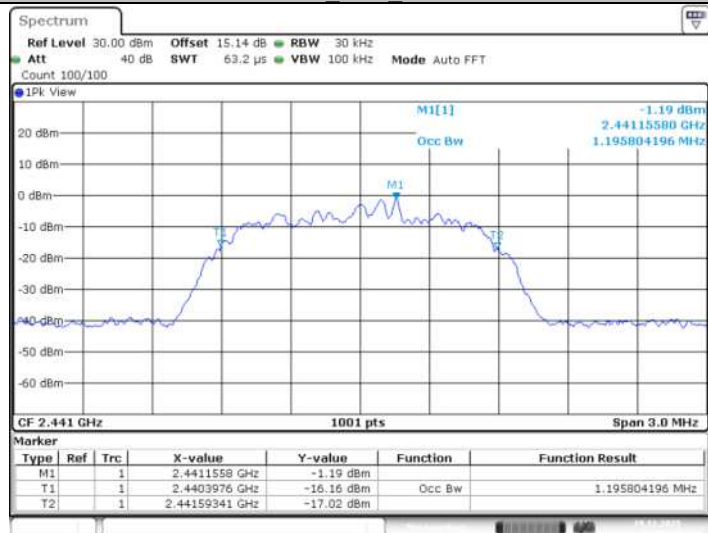
Date: 19.DEC.2025 14:37:32

### 2DH5 Ant1\_2402



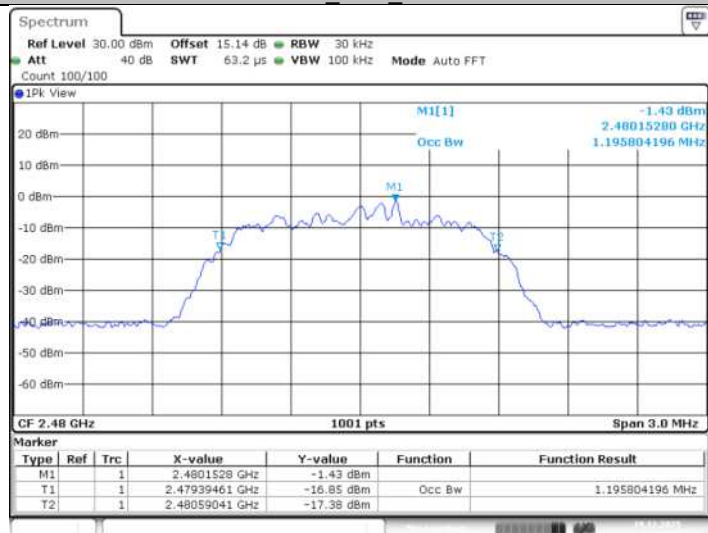
Date: 19.DEC.2025 14:39:35

### 2DH5 Ant1\_2441



Date: 19.DEC.2025 14:41:29

### 2DH5 Ant1\_2480



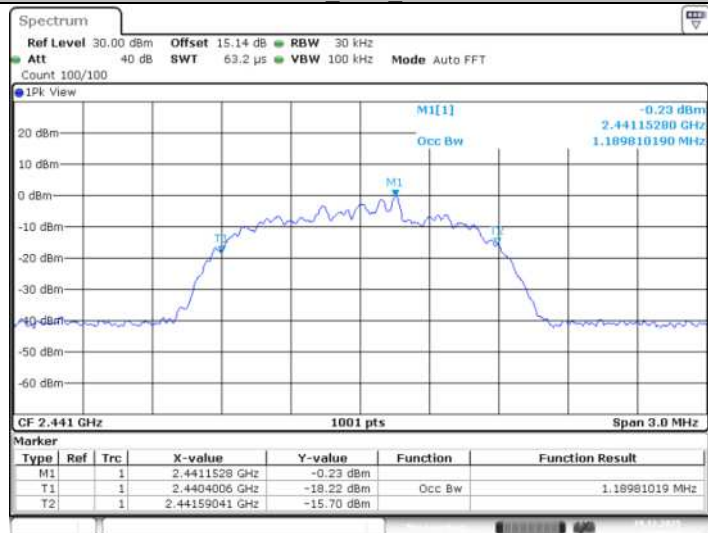
Date: 19.DEC.2025 14:43:08

### 3DH5 Ant1\_2402



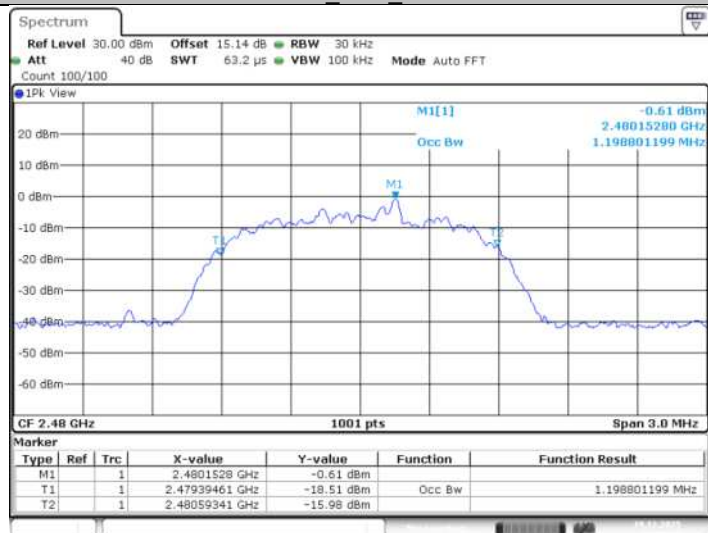
Date: 19.DEC.2025 14:44:59

### 3DH5 Ant1\_2441



Date: 19.DEC.2025 14:46:45

### 3DH5 Ant1\_2480



Date: 19.DEC.2025 14:48:26

## Appendix B.2: Test Results of 20dB Bandwidth

| TestMode | Antenna | Freq(MHz) | 20dB EBW[MHz] | FL[MHz] | FH[MHz] | Limit[MHz] | Verdict |
|----------|---------|-----------|---------------|---------|---------|------------|---------|
| DH5      | Ant1    | 2402      | 1.03          | 2401.48 | 2402.51 | ---        | ---     |
|          |         | 2441      | 0.99          | 2440.48 | 2441.47 | ---        | ---     |
|          |         | 2480      | 1.03          | 2479.47 | 2480.51 | ---        | ---     |
| 2DH5     | Ant1    | 2402      | 1.34          | 2401.33 | 2402.66 | ---        | ---     |
|          |         | 2441      | 1.34          | 2440.33 | 2441.66 | ---        | ---     |
|          |         | 2480      | 1.34          | 2479.33 | 2480.66 | ---        | ---     |
| 3DH5     | Ant1    | 2402      | 1.30          | 2401.35 | 2402.65 | ---        | ---     |
|          |         | 2441      | 1.30          | 2440.35 | 2441.65 | ---        | ---     |
|          |         | 2480      | 1.30          | 2479.35 | 2480.65 | ---        | ---     |

### DH5\_Ant1\_2402



Date: 19.DEC.2025 14:32:05

### DH5\_Ant1\_2441



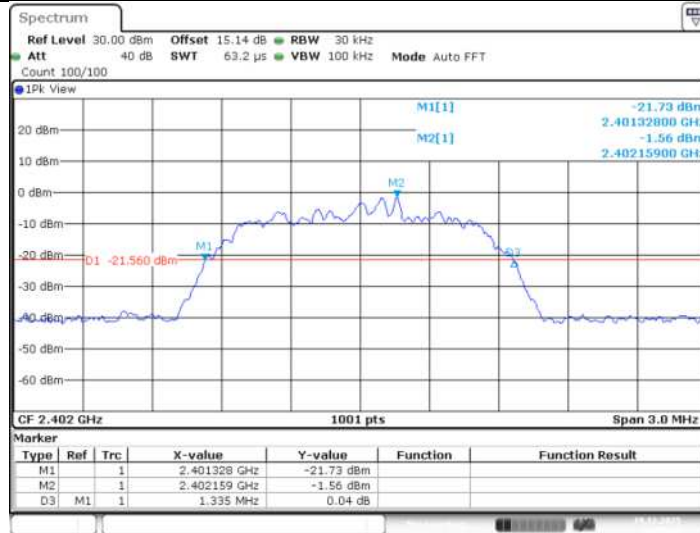
Date: 19.DEC.2025 14:35:50

### DH5\_Ant1\_2480



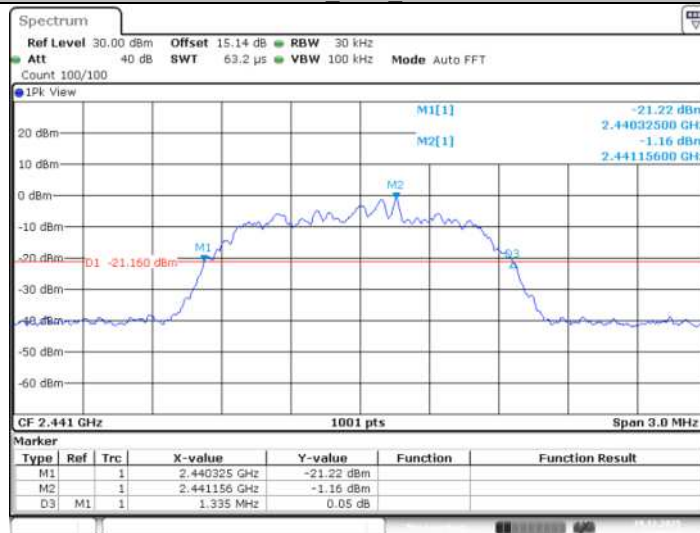
Date: 19.DEC.2025 14:37:24

### 2DH5 Ant1\_2402



Date: 19.DEC.2025 14:39:26

### 2DH5 Ant1\_2441



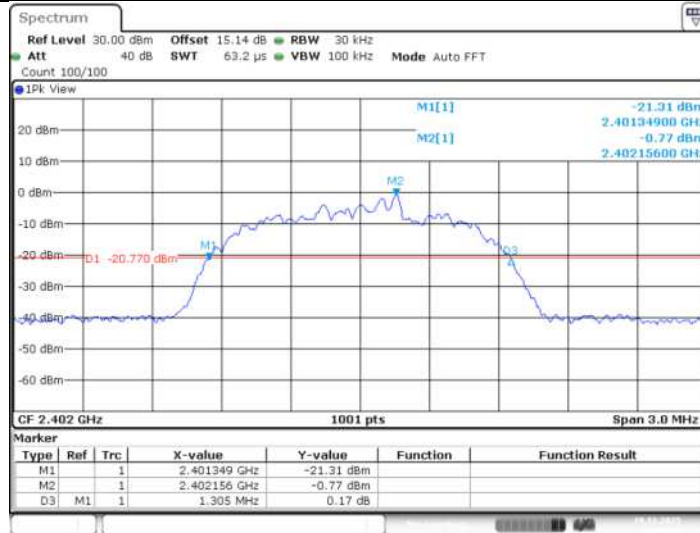
Date: 19.DEC.2025 14:41:21

### 2DH5 Ant1\_2480



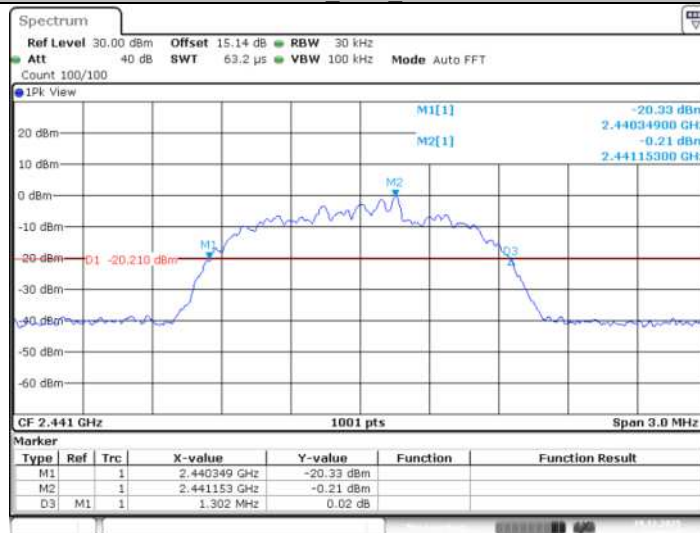
Date: 19.DEC.2025 14:43:00

### 3DH5 Ant1\_2402



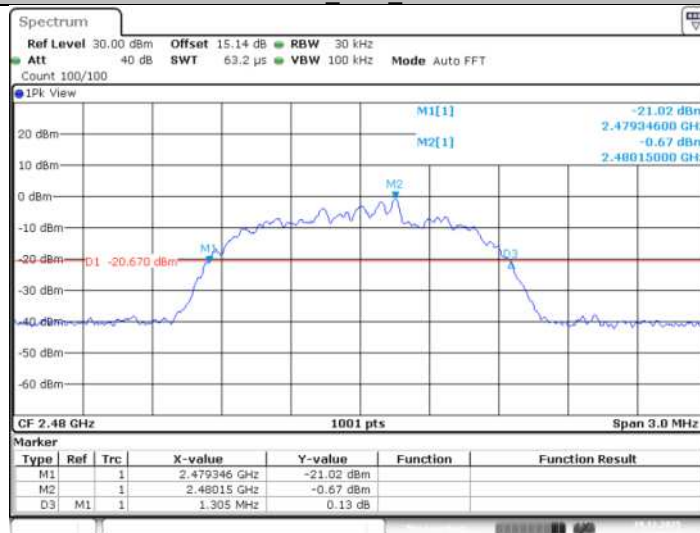
Date: 19.DEC.2025 14:44:51

### 3DH5 Ant1\_2441



Date: 19.DEC.2025 14:46:36

### 3DH5 Ant1\_2480

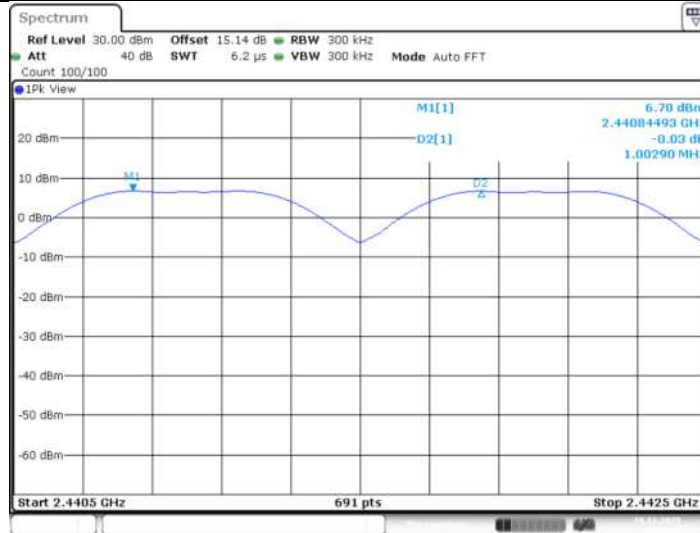


Date: 19.DEC.2025 14:48:17

### **Appendix B.3: Test Results of Carrier Frequency Separation**

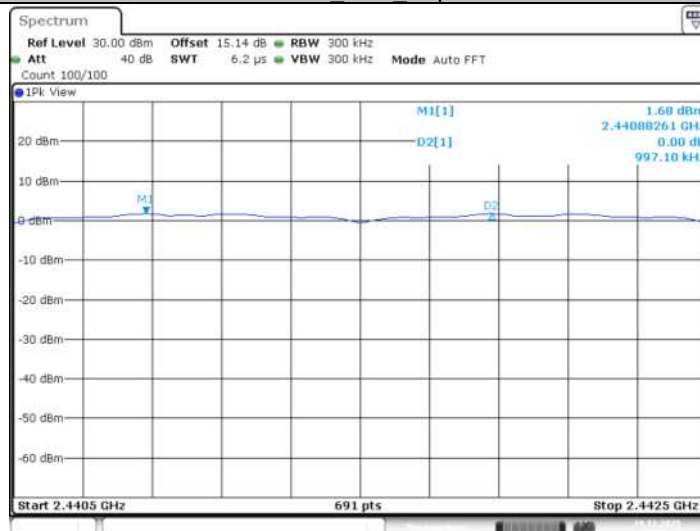
| TestMode | Antenna | Freq(MHz) | Result[MHz] | Limit[MHz]   | Verdict |
|----------|---------|-----------|-------------|--------------|---------|
| DH5      | Ant1    | Hop       | 1.003       | $\geq 0.687$ | PASS    |
| 2DH5     | Ant1    | Hop       | 0.997       | $\geq 0.893$ | PASS    |
| 3DH5     | Ant1    | Hop       | 1.061       | $\geq 0.867$ | PASS    |

### DH5\_Ant1\_Hop



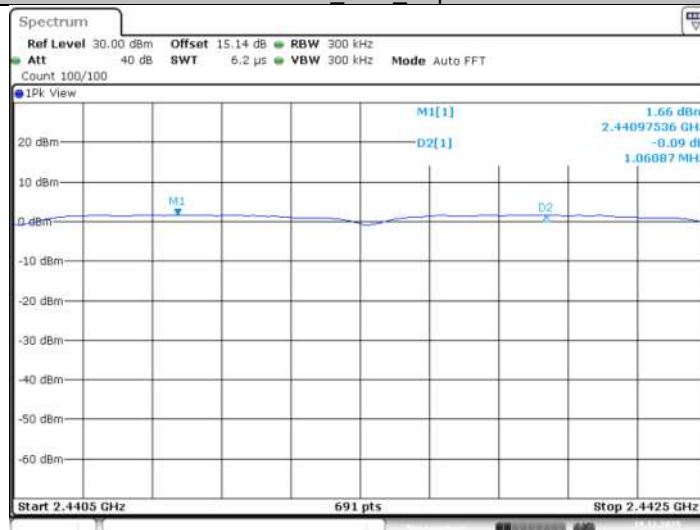
Date: 19.DEC.2025 15:01:16

### 2DH5\_Ant1\_Hop



Date: 19.DEC.2025 15:11:40

### 3DH5\_Ant1\_Hop

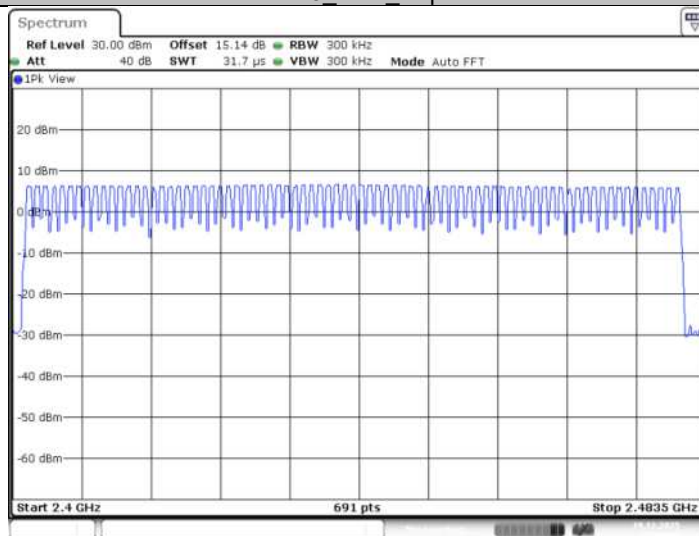


Date: 19.DEC.2025 15:24:20

#### **Appendix B.4: Test Results of Number of Hopping Frequency**

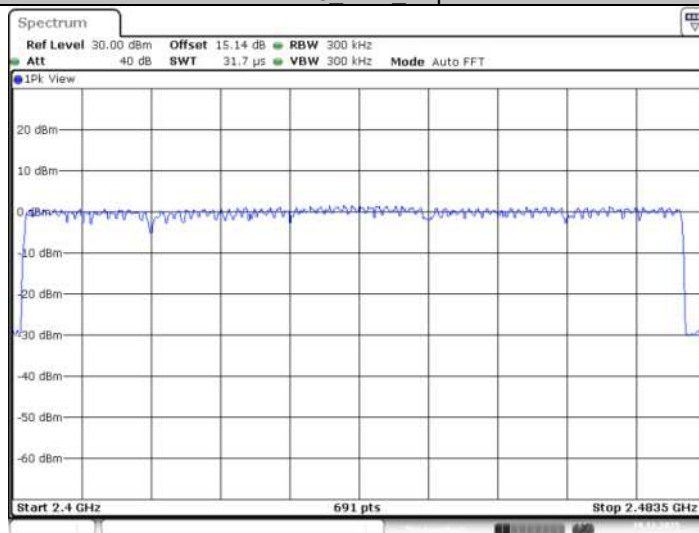
| TestMode | Antenna | Freq(MHz) | Result[Num] | Limit[Num] | Verdict |
|----------|---------|-----------|-------------|------------|---------|
| DH5      | Ant1    | Hop       | 79          | ≥15        | PASS    |
| 2DH5     | Ant1    | Hop       | 79          | ≥15        | PASS    |
| 3DH5     | Ant1    | Hop       | 79          | ≥15        | PASS    |

DH5\_Ant1\_Hop



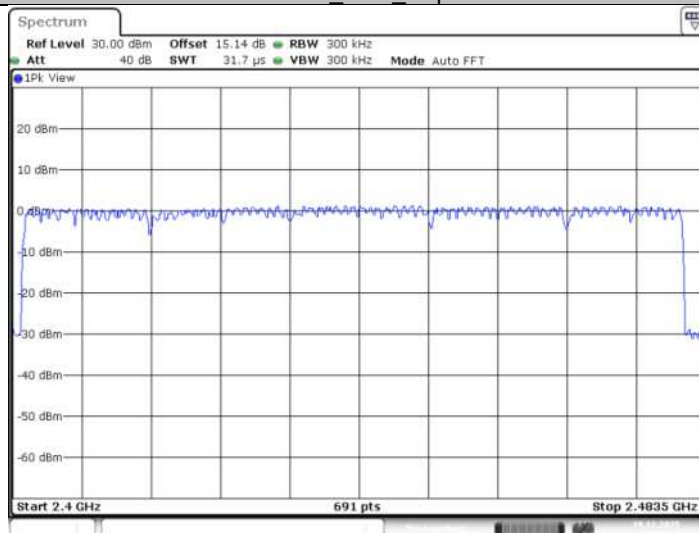
Date: 19.DEC.2025 15:02:04

2DH5\_Ant1\_Hop



Date: 19.DEC.2025 15:12:46

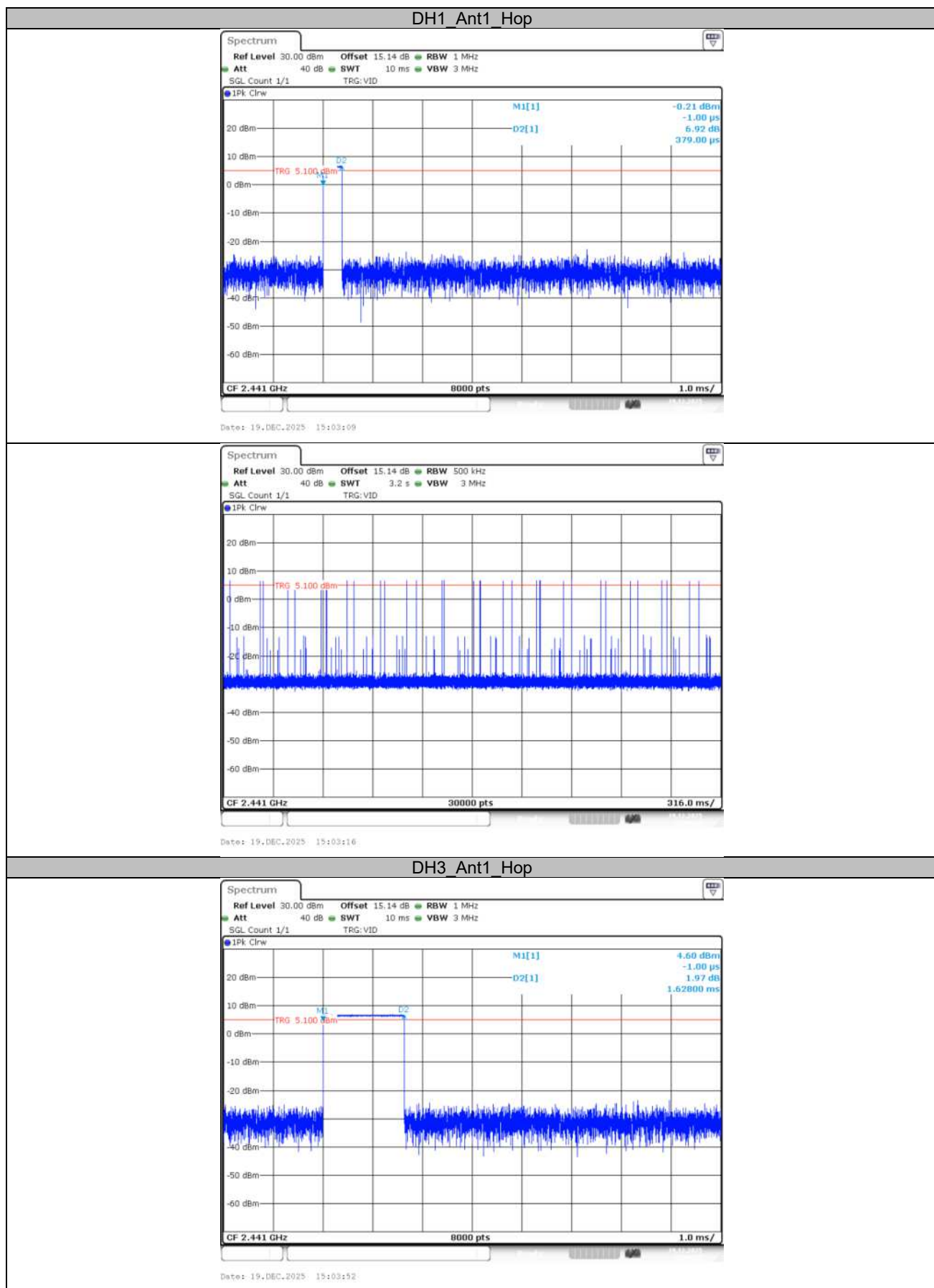
3DH5\_Ant1\_Hop

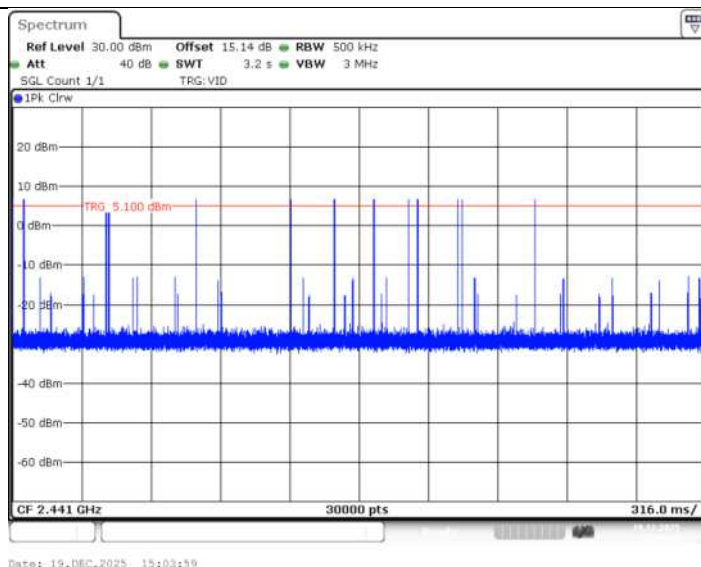


Date: 19.DEC.2025 15:25:12

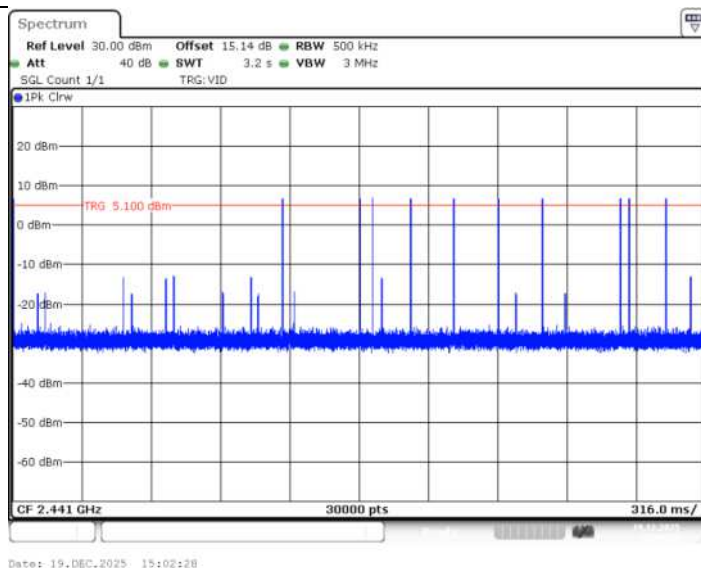
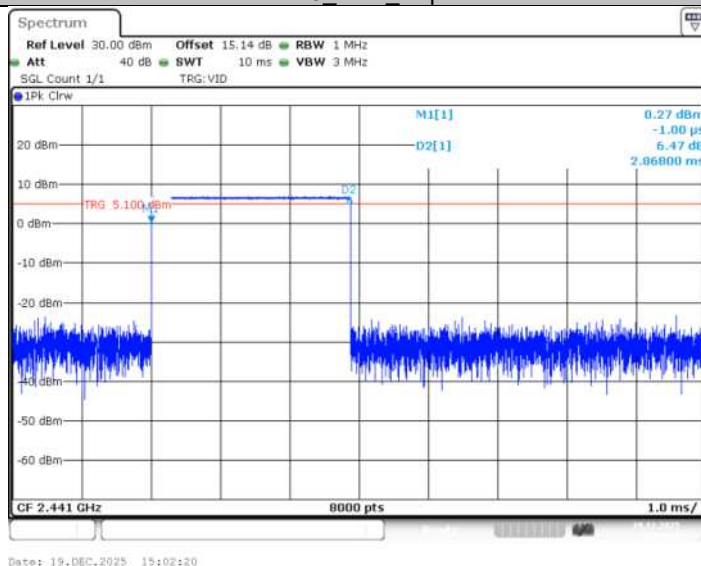
## Appendix B.5: Test Results of Time of Occupancy

| TestMode | Antenna | Freq(MHz) | BurstWidth<br>[ms] | TotalHops<br>[Num] | Result[s] | Limit[s] | Verdict |
|----------|---------|-----------|--------------------|--------------------|-----------|----------|---------|
| DH1      | Ant1    | Hop       | 0.379              | 320                | 0.121     | ≤0.4     | PASS    |
| DH3      | Ant1    | Hop       | 1.628              | 130                | 0.212     | ≤0.4     | PASS    |
| DH5      | Ant1    | Hop       | 2.868              | 110                | 0.315     | ≤0.4     | PASS    |
| 2DH1     | Ant1    | Hop       | 0.385              | 320                | 0.123     | ≤0.4     | PASS    |
| 2DH3     | Ant1    | Hop       | 1.630              | 180                | 0.293     | ≤0.4     | PASS    |
| 2DH5     | Ant1    | Hop       | 2.872              | 110                | 0.316     | ≤0.4     | PASS    |
| 3DH1     | Ant1    | Hop       | 0.385              | 320                | 0.123     | ≤0.4     | PASS    |
| 3DH3     | Ant1    | Hop       | 1.629              | 120                | 0.195     | ≤0.4     | PASS    |
| 3DH5     | Ant1    | Hop       | 2.872              | 120                | 0.345     | ≤0.4     | PASS    |

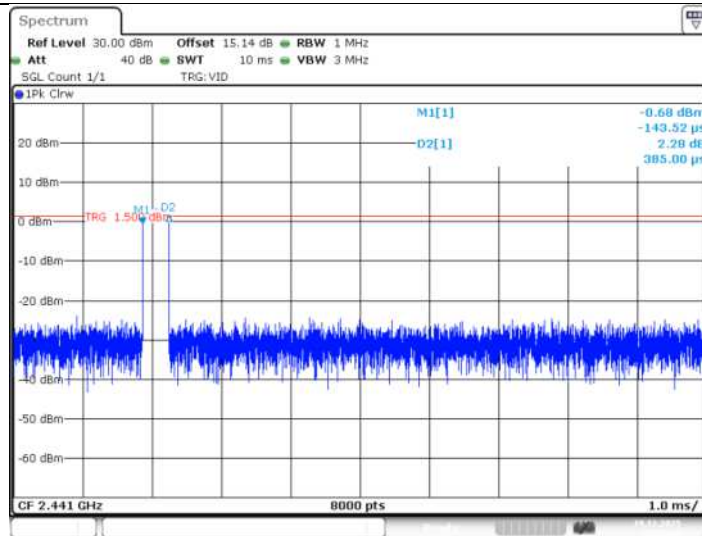




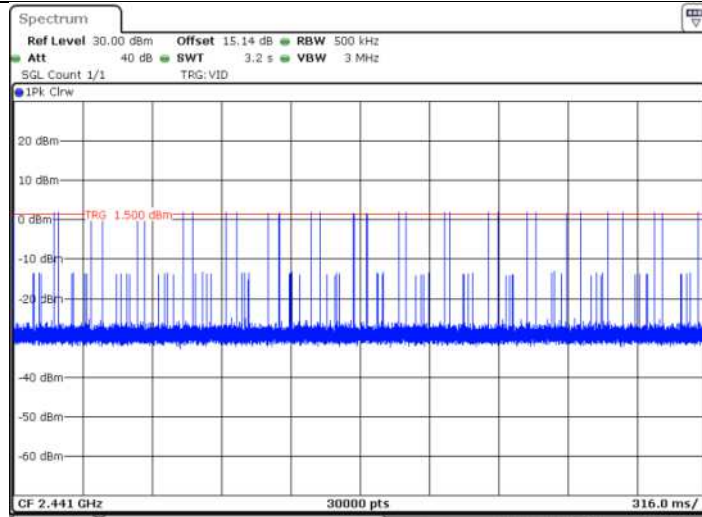
DH5\_Ant1\_Hop



2DH1\_Ant1\_Hop

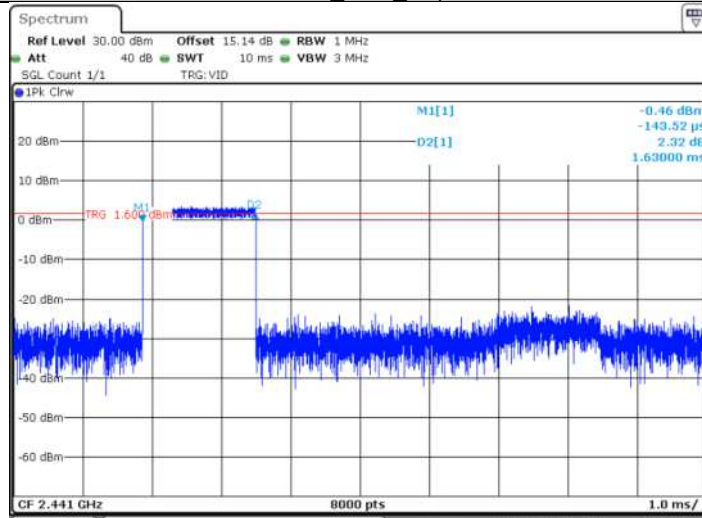


Date: 19.DEC.2025 15:13:45

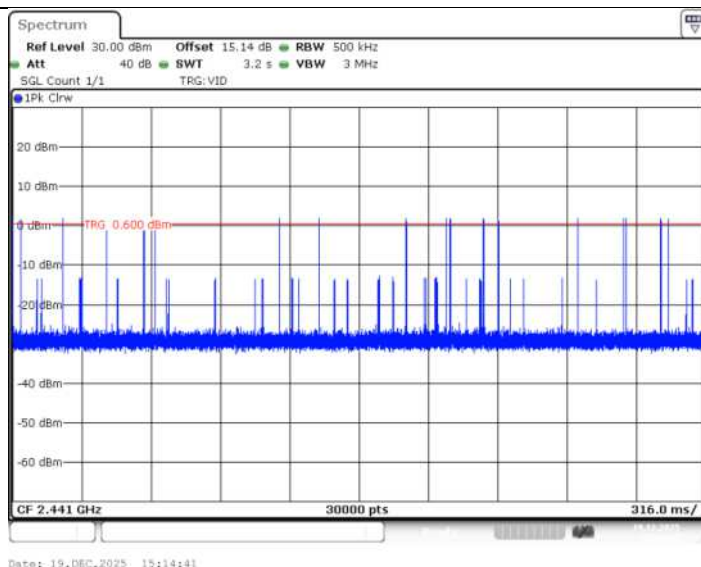


Date: 19.DEC.2025 15:13:52

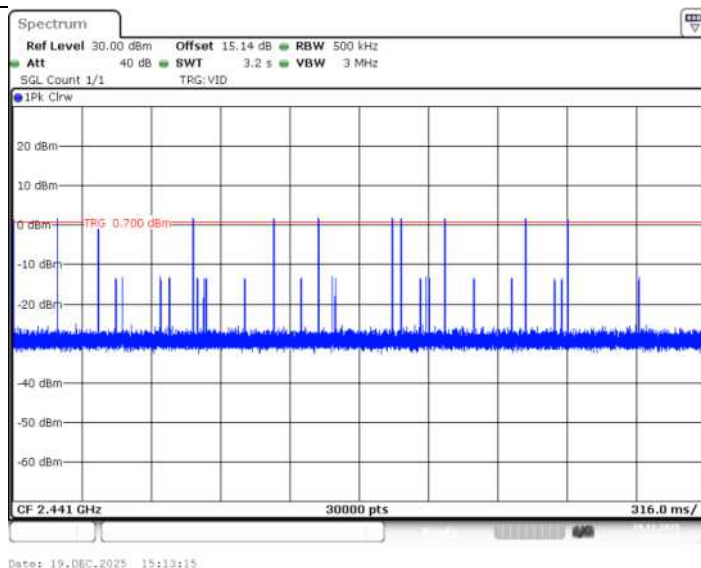
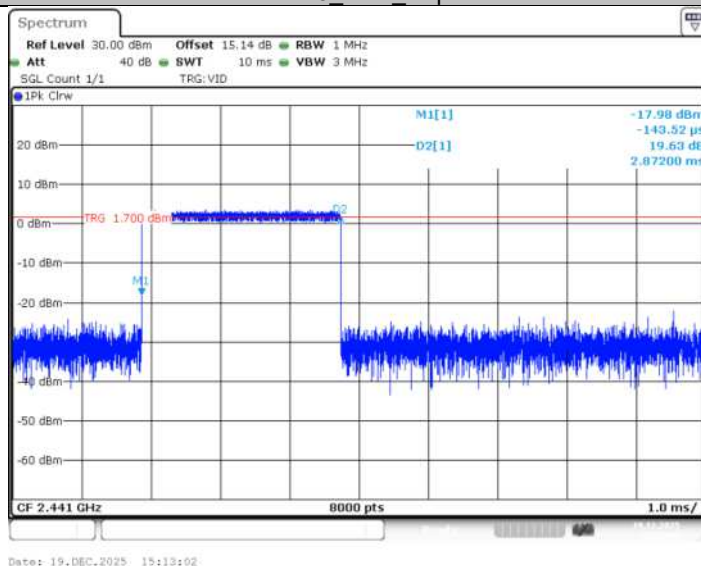
2DH3\_Ant1\_Hop



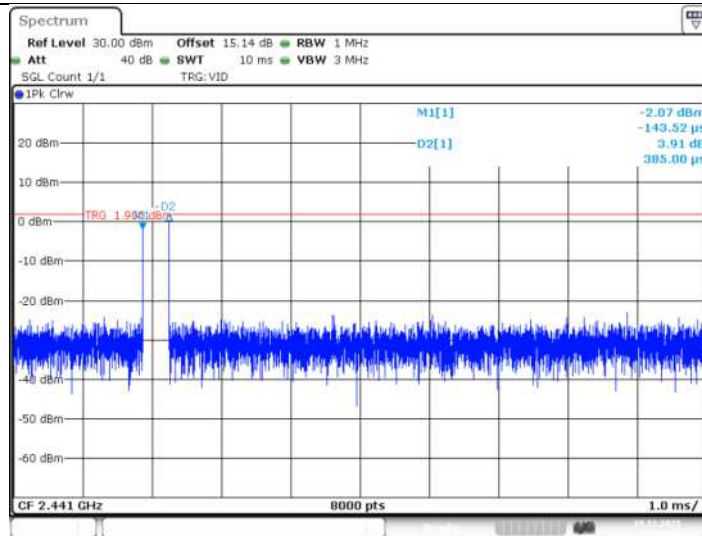
Date: 19.DEC.2025 15:14:29



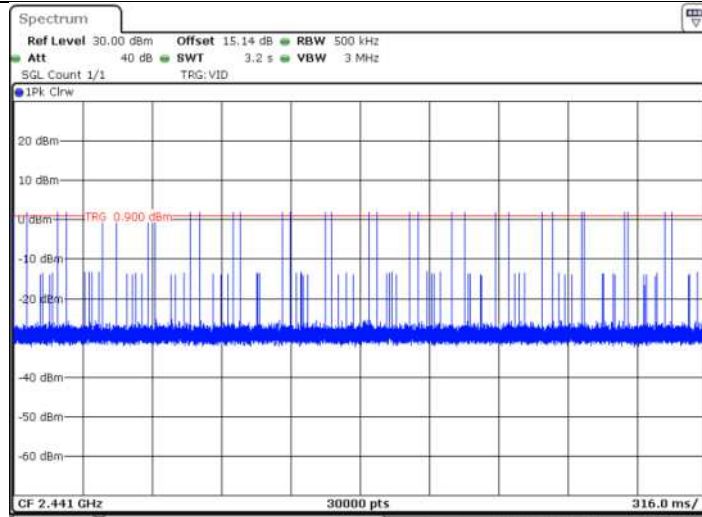
2DH5\_Ant1\_Hop



3DH1\_Ant1\_Hop

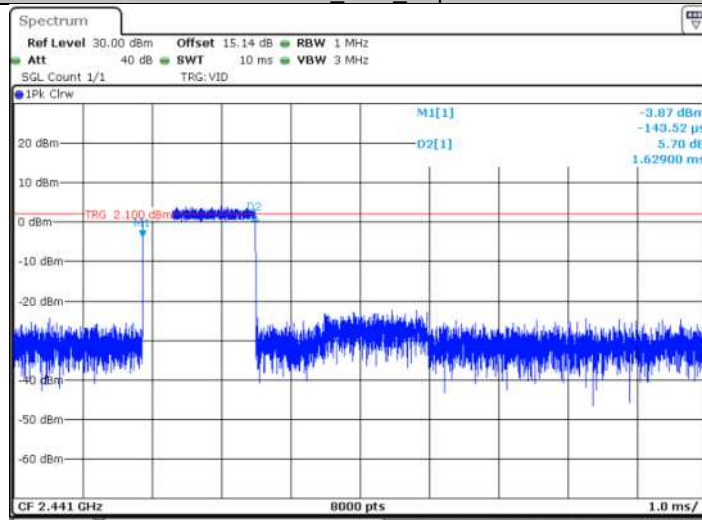


Date: 19.DEC.2025 15:26:24

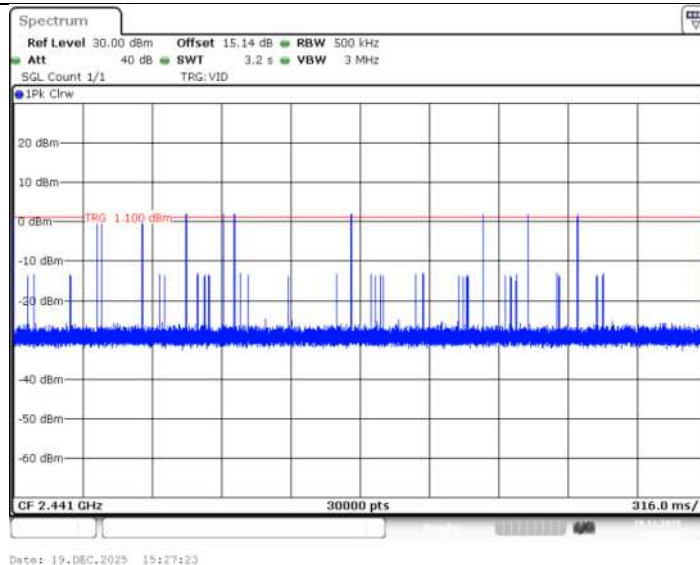


Date: 19.DEC.2025 15:26:37

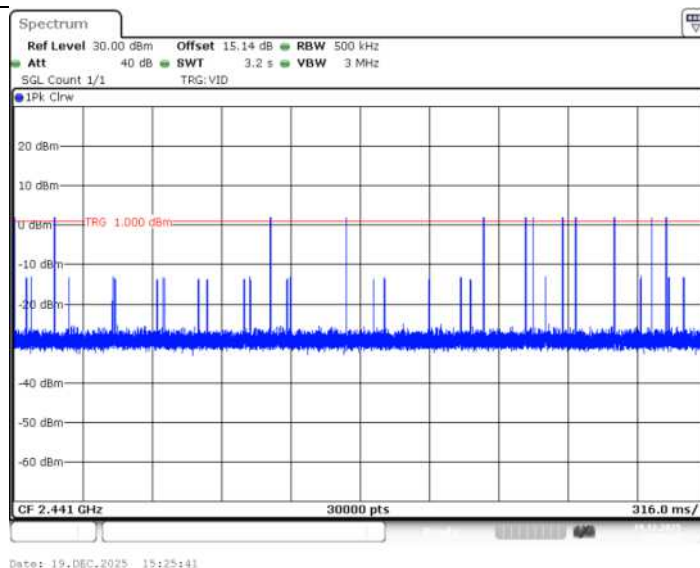
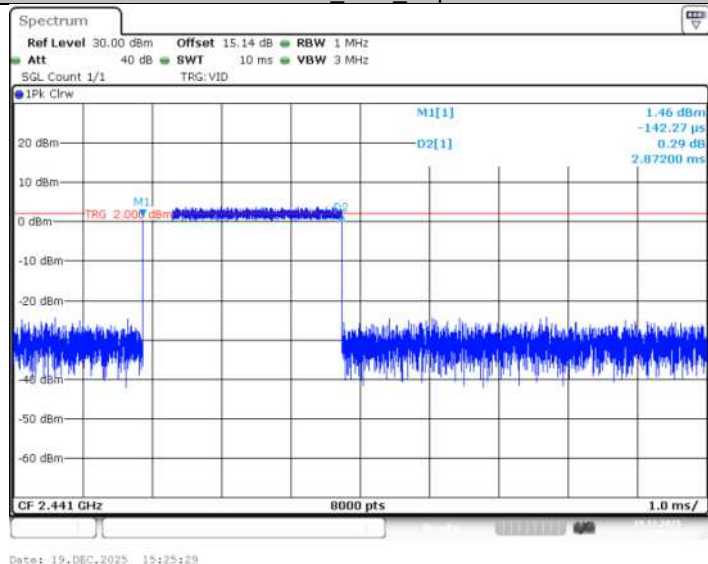
### 3DH3\_Ant1\_Hop



Date: 19.DEC.2025 15:27:10



3DH5 Ant1\_Hop



## Appendix B.6: Test Results of Conducted Spurious Emissions Measured in 100 kHz Bandwidth

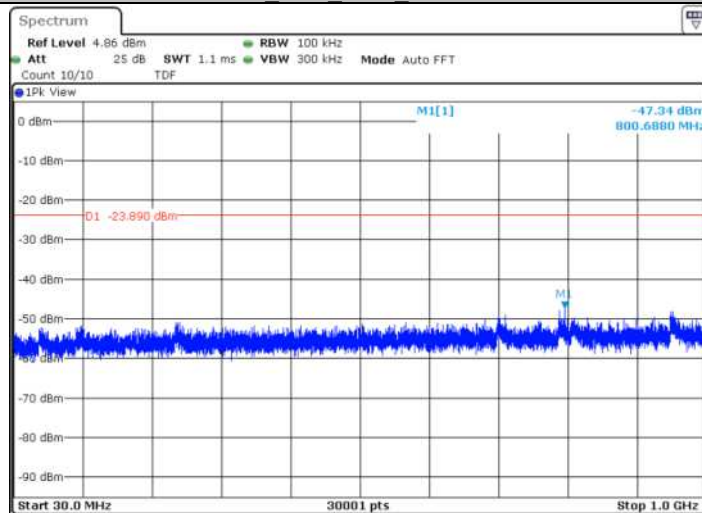
| TestMode | Antenna | Freq(MHz) | FreqRange [MHz] | RefLevel [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|----------|---------|-----------|-----------------|----------------|--------------|-------------|---------|
| DH5      | Ant1    | 2402      | Reference       | 6.11           | 6.11         | ---         | PASS    |
|          |         |           | 30~1000         | 6.11           | -47.34       | ≤-23.89     | PASS    |
|          |         |           | 1000~26500      | 6.11           | -39.84       | ≤-23.89     | PASS    |
|          |         | 2441      | Reference       | 6.38           | 6.38         | ---         | PASS    |
|          |         |           | 30~1000         | 6.38           | -46.62       | ≤-23.62     | PASS    |
|          |         |           | 1000~26500      | 6.38           | -40.12       | ≤-23.62     | PASS    |
|          |         | 2480      | Reference       | 5.53           | 5.53         | ---         | PASS    |
|          |         |           | 30~1000         | 5.53           | -48.26       | ≤-24.47     | PASS    |
|          |         |           | 1000~26500      | 5.53           | -40.27       | ≤-24.47     | PASS    |
| 2DH5     | Ant1    | 2402      | Reference       | 0.47           | 0.47         | ---         | PASS    |
|          |         |           | 30~1000         | 0.47           | -47.89       | ≤-29.53     | PASS    |
|          |         |           | 1000~26500      | 0.47           | -40.33       | ≤-29.53     | PASS    |
|          |         | 2441      | Reference       | 0.90           | 0.90         | ---         | PASS    |
|          |         |           | 30~1000         | 0.90           | -47.75       | ≤-29.1      | PASS    |
|          |         |           | 1000~26500      | 0.90           | -40.71       | ≤-29.1      | PASS    |
|          |         | 2480      | Reference       | 0.51           | 0.51         | ---         | PASS    |
|          |         |           | 30~1000         | 0.51           | -48.32       | ≤-29.49     | PASS    |
|          |         |           | 1000~26500      | 0.51           | -40.42       | ≤-29.49     | PASS    |
| 3DH5     | Ant1    | 2402      | Reference       | 0.60           | 0.60         | ---         | PASS    |
|          |         |           | 30~1000         | 0.60           | -47.79       | ≤-29.4      | PASS    |
|          |         |           | 1000~26500      | 0.60           | -40.17       | ≤-29.4      | PASS    |
|          |         | 2441      | Reference       | 1.12           | 1.12         | ---         | PASS    |
|          |         |           | 30~1000         | 1.12           | -47.58       | ≤-28.88     | PASS    |
|          |         |           | 1000~26500      | 1.12           | -40.81       | ≤-28.88     | PASS    |
|          |         | 2480      | Reference       | 0.68           | 0.68         | ---         | PASS    |
|          |         |           | 30~1000         | 0.68           | -49.05       | ≤-29.32     | PASS    |
|          |         |           | 1000~26500      | 0.68           | -40.15       | ≤-29.32     | PASS    |

DH5\_Ant1\_2402\_0~Reference



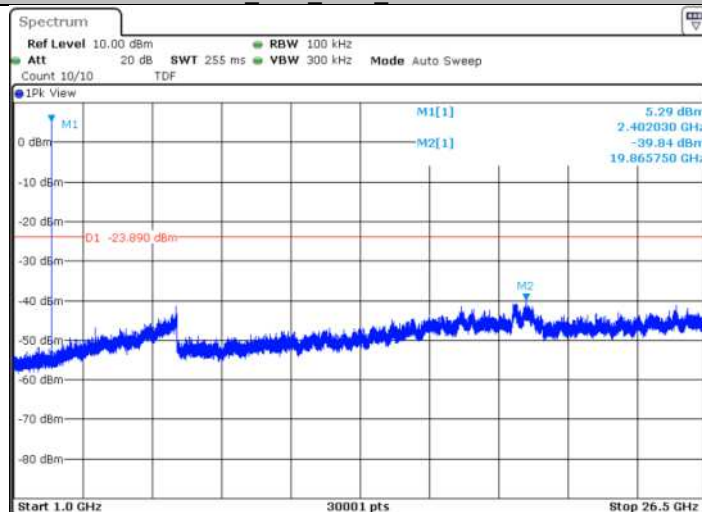
Date: 19.DEC.2025 14:32:36

DH5\_Ant1\_2402\_30~1000



Date: 19.DEC.2025 14:32:49

DH5\_Ant1\_2402\_1000~26500



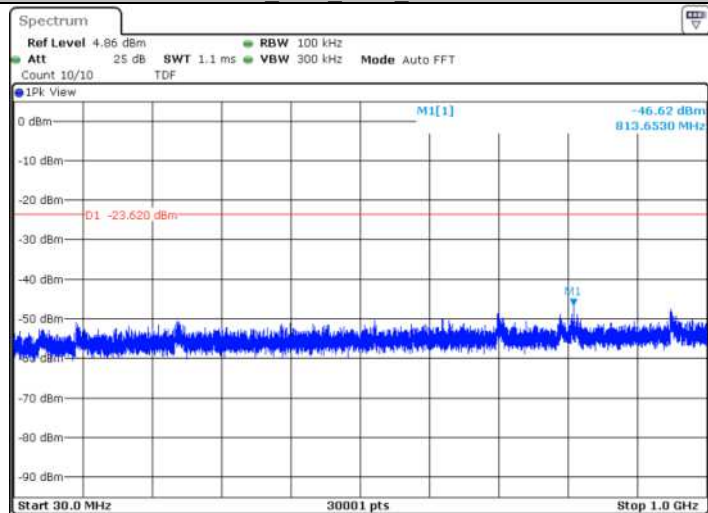
Date: 19.DEC.2025 14:33:27

DH5\_Ant1\_2441\_0~Reference



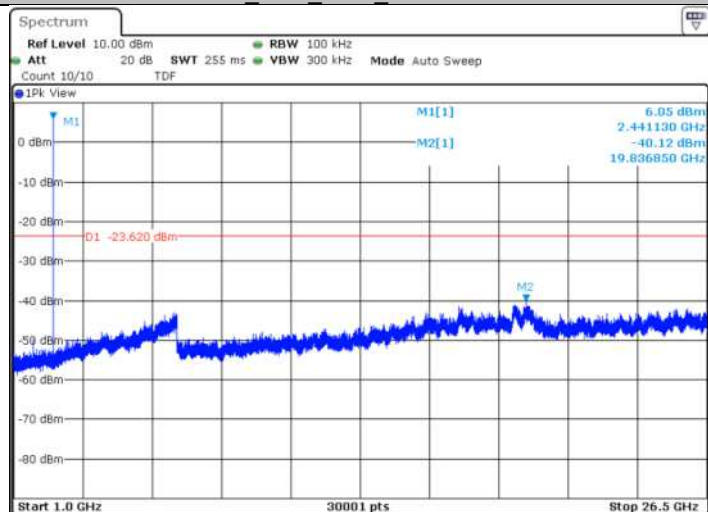
Date: 19.DEC.2025 14:36:08

DH5\_Ant1\_2441\_30~1000



Date: 19.DEC.2025 14:36:21

DH5\_Ant1\_2441\_1000~26500



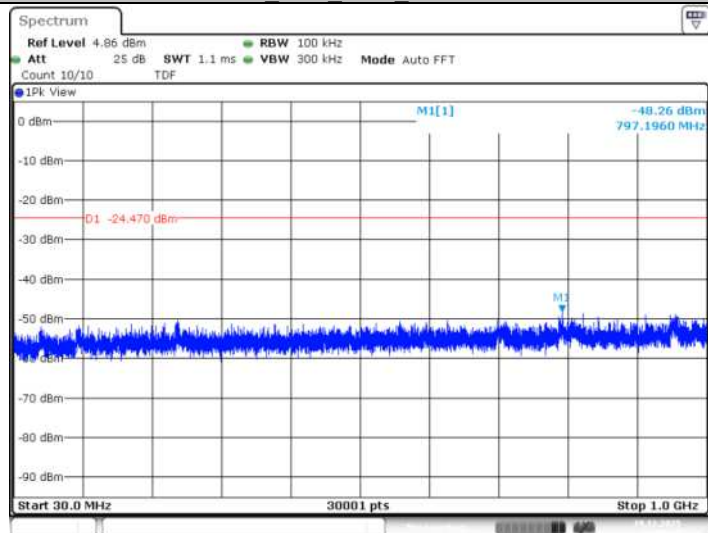
Date: 19.DEC.2025 14:36:59

DH5\_Ant1\_2480\_0~Reference



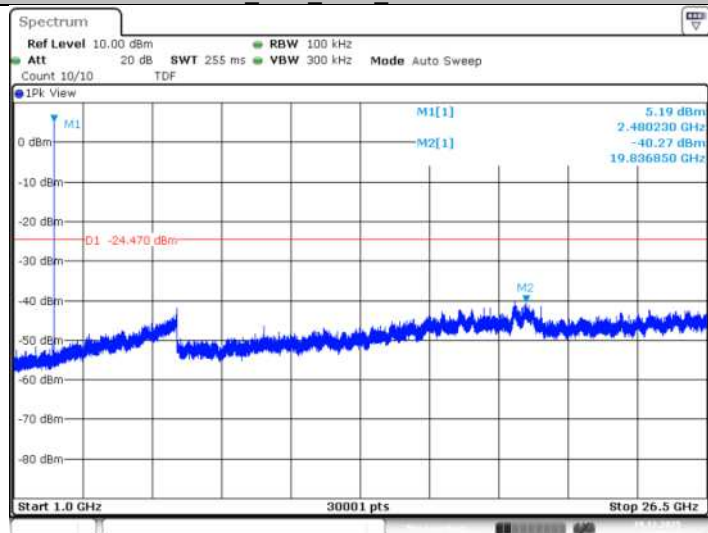
Date: 19.DEC.2025 14:37:54

DH5\_Ant1\_2480\_30~1000



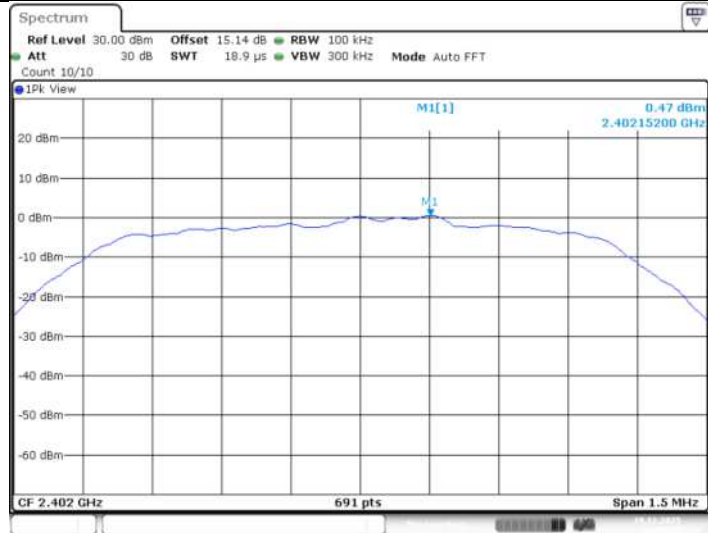
Date: 19.DEC.2025 14:38:07

DH5\_Ant1\_2480\_1000~26500



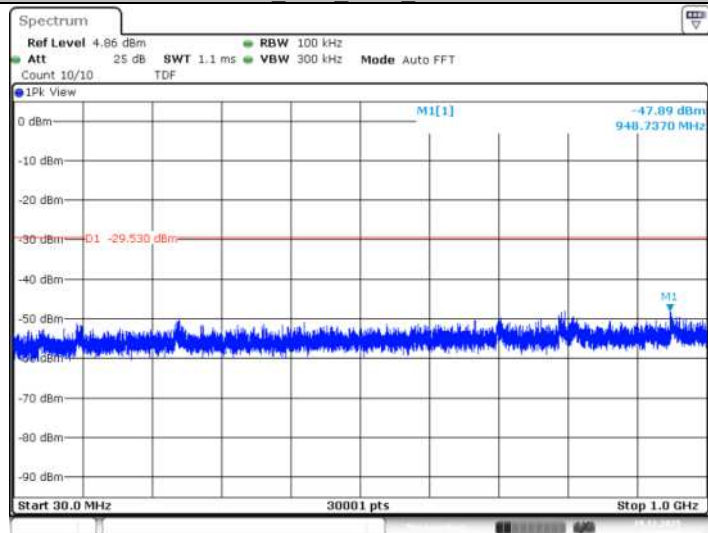
Date: 19.DEC.2025 14:38:45

2DH5\_Ant1\_2402\_0~Reference



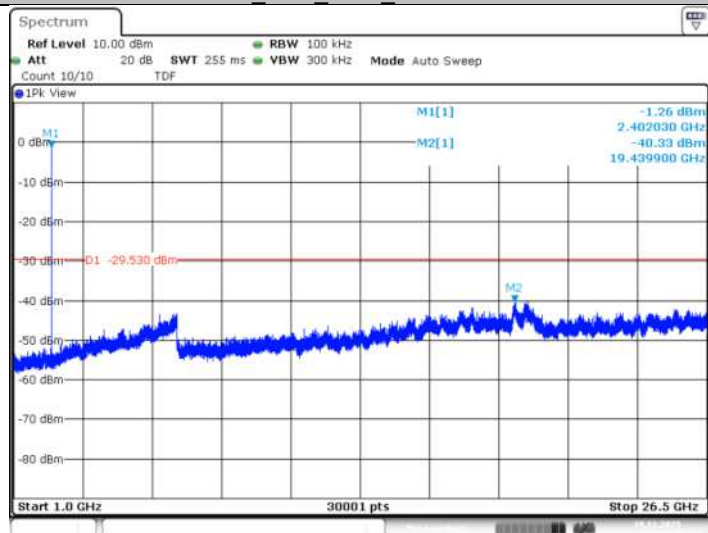
Date: 19.DEC.2025 14:39:57

2DH5\_Ant1\_2402\_30~1000



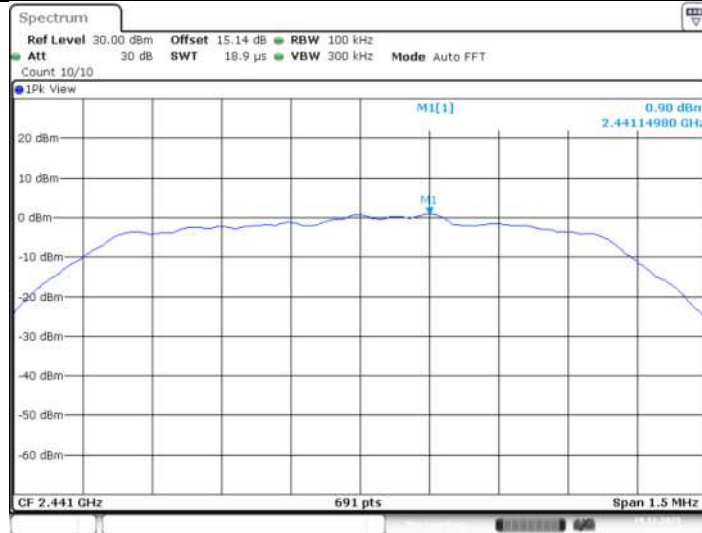
Date: 19.DEC.2025 14:40:09

2DH5\_Ant1\_2402\_1000~26500



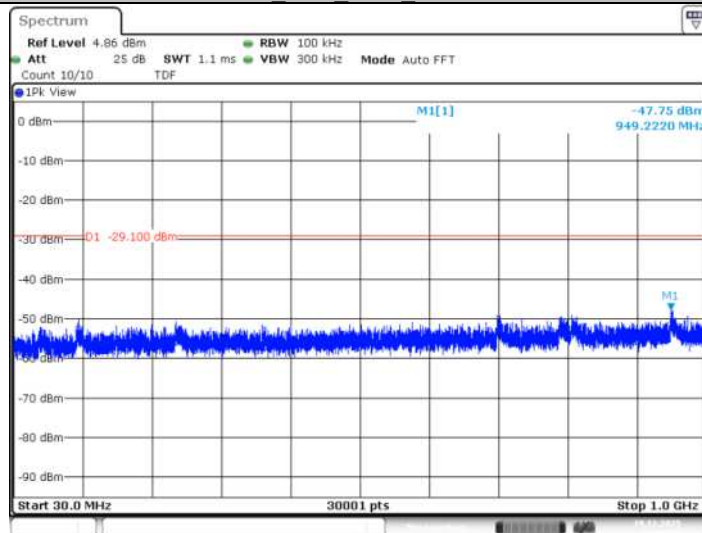
Date: 19.DEC.2025 14:40:48

2DH5\_Ant1\_2441\_0~Reference



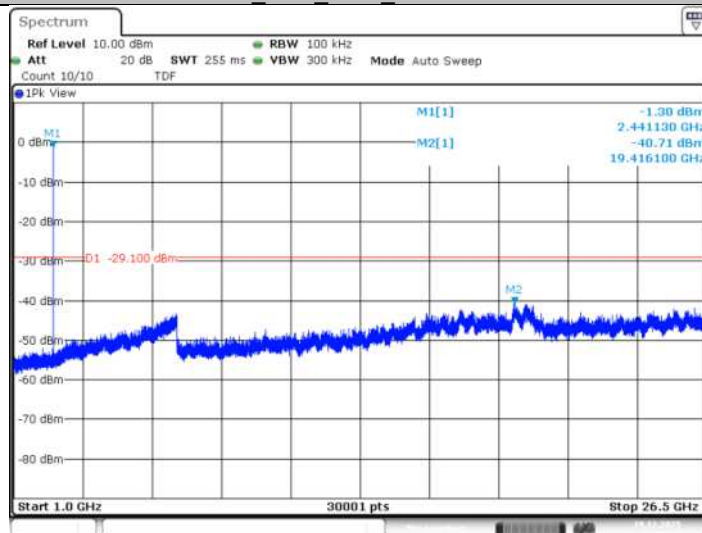
Date: 19.DEC.2025 14:41:40

2DH5\_Ant1\_2441\_30~1000

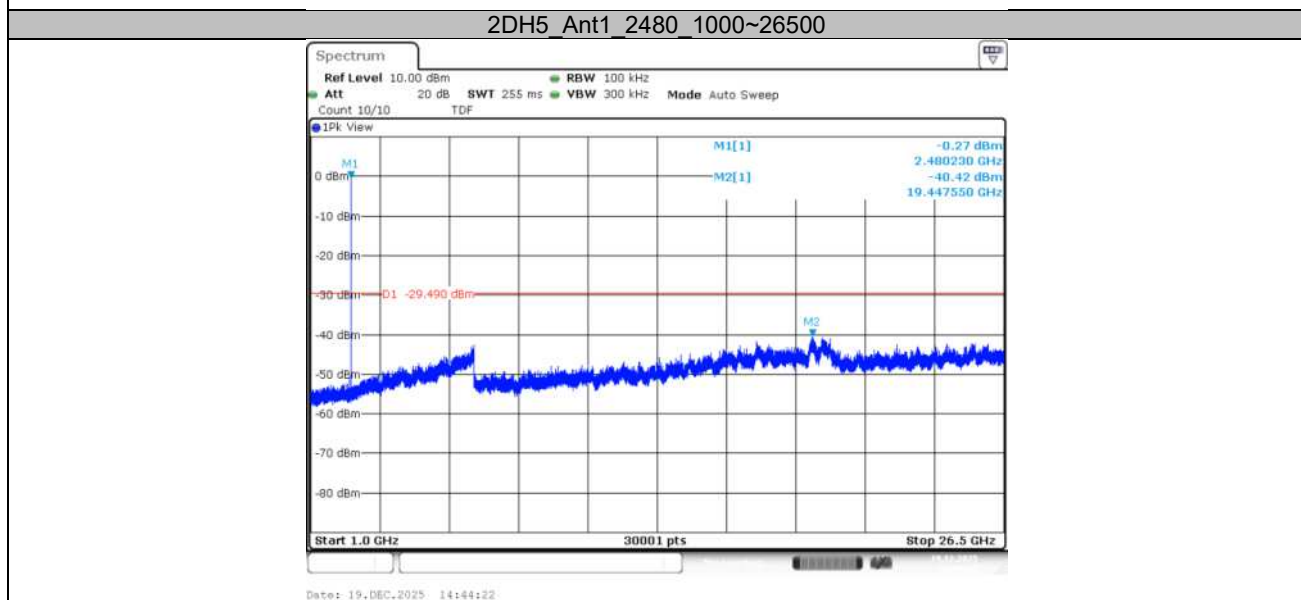
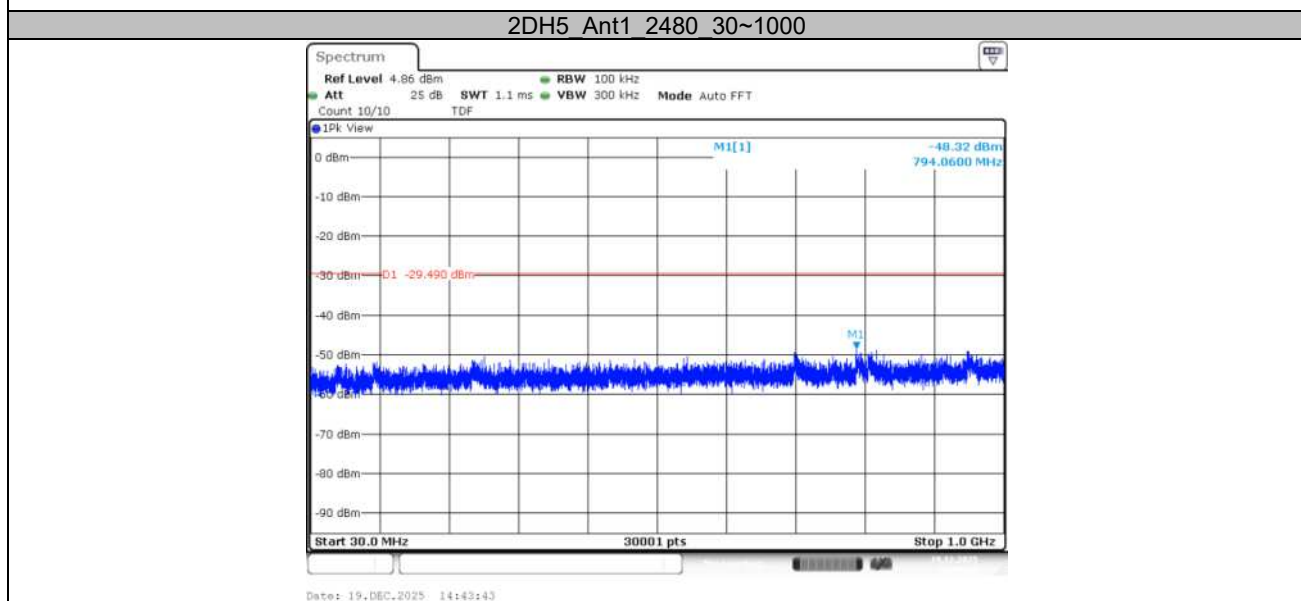
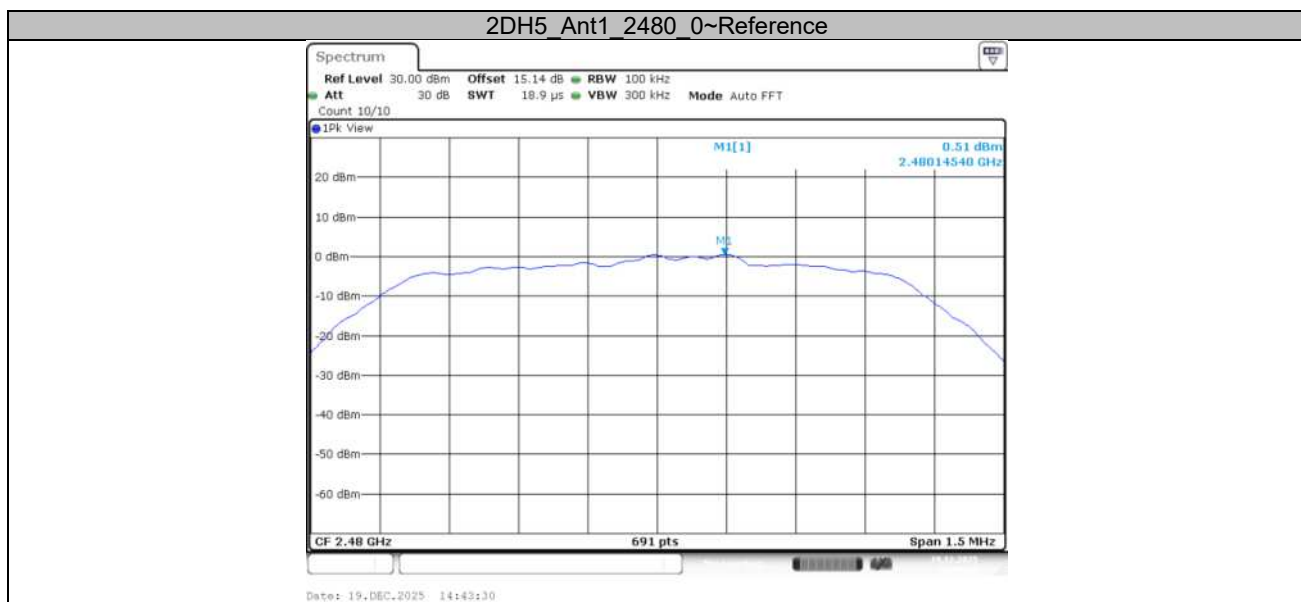


Date: 19.DEC.2025 14:41:52

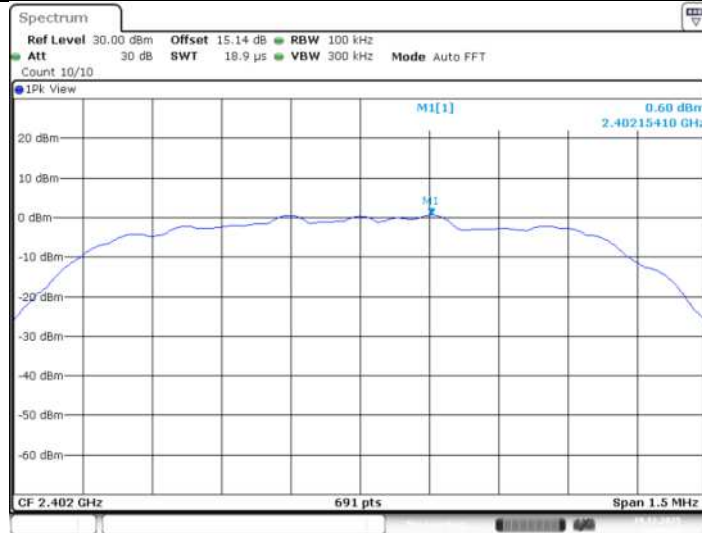
2DH5\_Ant1\_2441\_1000~26500



Date: 19.DEC.2025 14:42:31

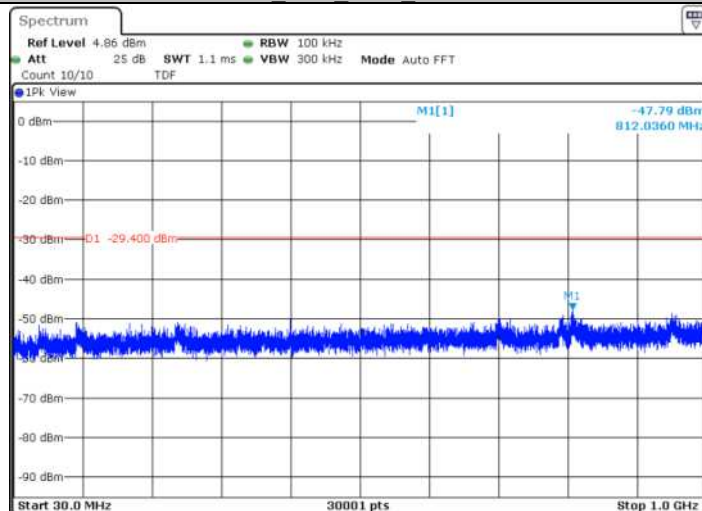


3DH5\_Ant1\_2402\_0~Reference



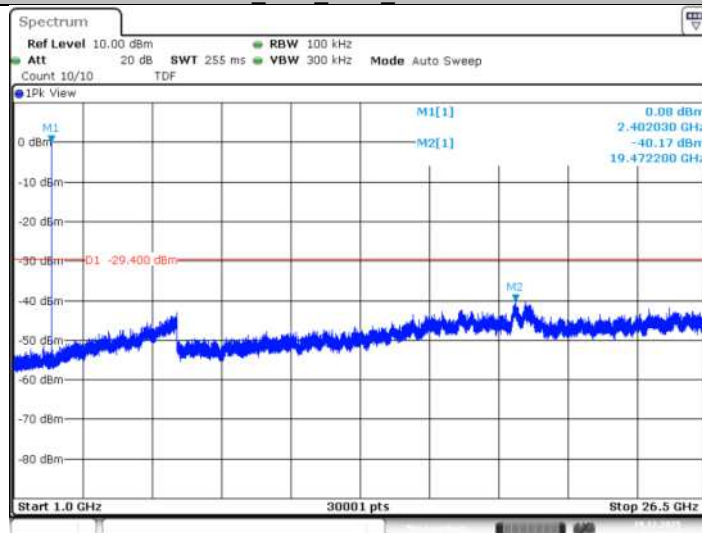
Date: 19.DEC.2025 14:45:23

3DH5\_Ant1\_2402\_30~1000



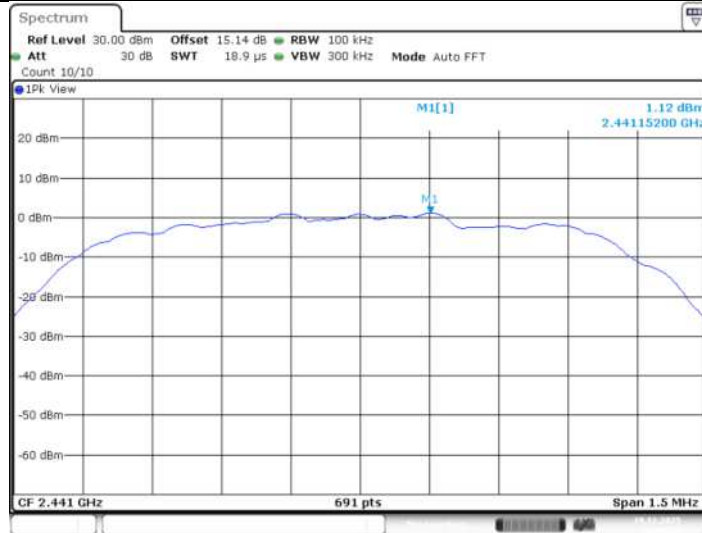
Date: 19.DEC.2025 14:45:34

3DH5\_Ant1\_2402\_1000~26500

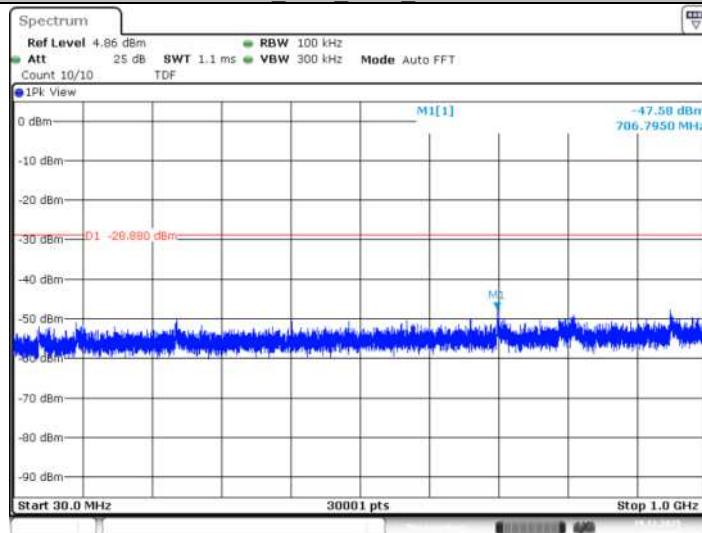


Date: 19.DEC.2025 14:46:12

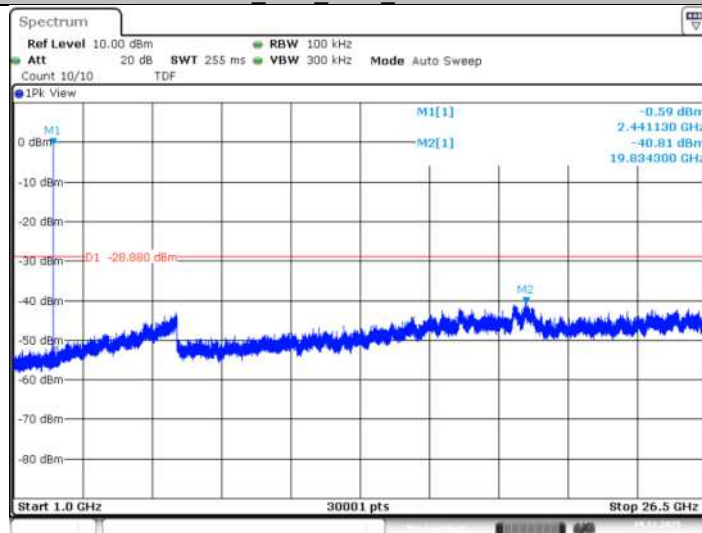
3DH5\_Ant1\_2441\_0~Reference



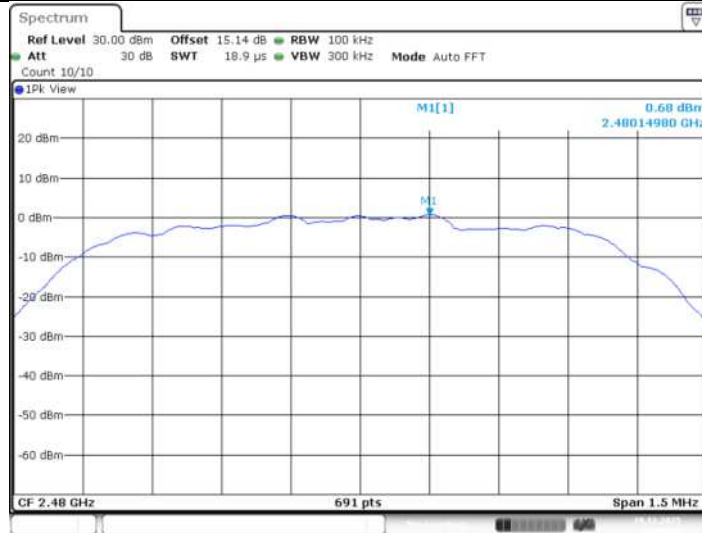
3DH5\_Ant1\_2441\_30~1000



3DH5\_Ant1\_2441\_1000~26500

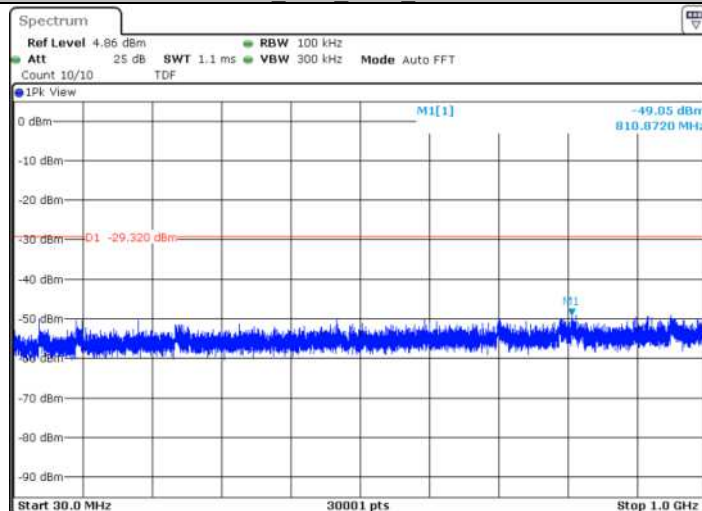


3DH5\_Ant1\_2480\_0~Reference



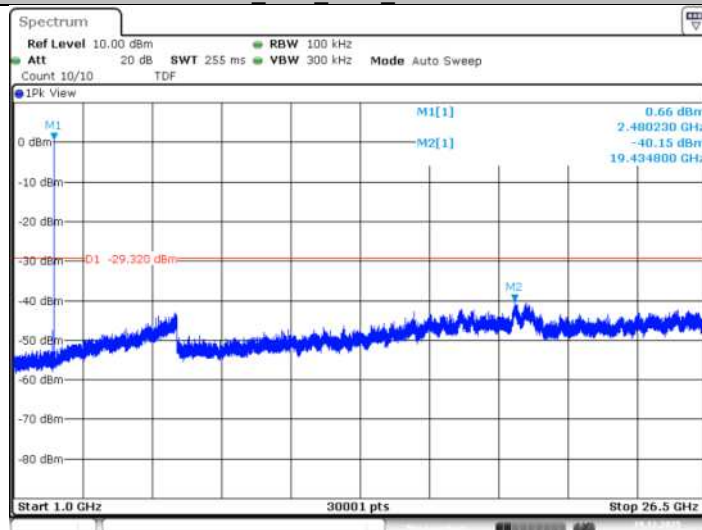
Date: 19.DEC.2025 14:48:48

3DH5\_Ant1\_2480\_30~1000



Date: 19.DEC.2025 14:49:00

3DH5\_Ant1\_2480\_1000~26500

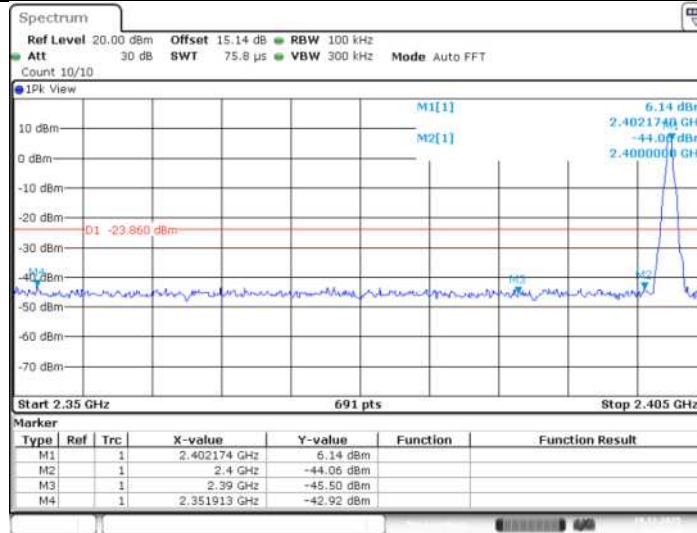


Date: 19.DEC.2025 14:49:39

**Band edge:**

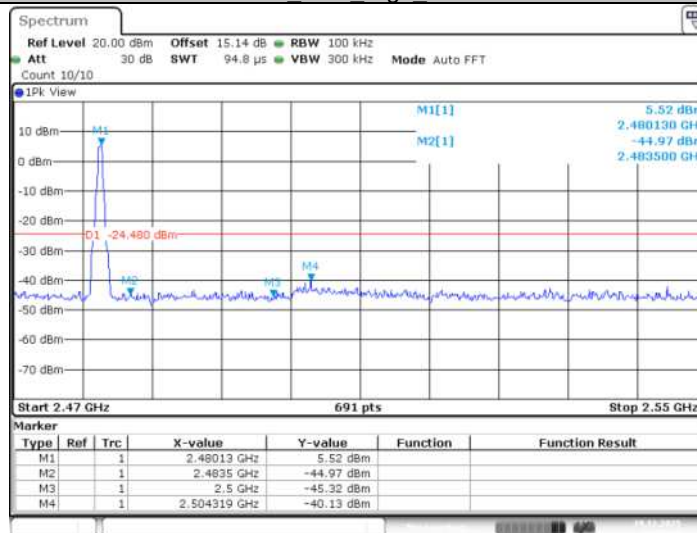
| TestMode | Antenna | ChName | Freq(MHz) | RefLevel [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|----------|---------|--------|-----------|----------------|--------------|-------------|---------|
| DH5      | Ant1    | Low    | 2402      | 6.14           | -42.92       | ≤-23.86     | PASS    |
|          |         | High   | 2480      | 5.52           | -40.13       | ≤-24.48     | PASS    |
|          |         | Low    | Hop_2402  | 5.69           | -42.27       | ≤-24.31     | PASS    |
|          |         | High   | Hop_2480  | 5.85           | -41.21       | ≤-24.15     | PASS    |
| 2DH5     | Ant1    | Low    | 2402      | -0.31          | -43.05       | ≤-30.31     | PASS    |
|          |         | High   | 2480      | 0.49           | -41.69       | ≤-29.51     | PASS    |
|          |         | Low    | Hop_2402  | -2.73          | -42.47       | ≤-32.73     | PASS    |
|          |         | High   | Hop_2480  | 0.01           | -41.39       | ≤-29.99     | PASS    |
| 3DH5     | Ant1    | Low    | 2402      | -0.16          | -42.3        | ≤-30.16     | PASS    |
|          |         | High   | 2480      | 0.63           | -41.8        | ≤-29.37     | PASS    |
|          |         | Low    | Hop_2402  | -2.50          | -42.72       | ≤-32.5      | PASS    |
|          |         | High   | Hop_2480  | -0.85          | -41.69       | ≤-30.85     | PASS    |

### DH5\_Ant1\_Low\_2402



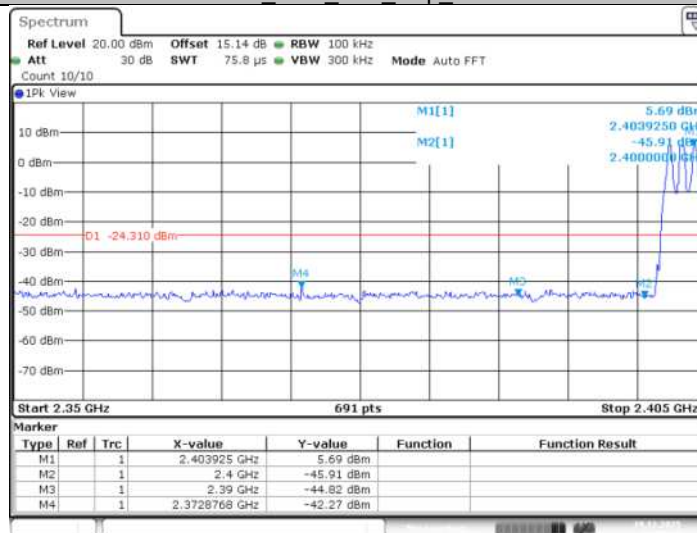
Date: 19.DEC.2025 14:32:26

### DH5\_Ant1\_High\_2480



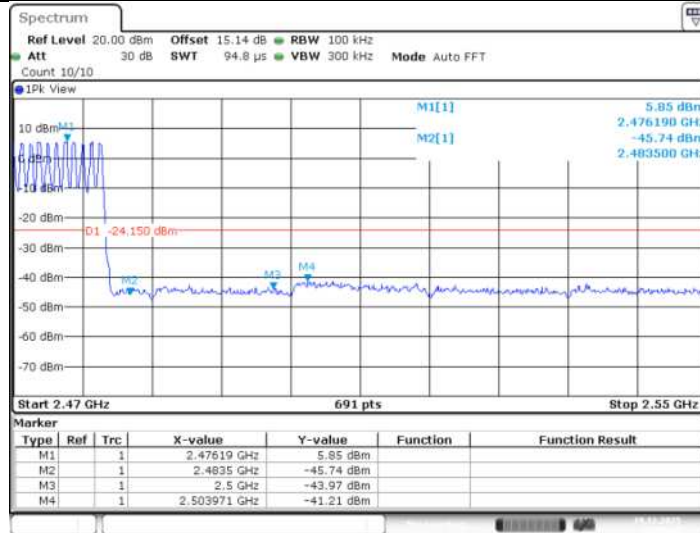
Date: 19.DEC.2025 14:37:44

### DH5\_Ant1\_Low\_Hop\_2402



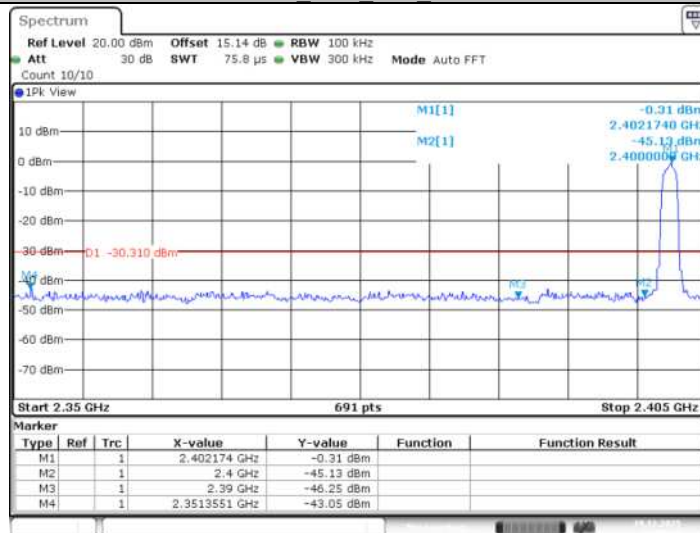
Date: 19.DEC.2025 14:51:00

### DH5 Ant1\_High\_Hop\_2480



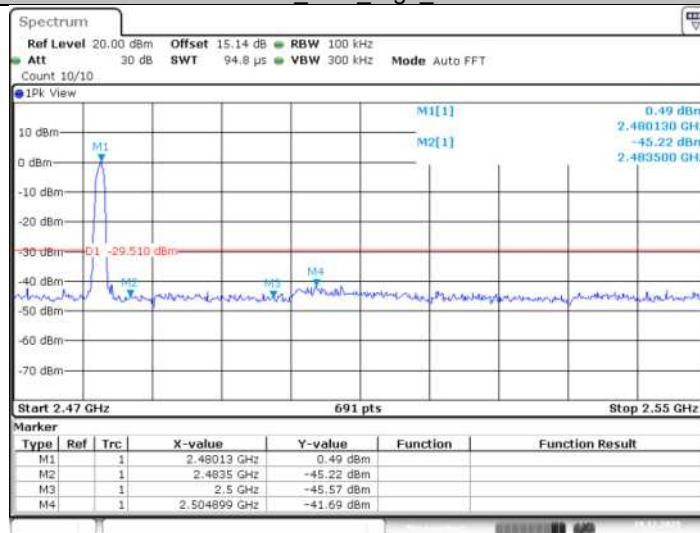
Date: 19.DEC.2025 15:05:07

### 2DH5 Ant1 Low 2402



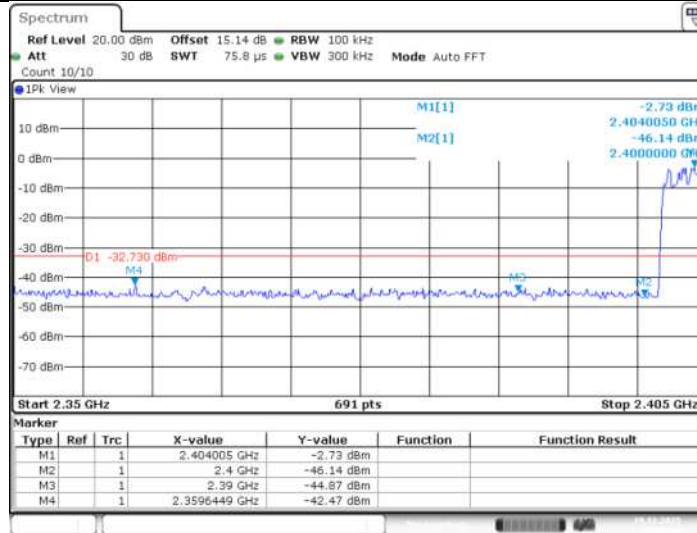
Date: 19.DEC.2025 14:39:46

### 2DH5 Ant1\_High\_2480



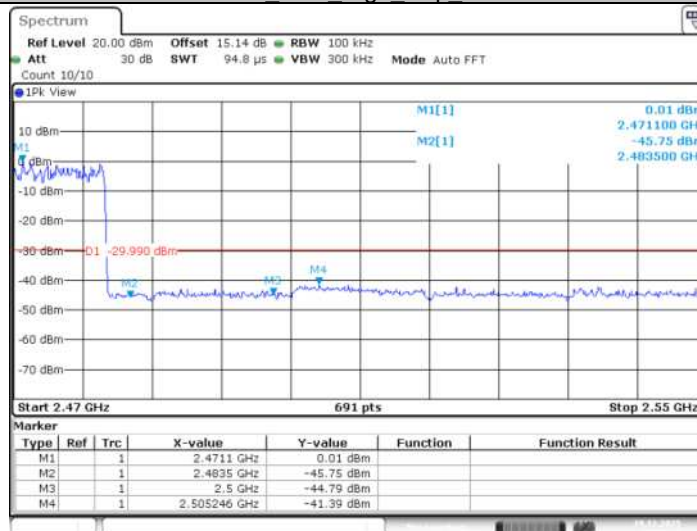
Date: 19.DEC.2025 14:43:20

### 2DH5 Ant1 Low Hop 2402



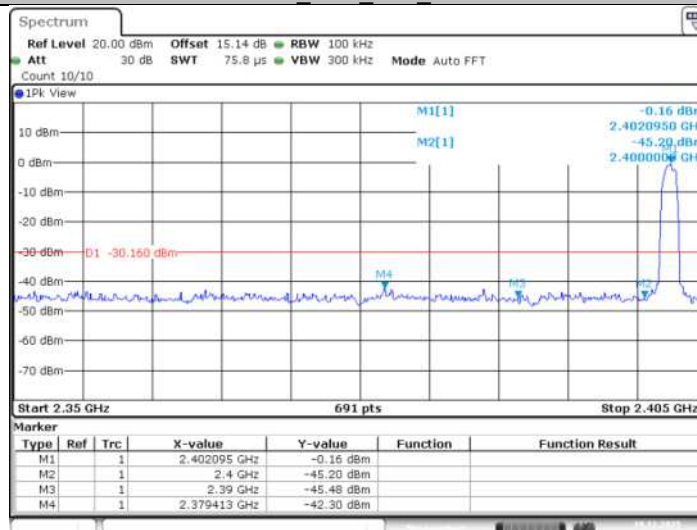
Date: 19.DEC.2025 15:05:36

### 2DH5 Ant1 High Hop 2480



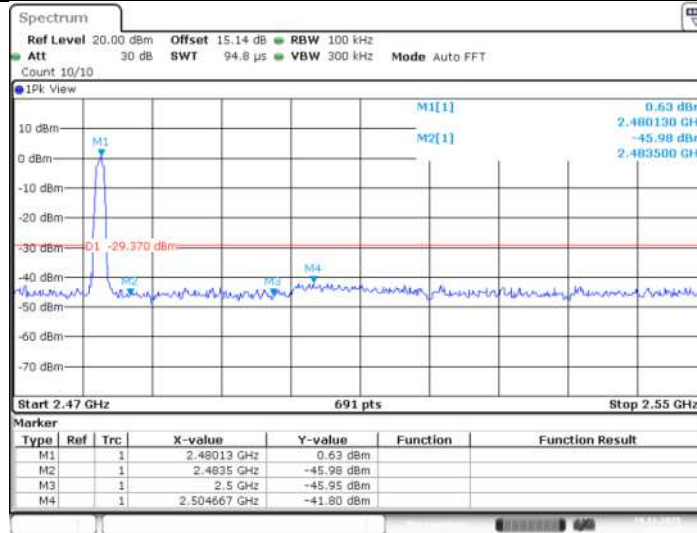
Date: 19.DEC.2025 15:15:44

### 3DH5 Ant1 Low 2402



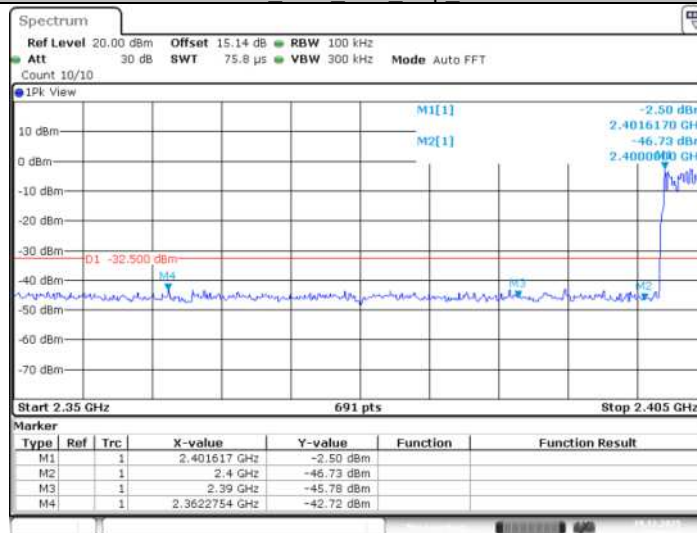
Date: 19.DEC.2025 14:45:11

### 3DH5 Ant1 High 2480



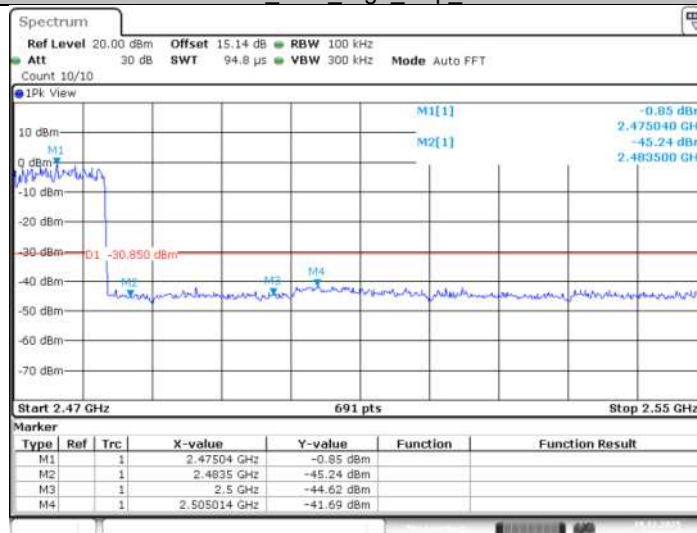
Date: 19.DEC.2025 14:48:37

### 3DH5 Ant1 Low Hop 2402



Date: 19.DEC.2025 15:16:25

### 3DH5 Ant1 High Hop 2480



Date: 19.DEC.2025 15:28:00

## Appendix B.7: Test Results of Radiated Spurious Emissions

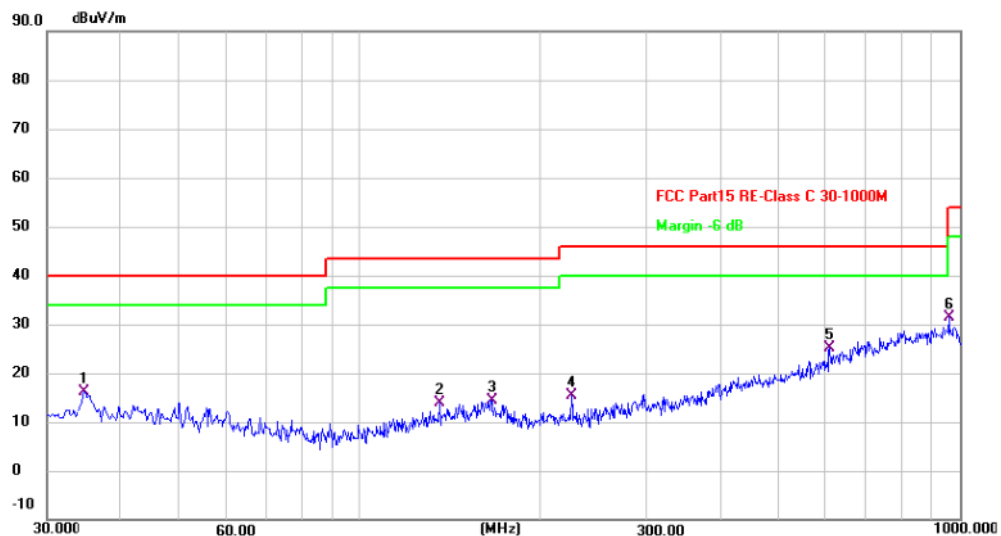
Note 1: Testing was carried out within frequency range 9kHz to the tenth harmonics. The measurement results below 30MHz and 18GHz - 26.5GHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 18GHz were reported. The highest emissions are the fundamental.

Note 2: This testing was carried out on different modulations, but only the worst case was presented in this report.

30MHz - 1GHz

## EUT Information

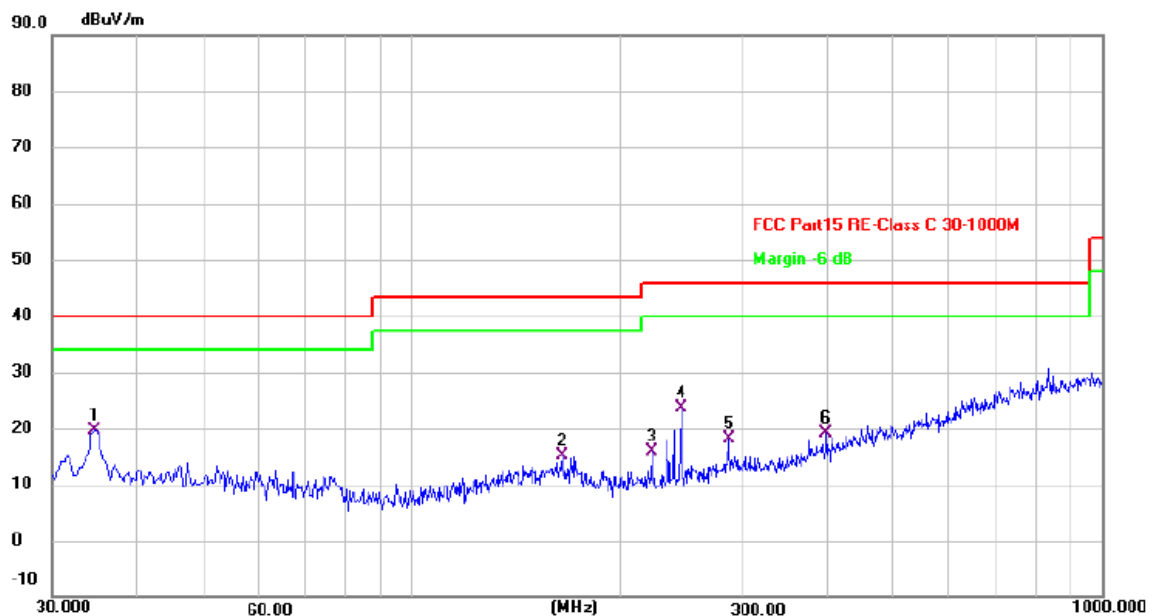
|                     |                                                                  |
|---------------------|------------------------------------------------------------------|
| EUT Name:           | Camera                                                           |
| Model:              | TPSB1                                                            |
| Test Mode:          | BR_DH5_ Low channel                                              |
| Order No/Sample No: | C35713EVT17010                                                   |
| Test Voltage::      | 3.86Vdc, 2150mAh supplied by a rechargeable Lithium Ion Battery, |
| Remark:             | Temp 22 Humi:52%                                                 |
| Test Standard:      | FCC 15.247                                                       |
| Polarization        | Horizontal                                                       |
| Tested By:          | Lucy Lan                                                         |
| Reviewed By:        | Terry Yin                                                        |



| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| 1   | 34.8500         | 32.01          | -15.87        | 16.14          | 40.00          | -23.86      | QP       |
| 2   | 136.0533        | 30.88          | -17.06        | 13.82          | 43.50          | -29.68      | QP       |
| 3   | 166.1233        | 30.99          | -16.54        | 14.45          | 43.50          | -29.05      | QP       |
| 4   | 225.9400        | 33.86          | -18.42        | 15.44          | 46.00          | -30.56      | QP       |
| 5 * | 607.7967        | 32.71          | -7.69         | 25.02          | 46.00          | -20.98      | QP       |
| 6   | 961.2000        | 32.50          | -1.23         | 31.27          | 54.00          | -22.73      | QP       |

## EUT Information

|                     |                                                                  |
|---------------------|------------------------------------------------------------------|
| EUT Name:           | Camera                                                           |
| Model:              | TPSB1                                                            |
| Test Mode:          | BR_DH5_ Low channel                                              |
| Order No/Sample No: | C35713EVT17010                                                   |
| Test Voltage::      | 3.86Vdc, 2150mAh supplied by a rechargeable Lithium Ion Battery, |
| Remark:             | Temp 22 Humi:52%                                                 |
| Test Standard:      | FCC 15.247                                                       |
| Polarization        | Vertical                                                         |
| Tested By:          | Lucy Lan                                                         |
| Reviewed By:        | Terry Yin                                                        |

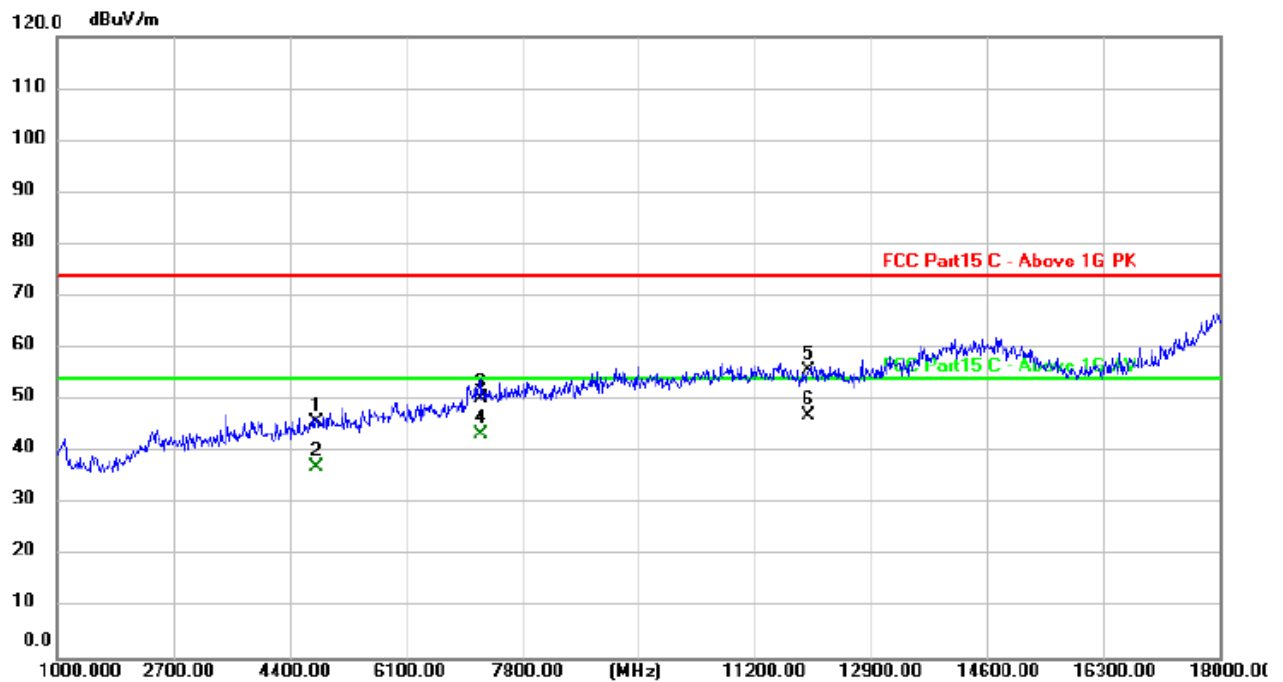


| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| 1 * | 34.5267         | 35.60          | -15.88        | 19.72          | 40.00          | -20.28      | QP       |
| 2   | 165.1533        | 31.53          | -16.46        | 15.07          | 43.50          | -28.43      | QP       |
| 3   | 222.7067        | 34.44          | -18.50        | 15.94          | 46.00          | -30.06      | QP       |
| 4   | 245.3400        | 41.29          | -17.72        | 23.57          | 46.00          | -22.43      | QP       |
| 5   | 287.0500        | 34.09          | -15.95        | 18.14          | 46.00          | -27.86      | QP       |
| 6   | 398.2767        | 31.71          | -12.70        | 19.01          | 46.00          | -26.99      | QP       |

Above 1GHz

## EUT Information

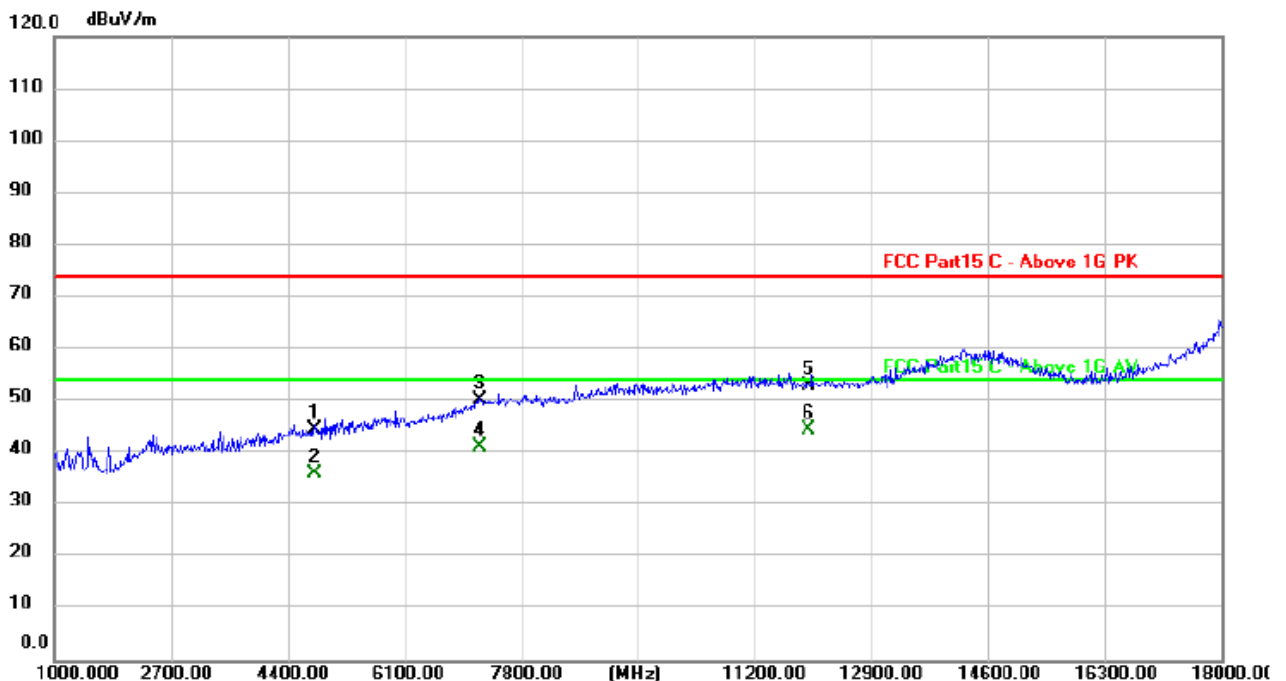
|                      |                                                                  |
|----------------------|------------------------------------------------------------------|
| EUT Name:            | Camera                                                           |
| Model:               | TPSB1                                                            |
| Test Mode:           | BR_DH5_Low channel                                               |
| Order No./Sample No: | C35713EVT17010                                                   |
| Test Voltage::       | 3.86Vdc, 2150mAh supplied by a rechargeable Lithium Ion Battery, |
| Remark:              | Temp 22 Humi:52%                                                 |
| Test Standard:       | FCC 15.247                                                       |
| Polarization         | Horizontal                                                       |
| Tested By:           | Lucy Lan                                                         |
| Reviewed By:         | Terry Yin                                                        |



| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| 1   | 4804.000        | 39.48          | 6.38          | 45.86          | 74.00          | -28.14      | peak     |
| 2   | 4804.000        | 30.77          | 6.38          | 37.15          | 54.00          | -16.85      | AVG      |
| 3   | 7206.000        | 36.43          | 13.79         | 50.22          | 74.00          | -23.78      | peak     |
| 4   | 7206.000        | 29.62          | 13.79         | 43.41          | 54.00          | -10.59      | AVG      |
| 5   | 12010.000       | 37.32          | 18.28         | 55.60          | 74.00          | -18.40      | peak     |
| 6 * | 12010.000       | 28.66          | 18.28         | 46.94          | 54.00          | -7.06       | AVG      |

## EUT Information

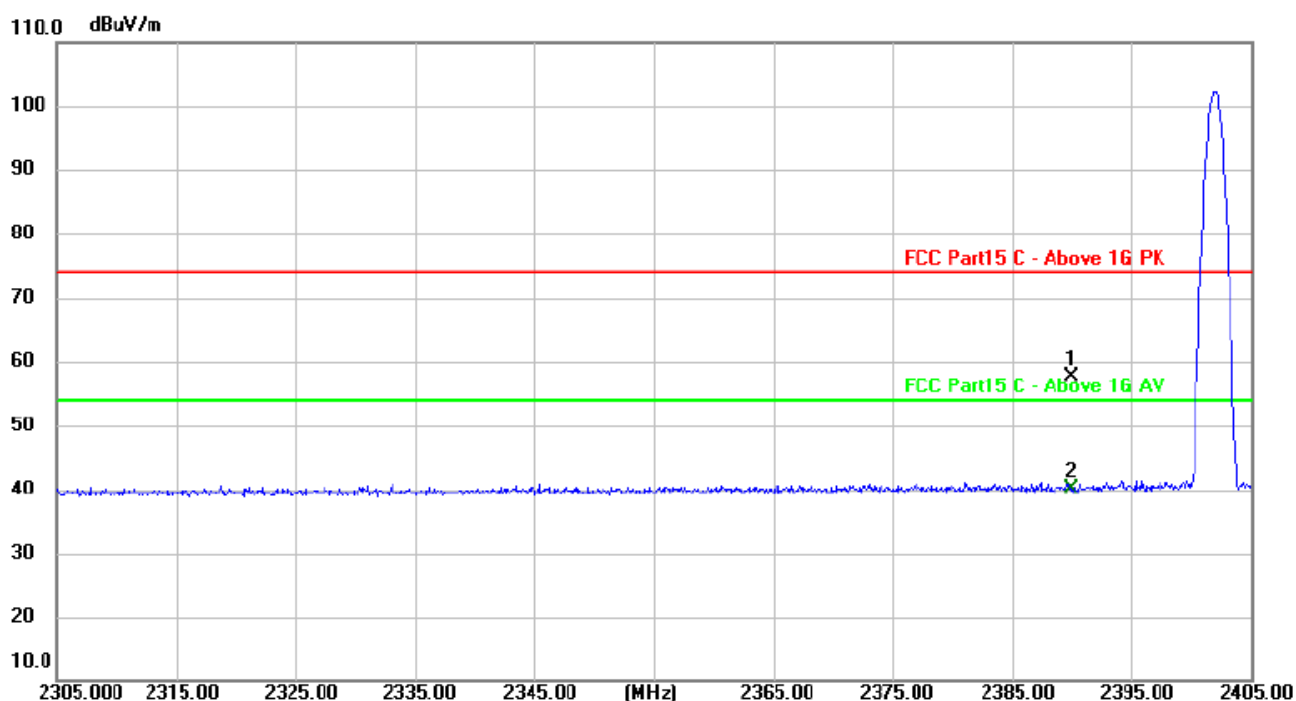
|                     |                                                                  |
|---------------------|------------------------------------------------------------------|
| EUT Name:           | Camera                                                           |
| Model:              | TPSB1                                                            |
| Test Mode:          | BR_DH5_Low channel                                               |
| Order No/Sample No: | C35713EVT17010                                                   |
| Test Voltage::      | 3.86Vdc, 2150mAh supplied by a rechargeable Lithium Ion Battery, |
| Remark:             | Temp 22 Humi:52%                                                 |
| Test Standard:      | FCC 15.247                                                       |
| Polarization        | Vertical                                                         |
| Tested By:          | Lucy Lan                                                         |
| Reviewed By:        | Terry Yin                                                        |



| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| 1   | 4804.000        | 38.19          | 6.38          | 44.57          | 74.00          | -29.43      | peak     |
| 2   | 4804.000        | 29.67          | 6.38          | 36.05          | 54.00          | -17.95      | AVG      |
| 3   | 7206.000        | 36.45          | 13.79         | 50.24          | 74.00          | -23.76      | peak     |
| 4   | 7206.000        | 27.48          | 13.79         | 41.27          | 54.00          | -12.73      | AVG      |
| 5   | 12010.000       | 34.70          | 18.28         | 52.98          | 74.00          | -21.02      | peak     |
| 6 * | 12010.000       | 26.37          | 18.28         | 44.65          | 54.00          | -9.35       | AVG      |

## EUT Information

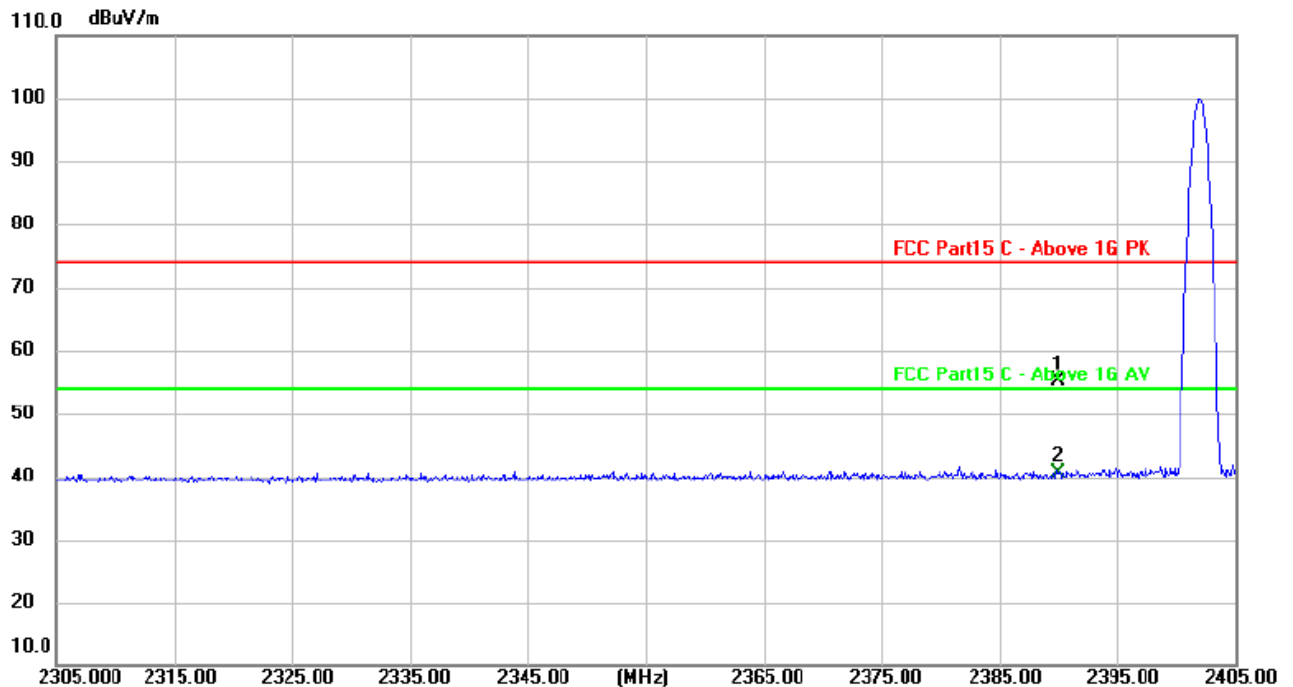
|                     |                                                                  |
|---------------------|------------------------------------------------------------------|
| EUT Name:           | Camera                                                           |
| Model:              | TPSB1                                                            |
| Test Mode:          | BR_DH5_Low channel                                               |
| Order No/Sample No: | C35713EVT17010                                                   |
| Test Voltage::      | 3.86Vdc, 2150mAh supplied by a rechargeable Lithium Ion Battery, |
| Remark:             | Temp 22 Humi:52%                                                 |
| Test Standard:      | FCC 15.247                                                       |
| Polarization        | Horizontal                                                       |
| Tested By:          | Lucy Lan                                                         |
| Reviewed By:        | Terry Yin                                                        |



| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| 1   | 2390.000        | 21.65          | 35.86         | 57.51          | 74.00          | -16.49      | peak     |
| 2 * | 2390.000        | 4.32           | 35.86         | 40.18          | 54.00          | -13.82      | AVG      |

## EUT Information

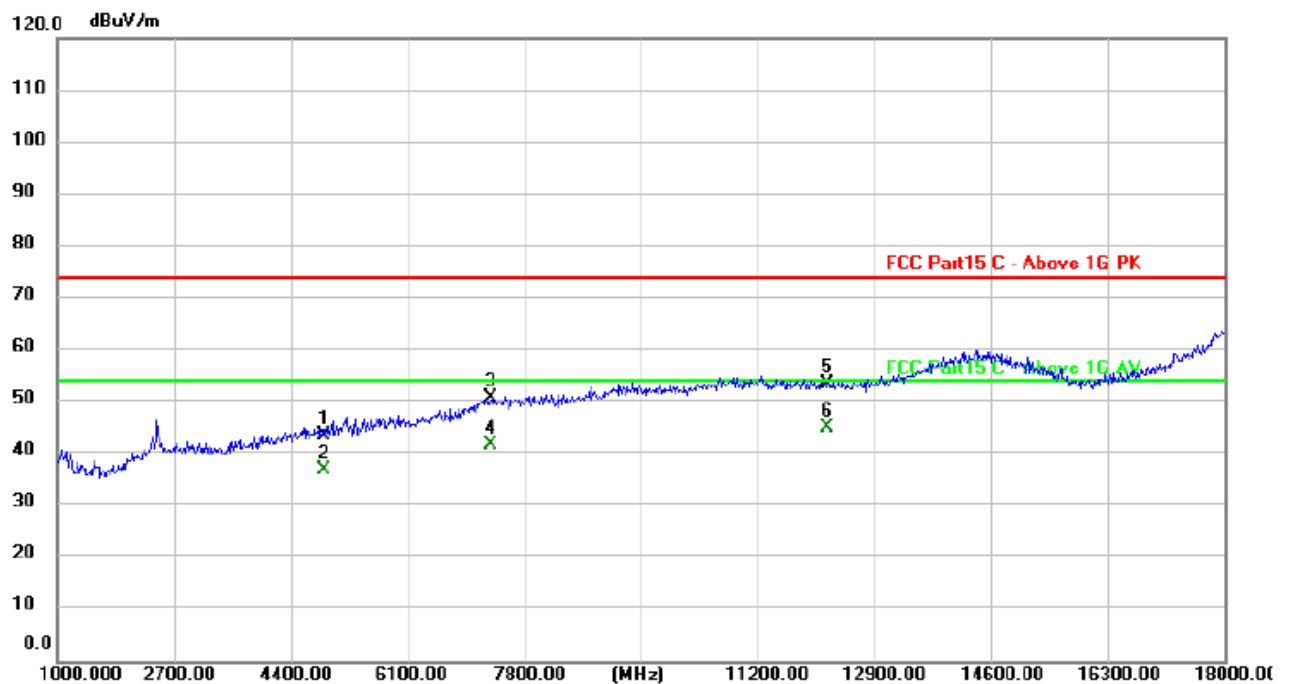
|                     |                                                                  |
|---------------------|------------------------------------------------------------------|
| EUT Name:           | Camera                                                           |
| Model:              | TPSB1                                                            |
| Test Mode:          | BR_DH5_Low channel                                               |
| Order No/Sample No: | C35713EVT17010                                                   |
| Test Voltage::      | 3.86Vdc, 2150mAh supplied by a rechargeable Lithium Ion Battery, |
| Remark:             | Temp 22 Humi:52%                                                 |
| Test Standard:      | FCC 15.247                                                       |
| Polarization        | Vertical                                                         |
| Tested By:          | Lucy Lan                                                         |
| Reviewed By:        | Terry Yin                                                        |



| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| 1   | 2390.000        | 19.30          | 35.86         | 55.16          | 74.00          | -18.84      | peak     |
| 2 * | 2390.000        | 4.86           | 35.86         | 40.72          | 54.00          | -13.28      | AVG      |

## EUT Information

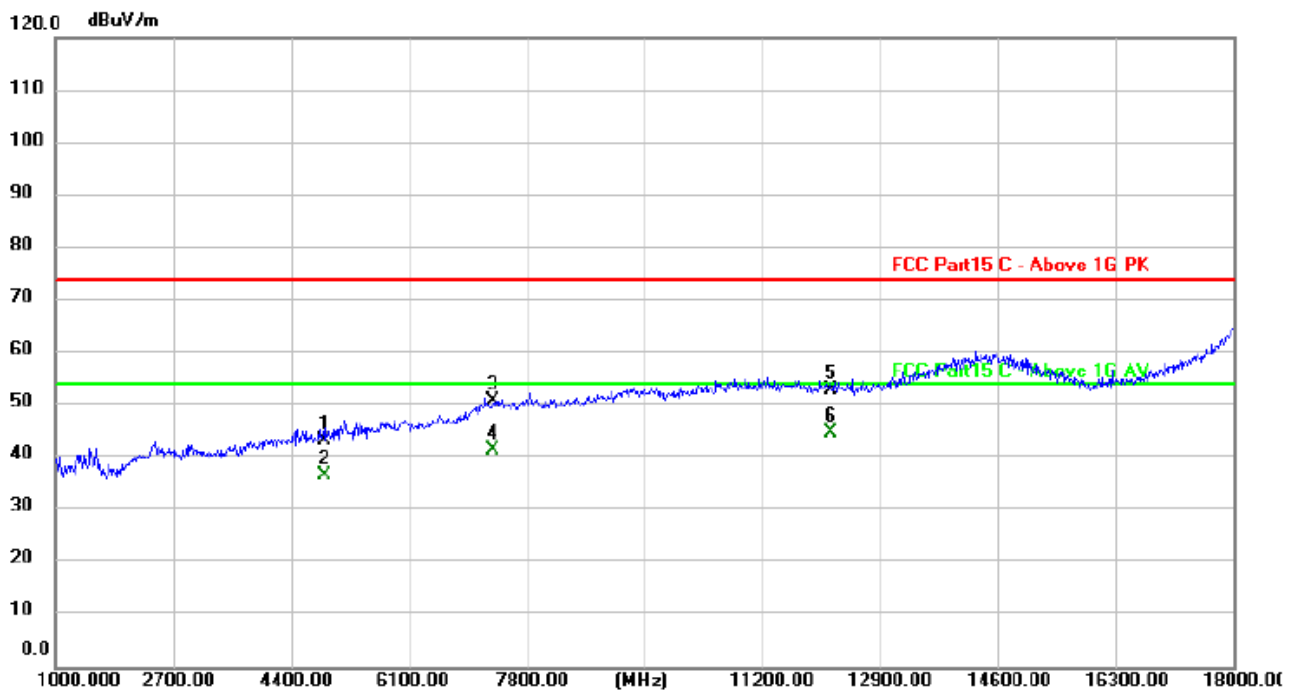
|                     |                                                                  |
|---------------------|------------------------------------------------------------------|
| EUT Name:           | Camera                                                           |
| Model:              | TPSB1                                                            |
| Test Mode:          | BR_DH5_Mid channel                                               |
| Order No/Sample No: | C35713EVT17010                                                   |
| Test Voltage::      | 3.86Vdc, 2150mAh supplied by a rechargeable Lithium Ion Battery, |
| Remark:             | Temp 22 Humi:52%                                                 |
| Test Standard:      | FCC 15.247                                                       |
| Polarization        | Horizontal                                                       |
| Tested By:          | Lucy Lan                                                         |
| Reviewed By:        | Terry Yin                                                        |



| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| 1   | 4882.000        | 37.23          | 6.54          | 43.77          | 74.00          | -30.23      | peak     |
| 2   | 4882.000        | 30.39          | 6.54          | 36.93          | 54.00          | -17.07      | AVG      |
| 3   | 7323.000        | 36.86          | 14.01         | 50.87          | 74.00          | -23.13      | peak     |
| 4   | 7323.000        | 27.87          | 14.01         | 41.88          | 54.00          | -12.12      | AVG      |
| 5   | 12205.000       | 35.20          | 18.33         | 53.53          | 74.00          | -20.47      | peak     |
| 6 * | 12205.000       | 26.70          | 18.33         | 45.03          | 54.00          | -8.97       | AVG      |

## EUT Information

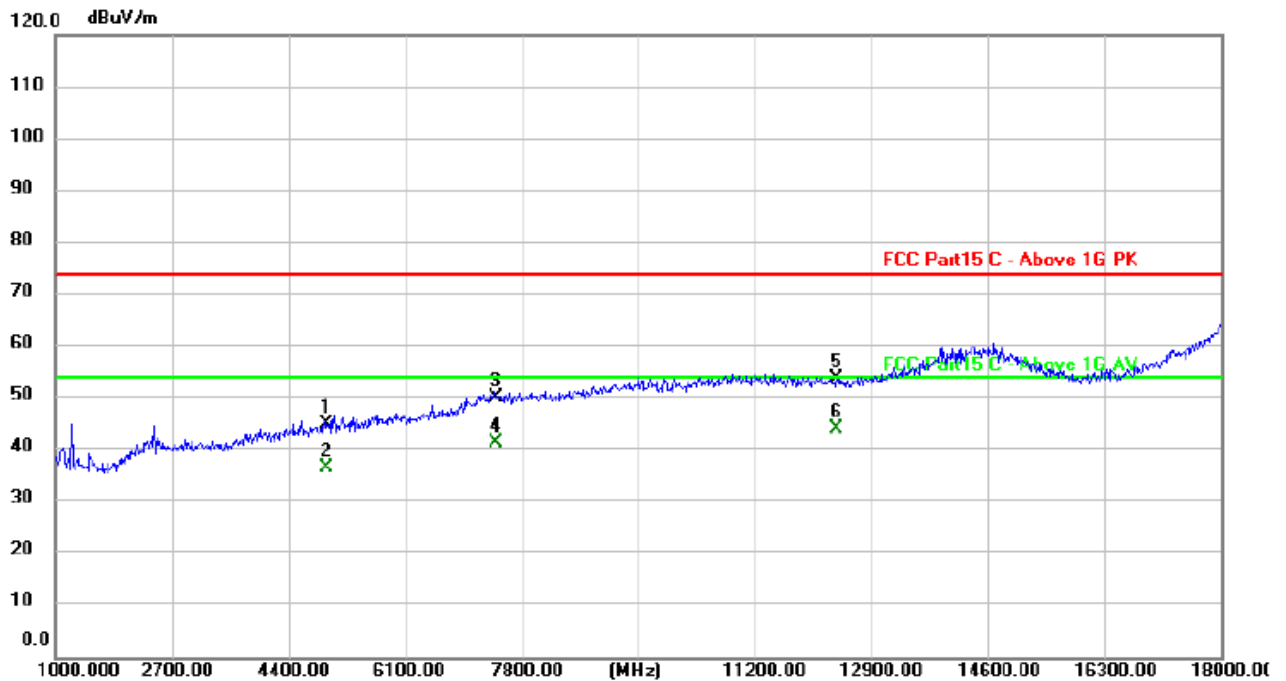
|                     |                                                                  |
|---------------------|------------------------------------------------------------------|
| EUT Name:           | Camera                                                           |
| Model:              | TPSB1                                                            |
| Test Mode:          | BR_DH5_Mid channel                                               |
| Order No/Sample No: | C35713EVT17010                                                   |
| Test Voltage::      | 3.86Vdc, 2150mAh supplied by a rechargeable Lithium Ion Battery, |
| Remark:             | Temp 22 Humi:52%                                                 |
| Test Standard:      | FCC 15.247                                                       |
| Polarization        | Vertical                                                         |
| Tested By:          | Lucy Lan                                                         |
| Reviewed By:        | Terry Yin                                                        |



| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| 1   | 4882.000        | 36.89          | 6.54          | 43.43          | 74.00          | -30.57      | peak     |
| 2   | 4882.000        | 30.16          | 6.54          | 36.70          | 54.00          | -17.30      | AVG      |
| 3   | 7323.000        | 36.86          | 14.01         | 50.87          | 74.00          | -23.13      | peak     |
| 4   | 7323.000        | 27.61          | 14.01         | 41.62          | 54.00          | -12.38      | AVG      |
| 5   | 12205.000       | 34.72          | 18.33         | 53.05          | 74.00          | -20.95      | peak     |
| 6 * | 12205.000       | 26.58          | 18.33         | 44.91          | 54.00          | -9.09       | AVG      |

## EUT Information

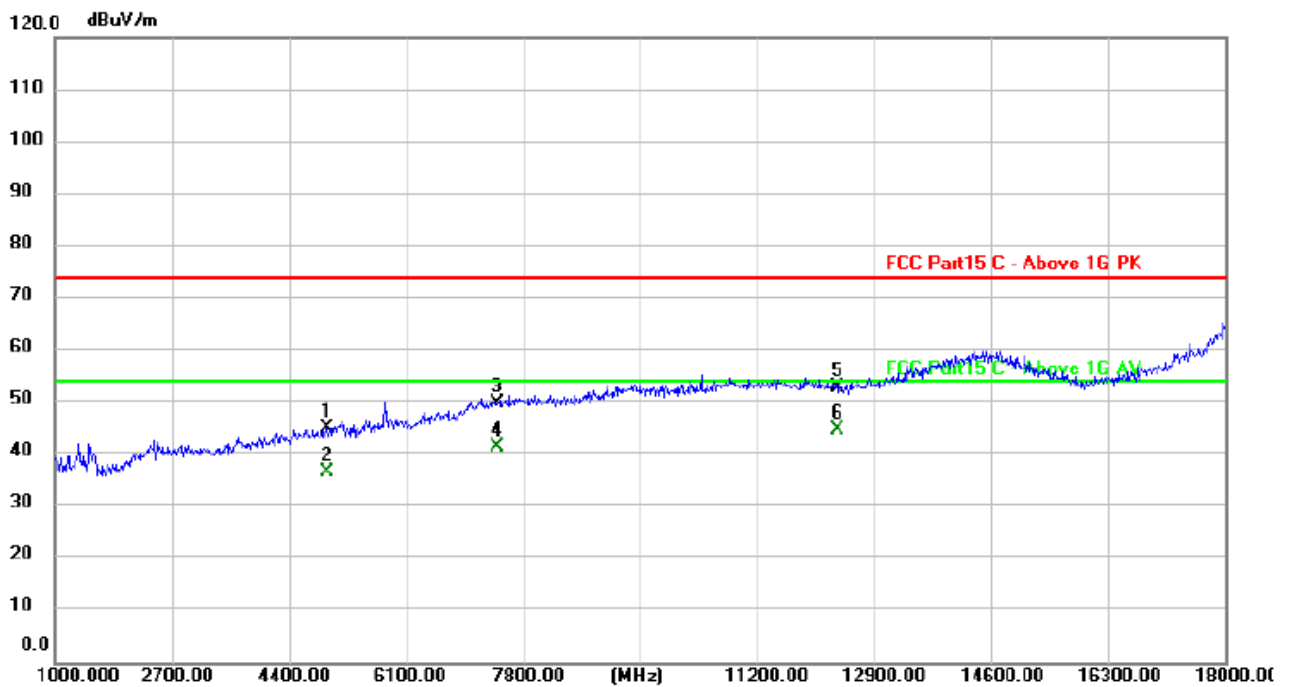
|                     |                                                                  |
|---------------------|------------------------------------------------------------------|
| EUT Name:           | Camera                                                           |
| Model:              | TPSB1                                                            |
| Test Mode:          | BR_DH5_High channel                                              |
| Order No/Sample No: | C35713EVT17010                                                   |
| Test Voltage::      | 3.86Vdc, 2150mAh supplied by a rechargeable Lithium Ion Battery, |
| Remark:             | Temp 22 Humi:52%                                                 |
| Test Standard:      | FCC 15.247                                                       |
| Polarization        | Horizontal                                                       |
| Tested By:          | Lucy Lan                                                         |
| Reviewed By:        | Terry Yin                                                        |



| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| 1   | 4960.000        | 38.53          | 6.68          | 45.21          | 74.00          | -28.79      | peak     |
| 2   | 4960.000        | 30.14          | 6.68          | 36.82          | 54.00          | -17.18      | AVG      |
| 3   | 7440.000        | 36.23          | 13.95         | 50.18          | 74.00          | -23.82      | peak     |
| 4   | 7440.000        | 27.62          | 13.95         | 41.57          | 54.00          | -12.43      | AVG      |
| 5   | 12400.000       | 35.61          | 18.20         | 53.81          | 74.00          | -20.19      | peak     |
| 6 * | 12400.000       | 26.07          | 18.20         | 44.27          | 54.00          | -9.73       | AVG      |

## EUT Information

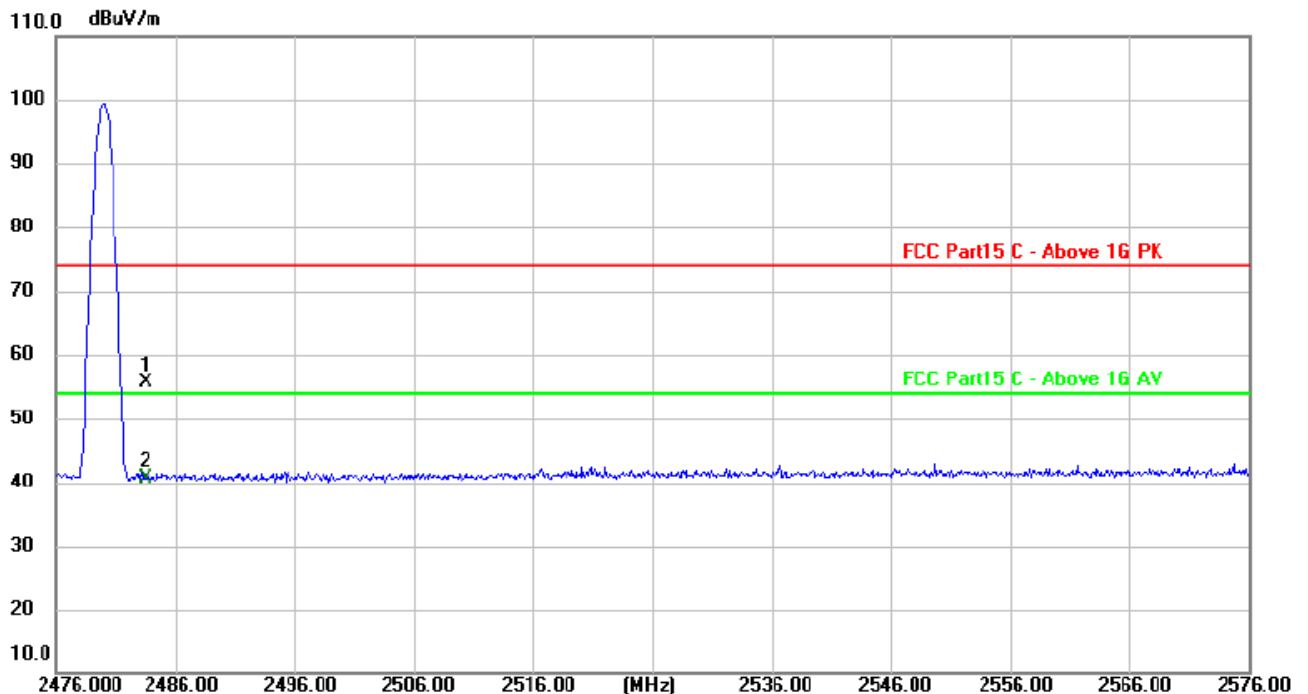
|                     |                                                                  |
|---------------------|------------------------------------------------------------------|
| EUT Name:           | Camera                                                           |
| Model:              | TPSB1                                                            |
| Test Mode:          | BR_DH5_High channel                                              |
| Order No/Sample No: | C35713EVT17010                                                   |
| Test Voltage::      | 3.86Vdc, 2150mAh supplied by a rechargeable Lithium Ion Battery, |
| Remark:             | Temp 22 Humi:52%                                                 |
| Test Standard:      | FCC 15.247                                                       |
| Polarization        | Vertical                                                         |
| Tested By:          | Lucy Lan                                                         |
| Reviewed By:        | Terry Yin                                                        |



| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| 1   | 4960.000        | 38.51          | 6.68          | 45.19          | 74.00          | -28.81      | peak     |
| 2   | 4960.000        | 30.04          | 6.68          | 36.72          | 54.00          | -17.28      | AVG      |
| 3   | 7440.000        | 35.95          | 13.95         | 49.90          | 74.00          | -24.10      | peak     |
| 4   | 7440.000        | 27.56          | 13.95         | 41.51          | 54.00          | -12.49      | AVG      |
| 5   | 12400.000       | 34.73          | 18.20         | 52.93          | 74.00          | -21.07      | peak     |
| 6 * | 12400.000       | 26.53          | 18.20         | 44.73          | 54.00          | -9.27       | AVG      |

## EUT Information

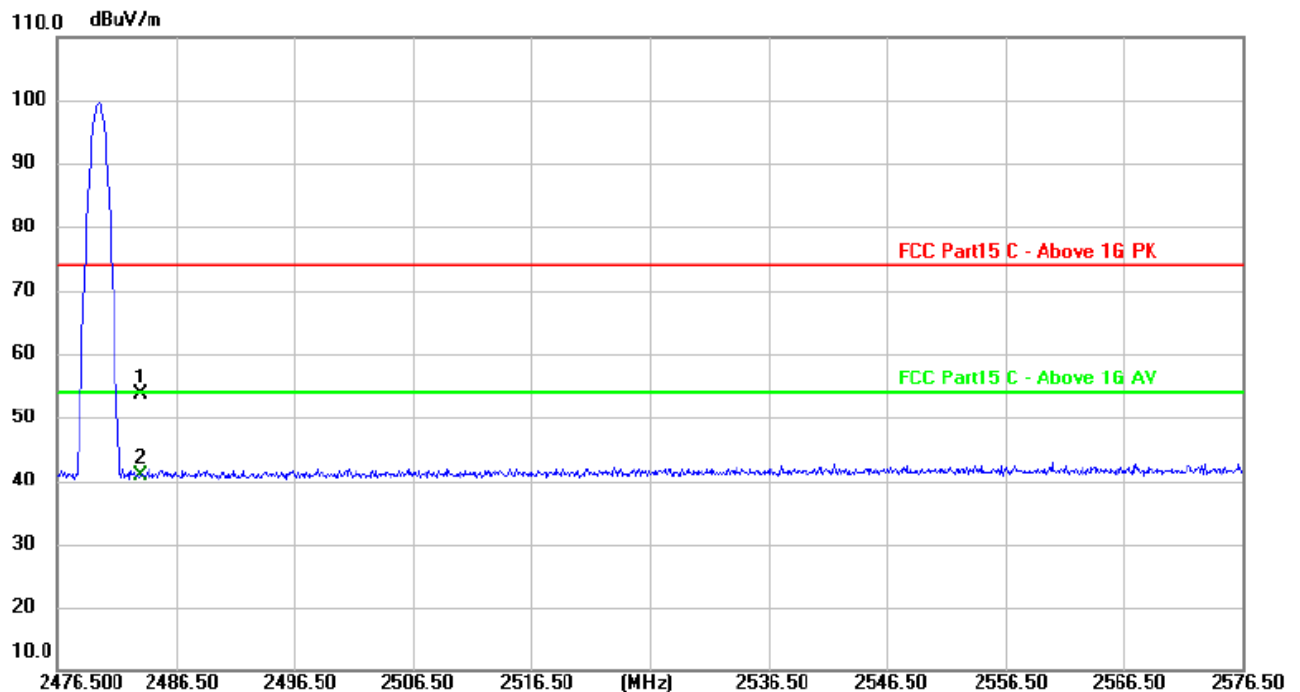
|                     |                                                                  |
|---------------------|------------------------------------------------------------------|
| EUT Name:           | Camera                                                           |
| Model:              | TPSB1                                                            |
| Test Mode:          | BR_DH5_High channel                                              |
| Order No/Sample No: | C35713EVT17010                                                   |
| Test Voltage::      | 3.86Vdc, 2150mAh supplied by a rechargeable Lithium Ion Battery, |
| Remark:             | Temp 22 Humi:52%                                                 |
| Test Standard:      | FCC 15.247                                                       |
| Polarization        | Horizontal                                                       |
| Tested By:          | Lucy Lan                                                         |
| Reviewed By:        | Terry Yin                                                        |



| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| 1   | 2483.500        | 19.37          | 36.36         | 55.73          | 74.00          | -18.27      | peak     |
| 2 * | 2483.500        | 4.21           | 36.36         | 40.57          | 54.00          | -13.43      | AVG      |

## EUT Information

|                     |                                                                  |
|---------------------|------------------------------------------------------------------|
| EUT Name:           | Camera                                                           |
| Model:              | TPSB1                                                            |
| Test Mode:          | BR_DH5_High channel                                              |
| Order No/Sample No: | C35713EVT17010                                                   |
| Test Voltage::      | 3.86Vdc, 2150mAh supplied by a rechargeable Lithium Ion Battery, |
| Remark:             | Temp 22 Humi:52%                                                 |
| Test Standard:      | FCC 15.247                                                       |
| Polarization        | Vertical                                                         |
| Tested By:          | Lucy Lan                                                         |
| Reviewed By:        | Terry Yin                                                        |

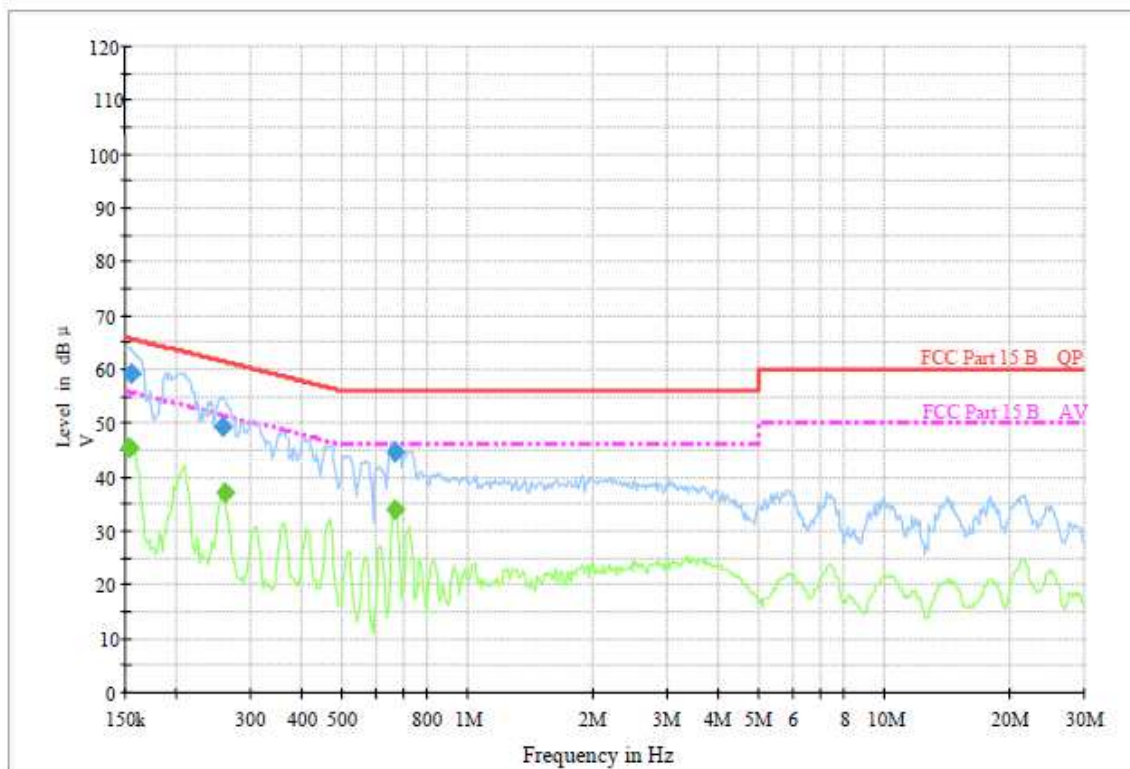


| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| 1   | 2483.500        | 17.37          | 36.36         | 53.73          | 74.00          | -20.27      | peak     |
| 2 * | 2483.500        | 4.48           | 36.36         | 40.84          | 54.00          | -13.16      | AVG      |

## Appendix B.8: Test Results of Conducted Emission on AC Mains

### EUT Information

EUT Name: Camera  
Order No: C35713EVT17010  
Model: TPSB1  
Test mode: BR\_DH5\_Low channel  
Test Voltage: AC 120V/60Hz  
Test Standard: FCC 15.247/RSS 247  
Test By:/Review By: Lucy Lan/Terry Yin  
Remark: SR2



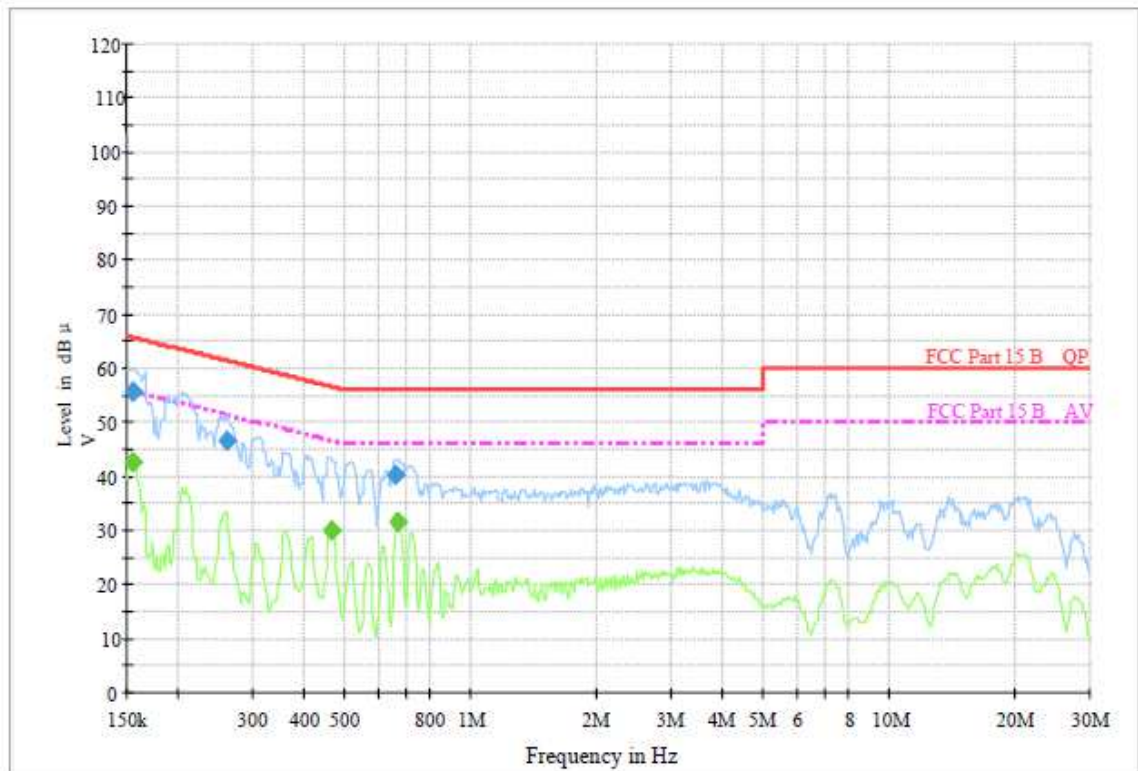
### Final Measurement Detector 1

| Frequency (MHz) | QuasiPeak (dB $\mu$ V) | Meas. Time (ms) | Bandwidth (kHz) | Filter | Line | Corr. (dB) | Margin (dB) | Limit (dB $\mu$ V) | Comment |
|-----------------|------------------------|-----------------|-----------------|--------|------|------------|-------------|--------------------|---------|
| 0.154860        | 59.3                   | 1000.00         | 9.000           | On     | L1   | 9.4        | 6.4         | 65.7               |         |
| 0.257870        | 49.4                   | 1000.00         | 9.000           | On     | L1   | 9.5        | 12.1        | 61.5               |         |
| 0.665600        | 44.6                   | 1000.00         | 9.000           | On     | L1   | 9.6        | 11.4        | 56.0               |         |

### Final Measurement Detector 2

| Frequency (MHz) | Average (dB $\mu$ V) | Meas. Time (ms) | Bandwidth (kHz) | Filter | Line | Corr. (dB) | Margin (dB) | Limit (dB $\mu$ V) | Comment |
|-----------------|----------------------|-----------------|-----------------|--------|------|------------|-------------|--------------------|---------|
| 0.153630        | 45.2                 | 1000.00         | 9.000           | On     | L1   | 9.4        | 10.6        | 55.8               |         |
| 0.259940        | 37.2                 | 1000.00         | 9.000           | On     | L1   | 9.5        | 14.2        | 51.4               |         |
| 0.665600        | 34.1                 | 1000.00         | 9.000           | On     | L1   | 9.6        | 11.9        | 46.0               |         |

EUT Name: Camera  
Order No: C35713EVT17010  
Model: TPSB1  
Test mode: BR\_DH5\_Low channel  
Test Voltage: AC 120V/60Hz  
Test Standard: FCC 15.247/RSS 247  
Test By:/Review By: Lucy Lan/Terry Yin  
Remark: SR2



### Final Measurement Detector 1

| Frequency (MHz) | QuasiPeak (dB μV) | Meas. Time (ms) | Bandwidth (kHz) | Filter | Line | Corr. (dB) | Margin (dB) | Limit (dB μV) | Comment |
|-----------------|-------------------|-----------------|-----------------|--------|------|------------|-------------|---------------|---------|
| 0.156100        | 55.5              | 1000.00         | 9.000           | On     | N    | 9.4        | 10.2        | 65.7          |         |
| 0.259940        | 46.5              | 1000.00         | 9.000           | On     | N    | 9.4        | 14.9        | 61.4          |         |
| 0.660310        | 40.5              | 1000.00         | 9.000           | On     | N    | 9.4        | 15.5        | 56.0          |         |

### Final Measurement Detector 2

| Frequency (MHz) | Average (dB μV) | Meas. Time (ms) | Bandwidth (kHz) | Filter | Line | Corr. (dB) | Margin (dB) | Limit (dB μV) | Comment |
|-----------------|-----------------|-----------------|-----------------|--------|------|------------|-------------|---------------|---------|
| 0.156100        | 42.8            | 1000.00         | 9.000           | On     | N    | 9.4        | 12.9        | 55.7          |         |
| 0.461350        | 29.9            | 1000.00         | 9.000           | On     | N    | 9.6        | 16.8        | 46.7          |         |
| 0.665600        | 31.5            | 1000.00         | 9.000           | On     | N    | 9.3        | 14.5        | 46.0          |         |

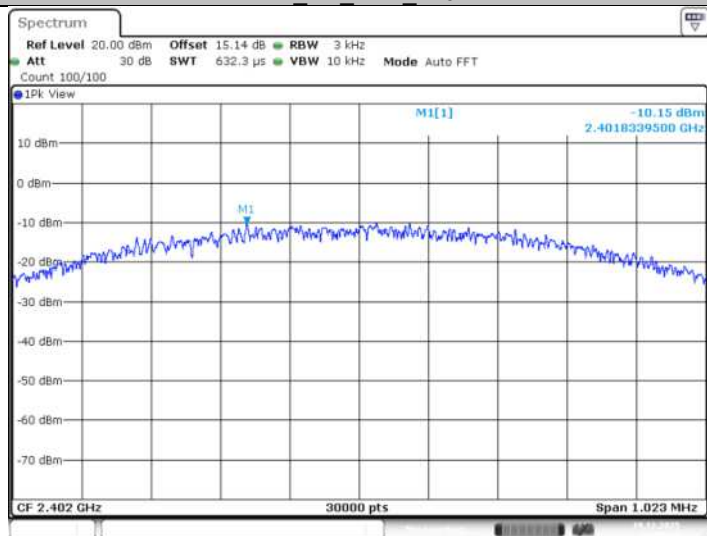
## Appendix C: Test Results of Bluetooth LE

|                                                                                                       |           |
|-------------------------------------------------------------------------------------------------------|-----------|
| <b>APPENDIX C: TEST RESULTS OF BLUETOOTH LE .....</b>                                                 | <b>1</b>  |
| <b>APPENDIX C.1: TEST RESULTS OF CONDUCTED POWER SPECTRAL DENSITY .....</b>                           | <b>2</b>  |
| <b>APPENDIX C.3: TEST RESULTS OF 99% BANDWIDTH .....</b>                                              | <b>8</b>  |
| <b>APPENDIX C.4: TEST RESULTS OF CONDUCTED SPURIOUS EMISSIONS MEASURED IN 100 kHz BANDWIDTH .....</b> | <b>11</b> |
| <b>APPENDIX C.5: TEST RESULTS OF RADIATED SPURIOUS EMISSIONS.....</b>                                 | <b>20</b> |
| 30 MHz to 1GHz.....                                                                                   | 20        |
| Above 1GHz.....                                                                                       | 22        |
| <b>APPENDIX C.6: TEST RESULTS OF CONDUCTED EMISSION ON AC MAINS .....</b>                             | <b>36</b> |

### Appendix C.1: Test Results of Conducted Power Spectral Density

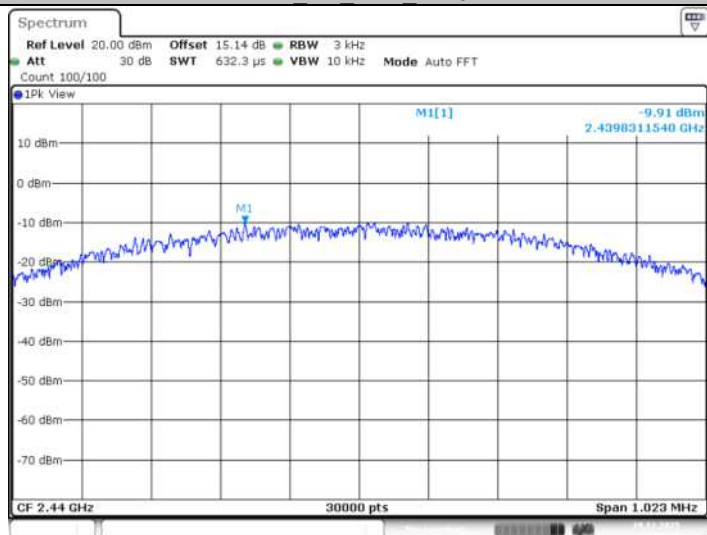
| TestMode | Antenna | Freq(MHz) | Result[dBm/3kHz] | Limit[dBm/3kHz] | Verdict |
|----------|---------|-----------|------------------|-----------------|---------|
| BLE_1M   | Ant1    | 2402      | -10.15           | ≤8.00           | PASS    |
|          |         | 2440      | -9.91            | ≤8.00           | PASS    |
|          |         | 2480      | -10.83           | ≤8.00           | PASS    |
| BLE_2M   | Ant1    | 2402      | -12.87           | ≤8.00           | PASS    |
|          |         | 2440      | -12.74           | ≤8.00           | PASS    |
|          |         | 2480      | -13.39           | ≤8.00           | PASS    |

BLE 1M Ant1\_2402



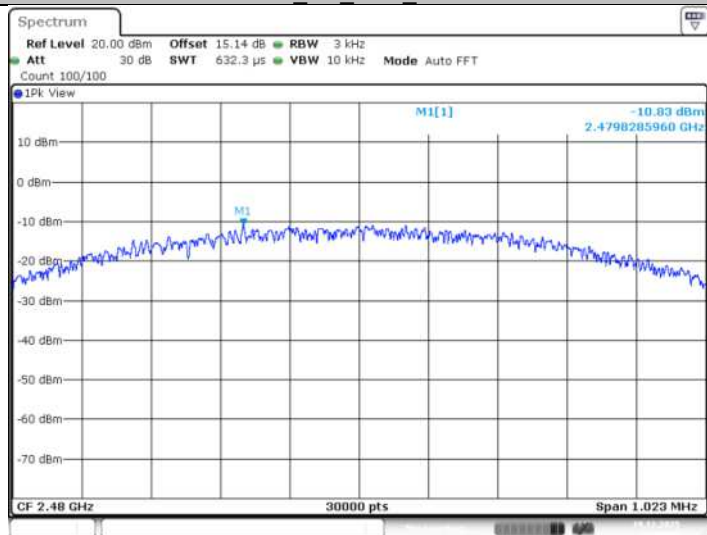
Date: 19.DEC.2025 13:50:52

BLE 1M Ant1\_2440



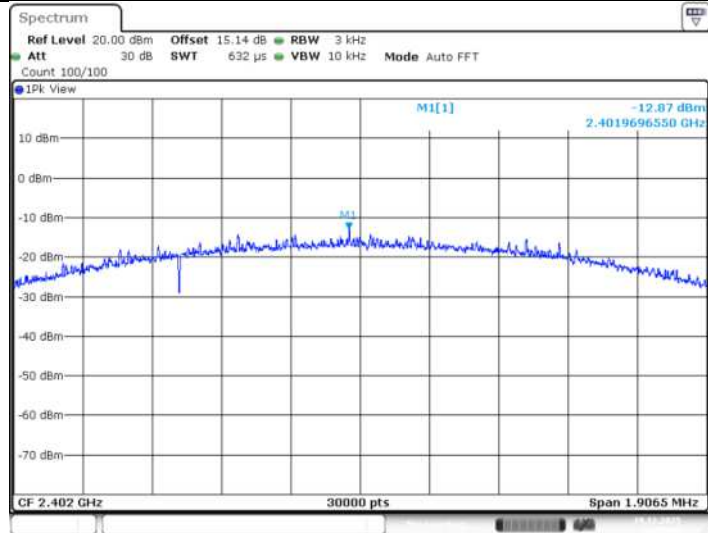
Date: 19.DEC.2025 13:54:30

BLE 1M Ant1\_2480



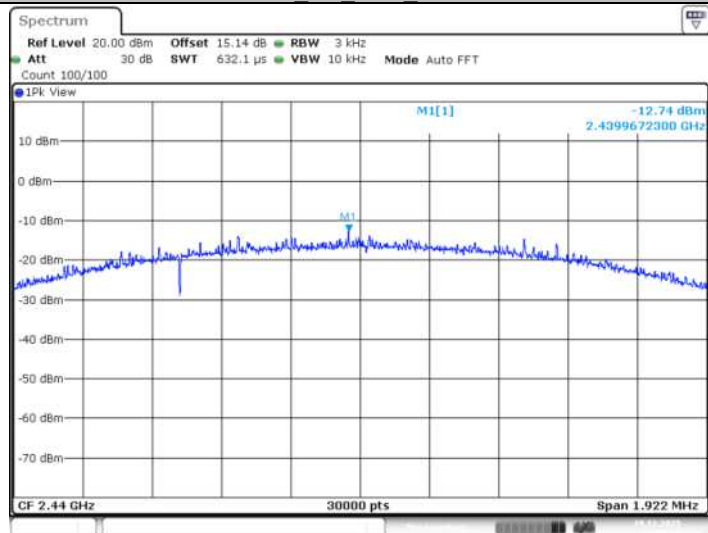
Date: 19.DEC.2025 13:56:09

BLE 2M Ant1\_2402



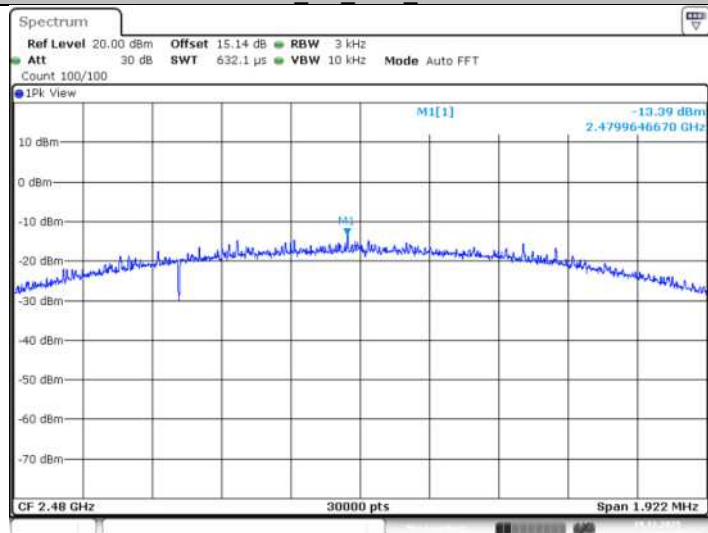
Date: 19.DEC.2025 13:58:02

BLE 2M Ant1\_2440



Date: 19.DEC.2025 13:59:58

BLE 2M Ant1\_2480



Date: 19.DEC.2025 14:01:42

## Appendix C.2: Test Results of 6dB Bandwidth

| TestMode | Antenna | Freq(MHz) | DTS BW [MHz] | FL[MHz] | FH[MHz] | Limit[MHz] | Verdict |
|----------|---------|-----------|--------------|---------|---------|------------|---------|
| BLE_1M   | Ant1    | 2402      | 0.66         | 2401.67 | 2402.33 | 0.5        | PASS    |
|          |         | 2440      | 0.66         | 2439.67 | 2440.33 | 0.5        | PASS    |
|          |         | 2480      | 0.66         | 2479.66 | 2480.33 | 0.5        | PASS    |
| BLE_2M   | Ant1    | 2402      | 1.23         | 2401.35 | 2402.58 | 0.5        | PASS    |
|          |         | 2440      | 1.24         | 2439.35 | 2440.58 | 0.5        | PASS    |
|          |         | 2480      | 1.24         | 2479.34 | 2480.58 | 0.5        | PASS    |

BLE 1M Ant1\_2402



Date: 19.DEC.2025 13:50:34

BLE 1M Ant1\_2440



Date: 19.DEC.2025 13:54:11

BLE 1M Ant1\_2480



Date: 19.DEC.2025 13:55:51