

# RADIO TEST REPORT

## Test Report No. 16222715H-B-R2

|                     |                            |
|---------------------|----------------------------|
| Customer            | DENSO TEN Limited          |
| Description of EUT  | Car Audio                  |
| Model Number of EUT | TN0052E                    |
| FCC ID              | BABTN0052E                 |
| Test Regulation     | FCC Part 15 Subpart C      |
| Test Result         | Complied                   |
| Issue Date          | May 18, 2026               |
| Remarks             | Bluetooth (BR / EDR) parts |

**Representative Test Engineer**Wataru Toriyama  
Engineer**Approved By**Ryota Yamanaka  
Engineer

CERTIFICATE 5107.02

- ☐ The testing in which "Non-accreditation" is displayed is outside the accreditation scopes in UL Japan, Inc.
- ☒ There is no testing item of "Non-accreditation".

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- If the latest version is a revision, it replaces the previous version. See the table below for revisions and versions.

## **REVISION HISTORY**

| Revision     | Test Report No. | Date           | Page Revised Contents                                                                                                                                                                                                                                                                       |
|--------------|-----------------|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| - (Original) | 16222715H-B     | April 20, 2026 | -                                                                                                                                                                                                                                                                                           |
| 1            | 16222715H-B-R1  | May 14, 2026   | SECTION 2.2: Radio Specification<br>- Deletion of notes related to simultaneous transmission<br><br>SECTION 4.2: List of Cables Used for Antenna Terminal Conducted Tests<br>- Correction of Shield information (both Cable and Connector) for No.10, 13, 14<br>From Unshielded to Shielded |
| 2            | 16222715H-B-R2  | May 18, 2026   | APPENDIX 1: Radiated Spurious Emission (Plot data, Worst case mode for Maximum Peak Output Power)<br>- Correction of Tested frequency from 2412 MHz to 2402 MHz<br>- Addition of a missing data point to the vertical plot.                                                                 |

## Reference: Abbreviations (Including words undescribed in this report)

|                |                                                                 |         |                                                     |
|----------------|-----------------------------------------------------------------|---------|-----------------------------------------------------|
| A2LA           | The American Association for Laboratory Accreditation           | IEC     | International Electrotechnical Commission           |
| AC             | Alternating Current                                             | IEEE    | Institute of Electrical and Electronics Engineers   |
| AFH            | Adaptive Frequency Hopping                                      | IF      | Intermediate Frequency                              |
| AM             | Amplitude Modulation                                            | ILAC    | International Laboratory Accreditation Conference   |
| Amp, AMP       | Amplifier                                                       | ISED    | Innovation, Science and Economic Development Canada |
| ANSI           | American National Standards Institute                           | ISO     | International Organization for Standardization      |
| Ant, ANT       | Antenna                                                         | JAB     | Japan Accreditation Board                           |
| AP             | Access Point                                                    | LAN     | Local Area Network                                  |
| ASK            | Amplitude Shift Keying                                          | LIMS    | Laboratory Information Management System            |
| Atten., ATT    | Attenuator                                                      | MCS     | Modulation and Coding Scheme                        |
| AV             | Average                                                         | MRA     | Mutual Recognition Arrangement                      |
| BPSK           | Binary Phase-Shift Keying                                       | N/A     | Not Applicable                                      |
| BR             | Bluetooth Basic Rate                                            | NIST    | National Institute of Standards and Technology      |
| BT             | Bluetooth                                                       | NS      | No signal detect.                                   |
| BT LE          | Bluetooth Low Energy                                            | NSA     | Normalized Site Attenuation                         |
| BW             | BandWidth                                                       | NVLAP   | National Voluntary Laboratory Accreditation Program |
| Cal Int        | Calibration Interval                                            | OBW     | Occupied Band Width                                 |
| CCK            | Complementary Code Keying                                       | OFDM    | Orthogonal Frequency Division Multiplexing          |
| Ch., CH        | Channel                                                         | OFDMA   | Orthogonal Frequency Division Multiple Access       |
| CISPR          | Comite International Special des Perturbations Radioelectriques | P/M     | Power meter                                         |
| CW             | Continuous Wave                                                 | PCB     | Printed Circuit Board                               |
| DBPSK          | Differential BPSK                                               | PER     | Packet Error Rate                                   |
| DC             | Direct Current                                                  | PHY     | Physical Layer                                      |
| D-factor       | Distance factor                                                 | PK      | Peak                                                |
| DFS            | Dynamic Frequency Selection                                     | PN      | Pseudo random Noise                                 |
| DQPSK          | Differential QPSK                                               | PP      | Preamble Puncturing                                 |
| DSSS           | Direct Sequence Spread Spectrum                                 | PRBS    | Pseudo-Random Bit Sequence                          |
| EDR            | Enhanced Data Rate                                              | PSD     | Power Spectral Density                              |
| EIRP, e.i.r.p. | Equivalent Isotropically Radiated Power                         | QAM     | Quadrature Amplitude Modulation                     |
| EMC            | ElectroMagnetic Compatibility                                   | QP      | Quasi-Peak                                          |
| EMI            | ElectroMagnetic Interference                                    | QPSK    | Quadri-Phase Shift Keying                           |
| EN             | European Norm                                                   | RBW     | Resolution Band Width                               |
| ERP, e.r.p.    | Effective Radiated Power                                        | RDS     | Radio Data System                                   |
| EU             | European Union                                                  | RE      | Radio Equipment                                     |
| EUT            | Equipment Under Test                                            | RF      | Radio Frequency                                     |
| Fac.           | Factor                                                          | RMS     | Root Mean Square                                    |
| FCC            | Federal Communications Commission                               | RSS     | Radio Standards Specifications                      |
| FHSS           | Frequency Hopping Spread Spectrum                               | Rx      | Receiving                                           |
| FM             | Frequency Modulation                                            | SA, S/A | Spectrum Analyzer                                   |
| Freq.          | Frequency                                                       | SG      | Signal Generator                                    |
| FSK            | Frequency Shift Keying                                          | SVSWR   | Site-Voltage Standing Wave Ratio                    |
| GFSK           | Gaussian Frequency-Shift Keying                                 | TR      | Test Receiver                                       |
| GNSS           | Global Navigation Satellite System                              | Tx      | Transmitting                                        |
| GPS            | Global Positioning System                                       | VBW     | Video BandWidth                                     |
| Hori.          | Horizontal                                                      | Vert.   | Vertical                                            |
| ICES           | Interference-Causing Equipment Standard                         | WLAN    | Wireless LAN                                        |

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## **SECTION 1: Customer Information**

|                  |                                                           |
|------------------|-----------------------------------------------------------|
| Company Name     | DENSO TEN Limited                                         |
| Address          | 2-28, Goshō-Dori 1-Chome, Hyogo-ku, Kobe, 652-8510, Japan |
| Telephone Number | +81-50-1727-9598                                          |
| Contact Person   | Kaoru Abe                                                 |

The information provided by the customer is as follows;

- Customer, Description of EUT, Model Number of EUT, FCC ID on the cover and other relevant pages
- Operating/Test Mode(s) (Mode(s)) on all the relevant pages
- SECTION 1: Customer Information
- SECTION 2: Equipment Under Test (EUT) other than the Receipt Date and Test Date
- SECTION 4: Operation of EUT during testing

## **SECTION 2: Equipment Under Test (EUT)**

### **2.1 Identification of EUT**

|               |                                                                                           |
|---------------|-------------------------------------------------------------------------------------------|
| Description   | Car Audio                                                                                 |
| Model Number  | TN0052E                                                                                   |
| Serial Number | Refer to SECTION 4.2                                                                      |
| Condition     | Production prototype<br>(Not for Sale: This sample is equivalent to mass-produced items.) |
| Modification  | No Modification by the test lab                                                           |
| Receipt Date  | February 20, 2026                                                                         |
| Test Date     | February 25 to March 4, 2026                                                              |

### **2.2 Product Description**

#### **General Specification**

|                       |                         |
|-----------------------|-------------------------|
| Rating                | DC 12 V                 |
| Operating temperature | -30 deg. C to 65 deg. C |

## Radio Specification

This report contains data provided by the customer which can impact the validity of results. UL Japan, Inc. is only responsible for the validity of results after the integration of the data provided by the customer. The data provided by the customer is marked "a)" in the table below.

### WLAN (IEEE802.11b/11g/11n-20/11ax-20)

|                        |                              |                       |
|------------------------|------------------------------|-----------------------|
| Equipment Type         | Transceiver                  |                       |
| Frequency of Operation | 2412 MHz to 2462 MHz         |                       |
| Type of Modulation     | DSSS, OFDM                   |                       |
|                        | OFDMA<br>(IEEE802.11ax Only) | 26/52/106/242-tone RU |
| Antenna Gain           | -0.43 dBi                    |                       |

### Bluetooth (BR/EDR/Low Energy)

|                            |                                            |  |
|----------------------------|--------------------------------------------|--|
| Equipment Type             | Transceiver                                |  |
| Frequency of Operation     | 2402 MHz to 2480 MHz                       |  |
| Type of Modulation         | FHSS (GFSK, $\pi/4$ DQPSK, 8 DPSK)<br>GFSK |  |
| Antenna Gain <sup>a)</sup> | -0.95 dBi                                  |  |

### AM/FM

|                        |                                                               |  |
|------------------------|---------------------------------------------------------------|--|
| Equipment Type         | Receiver                                                      |  |
| Frequency of Operation | AM: 522 kHz to 1710 kHz<br>FM: Band II: 87.5 MHz to 108.0 MHz |  |
| Type of Modulation     | AM<br>FM                                                      |  |
| Antenna Connector Type | HFC IV                                                        |  |
| Impedance              | 75 ohm                                                        |  |

## SECTION 3: Test Summary

### 3.1 Test Specification

|                    |                                                                                                                                                                                                              |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Specification | FCC Part 15 Subpart C<br>The latest version on the first day of the testing period                                                                                                                           |
| Title              | FCC 47 CFR Part 15 Radio Frequency Device Subpart C Intentional Radiators<br>Section 15.207 Conducted limits<br>Section 15.247 Operation within the bands 902-928 MHz, 2400-2483.5 MHz,<br>and 5725-5850 MHz |

### 3.2 Reference Standards

ANSI/USEMCSC C63.2-2023  
ANSI C63.4-2014/C63.4a-2017  
ANSI C63.5-2017  
ANSI C63.10-2020  
ANSI/USEMCSC C63.10/Cor 1-2023  
ANSI/USEMCSC C63.10a-2024 (incl. Errata) for ISED  
ANSI C63.25.1-2018  
KDB 558074 D01 v05r02  
KDB 662911 D01 v02r01 for FCC MIMO device

### 3.3 Summary of Test Results

| Item                                     | Specification                                                                                       | Results  | Remarks                                      |
|------------------------------------------|-----------------------------------------------------------------------------------------------------|----------|----------------------------------------------|
| Conducted Emission                       | FCC: Section 15.207<br>ISED: RSS-Gen section 8.8                                                    | N/A      | *1)                                          |
| Carrier Frequency Separation             | FCC: Section 15.247 (a)(1)<br>ISED: RSS-247 section 6.2.3.1 (a)                                     | Complied | Conducted                                    |
| 20 dB Bandwidth                          | FCC: Section 15.247 (a)(1)<br>ISED: RSS-247 section 6.2.1 (a)                                       | Complied | Conducted                                    |
| Number of Hopping Frequency              | FCC: Section 15.247 (a)(1)(iii)<br>ISED: RSS-247 section 6.2.3.1 (b)                                | Complied | Conducted                                    |
| Dwell time                               | FCC: Section 15.247 (a)(1)(iii)<br>ISED: RSS-247 section 6.2.3.1 (b)                                | Complied | Conducted                                    |
| Maximum Peak Output Power                | FCC: Section 15.247 (b)(1)<br>ISED: RSS-247 section 6.2.3.2<br>(a)(b)(c)                            | Complied | Conducted                                    |
| Spurious Emission & Band Edge Compliance | FCC: Section 15.247 (d)<br>ISED: RSS-247 section 6.6<br>RSS-Gen section 8.9<br>RSS-Gen section 8.10 | Complied | Conducted/<br>Radiated<br>(above 30 MHz) *2) |

Note: UL Japan, Inc.'s EMI Work Procedures: Work Instructions-ULID-003591 and Work Instructions-ULID-003593.

\*1) The test is not applicable since the EUT is not the device that is designed to be connected to the public utility (AC) power line.

\*2) Radiated test was selected over 30 MHz based on section 15.247(d).

#### **FCC Part 15.31 (e)**

This EUT provides the stable voltage constantly to RF Part regardless of input voltage.  
Therefore, this EUT complies with the requirement.

#### **FCC Part 15.203 Antenna requirement**

It is impossible for end users to replace the antenna, because the antenna is mounted inside of the EUT.  
Therefore, the equipment complies with the antenna requirement of Section 15.203.

### 3.4 Addition to Standard

| Item                   | Specification | Results | Remarks   |
|------------------------|---------------|---------|-----------|
| 99% Occupied Bandwidth | ISED: -       | -       | Conducted |

Other than above, no addition, exclusion nor deviation has been made from the standard.

### 3.5 Uncertainty

Measurement uncertainty is not taken into account when stating conformity with a specified requirement.  
Note: When margins obtained from test results are less than the measurement uncertainty, the test results may exceed the limit.

The following uncertainties have been calculated to provide a confidence level of 95 % using a coverage factor  $k = 2$ .

#### Radiated emission

| Measurement distance | Frequency range     |            | Unit | Calculated Uncertainty (+/-) |
|----------------------|---------------------|------------|------|------------------------------|
| 3 m                  | 9 kHz to 30 MHz     |            | dB   | 3.3                          |
| 10 m                 |                     |            | dB   | 3.1                          |
| 3 m                  | 30 MHz to 200 MHz   | Horizontal | dB   | 5.0                          |
|                      |                     | Vertical   | dB   | 5.0                          |
|                      | 200 MHz to 1000 MHz | Horizontal | dB   | 5.2                          |
|                      |                     | Vertical   | dB   | 6.2                          |
| 10 m                 | 30 MHz to 200 MHz   | Horizontal | dB   | 5.5                          |
|                      |                     | Vertical   | dB   | 5.4                          |
|                      | 200 MHz to 1000 MHz | Horizontal | dB   | 5.5                          |
|                      |                     | Vertical   | dB   | 5.5                          |
| 3 m                  | 1 GHz to 6 GHz      |            | dB   | 5.1                          |
|                      | 6 GHz to 18 GHz     |            | dB   | 5.4                          |
| 1 m                  | 10 GHz to 18 GHz    |            | dB   | 5.4                          |
|                      | 18 GHz to 26.5 GHz  |            | dB   | 5.3                          |
|                      | 26.5 GHz to 40 GHz  |            | dB   | 4.8                          |
| 0.5 m                | 26.5 GHz to 40 GHz  |            | dB   | 5.0                          |

#### Antenna Terminal Conducted

| Item                                                                | Unit   | Calculated Uncertainty (+/-) |
|---------------------------------------------------------------------|--------|------------------------------|
| Antenna terminated conducted emission / Power density / Burst power | dB     | 3.50                         |
| Adjacent channel power (ACP)                                        | dB     | 2.32                         |
| Bandwidth (OBW)                                                     | %      | 0.96                         |
| Time readout (time span upto 100 msec)                              | %      | 0.11                         |
| Time readout (time span upto 1000 msec)                             | %      | 0.11                         |
| Time readout (time span upto 60 sec)                                | %      | 0.02                         |
| Power measurement (Power meter < 8 GHz)                             | dB     | 1.43                         |
| Power measurement (Call box < 6 GHz)                                | dB     | 1.89                         |
| Frequency readout (Frequency counter)                               | ppm    | 0.67                         |
| Frequency readout (Spectrum analyzer frequency readout function)    | ppm    | 2.13                         |
| Temperature (constant temperature bath)                             | deg. C | 0.69                         |
| Humidity (constant temperature bath)                                | %RH    | 2.98                         |
| Modulation characteristics                                          | %      | 6.93                         |
| Frequency for mobile                                                | ppm    | 0.08                         |
| Contention-based protocol                                           | dB     | 2.97                         |

### 3.6 Test Location

UL Japan, Inc. Ise EMC Lab.

4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 Japan

Telephone: +81-596-24-8999

A2LA Certificate Number: 5107.02 / FCC Test Firm Registration Number: 884919

ISED Lab Company Number: 2973C / CAB identifier: JP0002

| Test site                         | Width x Depth x Height (m) | Size of reference ground plane (m) / horizontal conducting plane | Other rooms                 | Maximum measurement distance |
|-----------------------------------|----------------------------|------------------------------------------------------------------|-----------------------------|------------------------------|
| No.1 semi-anechoic chamber (SAC1) | 19.2 x 11.2 x 7.7          | 7.0 x 6.0                                                        | No.1 Power source room      | 10 m                         |
| No.2 semi-anechoic chamber (SAC2) | 7.5 x 5.8 x 5.2            | 4.0 x 4.0                                                        | -                           | 3 m                          |
| No.3 semi-anechoic chamber (SAC3) | 12.0 x 8.5 x 5.9           | 6.8 x 5.75                                                       | No.3 Preparation room (PR3) | 3 m                          |
| No.3 shielded room (SR3)          | 4.0 x 6.0 x 2.7            | N/A                                                              | -                           | -                            |
| No.4 semi-anechoic chamber (SAC4) | 12.0 x 8.5 x 5.9           | 6.8 x 5.75                                                       | No.4 Preparation room (PR4) | 3 m                          |
| No.4 shielded room (SR4)          | 4.0 x 6.0 x 2.7            | N/A                                                              | -                           | -                            |
| No.5 semi-anechoic chamber (SAC5) | 6.0 x 6.0 x 3.9            | 6.0 x 6.0                                                        | -                           | -                            |
| No.5 measurement room (MR5)       | 6.4 x 6.4 x 3.0            | 6.4 x 6.4                                                        | -                           | -                            |
| No.6 shielded room (SR6)          | 4.0 x 4.5 x 2.7            | 4.0 x 4.5                                                        | -                           | -                            |
| No.6 measurement room (MR6)       | 4.75 x 5.4 x 3.0           | 4.75 x 4.15                                                      | -                           | -                            |
| No.7 shielded room (SR7)          | 4.7 x 7.5 x 2.7            | 4.7 x 7.5                                                        | -                           | -                            |
| No.8 measurement room (MR8)       | 3.1 x 5.0 x 2.7            | 3.1 x 5.0                                                        | -                           | -                            |
| No.9 measurement room (MR9)       | 8.8 x 4.6 x 2.8            | 2.4 x 2.4                                                        | -                           | -                            |
| No.10 shielded room (SR10)        | 3.8 x 2.8 x 2.8            | 3.8 x 2.8                                                        | -                           | -                            |
| No.11 measurement room (MR11)     | 4.0 x 3.4 x 2.5            | N/A                                                              | -                           | -                            |
| No.12 measurement room (MR12)     | 2.6 x 3.4 x 2.5            | N/A                                                              | -                           | -                            |
| Large Chamber                     | 16.9 x 22.1 x 10.17        | 16.9 x 22.1                                                      | -                           | 10 m                         |
| Small Chamber                     | 5.3 x 6.69 x 3.59          | 5.3 x 6.69                                                       | -                           | -                            |

### 3.7 Test Data, Test Instruments, and Test Set Up

Refer to APPENDIX.

## SECTION 4: Operation of EUT during testing

### 4.1 Operating Mode(s)

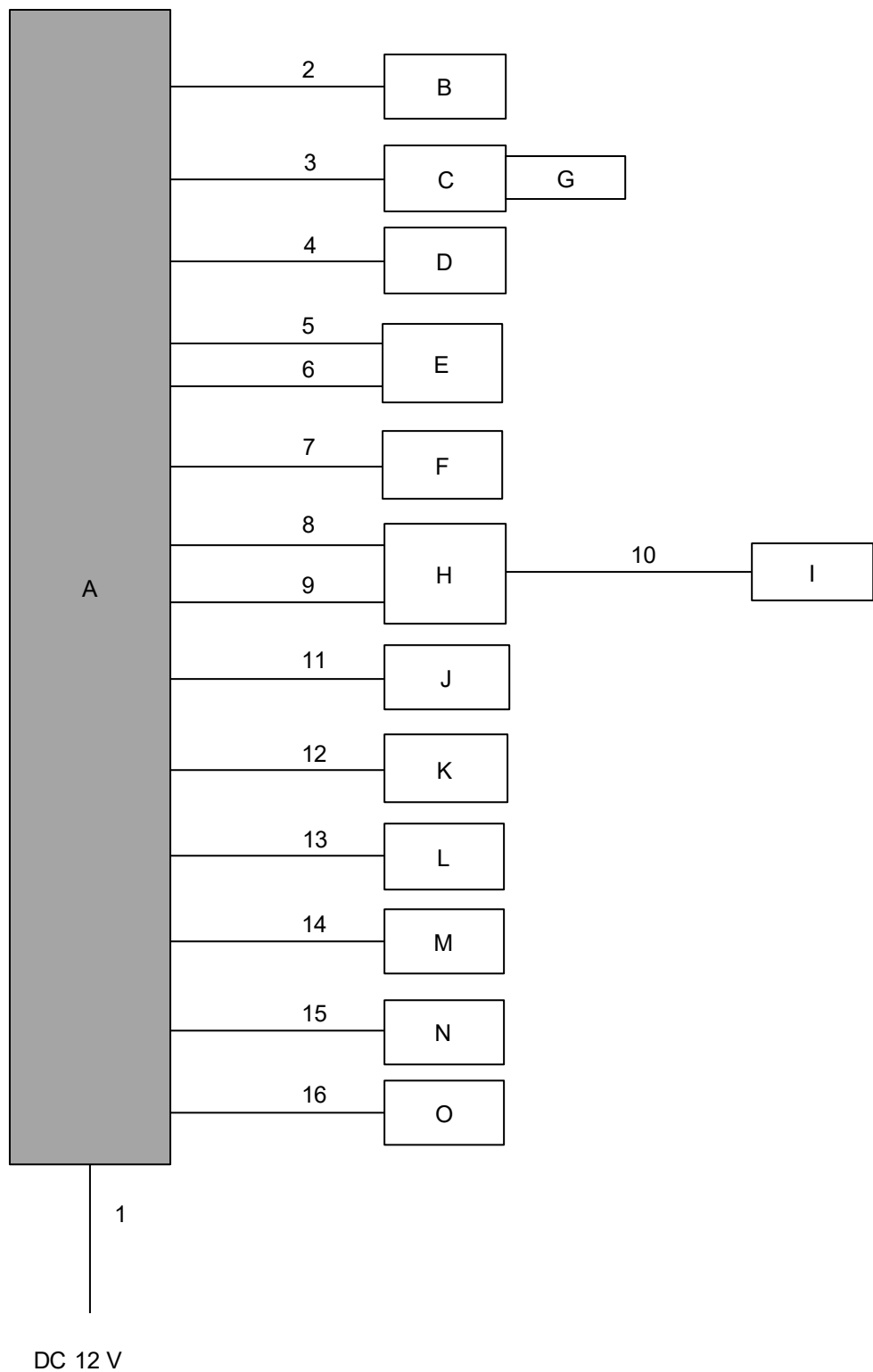
| Mode                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Remarks*                 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| Bluetooth (BT)                                                                                                                                                                                                                                                                                                                                                                                                                                          | BR / EDR, Payload: PRBS9 |
| <p>*EUT has the power settings by the software as follows;<br/> Power Setting: 9<br/> Software: Qualcomm Radio Control Toolkit Version: 4.0.209.0<br/> (Date: 2022.08.17, Storage location: Driven by connected PC)</p> <p>*This setting of software is the worst case.<br/> Any conditions under the normal use do not exceed the condition of setting.<br/> In addition, end users cannot change the settings of the output power of the product.</p> |                          |

#### Details of Operating Mode(s)

| Test Item                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Mode                                    | Hopping            | Tested Frequency                 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|--------------------|----------------------------------|
| Conducted Spurious Emission,<br>Radiated Spurious Emission (Below 1 GHz)                                                                                                                                                                                                                                                                                                                                                                                                                    | Tx DH5 *1)                              | Off                | 2402 MHz                         |
| Radiated Spurious Emission (Above 1 GHz),                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Tx DH5<br>Tx 3DH5                       | Off                | 2402 MHz<br>2441 MHz<br>2480 MHz |
| Carrier Frequency Separation                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Tx DH5<br>Tx 3DH5                       | On                 | 2402 MHz<br>2441 MHz<br>2480 MHz |
| 20 dB Bandwidth                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Tx DH5<br>Tx 3DH5                       | Off                | 2402 MHz<br>2441 MHz<br>2480 MHz |
| Number of Hopping Frequency                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Tx DH5<br>Tx 3DH5                       | On                 | -                                |
| Dwell time                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Tx DH1, DH3, DH5<br>Tx 3DH1, 3DH3, 3DH5 | On                 | -                                |
| Maximum Peak Output Power                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Tx DH5<br>Tx 2DH5<br>Tx 3DH5            | Off                | 2402 MHz<br>2441 MHz<br>2480 MHz |
| Band Edge Compliance<br>(Conducted)                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Tx DH5<br>Tx 3DH5                       | On<br>-----<br>Off | 2402 MHz<br>2480 MHz             |
| 99% Occupied Bandwidth                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Tx DH5<br>Tx 3DH5                       | On<br>-----<br>Off | 2402 MHz<br>2441 MHz<br>2480 MHz |
| <p>*As a result of preliminary test, the formal test was performed with the above modes, which had the maximum payload length (except Dwell time test)<br/> *2DH mode (2Mb/s EDR: pi/4DQPSK) was excluded for other tests than power measurement by using 3DH mode (3 Mb/s EDR: 8DPSK) as a representative.<br/> *It is considered that the non-tested packet type (e.g. inquiry) can be omitted as it is complied with above all the test items based on Bluetooth Core specification.</p> |                                         |                    |                                  |
| <p>*1) Spurious emissions for frequencies below 1 GHz were limited to the channel that had the highest power during the antenna terminal test, as preliminary testing indicated that changing the operating frequency had no significant impact on the emissions in those frequency bands.</p>                                                                                                                                                                                              |                                         |                    |                                  |

4.2 Configuration and Peripherals

For Radiated Spurious Emission



\* Cabling and setup(s) were taken into consideration and test data was taken under worse case conditions.

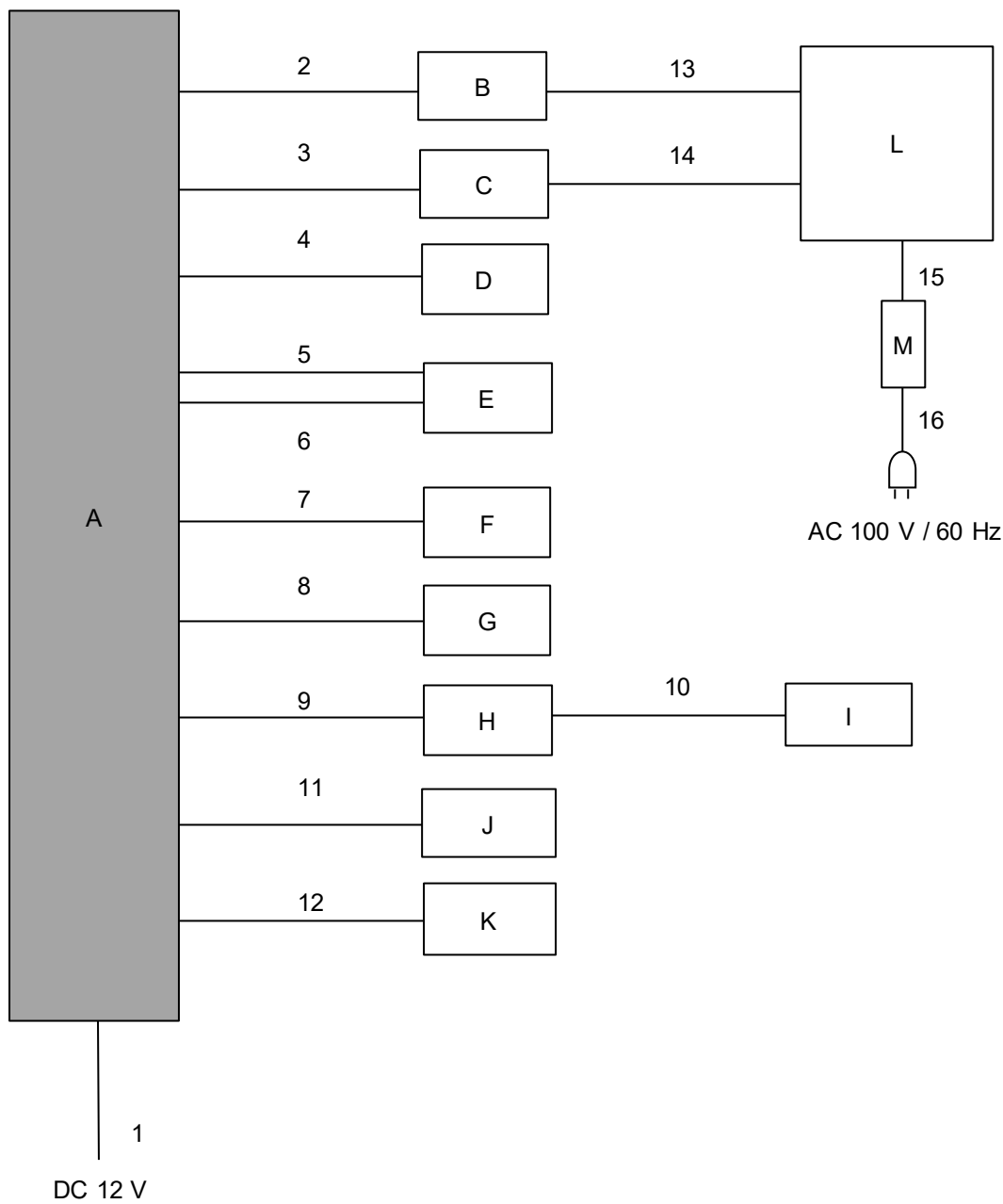
#### Description of EUT and Support Equipment

| No. | Item               | Model number     | Serial Number | Manufacturer      | Remarks |
|-----|--------------------|------------------|---------------|-------------------|---------|
| A   | Car Audio          | TN0052E          | AX600009      | DENSO TEN Limited | EUT     |
| B   | Jig Board          | -                | -             | -                 | -       |
| C   | USB Adapter        | DEP38-10029      | No.7          | KP                | -       |
| D   | Switch             | -                | -             | -                 | -       |
| E   | Meter              | 83800-4AL70      | No.12         | DENSO             | -       |
| F   | SF Antenna         | 86760-42110      | No.1          | Minebea Mitsumi   | -       |
| G   | USB Memory         | RUF3-K16GB       | P10416        | Buffalo Inc.      | -       |
| H   | I/F Conversion Box | 867B1-42010 3986 | No.23         | TOKAI RIKA        | -       |
| I   | BGM Camera         | 8679B-42010      | No.25         | KYOCERA           | -       |
| J   | MIC                | 86730-42130      | No.100        | KP                | -       |
| K   | MIC                | 86730-42130      | No.106        | KP                | -       |
| L   | Speaker            | -                | No.139        | -                 | -       |
| M   | Speaker            | -                | No.140        | -                 | -       |
| N   | Speaker            | -                | No.143        | -                 | -       |
| O   | Speaker            | -                | No.144        | -                 | -       |

#### List of Cables Used

| No. | Name             | Length (m) | Shield     |            | Remarks |
|-----|------------------|------------|------------|------------|---------|
|     |                  |            | Cable      | Connector  |         |
| 1   | DC Cable         | 4.0        | Unshielded | Unshielded | -       |
| 2   | Flat Cable       | 0.1        | Unshielded | Unshielded | -       |
| 3   | USB Cable        | 2.5        | Shielded   | Shielded   | -       |
| 4   | Signal Cable     | 2.5        | Unshielded | Unshielded | -       |
| 5   | Signal Cable     | 2.5        | Unshielded | Unshielded | -       |
| 6   | Signal Cable     | 2.5        | Unshielded | Unshielded | -       |
| 7   | SF Antenna Cable | 6.0        | Shielded   | Unshielded | -       |
| 8   | Signal Cable     | 1.0        | Unshielded | Unshielded | -       |
| 9   | Signal Cable     | 2.5        | Shielded   | Unshielded | -       |
| 10  | Camera Cable     | 1.5        | Shielded   | Shielded   | -       |
| 11  | MIC Cable        | 2.5        | Unshielded | Unshielded | -       |
| 12  | MIC Cable        | 2.5        | Unshielded | Unshielded | -       |
| 13  | Speaker Cable    | 3.0        | Unshielded | Unshielded | -       |
| 14  | Speaker Cable    | 3.0        | Unshielded | Unshielded | -       |
| 15  | Speaker Cable    | 3.0        | Unshielded | Unshielded | -       |
| 16  | Speaker Cable    | 3.0        | Unshielded | Unshielded | -       |

For Antenna Terminal Conducted Tests



\* Cabling and setup(s) were taken into consideration and test data was taken under worse case conditions.

#### Description of EUT and Support Equipment

| No. | Item               | Model number     | Serial Number     | Manufacturer      | Remarks |
|-----|--------------------|------------------|-------------------|-------------------|---------|
| A   | Car Audio          | TN0052E          | AX600020          | DENSO TEN Limited | EUT     |
| B   | Jig Board          | -                | -                 | -                 | -       |
| C   | USB Adapter        | DEP37-10176      | No.45             | KP                | -       |
| D   | Switch             | -                | -                 | -                 | -       |
| E   | Meter              | 83800-4AL70      | 457410-0021       | DENSO             | -       |
| F   | SF Antenna         | 86760-42110      | No.15             | Minebea Mitsumi   | -       |
| G   | Speaker Dummy      | -                | -                 | -                 | -       |
| H   | I/F Conversion Box | 867B1-42010 3986 | No.10             | TOKAI RIKA        | -       |
| I   | BGM Camera         | 8679B-42010      | No.5              | KYOCERA           | -       |
| J   | MIC                | 86730-42130      | No.86             | KP                | -       |
| K   | MIC                | 86730-42130      | No.87             | KP                | -       |
| L   | Laptop PC          | PR63PBAA337AD7X  | 6F053913H         | TOSHIBA           | -       |
| M   | AC Adapter         | PA51770-1ACA     | FX10800NSK<br>ACC | TOSHIBA           | -       |

#### List of Cables Used

| No. | Name             | Length (m) | Shield     |            | Remarks |
|-----|------------------|------------|------------|------------|---------|
|     |                  |            | Cable      | Connector  |         |
| 1   | DC Cable         | 2.0        | Unshielded | Unshielded | -       |
| 2   | Flat Cable       | 0.1        | Unshielded | Unshielded | -       |
| 3   | Signal Cable     | 2.5        | Unshielded | Unshielded | -       |
| 4   | Signal Cable     | 2.5        | Unshielded | Unshielded | -       |
| 5   | Signal Cable     | 2.5        | Unshielded | Unshielded | -       |
| 6   | USB Cable        | 1.5        | Shielded   | Shielded   | -       |
| 7   | SF Antenna Cable | 6.0        | Shielded   | Unshielded | -       |
| 8   | Speaker Cable    | 2.5        | Unshielded | Unshielded | -       |
| 9   | Signal Cable     | 2.5        | Shielded   | Unshielded | -       |
| 10  | Camera Cable     | 1.5        | Shielded   | Shielded   | -       |
| 11  | MIC Cable        | 2.5        | Unshielded | Unshielded | -       |
| 12  | MIC Cable        | 2.5        | Unshielded | Unshielded | -       |
| 13  | USB Cable        | 1.5        | Shielded   | Shielded   | -       |
| 14  | USB Cable        | 2.0        | Shielded   | Shielded   | -       |
| 15  | DC Cable         | 1.7        | Unshielded | Unshielded | -       |
| 16  | AC Cable         | 0.8        | Unshielded | Unshielded | -       |

## **SECTION 5: Radiated Spurious Emission**

### **Test Procedure**

[For below 1 GHz]

EUT was placed on the platform of nominal size, 1.0 m by 1.5 m, raised 0.8 m above the conducting ground plane. The Radiated Electric Field Strength has been measured in a Semi Anechoic Chamber with a ground plane.

[For above 1 GHz]

EUT was placed on the platform of nominal size, 0.5 m by 0.5 m, raised 1.5 m above the conducting ground plane. The Radiated Electric Field Strength has been measured in a Semi Anechoic Chamber with absorbent materials lined on a ground plane. Test antenna was aimed at the EUT for receiving the maximum signal and always kept within the illumination area of the 3 dB beamwidth of the antenna.

The height of the measuring antenna varied between 1 m and 4 m and EUT was rotated a full revolution in order to obtain the maximum value of the electric field strength.

The measurements were performed for both vertical and horizontal antenna polarization with the Test Receiver, or the Spectrum Analyzer.

The measurements were made with the following detector function of the test receiver and the Spectrum analyzer (in linear mode).

The test was made with the detector (RBW/VBW) in the following table.

When using Spectrum analyzer, the test was made with adjusting span to zero by using peak hold.

### **Test Antennas are used as below;**

|              |                   |                  |             |
|--------------|-------------------|------------------|-------------|
| Frequency    | 30 MHz to 200 MHz | 200 MHz to 1 GHz | Above 1 GHz |
| Antenna Type | Biconical         | Logperiodic      | Horn        |

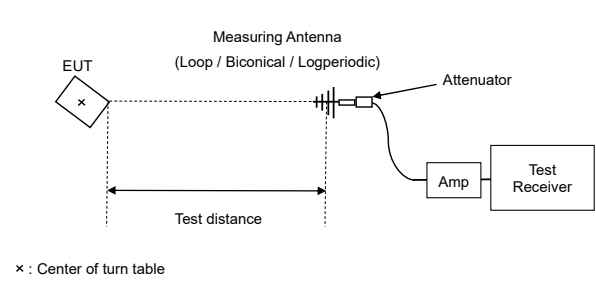
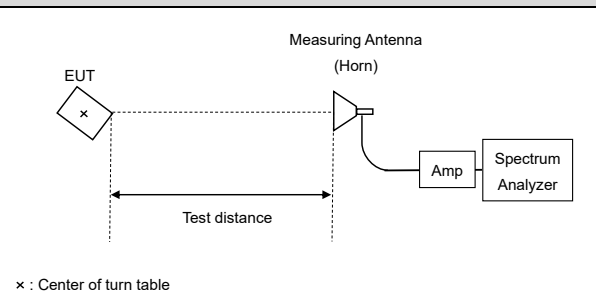
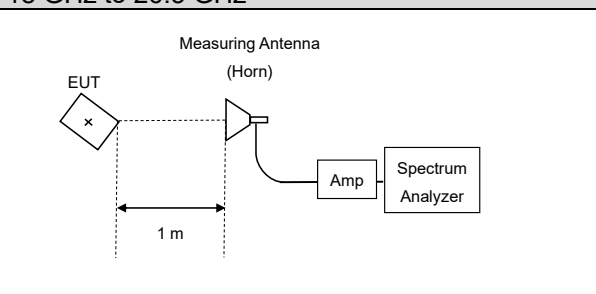
In any 100 kHz bandwidth outside the restricted band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator confirmed 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on a radiated measurement.

20 dBc was applied to the frequency over the limit of FCC 15.209 / Table 4 of RSS-Gen 8.9 (ISED) and outside the restricted band of FCC15.205 / Table 6 of RSS-Gen 8.10 (ISED).

It was measured with the settings below based on ANSI C63.10.

|                 |               |                          |                                                                                                                              |                              |
|-----------------|---------------|--------------------------|------------------------------------------------------------------------------------------------------------------------------|------------------------------|
| Frequency       | Below 1 GHz   | Above 1 GHz              |                                                                                                                              | 20 dBc                       |
| Instrument used | Test Receiver | Spectrum Analyzer        |                                                                                                                              | Spectrum Analyzer            |
| Detector        | QP            | PK                       | AV                                                                                                                           | PK                           |
| IF Bandwidth    | BW 120 kHz    | RBW: 1 MHz<br>VBW: 3 MHz | RBW: 1 MHz<br>VBW: 3 MHz<br>Detector:<br>Power Averaging (RMS)<br>Trace: 100 traces<br>Duty factor was added to the results. | RBW: 100 kHz<br>VBW: 300 kHz |

Figure 2: Test Setup

|                                                                                                                    |                                                                                                            |
|--------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| Below 1 GHz                                                                                                        |                                                                                                            |
|  <p>× : Center of turn table</p>  | Test Distance: 3 m                                                                                         |
| 1 GHz to 18 GHz                                                                                                    |                                                                                                            |
|  <p>× : Center of turn table</p>  | Test Distance: 3 m                                                                                         |
| 18 GHz to 26.5 GHz                                                                                                 |                                                                                                            |
|  <p>× : Center of turn table</p> | Distance Factor: $20 \times \log (1.0 \text{ m} / 3.0 \text{ m}) = -9.5 \text{ dB}$<br>*Test Distance: 1 m |

The test was made on EUT at the normal use position.

Test results are rounded off and limit are rounded down, so some differences might be observed.

Measurement Range : 30 MHz to 26.5 GHz  
Test Data : APPENDIX  
Test Result : Pass

## SECTION 6: Antenna Terminal Conducted Tests

### Test Procedure

The tests were made with below setting connected to the antenna port.

| Test                                             | Span                                           | RBW             | VBW                | Sweep time                                                     | Detector         | Trace       | Instrument Used                |
|--------------------------------------------------|------------------------------------------------|-----------------|--------------------|----------------------------------------------------------------|------------------|-------------|--------------------------------|
| 20 dB Bandwidth                                  | 3 MHz                                          | 30 kHz          | 100 kHz            | Auto                                                           | Peak             | Max Hold    | Spectrum Analyzer              |
| 99 % Occupied Bandwidth *1)                      | Enough width to display emission skirts        | 1 to 5 % of OBW | Three times of RBW | Auto                                                           | Peak             | Max Hold    | Spectrum Analyzer              |
| Maximum Peak Output Power                        | -                                              | -               | -                  | Auto                                                           | Peak/Average *2) | -           | Power Meter (Sensor: 50MHz BW) |
| Carrier Frequency Separation                     | 3 MHz                                          | 30 kHz          | 100 kHz            | Auto                                                           | Peak             | Max Hold    | Spectrum Analyzer              |
| Number of Hopping Frequency                      | 30 MHz                                         | 200 kHz         | 620 kHz            | Auto                                                           | Peak             | Max Hold    | Spectrum Analyzer              |
| Dwell Time                                       | Zero Span                                      | 100 kHz, 1 MHz  | 300 kHz, 3 MHz     | As necessary capture the entire dwell time per hopping channel | Peak             | Clear Write | Spectrum Analyzer              |
| Conducted Spurious Emission *3) *4)              | 9 kHz to 150 kHz                               | 200 Hz          | 620 Hz             | Auto                                                           | Peak             | Max Hold    | Spectrum Analyzer              |
|                                                  | 150 kHz to 30 MHz                              | 10 kHz          | 30 kHz             |                                                                |                  |             |                                |
|                                                  | 30 MHz to 25 GHz                               | 100 kHz         | 300 kHz            |                                                                |                  |             |                                |
| Conducted Spurious Emission Band Edge compliance | 2390 MHz to 2403 MHz<br>2479 MHz to 2493.5 MHz | 100 kHz         | 300 kHz            | Auto                                                           | Peak             | Max Hold    | Spectrum Analyzer              |

\*1) Peak hold was applied as Worst-case measurement.

\*2) Reference data

\*3) In the frequency range below 30MHz, RBW was narrowed to separate the noise contents.

Then, wide-band noise near the limit was checked separately, however the noise was not detected as shown in the chart.

(9 kHz -150 kHz: RBW = 200 Hz, 150 kHz - 30 MHz: RBW = 10 kHz)

\*4) The limits in CFR 47, Part 15, Subpart C, paragraph 15.209(a), are identical to those in RSS-Gen section 8.9, Table 6, since the measurements are performed in terms of magnetic field strength and converted to electric field strength levels (as reported in the table) using the free space impedance of 377 Ohms. For example, the measurement at frequency 9 kHz resulted in a level of 45.5 dBuV/m, which is equivalent to  $45.5 - 51.5 = -6.0$  dBuA/m, which has the same margin, 3 dB, to the corresponding RSS-Gen Table 6 limit as it has to 15.209(a) limit.

Test results are rounded off and limit are rounded down, so some differences might be observed.

The equipment and cables were not used for factor 0 dB of the data sheets.

Test Data : APPENDIX  
Test Result : Pass

## APPENDIX 1: Test data

### 20 dB Bandwidth, 99 % Occupied Bandwidth and Carrier Frequency Separation

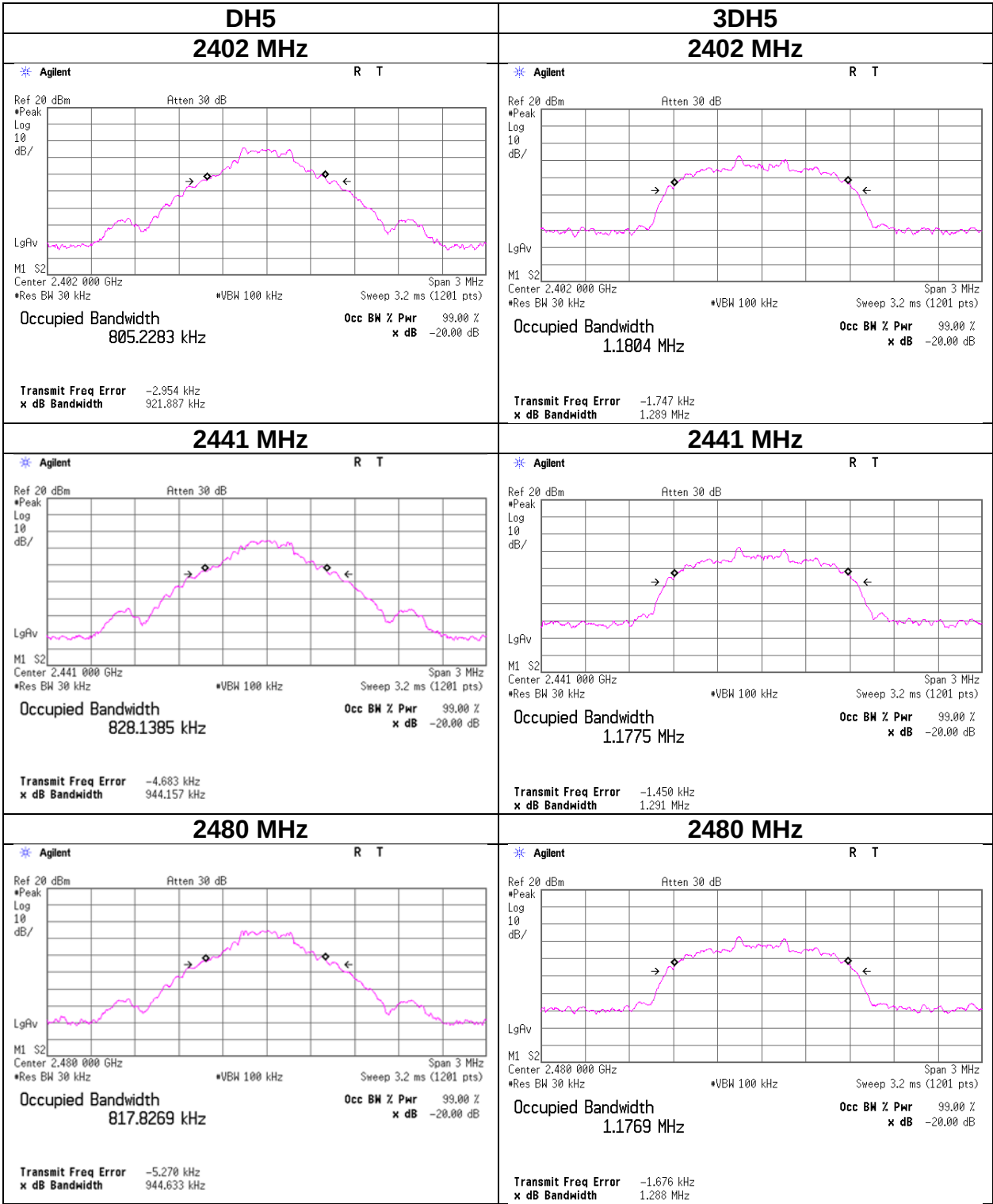
|               |                  |             |          |                 |
|---------------|------------------|-------------|----------|-----------------|
| Mode          | Hopping On / Off |             |          |                 |
| Date          | Test site        | Temperature | Humidity | Engineer        |
| March 3, 2026 | MR11             | 21 deg. C   | 47 % RH  | Wataru Toriyama |

| Mode | Freq.<br>[MHz] | 20 dB Bandwidth<br>[MHz] | 99 % Occupied<br>Bandwidth<br>[kHz] | Carrier Frequency<br>Separation<br>[MHz] | Limit for Carrier<br>Frequency separation<br>[MHz] |
|------|----------------|--------------------------|-------------------------------------|------------------------------------------|----------------------------------------------------|
| DH5  | 2402.0         | 0.922                    | 805.228                             | 1.000                                    | >= 0.615                                           |
| DH5  | 2441.0         | 0.944                    | <b>828.139</b>                      | 1.000                                    | >= 0.629                                           |
| DH5  | 2480.0         | 0.945                    | 817.827                             | 1.000                                    | >= 0.630                                           |
| DH5  | Hopping On     | -                        | 78640.500                           | -                                        | -                                                  |
| 3DH5 | 2402.0         | 1.289                    | <b>1180.400</b>                     | 1.000                                    | >= 0.859                                           |
| 3DH5 | 2441.0         | 1.291                    | 1177.500                            | 1.000                                    | >= 0.861                                           |
| 3DH5 | 2480.0         | 1.288                    | 1176.900                            | 1.000                                    | >= 0.859                                           |
| 3DH5 | Hopping On     | -                        | 78783.900                           | -                                        | -                                                  |

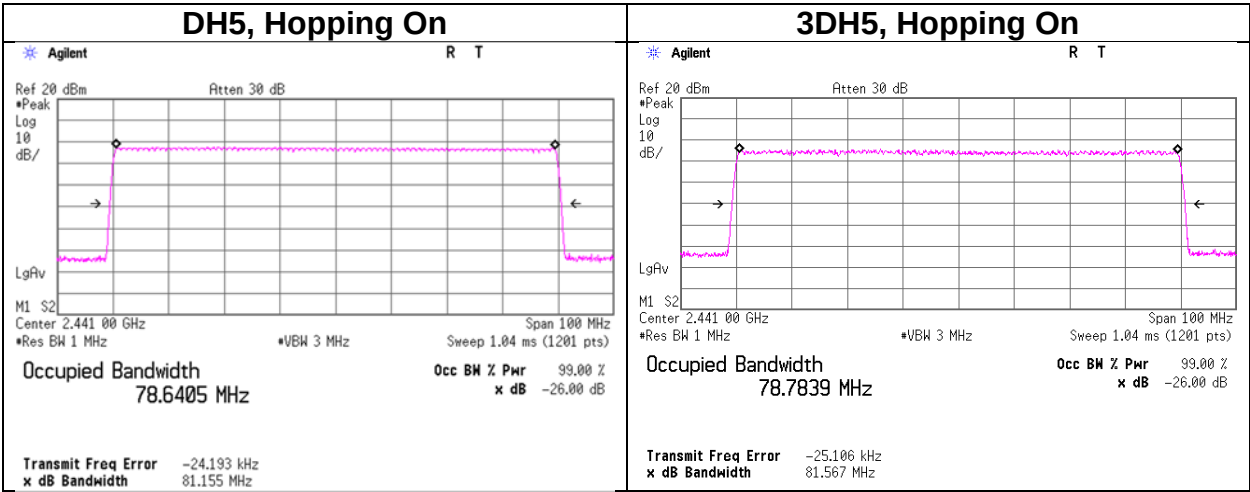
Limit: Two-thirds of 20 dB Bandwidth or 25 kHz (whichever is greater).

No limit applies to 20 dB Bandwidth.

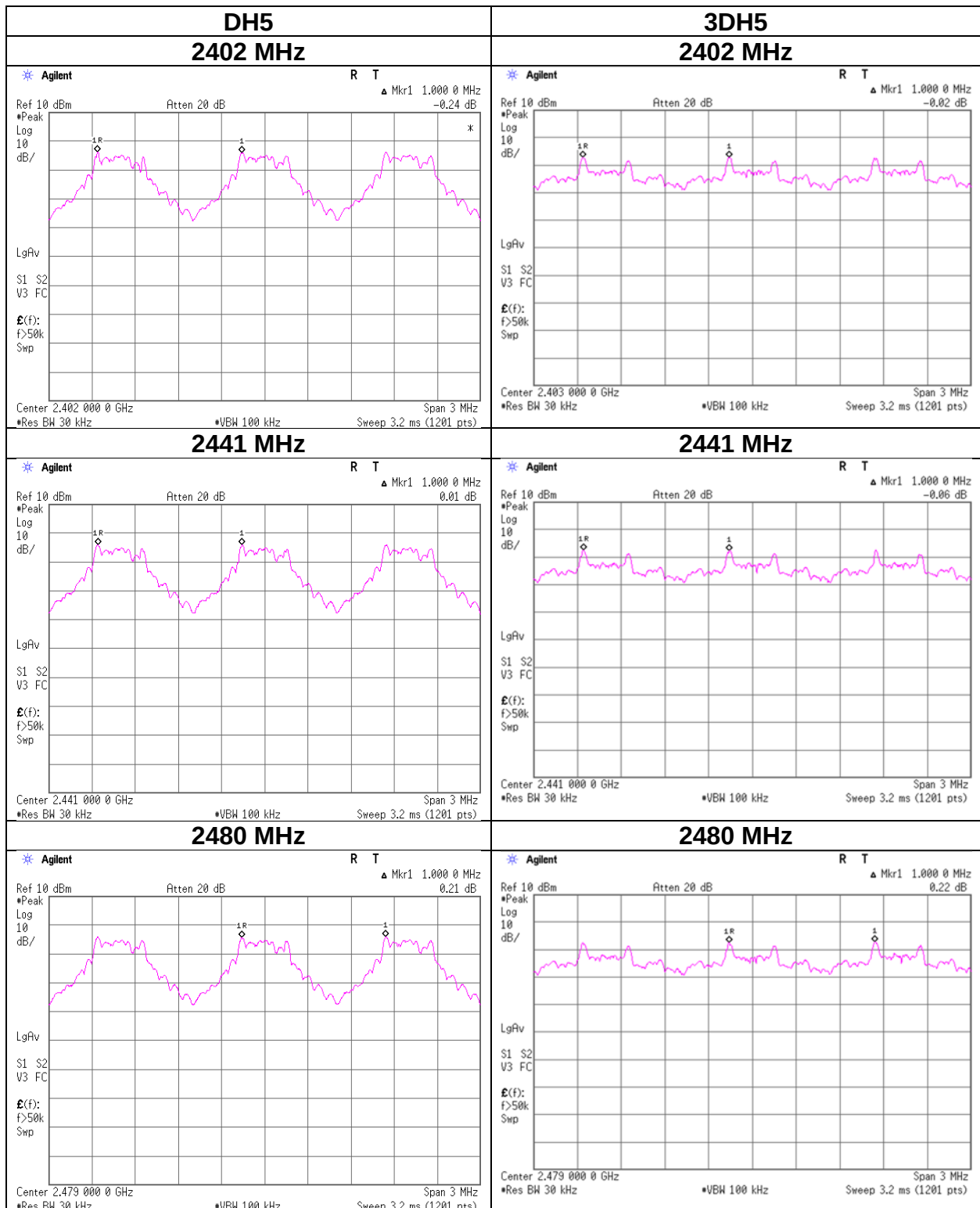
**20 dB Bandwidth and 99 % Occupied Bandwidth**



20 dB Bandwidth and 99 % Occupied Bandwidth



## Carrier Frequency Separation



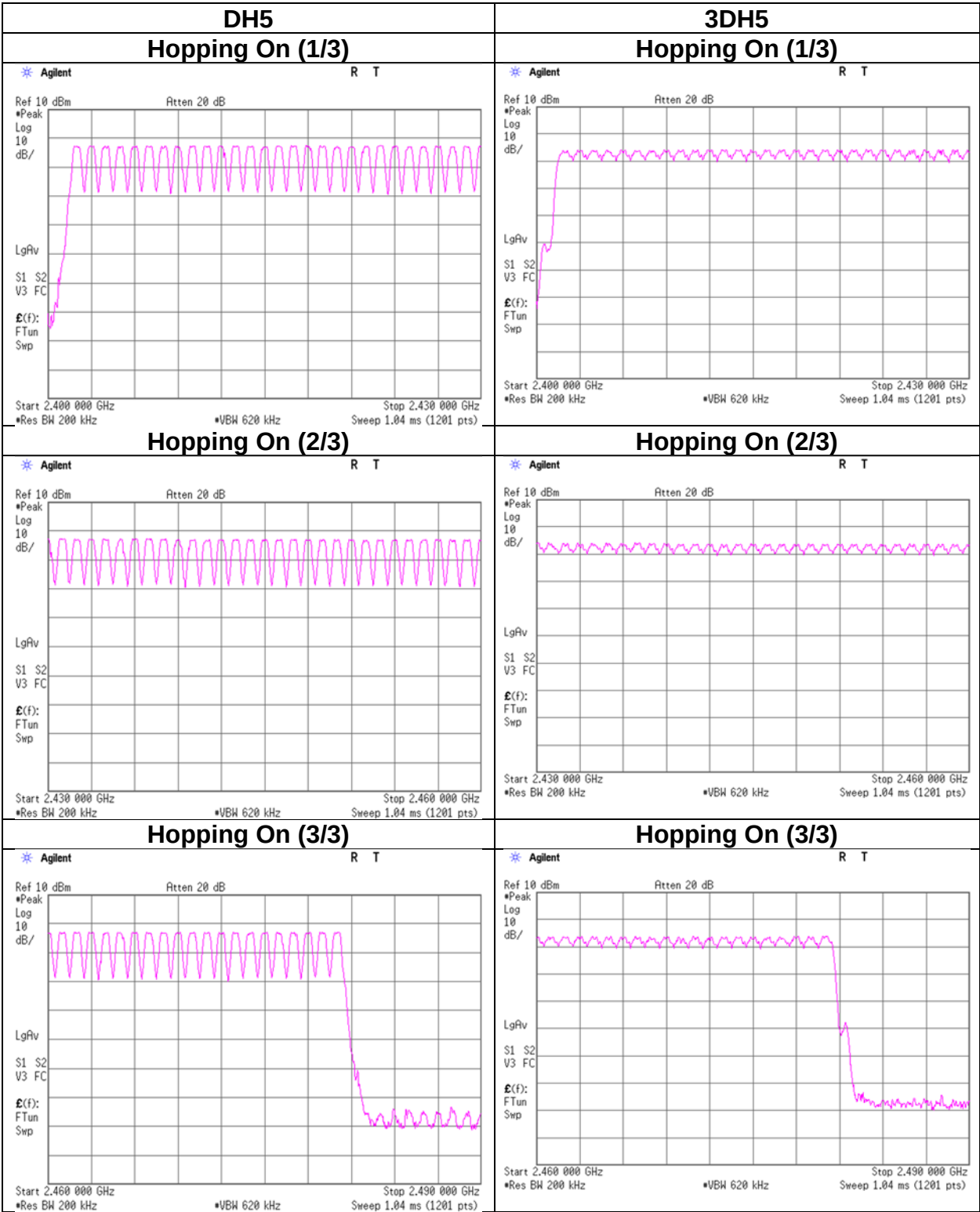
### Number of Hopping Frequency

|               |                |             |          |                 |
|---------------|----------------|-------------|----------|-----------------|
| Mode          | Tx, Hopping On |             |          |                 |
| Date          | Test site      | Temperature | Humidity | Engineer        |
| March 2, 2026 | MR11           | 21 deg. C   | 45 % RH  | Wataru Toriyama |

| Mode | Number of channel<br>[channels] | Limit<br>[channels] |
|------|---------------------------------|---------------------|
| DH5  | 79                              | >= 15               |
| 3DH5 | 79                              | >= 15               |

Test was not performed at AFH mode whose number of hopping channel is 20 channels because this Bluetooth radio is in compliance of Bluetooth Specification.

Number of Hopping Frequency



## Dwell time

|      |                |
|------|----------------|
| Mode | Tx, Hopping On |
|------|----------------|

|               |           |             |          |                 |
|---------------|-----------|-------------|----------|-----------------|
| Date          | Test site | Temperature | Humidity | Engineer        |
| March 4, 2026 | MR11      | 20 deg. C   | 45 % RH  | Wataru Toriyama |

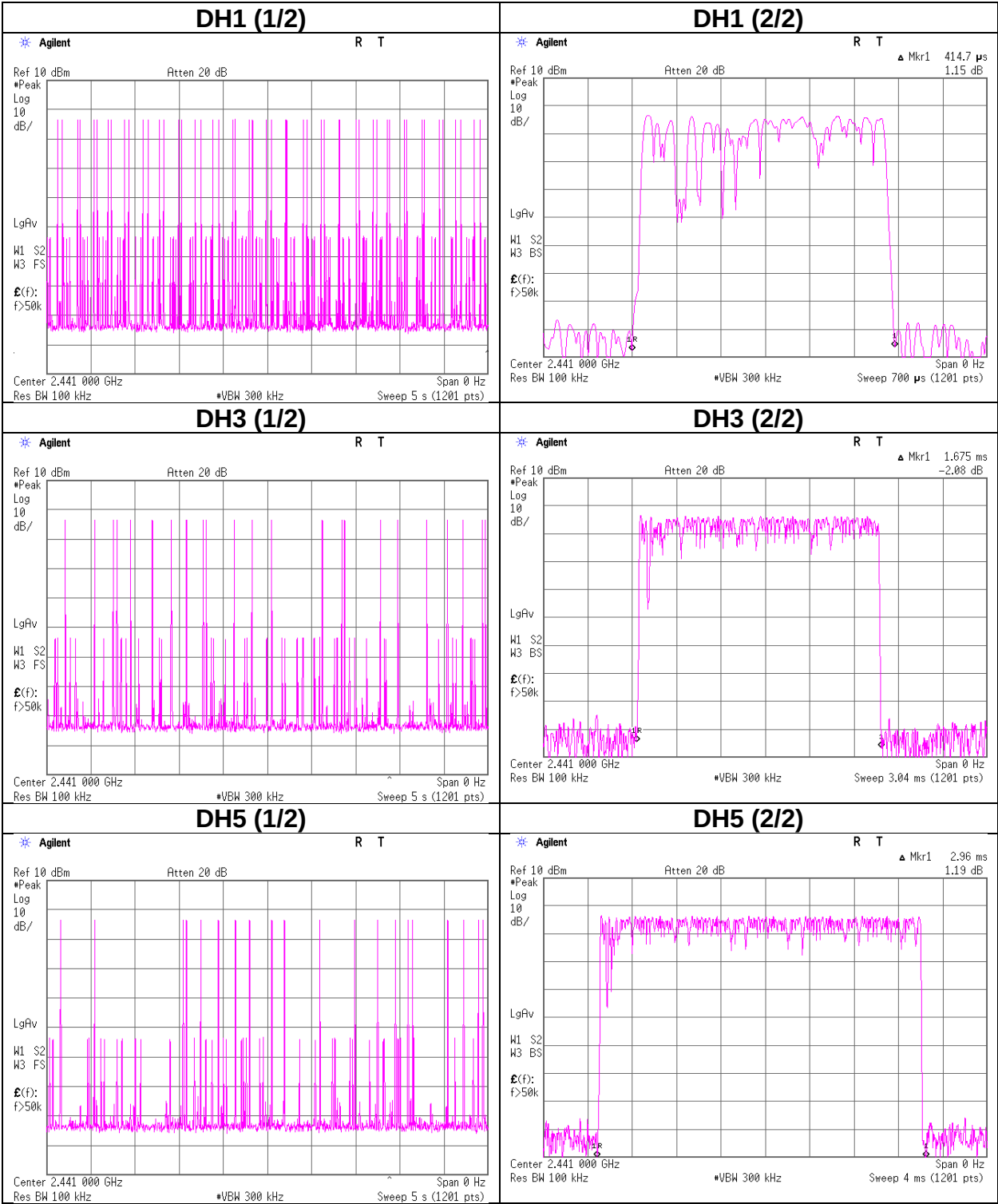
| Mode | Dwell time per hop [ms] | Number of hops in a 5.0 second period | Average number of hops in a 31.6 (79 Hopping x 0.4) second period | Result [ms] | Limit [ms] |
|------|-------------------------|---------------------------------------|-------------------------------------------------------------------|-------------|------------|
| DH1  | 0.415                   | 50                                    | 50.0 [times] / 5.0 [s] x 31.6 [s] = 316                           | 131         | 400        |
| DH3  | 1.675                   | 23                                    | 23.0 [times] / 5.0 [s] x 31.6 [s] = 146                           | 244         | 400        |
| DH5  | 2.960                   | 20                                    | 20.0 [times] / 5.0 [s] x 31.6 [s] = 127                           | 376         | 400        |
| 3DH1 | 0.429                   | 50                                    | 50.0 [times] / 5.0 [s] x 31.6 [s] = 316                           | 136         | 400        |
| 3DH3 | 1.710                   | 25                                    | 25.0 [times] / 5.0 [s] x 31.6 [s] = 158                           | 270         | 400        |
| 3DH5 | 2.930                   | 19                                    | 19.0 [times] / 5.0 [s] x 31.6 [s] = 121                           | 355         | 400        |

Sample Calculation

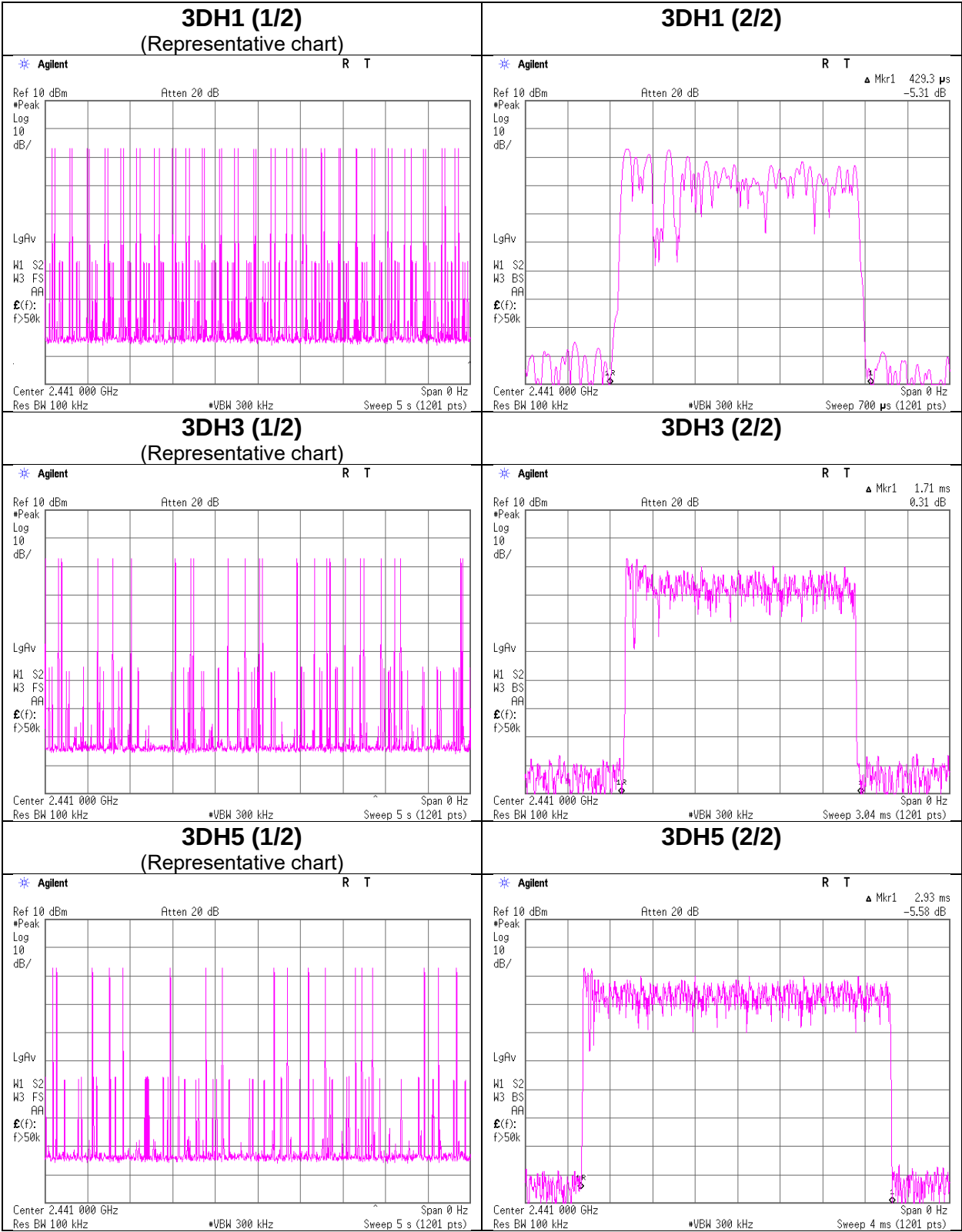
Result = Dwell time per hop x Average number of hops in a 31.6 (79 Hopping x 0.4) second period

\*Also compliance with the requirements for minimum number of channels(20 hops) made by Bluetooth AFH Specification.

Dwell time



Dwell time



## Maximum Peak Output Power

|      |                 |
|------|-----------------|
| Mode | Tx, Hopping Off |
|------|-----------------|

|                   |           |             |          |                 |
|-------------------|-----------|-------------|----------|-----------------|
| Date              | Test site | Temperature | Humidity | Engineer        |
| February 27, 2026 | MR11      | 24 deg. C   | 43 % RH  | Wataru Toriyama |

| Mode | Freq.  | Reading | Cable Loss | Atten. Loss | Conducted Power |      |       |      |        | e.i.r.p. for RSS-247 |        |       |       |      |        |       |
|------|--------|---------|------------|-------------|-----------------|------|-------|------|--------|----------------------|--------|-------|-------|------|--------|-------|
|      |        |         |            |             | Result          |      | Limit |      | Margin | Antenna Gain         | Result |       | Limit |      | Margin |       |
|      |        |         |            |             | [dBm]           | [mW] | [dBm] | [mW] |        |                      | [dB]   | [dBi] | [dBm] | [mW] |        | [dBm] |
| DH5  | 2402.0 | -2.84   | 2.16       | 9.68        | 9.00            | 7.94 | 20.96 | 125  | 11.96  | -0.95                | 8.05   | 6.38  | 36.02 | 4000 | 27.97  |       |
| DH5  | 2441.0 | -3.15   | 2.17       | 9.68        | 8.70            | 7.41 | 20.96 | 125  | 12.26  | -0.95                | 7.75   | 5.96  | 36.02 | 4000 | 28.27  |       |
| DH5  | 2480.0 | -3.20   | 2.18       | 9.68        | 8.66            | 7.35 | 20.96 | 125  | 12.30  | -0.95                | 7.71   | 5.90  | 36.02 | 4000 | 28.31  |       |
| 2DH5 | 2402.0 | -4.79   | 2.16       | 9.68        | 7.05            | 5.07 | 20.96 | 125  | 13.91  | -0.95                | 6.10   | 4.07  | 36.02 | 4000 | 29.92  |       |
| 2DH5 | 2441.0 | -4.53   | 2.17       | 9.68        | 7.32            | 5.40 | 20.96 | 125  | 13.64  | -0.95                | 6.37   | 4.34  | 36.02 | 4000 | 29.65  |       |
| 2DH5 | 2480.0 | -4.60   | 2.18       | 9.68        | 7.26            | 5.32 | 20.96 | 125  | 13.70  | -0.95                | 6.31   | 4.28  | 36.02 | 4000 | 29.71  |       |
| 3DH5 | 2402.0 | -3.98   | 2.16       | 9.68        | 7.86            | 6.11 | 20.96 | 125  | 13.10  | -0.95                | 6.91   | 4.91  | 36.02 | 4000 | 29.11  |       |
| 3DH5 | 2441.0 | -4.38   | 2.17       | 9.68        | 7.47            | 5.58 | 20.96 | 125  | 13.49  | -0.95                | 6.52   | 4.49  | 36.02 | 4000 | 29.50  |       |
| 3DH5 | 2480.0 | -4.24   | 2.18       | 9.68        | 7.62            | 5.78 | 20.96 | 125  | 13.34  | -0.95                | 6.67   | 4.65  | 36.02 | 4000 | 29.35  |       |

Sample Calculation:

Result = Reading + Cable Loss (including the cable(s) customer supplied) + Attenuator Loss

e.i.r.p. Result = Conducted Power Result + Antenna Gain

Test was not performed at AFH mode, because the decrease of number of channel (min: 20 ch) at AFH mode does not influence on the output power and bandwidth of the EUT.

As this device had AFH mode and frequency separation could not meet the requirement of over 20 dB BW without 2/3 relaxation, 125 mW power limit was applied to it.

### Average Output Power (Reference data for RF Exposure)

|      |                 |  |  |  |
|------|-----------------|--|--|--|
| Mode | Tx, Hopping Off |  |  |  |
|------|-----------------|--|--|--|

|                   |           |             |          |                 |
|-------------------|-----------|-------------|----------|-----------------|
| Date              | Test site | Temperature | Humidity | Engineer        |
| February 27, 2026 | MR11      | 24 deg. C   | 43 % RH  | Wataru Toriyama |

| Mode | Freq.<br>[MHz] | Reading<br>[dBm] | Cable<br>Loss<br>[dB] | Atten.<br>Loss<br>[dB] | Result<br>(Burst power average) |             |
|------|----------------|------------------|-----------------------|------------------------|---------------------------------|-------------|
|      |                |                  |                       |                        | [dBm]                           | [mW]        |
| DH5  | 2402.0         | -3.07            | 2.16                  | 9.68                   | <b>8.77</b>                     | <b>7.53</b> |
| DH5  | 2441.0         | -3.35            | 2.17                  | 9.68                   | 8.50                            | 7.08        |
| DH5  | 2480.0         | -3.37            | 2.18                  | 9.68                   | 8.49                            | 7.06        |
| 2DH5 | 2402.0         | -7.02            | 2.16                  | 9.68                   | <b>4.82</b>                     | <b>3.03</b> |
| 2DH5 | 2441.0         | -7.38            | 2.17                  | 9.68                   | 4.47                            | 2.80        |
| 2DH5 | 2480.0         | -7.09            | 2.18                  | 9.68                   | 4.77                            | 3.00        |
| 3DH5 | 2402.0         | -7.01            | 2.16                  | 9.68                   | <b>4.83</b>                     | <b>3.04</b> |
| 3DH5 | 2441.0         | -7.37            | 2.17                  | 9.68                   | 4.48                            | 2.81        |
| 3DH5 | 2480.0         | -7.08            | 2.18                  | 9.68                   | 4.78                            | 3.01        |

Sample Calculation:

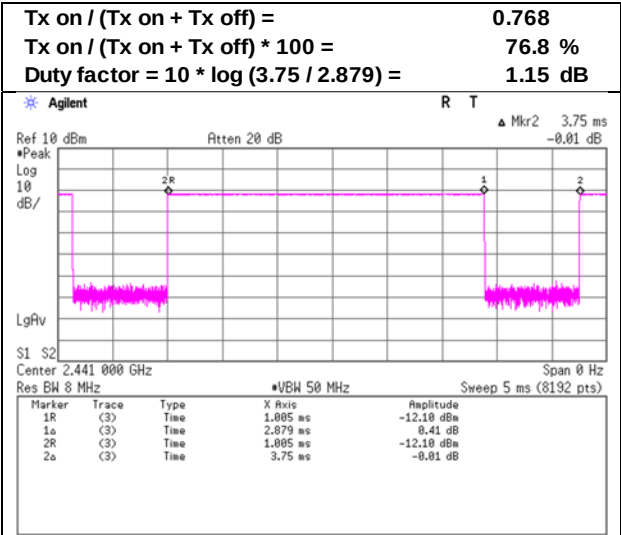
Result (Burst power average) = Reading + Cable Loss (including the cable(s

\*The equipment and cables were not used for factor 0 dB of the data sheets.

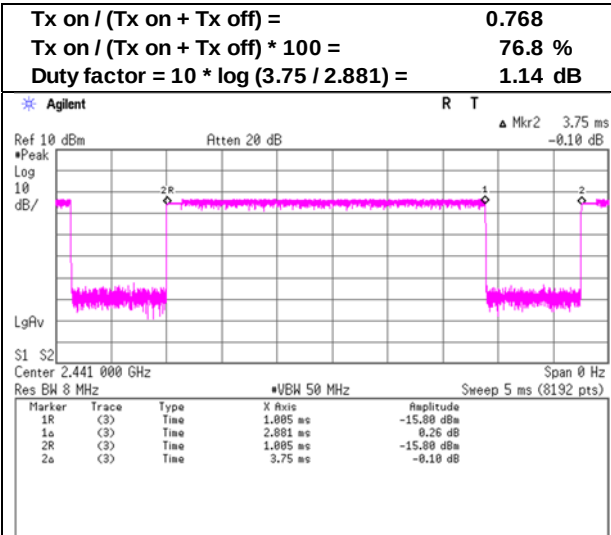
**Burst Rate Confirmation**

|                   |                 |             |          |                |
|-------------------|-----------------|-------------|----------|----------------|
| Mode              | Tx, Hopping Off |             |          |                |
| Date              | Test site       | Temperature | Humidity | Engineer       |
| February 25, 2026 | SAC4            | 20 deg. C   | 65 % RH  | Nachi Konegawa |

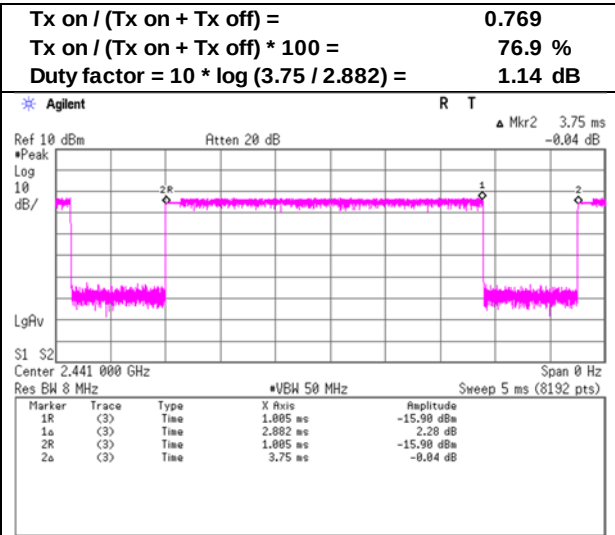
**DH5**



**2DH5**



**3DH5**



## Radiated Spurious Emission

|      |                                |
|------|--------------------------------|
| Mode | Tx, Hopping Off, DH5, 2402 MHz |
|------|--------------------------------|

| Date              | Test site | Temperature | Humidity | Engineer          | Measurement Range |
|-------------------|-----------|-------------|----------|-------------------|-------------------|
| February 26, 2026 | SAC4      | 20 deg. C   | 60 % RH  | Junya Okuno       | 1 GHz to 10 GHz   |
| February 27, 2026 | SAC4      | 22 deg. C   | 51 % RH  | Nachi Konegawa    | 10 GHz to 18 GHz  |
| March 1, 2026     | SAC4      | 20 deg. C   | 50 % RH  | Kiyoshiro Okazaki | Above 18 GHz      |
| March 1, 2026     | SAC4      | 20 deg. C   | 50 % RH  | Shousei Hamaguchi | Below 1 GHz       |

| Polarity    | Frequency | Reading<br>(QP / PK) | Reading<br>(AV) | Ant.<br>Factor | Loss | Gain | Duty<br>Factor | Result<br>(QP / PK) | Result<br>(AV) | Limit<br>(QP / PK) | Limit<br>(AV) | Margin<br>(QP / PK) | Margin<br>(AV) | Remark      |
|-------------|-----------|----------------------|-----------------|----------------|------|------|----------------|---------------------|----------------|--------------------|---------------|---------------------|----------------|-------------|
| [Hori/Vert] | [MHz]     | [dBuV]               | [dBuV]          | [dB/m]         | [dB] | [dB] | [dB]           | [dBuV/m]            | [dBuV/m]       | [dBuV/m]           | [dBuV/m]      | [dB]                | [dB]           |             |
| Hori.       | 72.1      | 34.7                 | -               | 6.4            | 7.6  | 32.1 | -              | 16.6                | -              | 40.0               | -             | 23.4                | -              |             |
| Hori.       | 255.7     | 36.5                 | -               | 11.9           | 9.2  | 32.0 | -              | 25.6                | -              | 46.0               | -             | 20.4                | -              |             |
| Hori.       | 594.3     | 31.8                 | -               | 19.0           | 10.9 | 32.3 | -              | 29.4                | -              | 46.0               | -             | 16.6                | -              |             |
| Hori.       | 792.4     | 30.5                 | -               | 20.5           | 11.8 | 31.8 | -              | 30.9                | -              | 46.0               | -             | 15.1                | -              |             |
| Hori.       | 838.6     | 33.9                 | -               | 21.0           | 11.9 | 31.5 | -              | 35.3                | -              | 46.0               | -             | 10.7                | -              |             |
| Hori.       | 990.5     | 32.4                 | -               | 22.1           | 12.6 | 30.6 | -              | 36.5                | -              | 53.9               | -             | 17.4                | -              |             |
| Hori.       | 1584.9    | 56.7                 | 41.6            | 24.9           | 2.4  | 33.3 | -              | 50.8                | 35.6           | 73.9               | 53.9          | 23.1                | 18.3           |             |
| Hori.       | 2354.0    | 47.0                 | 39.8            | 27.9           | 2.9  | 32.0 | 1.2            | 45.9                | 39.8           | 73.9               | 53.9          | 28.0                | 14.1           | *2)         |
| Hori.       | 2390.0    | 46.1                 | 36.0            | 27.8           | 3.0  | 31.9 | 1.2            | 45.0                | 36.0           | 73.9               | 53.9          | 28.9                | 17.9           | *1)         |
| Hori.       | 2527.1    | 49.6                 | 44.7            | 27.8           | 3.0  | 31.9 | -              | 48.6                | 43.6           | 73.9               | 53.9          | 25.3                | 10.3           |             |
| Hori.       | 2818.6    | 46.7                 | 38.9            | 28.5           | 3.2  | 31.7 | -              | 46.7                | 38.9           | 73.9               | 53.9          | 27.2                | 15.0           |             |
| Hori.       | 4804.0    | 42.5                 | 32.7            | 31.5           | 5.1  | 30.9 | 1.2            | 48.1                | 39.5           | 73.9               | 53.9          | 25.8                | 14.4           | *2)         |
| Hori.       | 5000.0    | 43.4                 | 34.6            | 31.7           | 5.2  | 30.8 | -              | 49.5                | 40.7           | 73.9               | 53.9          | 24.4                | 13.2           |             |
| Hori.       | 6339.5    | 44.1                 | 33.9            | 33.6           | 5.7  | 31.5 | -              | 51.8                | 41.7           | 73.9               | 53.9          | 22.1                | 12.3           |             |
| Hori.       | 7206.0    | 43.3                 | 34.0            | 36.3           | 6.2  | 32.2 | -              | 53.6                | 44.2           | 73.9               | 53.9          | 20.3                | 9.7            | Floor noise |
| Hori.       | 9608.0    | 42.6                 | 33.2            | 38.1           | 7.0  | 32.4 | -              | 55.3                | 45.9           | 73.9               | 53.9          | 18.6                | 8.0            | Floor noise |
| Vert.       | 72.3      | 31.0                 | -               | 6.4            | 7.6  | 32.1 | -              | 12.9                | -              | 40.0               | -             | 27.1                | -              |             |
| Vert.       | 255.7     | 33.8                 | -               | 11.9           | 9.2  | 32.0 | -              | 22.9                | -              | 46.0               | -             | 23.1                | -              |             |
| Vert.       | 594.3     | 37.5                 | -               | 19.0           | 10.9 | 32.3 | -              | 35.1                | -              | 46.0               | -             | 10.9                | -              |             |
| Vert.       | 792.4     | 31.8                 | -               | 20.5           | 11.8 | 31.8 | -              | 32.2                | -              | 46.0               | -             | 13.8                | -              |             |
| Vert.       | 838.6     | 32.5                 | -               | 21.0           | 11.9 | 31.5 | -              | 33.9                | -              | 46.0               | -             | 12.1                | -              |             |
| Vert.       | 990.5     | 34.1                 | -               | 22.1           | 12.6 | 30.6 | -              | 38.2                | -              | 53.9               | -             | 15.7                | -              |             |
| Vert.       | 1584.9    | 58.7                 | 44.5            | 24.9           | 2.4  | 33.3 | -              | 52.7                | 38.6           | 73.9               | 53.9          | 21.2                | 15.3           |             |
| Vert.       | 2354.0    | 46.8                 | 40.0            | 27.9           | 2.9  | 32.0 | 1.2            | 45.7                | 40.0           | 73.9               | 53.9          | 28.3                | 13.9           | *2)         |
| Vert.       | 2390.0    | 47.0                 | 35.6            | 27.8           | 3.0  | 31.9 | 1.2            | 45.8                | 35.6           | 73.9               | 53.9          | 28.1                | 18.3           | *1)         |
| Vert.       | 2527.1    | 48.7                 | 44.2            | 27.8           | 3.0  | 31.9 | -              | 47.7                | 43.2           | 73.9               | 53.9          | 26.3                | 10.7           |             |
| Vert.       | 2818.6    | 44.9                 | 38.4            | 28.5           | 3.2  | 31.7 | -              | 44.9                | 38.4           | 73.9               | 53.9          | 29.0                | 15.5           |             |
| Vert.       | 4804.0    | 43.7                 | 35.2            | 31.5           | 5.1  | 30.9 | 1.2            | 49.4                | 42.0           | 73.9               | 53.9          | 24.5                | 11.9           | *2)         |
| Vert.       | 5000.0    | 44.1                 | 36.3            | 31.7           | 5.2  | 30.8 | -              | 50.2                | 42.4           | 73.9               | 53.9          | 23.7                | 11.5           |             |
| Vert.       | 6339.5    | 44.5                 | 37.2            | 33.6           | 5.7  | 31.5 | -              | 52.3                | 44.9           | 73.9               | 53.9          | 21.7                | 9.0            |             |
| Vert.       | 7206.0    | 43.3                 | 34.0            | 36.3           | 6.2  | 32.2 | -              | 53.6                | 44.3           | 73.9               | 53.9          | 20.4                | 9.6            | Floor noise |
| Vert.       | 9608.0    | 42.5                 | 33.3            | 38.1           | 7.0  | 32.4 | -              | 55.2                | 46.0           | 73.9               | 53.9          | 18.7                | 7.9            | Floor noise |

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 18 GHz)) - Gain(Amplifier)

Result (AV)= Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 18 GHz)) - Gain(Amplifier) + Duty factor

\*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

\*QP detector was used up to 1GHz.

\*1) Not Out of Band emission(Leakage Power)

\*2) Noise synchronized with duty of carrier frequency

### 20dBc Data Sheet

| Polarity    | Frequency | Reading<br>(PK) | Ant<br>Factor | Loss | Gain | Result   | Limit    | Margin | Remark  |
|-------------|-----------|-----------------|---------------|------|------|----------|----------|--------|---------|
| [Hori/Vert] | [MHz]     | [dBuV]          | [dB/m]        | [dB] | [dB] | [dBuV/m] | [dBuV/m] | [dB]   |         |
| Hori.       | 2402.0    | 104.2           | 27.8          | 3.0  | 31.9 | 103.1    | -        | -      | Carrier |
| Hori.       | 2400.0    | 47.2            | 27.8          | 3.0  | 31.9 | 46.0     | 83.1     | 37.0   |         |
| Vert.       | 2402.0    | 104.8           | 27.8          | 3.0  | 31.9 | 103.7    | -        | -      | Carrier |
| Vert.       | 2400.0    | 46.9            | 27.8          | 3.0  | 31.9 | 45.8     | 83.7     | 37.9   |         |

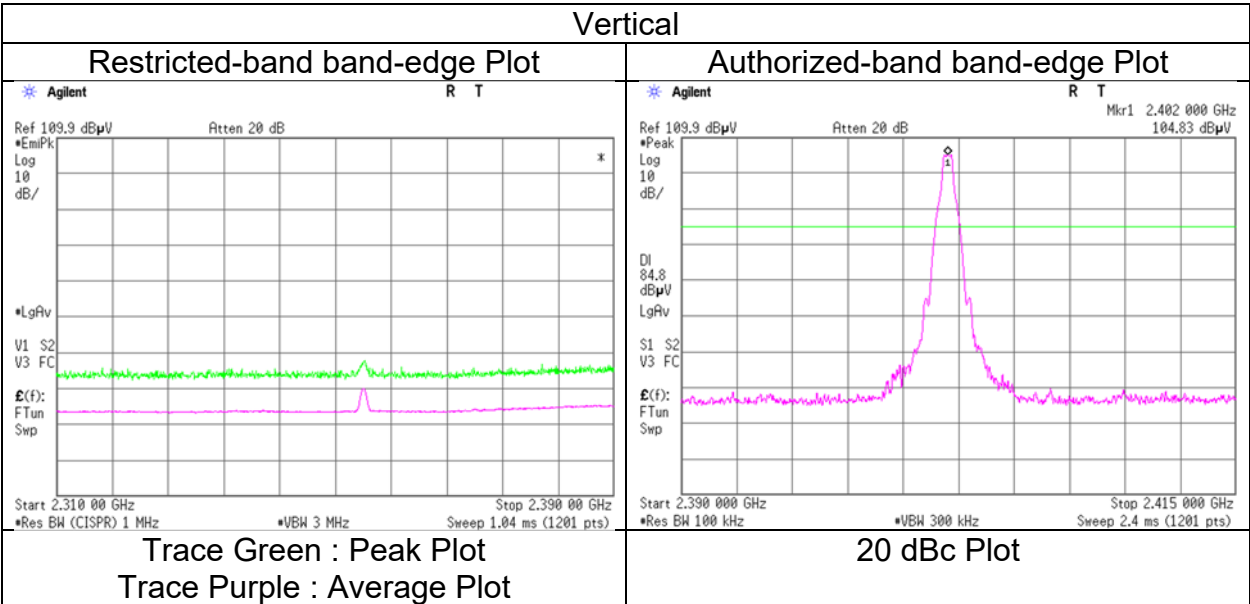
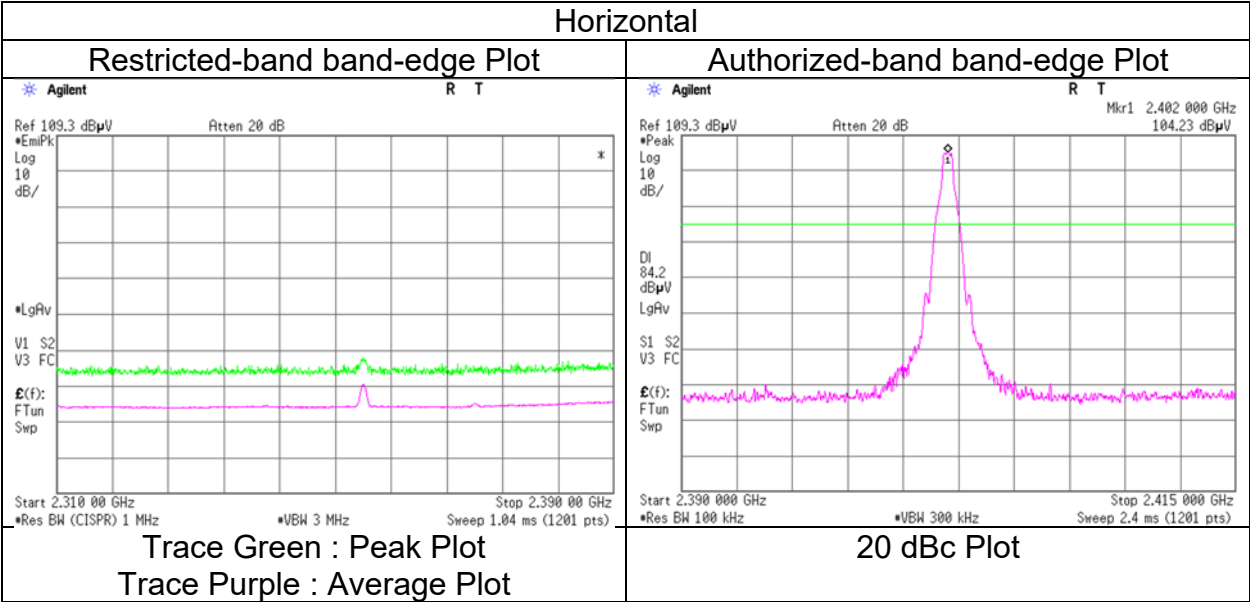
Result = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 18 GHz)) - Gain(Amplifier)

Distance factor: 18 GHz - 26.5 GHz 20log (1.0 m / 3.0 m) = -9.5 dB

\*These results have sufficient margin without taking account Duty cycle correction factor.

**Radiated Spurious Emission**  
**(Reference Plot for band-edge)**

|                   |                                |             |          |             |                   |
|-------------------|--------------------------------|-------------|----------|-------------|-------------------|
| Mode              | Tx, Hopping Off, DH5, 2402 MHz |             |          |             |                   |
| Date              | Test site                      | Temperature | Humidity | Engineer    | Measurement Range |
| February 26, 2026 | SAC4                           | 20 deg. C   | 60 % RH  | Junya Okuno | 1 GHz to 10 GHz   |



\* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.  
Final result of restricted band edge and authorized band edge were shown in tabular data.

## Radiated Spurious Emission

|      |                                |
|------|--------------------------------|
| Mode | Tx, Hopping Off, DH5, 2441 MHz |
|------|--------------------------------|

| Date              | Test site | Temperature | Humidity | Engineer          | Measurement Range |
|-------------------|-----------|-------------|----------|-------------------|-------------------|
| February 25, 2026 | SAC4      | 20 deg. C   | 65 % RH  | Nachi Konegawa    | 1 GHz to 10 GHz   |
| February 27, 2026 | SAC4      | 22 deg. C   | 51 % RH  | Nachi Konegawa    | 10 GHz to 18 GHz  |
| March 1, 2026     | SAC4      | 20 deg. C   | 50 % RH  | Kiyoshiro Okazaki | Above 18 GHz      |

| Polarity<br>[Hori/Vert] | Frequency<br>[MHz] | Reading<br>(QP / PK)<br>[dBuV] | Reading<br>(AV)<br>[dBuV] | Ant.<br>Factor<br>[dB/m] | Loss<br>[dB] | Gain<br>[dB] | Duty<br>Factor<br>[dB] | Result<br>(QP / PK)<br>[dBuV/m] | Result<br>(AV)<br>[dBuV/m] | Limit<br>(QP / PK)<br>[dBuV/m] | Limit<br>(AV)<br>[dBuV/m] | Margin<br>(QP / PK)<br>[dB] | Margin<br>(AV)<br>[dB] | Remark      |
|-------------------------|--------------------|--------------------------------|---------------------------|--------------------------|--------------|--------------|------------------------|---------------------------------|----------------------------|--------------------------------|---------------------------|-----------------------------|------------------------|-------------|
| Hori.                   | 1584.9             | 56.6                           | 41.5                      | 24.9                     | 2.4          | 33.3         | -                      | 50.7                            | 35.5                       | 73.9                           | 53.9                      | 23.2                        | 18.4                   |             |
| Hori.                   | 2527.1             | 49.5                           | 44.6                      | 27.8                     | 3.0          | 31.9         | -                      | 48.5                            | 43.5                       | 73.9                           | 53.9                      | 25.4                        | 10.4                   |             |
| Hori.                   | 2818.6             | 46.6                           | 38.8                      | 28.5                     | 3.2          | 31.7         | -                      | 46.6                            | 38.8                       | 73.9                           | 53.9                      | 27.3                        | 15.1                   |             |
| Hori.                   | 4882.0             | 41.0                           | 32.5                      | 31.5                     | 5.1          | 30.9         | 1.2                    | 46.8                            | 39.4                       | 73.9                           | 53.9                      | 27.1                        | 14.5                   | *2)         |
| Hori.                   | 5000.0             | 43.3                           | 34.5                      | 31.7                     | 5.2          | 30.8         | -                      | 49.4                            | 40.6                       | 73.9                           | 53.9                      | 24.5                        | 13.3                   |             |
| Hori.                   | 6339.5             | 44.0                           | 33.8                      | 33.6                     | 5.7          | 31.5         | -                      | 51.7                            | 41.6                       | 73.9                           | 53.9                      | 22.2                        | 12.4                   |             |
| Hori.                   | 7323.0             | 42.4                           | 33.8                      | 36.4                     | 6.2          | 32.3         | -                      | 52.7                            | 44.1                       | 73.9                           | 53.9                      | 21.2                        | 9.8                    | Floor noise |
| Hori.                   | 9764.0             | 42.1                           | 33.5                      | 38.5                     | 7.1          | 32.4         | -                      | 55.3                            | 46.6                       | 73.9                           | 53.9                      | 18.7                        | 7.3                    | Floor noise |
| Vert.                   | 1584.9             | 58.6                           | 44.3                      | 24.9                     | 2.4          | 33.3         | -                      | 52.6                            | 38.4                       | 73.9                           | 53.9                      | 21.3                        | 15.5                   |             |
| Vert.                   | 2527.1             | 48.6                           | 44.1                      | 27.8                     | 3.0          | 31.9         | -                      | 47.6                            | 43.1                       | 73.9                           | 53.9                      | 26.4                        | 10.8                   |             |
| Vert.                   | 2818.6             | 44.8                           | 38.3                      | 28.5                     | 3.2          | 31.7         | -                      | 44.8                            | 38.3                       | 73.9                           | 53.9                      | 29.1                        | 15.6                   |             |
| Vert.                   | 4882.0             | 42.8                           | 33.8                      | 31.5                     | 5.1          | 30.9         | 1.2                    | 48.5                            | 40.7                       | 73.9                           | 53.9                      | 25.4                        | 13.2                   | *2)         |
| Vert.                   | 5000.0             | 44.0                           | 36.2                      | 31.7                     | 5.2          | 30.8         | -                      | 50.1                            | 42.3                       | 73.9                           | 53.9                      | 23.8                        | 11.6                   |             |
| Vert.                   | 6339.5             | 44.4                           | 37.1                      | 33.6                     | 5.7          | 31.5         | -                      | 52.2                            | 44.8                       | 73.9                           | 53.9                      | 21.8                        | 9.1                    |             |
| Vert.                   | 7323.0             | 42.4                           | 33.8                      | 36.4                     | 6.2          | 32.3         | -                      | 52.7                            | 44.1                       | 73.9                           | 53.9                      | 21.2                        | 9.8                    | Floor noise |
| Vert.                   | 9764.0             | 42.1                           | 33.5                      | 38.5                     | 7.1          | 32.4         | -                      | 55.3                            | 46.6                       | 73.9                           | 53.9                      | 18.7                        | 7.3                    | Floor noise |

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 18 GHz)) - Gain(Amplifier)

Result (AV) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 18 GHz)) - Gain(Amplifier) + Duty factor

\*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

\*QP detector was used up to 1GHz.

\*2) Noise synchronized with duty of carrier frequency

Distance factor: 18 GHz - 26.5 GHz  $20\log(1.0\text{ m} / 3.0\text{ m}) = -9.5\text{ dB}$

\*These results have sufficient margin without taking account Duty cycle correction factor.

**Radiated Spurious Emission**

|                   |                                |             |          |                   |                   |
|-------------------|--------------------------------|-------------|----------|-------------------|-------------------|
| Mode              | Tx, Hopping Off, DH5, 2480 MHz |             |          |                   |                   |
| Date              | Test site                      | Temperature | Humidity | Engineer          | Measurement Range |
| February 25, 2026 | SAC4                           | 20 deg. C   | 65 % RH  | Nachi Konegawa    | 1 GHz to 10 GHz   |
| February 27, 2026 | SAC4                           | 22 deg. C   | 51 % RH  | Nachi Konegawa    | 10 GHz to 18 GHz  |
| March 1, 2026     | SAC4                           | 20 deg. C   | 50 % RH  | Kiyoshiro Okazaki | Above 18 GHz      |

| Polarity    | Frequency | Reading<br>(QP / PK) | Reading<br>(AV) | Ant.<br>Factor | Loss | Gain | Duty<br>Factor | Result<br>(QP / PK) | Result<br>(AV) | Limit<br>(QP / PK) | Limit<br>(AV) | Margin<br>(QP / PK) | Margin<br>(AV) | Remark      |
|-------------|-----------|----------------------|-----------------|----------------|------|------|----------------|---------------------|----------------|--------------------|---------------|---------------------|----------------|-------------|
| [Hori/Vert] | [MHz]     | [dBuV]               | [dBuV]          | [dB/m]         | [dB] | [dB] | [dB]           | [dBuV/m]            | [dBuV/m]       | [dBuV/m]           | [dBuV/m]      | [dB]                | [dB]           |             |
| Hori.       | 1584.9    | 56.8                 | 41.7            | 24.9           | 2.4  | 33.3 | -              | 50.9                | 35.7           | 73.9               | 53.9          | 23.0                | 18.2           |             |
| Hori.       | 2483.5    | 48.1                 | 35.6            | 27.7           | 3.0  | 31.9 | 1.2            | 46.9                | 35.6           | 73.9               | 53.9          | 27.0                | 18.3           | *1)         |
| Hori.       | 2527.1    | 49.7                 | 44.8            | 27.8           | 3.0  | 31.9 | -              | 48.7                | 43.7           | 73.9               | 53.9          | 25.2                | 10.2           |             |
| Hori.       | 2818.6    | 46.8                 | 39.0            | 28.5           | 3.2  | 31.7 | -              | 46.8                | 39.0           | 73.9               | 53.9          | 27.1                | 14.9           |             |
| Hori.       | 4960.0    | 41.0                 | 31.7            | 31.6           | 5.2  | 30.8 | 1.2            | 46.9                | 38.8           | 73.9               | 53.9          | 27.0                | 15.2           | *2)         |
| Hori.       | 5000.0    | 43.5                 | 34.7            | 31.7           | 5.2  | 30.8 | -              | 49.6                | 40.8           | 73.9               | 53.9          | 24.3                | 13.1           |             |
| Hori.       | 6339.5    | 44.2                 | 34.0            | 33.6           | 5.7  | 31.5 | -              | 51.9                | 41.8           | 73.9               | 53.9          | 22.0                | 12.2           |             |
| Hori.       | 7440.0    | 42.8                 | 33.5            | 36.6           | 6.3  | 32.4 | -              | 53.3                | 44.0           | 73.9               | 53.9          | 20.6                | 9.9            | Floor noise |
| Hori.       | 9920.0    | 42.3                 | 33.2            | 38.6           | 7.1  | 32.5 | -              | 55.5                | 46.4           | 73.9               | 53.9          | 18.4                | 7.5            | Floor noise |
| Vert.       | 1584.9    | 58.8                 | 44.5            | 24.9           | 2.4  | 33.3 | -              | 52.8                | 38.6           | 73.9               | 53.9          | 21.1                | 15.3           |             |
| Vert.       | 2483.5    | 47.8                 | 35.5            | 27.7           | 3.0  | 31.9 | 1.2            | 46.6                | 35.5           | 73.9               | 53.9          | 27.3                | 18.4           | *1)         |
| Vert.       | 2527.1    | 48.8                 | 44.3            | 27.8           | 3.0  | 31.9 | -              | 47.8                | 43.3           | 73.9               | 53.9          | 26.2                | 10.6           |             |
| Vert.       | 2818.6    | 45.0                 | 38.5            | 28.5           | 3.2  | 31.7 | -              | 45.0                | 38.5           | 73.9               | 53.9          | 28.9                | 15.4           |             |
| Vert.       | 4960.0    | 42.0                 | 33.4            | 31.6           | 5.2  | 30.8 | 1.2            | 47.9                | 40.5           | 73.9               | 53.9          | 26.0                | 13.4           | *2)         |
| Vert.       | 5000.0    | 44.2                 | 36.4            | 31.7           | 5.2  | 30.8 | -              | 50.3                | 42.5           | 73.9               | 53.9          | 23.6                | 11.4           |             |
| Vert.       | 6339.5    | 44.6                 | 37.3            | 33.6           | 5.7  | 31.5 | -              | 52.4                | 45.0           | 73.9               | 53.9          | 21.6                | 8.9            |             |
| Vert.       | 7440.0    | 42.8                 | 33.5            | 36.6           | 6.3  | 32.4 | -              | 53.3                | 44.0           | 73.9               | 53.9          | 20.6                | 9.9            | Floor noise |
| Vert.       | 9920.0    | 42.3                 | 33.2            | 38.6           | 7.1  | 32.5 | -              | 55.5                | 46.4           | 73.9               | 53.9          | 18.4                | 7.5            | Floor noise |

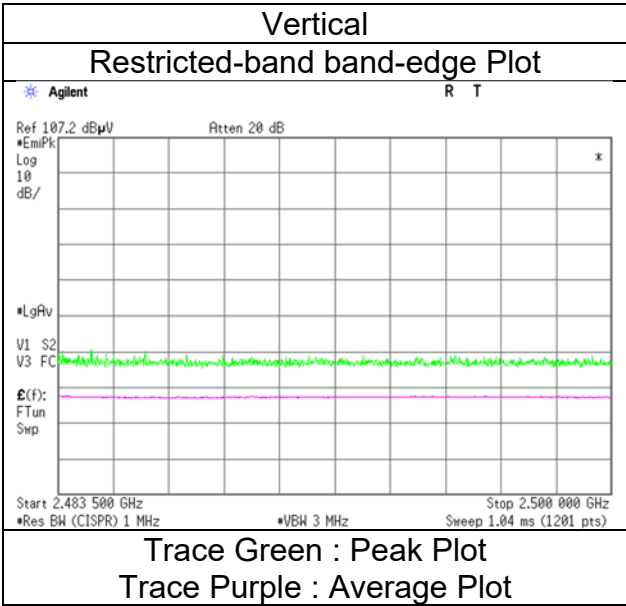
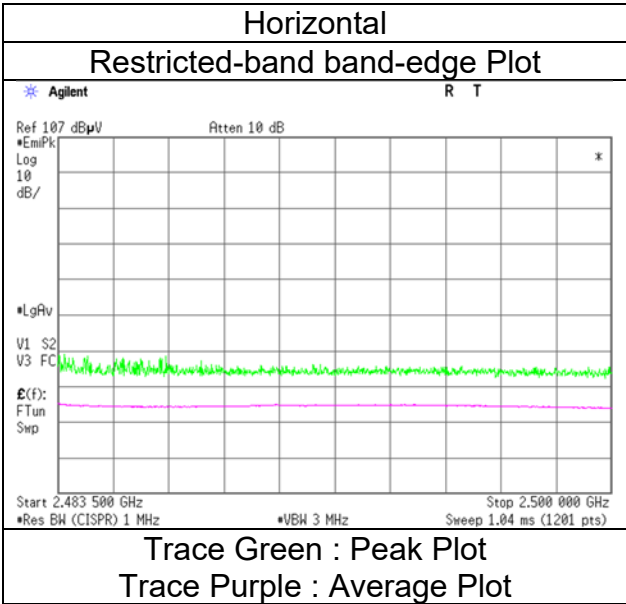
Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 18 GHz)) - Gain(Amplifier)  
Result (AV)= Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 18 GHz)) - Gain(Amplifier) + Duty factor  
\*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).  
\*QP detector was used up to 1GHz.  
\*1) Not Out of Band emission(Leakage Power)  
\*2) Noise synchronized with duty of carrier frequency

Distance factor: 18 GHz - 26.5 GHz      20log (1.0 m / 3.0 m) = -9.5 dB

\*These results have sufficient margin without taking account Duty cycle correction factor.

**Radiated Spurious Emission**  
**(Reference Plot for band-edge)**

|                   |                                |             |          |                |                   |
|-------------------|--------------------------------|-------------|----------|----------------|-------------------|
| Mode              | Tx, Hopping Off, DH5, 2480 MHz |             |          |                |                   |
| Date              | Test site                      | Temperature | Humidity | Engineer       | Measurement Range |
| February 25, 2026 | SAC4                           | 20 deg. C   | 65 % RH  | Nachi Konegawa | 1 GHz to 10 GHz   |



\* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.  
Final result of restricted band edge was shown in tabular data.

## Radiated Spurious Emission

|      |                                 |
|------|---------------------------------|
| Mode | Tx, Hopping Off, 3DH5, 2402 MHz |
|------|---------------------------------|

| Date              | Test site | Temperature | Humidity | Engineer          | Measurement Range |
|-------------------|-----------|-------------|----------|-------------------|-------------------|
| February 25, 2026 | SAC4      | 20 deg. C   | 65 % RH  | Nachi Konegawa    | 1 GHz to 10 GHz   |
| February 27, 2026 | SAC4      | 22 deg. C   | 51 % RH  | Nachi Konegawa    | 10 GHz to 18 GHz  |
| March 1, 2026     | SAC4      | 20 deg. C   | 50 % RH  | Kiyoshiro Okazaki | Above 18 GHz      |

| Polarity    | Frequency | Reading (QP / PK) | Reading (AV) | Ant. Factor | Loss | Gain | Duty Factor | Result (QP / PK) | Result (AV) | Limit (QP / PK) | Limit (AV) | Margin (QP / PK) | Margin (AV) | Remark      |
|-------------|-----------|-------------------|--------------|-------------|------|------|-------------|------------------|-------------|-----------------|------------|------------------|-------------|-------------|
| [Hori/Vert] | [MHz]     | [dBuV]            | [dBuV]       | [dB/m]      | [dB] | [dB] | [dB]        | [dBuV/m]         | [dBuV/m]    | [dBuV/m]        | [dBuV/m]   | [dB]             | [dB]        |             |
| Hori.       | 1584.9    | 56.5              | 41.4         | 24.9        | 2.4  | 33.3 | -           | 50.6             | 35.4        | 73.9            | 53.9       | 23.3             | 18.5        |             |
| Hori.       | 2354.0    | 44.5              | 35.2         | 27.9        | 2.9  | 32.0 | 1.1         | 43.4             | 35.3        | 73.9            | 53.9       | 30.5             | 18.6        | *2)         |
| Hori.       | 2390.0    | 43.0              | 31.5         | 27.8        | 3.0  | 31.9 | 1.1         | 41.9             | 31.5        | 73.9            | 53.9       | 32.0             | 22.4        | *1)         |
| Hori.       | 2527.1    | 49.4              | 44.5         | 27.8        | 3.0  | 31.9 | -           | 48.4             | 43.4        | 73.9            | 53.9       | 25.5             | 10.5        |             |
| Hori.       | 2818.6    | 46.8              | 39.0         | 28.5        | 3.2  | 31.7 | -           | 46.8             | 39.0        | 73.9            | 53.9       | 27.1             | 14.9        |             |
| Hori.       | 4804.0    | 40.6              | 32.0         | 31.5        | 5.1  | 30.9 | 1.1         | 46.3             | 38.9        | 73.9            | 53.9       | 27.6             | 15.0        | *2)         |
| Hori.       | 5000.0    | 43.2              | 34.4         | 31.7        | 5.2  | 30.8 | -           | 49.3             | 40.5        | 73.9            | 53.9       | 24.6             | 13.4        |             |
| Hori.       | 6339.5    | 43.9              | 33.7         | 33.6        | 5.7  | 31.5 | -           | 51.6             | 41.5        | 73.9            | 53.9       | 22.3             | 12.5        |             |
| Hori.       | 7206.0    | 43.3              | 34.0         | 36.3        | 6.2  | 32.2 | -           | 53.6             | 44.2        | 73.9            | 53.9       | 20.3             | 9.7         | Floor noise |
| Hori.       | 9608.0    | 42.6              | 33.2         | 38.1        | 7.0  | 32.4 | -           | 55.3             | 45.9        | 73.9            | 53.9       | 18.6             | 8.0         | Floor noise |
| Vert.       | 1584.9    | 58.5              | 44.2         | 24.9        | 2.4  | 33.3 | -           | 52.5             | 38.3        | 73.9            | 53.9       | 21.4             | 15.6        |             |
| Vert.       | 2354.0    | 45.0              | 36.2         | 27.9        | 2.9  | 32.0 | 1.1         | 43.9             | 36.2        | 73.9            | 53.9       | 30.0             | 17.7        | *2)         |
| Vert.       | 2390.0    | 48.2              | 34.7         | 27.8        | 3.0  | 31.9 | 1.1         | 47.1             | 34.7        | 73.9            | 53.9       | 26.8             | 19.2        | *1)         |
| Vert.       | 2527.1    | 48.3              | 44.0         | 27.8        | 3.0  | 31.9 | -           | 47.3             | 43.0        | 73.9            | 53.9       | 26.7             | 10.9        |             |
| Vert.       | 2818.6    | 44.7              | 38.2         | 28.5        | 3.2  | 31.7 | -           | 44.7             | 38.2        | 73.9            | 53.9       | 29.2             | 15.7        |             |
| Vert.       | 4804.0    | 42.1              | 32.5         | 31.5        | 5.1  | 30.9 | 1.1         | 47.7             | 39.3        | 73.9            | 53.9       | 26.2             | 14.6        | *2)         |
| Vert.       | 5000.0    | 43.9              | 36.1         | 31.7        | 5.2  | 30.8 | -           | 50.0             | 42.2        | 73.9            | 53.9       | 23.9             | 11.7        |             |
| Vert.       | 6339.5    | 44.3              | 37.0         | 33.6        | 5.7  | 31.5 | -           | 52.1             | 44.7        | 73.9            | 53.9       | 21.9             | 9.2         |             |
| Vert.       | 7206.0    | 43.3              | 34.0         | 36.3        | 6.2  | 32.2 | -           | 53.6             | 44.2        | 73.9            | 53.9       | 20.3             | 9.7         | Floor noise |
| Vert.       | 9608.0    | 42.6              | 33.2         | 38.1        | 7.0  | 32.4 | -           | 55.3             | 45.9        | 73.9            | 53.9       | 18.6             | 8.0         | Floor noise |

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 18 GHz)) - Gain(Amplifier)

Result (AV)= Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 18 GHz)) - Gain(Amplifier) + Duty factor

\*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

\*QP detector was used up to 1GHz.

\*1) Not Out of Band emission(Leakage Power)

\*2) Noise synchronized with duty of carrier frequency

### 20dBc Data Sheet

| Polarity    | Frequency | Reading (PK) | Ant Factor | Loss | Gain | Result   | Limit    | Margin | Remark  |
|-------------|-----------|--------------|------------|------|------|----------|----------|--------|---------|
| [Hori/Vert] | [MHz]     | [dBuV]       | [dB/m]     | [dB] | [dB] | [dBuV/m] | [dBuV/m] | [dB]   |         |
| Hori.       | 2402.0    | 100.2        | 27.8       | 3.0  | 31.9 | 99.0     | -        | -      | Carrier |
| Hori.       | 2400.0    | 43.5         | 27.8       | 3.0  | 31.9 | 42.3     | 79.0     | 36.7   |         |
| Vert.       | 2402.0    | 100.4        | 27.8       | 3.0  | 31.9 | 99.2     | -        | -      | Carrier |
| Vert.       | 2400.0    | 45.1         | 27.8       | 3.0  | 31.9 | 43.9     | 79.2     | 35.3   |         |

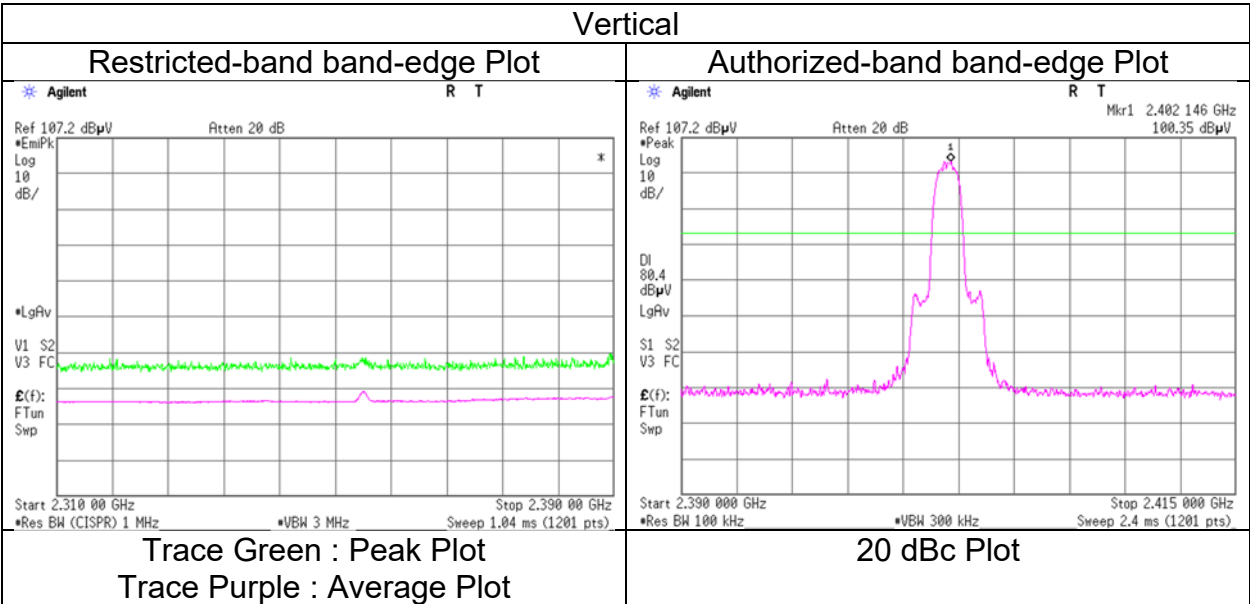
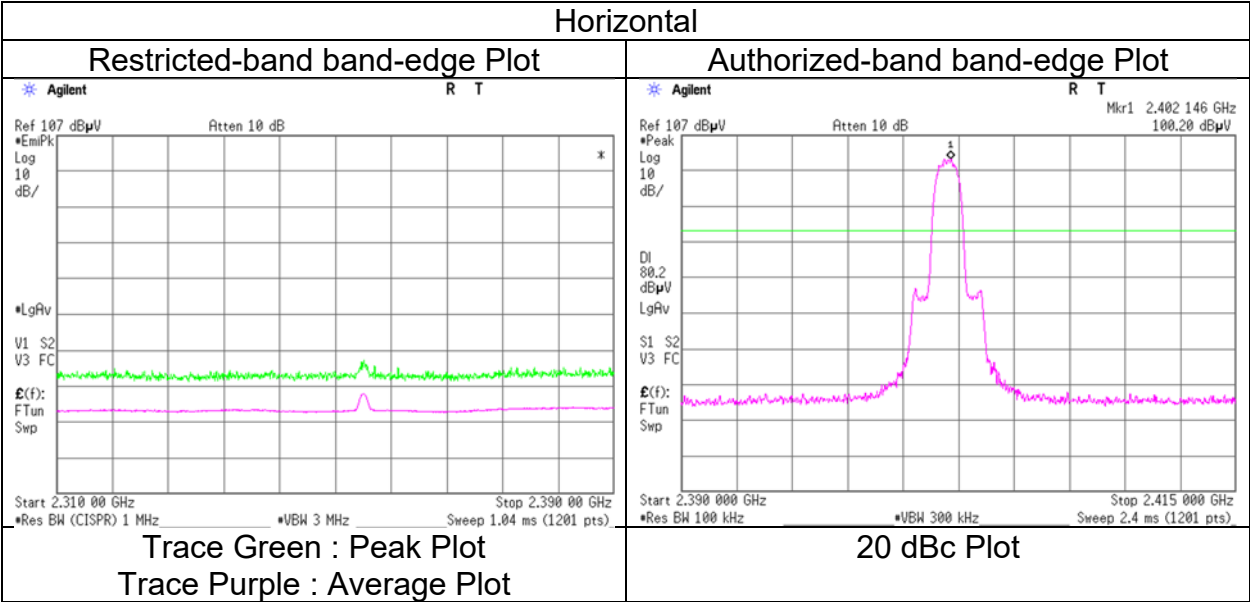
Result = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 18 GHz)) - Gain(Amplifier)

Distance factor: 18 GHz - 26.5 GHz 20log (1.0 m / 3.0 m) = -9.5 dB

\*These results have sufficient margin without taking account Duty cycle correction factor.

**Radiated Spurious Emission**  
**(Reference Plot for band-edge)**

|                   |                                 |             |          |                |                   |
|-------------------|---------------------------------|-------------|----------|----------------|-------------------|
| Mode              | Tx, Hopping Off, 3DH5, 2402 MHz |             |          |                |                   |
| Date              | Test site                       | Temperature | Humidity | Engineer       | Measurement Range |
| February 25, 2026 | SAC4                            | 20 deg. C   | 65 % RH  | Nachi Konegawa | 1 GHz to 10 GHz   |



\* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.  
Final result of restricted band edge and authorized band edge were shown in tabular data.

## Radiated Spurious Emission

|      |                                 |
|------|---------------------------------|
| Mode | Tx, Hopping Off, 3DH5, 2441 MHz |
|------|---------------------------------|

| Date              | Test site | Temperature | Humidity | Engineer          | Measurement Range |
|-------------------|-----------|-------------|----------|-------------------|-------------------|
| February 25, 2026 | SAC4      | 20 deg. C   | 65 % RH  | Nachi Konegawa    | 1 GHz to 10 GHz   |
| February 27, 2026 | SAC4      | 22 deg. C   | 51 % RH  | Nachi Konegawa    | 10 GHz to 18 GHz  |
| March 1, 2026     | SAC4      | 20 deg. C   | 50 % RH  | Kiyoshiro Okazaki | Above 18 GHz      |

| Polarity<br>[Hori/Vert] | Frequency<br>[MHz] | Reading<br>(QP / PK)<br>[dBuV] | Reading<br>(AV)<br>[dBuV] | Ant.<br>Factor<br>[dB/m] | Loss<br>[dB] | Gain<br>[dB] | Duty<br>Factor<br>[dB] | Result<br>(QP / PK)<br>[dBuV/m] | Result<br>(AV)<br>[dBuV/m] | Limit<br>(QP / PK)<br>[dBuV/m] | Limit<br>(AV)<br>[dBuV/m] | Margin<br>(QP / PK)<br>[dB] | Margin<br>(AV)<br>[dB] | Remark      |
|-------------------------|--------------------|--------------------------------|---------------------------|--------------------------|--------------|--------------|------------------------|---------------------------------|----------------------------|--------------------------------|---------------------------|-----------------------------|------------------------|-------------|
| Hori.                   | 1584.9             | 56.8                           | 41.7                      | 24.9                     | 2.4          | 33.3         | -                      | 50.9                            | 35.7                       | 73.9                           | 53.9                      | 23.0                        | 18.2                   |             |
| Hori.                   | 2527.1             | 49.7                           | 44.8                      | 27.8                     | 3.0          | 31.9         | -                      | 48.7                            | 43.7                       | 73.9                           | 53.9                      | 25.2                        | 10.2                   |             |
| Hori.                   | 2818.6             | 46.8                           | 39.0                      | 28.5                     | 3.2          | 31.7         | -                      | 46.8                            | 39.0                       | 73.9                           | 53.9                      | 27.1                        | 14.9                   |             |
| Hori.                   | 4882.0             | 40.8                           | 32.0                      | 31.5                     | 5.1          | 30.9         | 1.2                    | 46.6                            | 38.9                       | 73.9                           | 53.9                      | 27.3                        | 15.0                   | *2)         |
| Hori.                   | 5000.0             | 43.5                           | 34.7                      | 31.7                     | 5.2          | 30.8         | -                      | 49.6                            | 40.8                       | 73.9                           | 53.9                      | 24.3                        | 13.1                   |             |
| Hori.                   | 6339.5             | 44.2                           | 34.0                      | 33.6                     | 5.7          | 31.5         | -                      | 51.9                            | 41.8                       | 73.9                           | 53.9                      | 22.0                        | 12.2                   |             |
| Hori.                   | 7323.0             | 42.4                           | 33.8                      | 36.4                     | 6.2          | 32.3         | -                      | 52.7                            | 44.1                       | 73.9                           | 53.9                      | 21.2                        | 9.8                    | Floor noise |
| Hori.                   | 9764.0             | 42.1                           | 33.5                      | 38.5                     | 7.1          | 32.4         | -                      | 55.3                            | 46.6                       | 73.9                           | 53.9                      | 18.7                        | 7.3                    | Floor noise |
| Vert.                   | 1584.9             | 58.8                           | 44.5                      | 24.9                     | 2.4          | 33.3         | -                      | 52.8                            | 38.6                       | 73.9                           | 53.9                      | 21.1                        | 15.3                   |             |
| Vert.                   | 2527.1             | 48.8                           | 44.3                      | 27.8                     | 3.0          | 31.9         | -                      | 47.8                            | 43.3                       | 73.9                           | 53.9                      | 26.2                        | 10.6                   |             |
| Vert.                   | 2818.6             | 45.0                           | 38.5                      | 28.5                     | 3.2          | 31.7         | -                      | 45.0                            | 38.5                       | 73.9                           | 53.9                      | 28.9                        | 15.4                   |             |
| Vert.                   | 4882.0             | 41.1                           | 32.7                      | 31.5                     | 5.1          | 30.9         | 1.2                    | 46.8                            | 39.6                       | 73.9                           | 53.9                      | 27.1                        | 14.3                   | *2)         |
| Vert.                   | 5000.0             | 44.2                           | 36.4                      | 31.7                     | 5.2          | 30.8         | -                      | 50.3                            | 42.5                       | 73.9                           | 53.9                      | 23.6                        | 11.4                   |             |
| Vert.                   | 6339.5             | 44.6                           | 37.3                      | 33.6                     | 5.7          | 31.5         | -                      | 52.4                            | 45.0                       | 73.9                           | 53.9                      | 21.6                        | 8.9                    |             |
| Vert.                   | 7323.0             | 42.4                           | 33.8                      | 36.4                     | 6.2          | 32.3         | -                      | 52.7                            | 44.1                       | 73.9                           | 53.9                      | 21.2                        | 9.8                    | Floor noise |
| Vert.                   | 9764.0             | 42.1                           | 33.5                      | 38.5                     | 7.1          | 32.4         | -                      | 55.3                            | 46.6                       | 73.9                           | 53.9                      | 18.7                        | 7.3                    | Floor noise |

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 18 GHz)) - Gain(Amplifier)

Result (AV)= Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 18 GHz)) - Gain(Amplifier) + Duty factor

\*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

\*QP detector was used up to 1GHz.

\*2) Noise synchronized with duty of carrier frequency

Distance factor: 18 GHz - 26.5 GHz  $20\log(1.0\text{ m} / 3.0\text{ m}) = -9.5\text{ dB}$

\*These results have sufficient margin without taking account Duty cycle correction factor.

## Radiated Spurious Emission

|      |                                 |
|------|---------------------------------|
| Mode | Tx, Hopping Off, 3DH5, 2480 MHz |
|------|---------------------------------|

| Date              | Test site | Temperature | Humidity | Engineer          | Measurement Range |
|-------------------|-----------|-------------|----------|-------------------|-------------------|
| February 25, 2026 | SAC4      | 20 deg. C   | 65 % RH  | Nachi Konegawa    | 1 GHz to 10 GHz   |
| February 27, 2026 | SAC4      | 22 deg. C   | 51 % RH  | Nachi Konegawa    | 10 GHz to 18 GHz  |
| March 1, 2026     | SAC4      | 20 deg. C   | 50 % RH  | Kiyoshiro Okazaki | Above 18 GHz      |

| Polarity<br>[Hori/Vert] | Frequency<br>[MHz] | Reading<br>(QP / PK)<br>[dBuV] | Reading<br>(AV)<br>[dBuV] | Ant.<br>Factor<br>[dB/m] | Loss<br>[dB] | Gain<br>[dB] | Duty<br>Factor<br>[dB] | Result<br>(QP / PK)<br>[dBuV/m] | Result<br>(AV)<br>[dBuV/m] | Limit<br>(QP / PK)<br>[dBuV/m] | Limit<br>(AV)<br>[dBuV/m] | Margin<br>(QP / PK)<br>[dB] | Margin<br>(AV)<br>[dB] | Remark      |
|-------------------------|--------------------|--------------------------------|---------------------------|--------------------------|--------------|--------------|------------------------|---------------------------------|----------------------------|--------------------------------|---------------------------|-----------------------------|------------------------|-------------|
| Hori.                   | 1584.9             | 56.6                           | 41.5                      | 24.9                     | 2.4          | 33.3         | -                      | 50.7                            | 35.5                       | 73.9                           | 53.9                      | 23.2                        | 18.4                   |             |
| Hori.                   | 2483.5             | 47.8                           | 35.2                      | 27.7                     | 3.0          | 31.9         | 1.2                    | 46.7                            | 35.2                       | 73.9                           | 53.9                      | 27.2                        | 18.7                   | *1)         |
| Hori.                   | 2527.1             | 49.5                           | 44.6                      | 27.8                     | 3.0          | 31.9         | -                      | 48.5                            | 43.5                       | 73.9                           | 53.9                      | 25.4                        | 10.4                   |             |
| Hori.                   | 2818.6             | 46.6                           | 38.8                      | 28.5                     | 3.2          | 31.7         | -                      | 46.6                            | 38.8                       | 73.9                           | 53.9                      | 27.3                        | 15.1                   |             |
| Hori.                   | 4960.0             | 40.4                           | 31.5                      | 31.6                     | 5.2          | 30.8         | 1.2                    | 46.3                            | 38.6                       | 73.9                           | 53.9                      | 27.6                        | 15.3                   | *2)         |
| Hori.                   | 5000.0             | 43.3                           | 34.5                      | 31.7                     | 5.2          | 30.8         | -                      | 49.4                            | 40.6                       | 73.9                           | 53.9                      | 24.5                        | 13.3                   |             |
| Hori.                   | 6339.5             | 44.0                           | 33.8                      | 33.6                     | 5.7          | 31.5         | -                      | 51.7                            | 41.6                       | 73.9                           | 53.9                      | 22.2                        | 12.4                   |             |
| Hori.                   | 7440.0             | 42.8                           | 33.5                      | 36.6                     | 6.3          | 32.4         | -                      | 53.3                            | 44.0                       | 73.9                           | 53.9                      | 20.6                        | 9.9                    | Floor noise |
| Hori.                   | 9920.0             | 42.3                           | 33.2                      | 38.6                     | 7.1          | 32.5         | -                      | 55.5                            | 46.4                       | 73.9                           | 53.9                      | 18.4                        | 7.5                    | Floor noise |
| Vert.                   | 1584.9             | 58.6                           | 44.3                      | 24.9                     | 2.4          | 33.3         | -                      | 52.6                            | 38.4                       | 73.9                           | 53.9                      | 21.3                        | 15.5                   |             |
| Vert.                   | 2483.5             | 47.0                           | 34.6                      | 27.7                     | 3.0          | 31.9         | 1.2                    | 45.9                            | 34.6                       | 73.9                           | 53.9                      | 28.0                        | 19.3                   | *1)         |
| Vert.                   | 2527.1             | 48.6                           | 44.1                      | 27.8                     | 3.0          | 31.9         | -                      | 47.6                            | 43.1                       | 73.9                           | 53.9                      | 26.4                        | 10.8                   |             |
| Vert.                   | 2818.6             | 44.8                           | 38.3                      | 28.5                     | 3.2          | 31.7         | -                      | 44.8                            | 38.3                       | 73.9                           | 53.9                      | 29.1                        | 15.6                   |             |
| Vert.                   | 4960.0             | 41.5                           | 31.8                      | 31.6                     | 5.2          | 30.8         | 1.2                    | 47.4                            | 38.9                       | 73.9                           | 53.9                      | 26.5                        | 15.0                   | *2)         |
| Vert.                   | 5000.0             | 44.0                           | 36.2                      | 31.7                     | 5.2          | 30.8         | -                      | 50.1                            | 42.3                       | 73.9                           | 53.9                      | 23.8                        | 11.6                   |             |
| Vert.                   | 6339.5             | 44.4                           | 37.1                      | 33.6                     | 5.7          | 31.5         | -                      | 52.2                            | 44.8                       | 73.9                           | 53.9                      | 21.8                        | 9.1                    |             |
| Vert.                   | 7440.0             | 42.8                           | 33.5                      | 36.6                     | 6.3          | 32.4         | -                      | 53.3                            | 44.0                       | 73.9                           | 53.9                      | 20.6                        | 9.9                    | Floor noise |
| Vert.                   | 9920.0             | 42.3                           | 33.2                      | 38.6                     | 7.1          | 32.5         | -                      | 55.5                            | 46.4                       | 73.9                           | 53.9                      | 18.4                        | 7.5                    | Floor noise |

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 18 GHz)) - Gain(Amplifier)

Result (AV)= Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 18 GHz)) - Gain(Amplifier) + Duty factor

\*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

\*QP detector was used up to 1GHz.

\*1) Not Out of Band emission(Leakage Power)

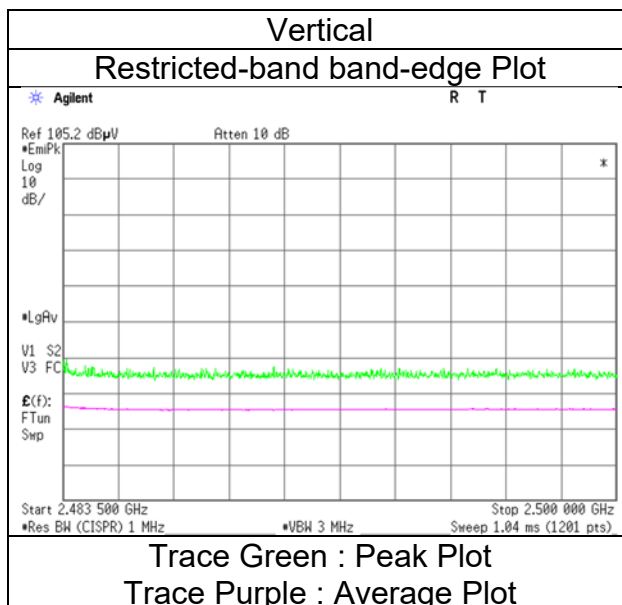
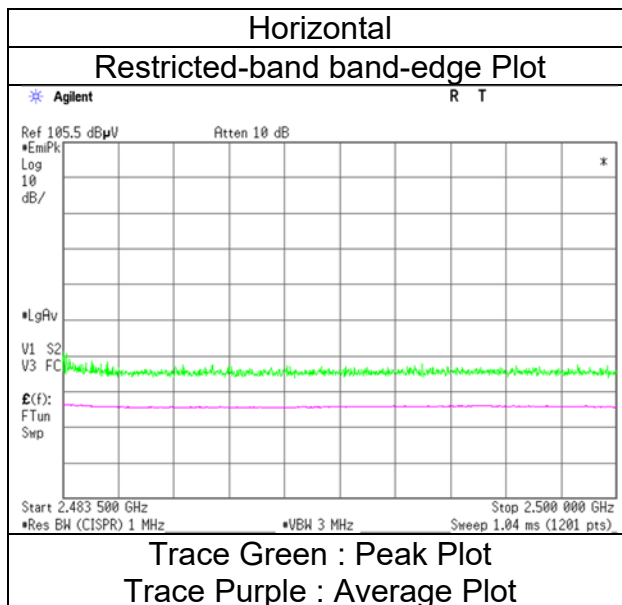
\*2) Noise synchronized with duty of carrier frequency

Distance factor: 18 GHz - 26.5 GHz       $20\log(1.0\text{ m} / 3.0\text{ m}) = -9.5\text{ dB}$

\*These results have sufficient margin without taking account Duty cycle correction factor.

## Radiated Spurious Emission (Reference Plot for band-edge)

|                   |                                 |             |          |                |                   |
|-------------------|---------------------------------|-------------|----------|----------------|-------------------|
| Mode              | Tx, Hopping Off, 3DH5, 2480 MHz |             |          |                |                   |
| Date              | Test site                       | Temperature | Humidity | Engineer       | Measurement Range |
| February 25, 2026 | SAC4                            | 20 deg. C   | 65 % RH  | Nachi Konegawa | 1 GHz to 10 GHz   |

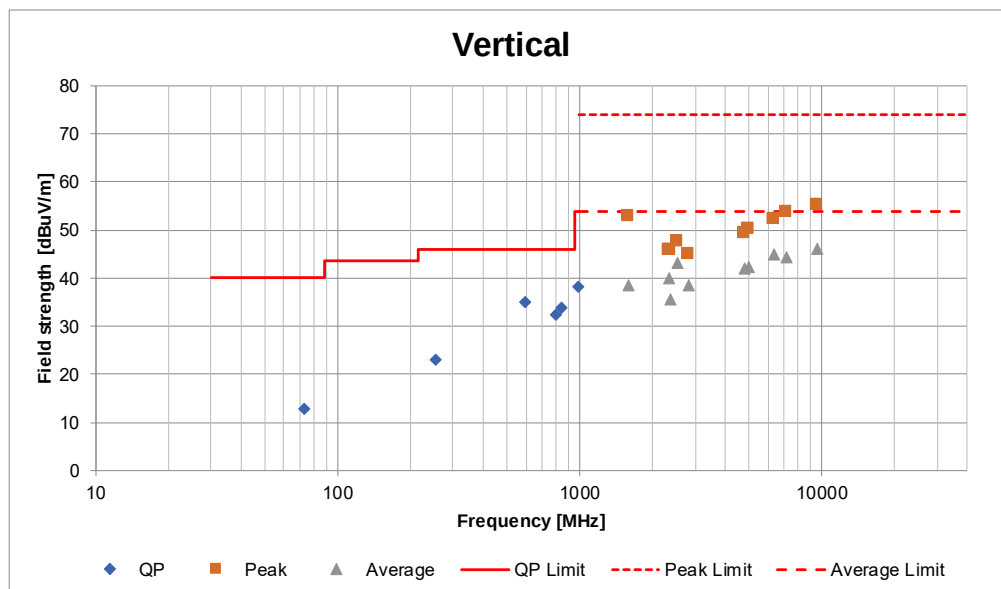
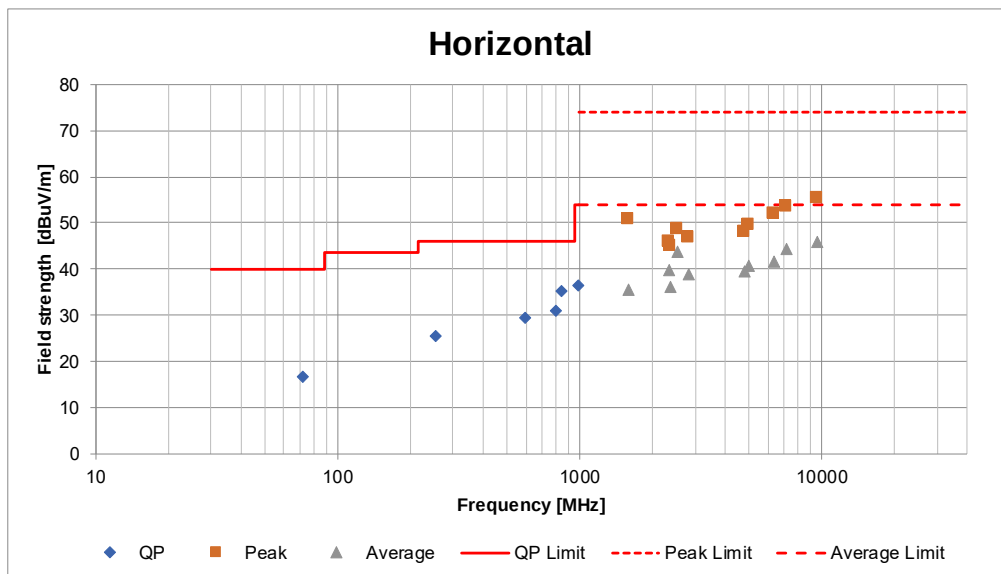


\* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.

Final result of restricted band edge was shown in tabular data.

## Radiated Spurious Emission (Plot data, Worst case mode for Maximum Peak Output Power)

| Mode              | Tx, Hopping Off, DH5, 2402 MHz |             |          |                   |                   |
|-------------------|--------------------------------|-------------|----------|-------------------|-------------------|
| Date              | Test site                      | Temperature | Humidity | Engineer          | Measurement Range |
| February 26, 2026 | SAC4                           | 20 deg. C   | 60 % RH  | Junya Okuno       | 1 GHz to 10 GHz   |
| February 27, 2026 | SAC4                           | 22 deg. C   | 51 % RH  | Nachi Konegawa    | 10 GHz to 18 GHz  |
| March 1, 2026     | SAC4                           | 20 deg. C   | 50 % RH  | Kiyoshiro Okazaki | Above 18 GHz      |
| March 1, 2026     | SAC4                           | 20 deg. C   | 50 % RH  | Shousei Hamaguchi | Below 1 GHz       |

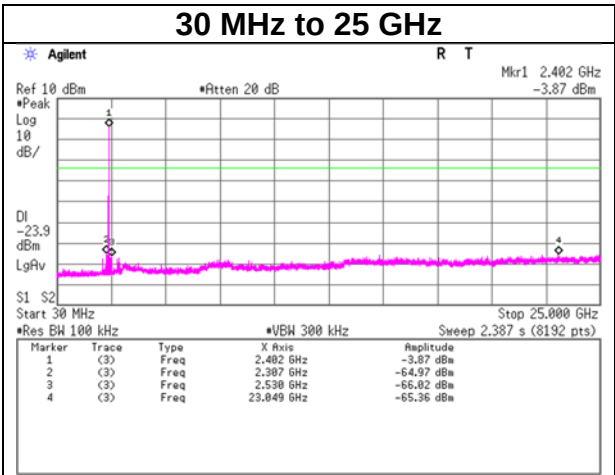
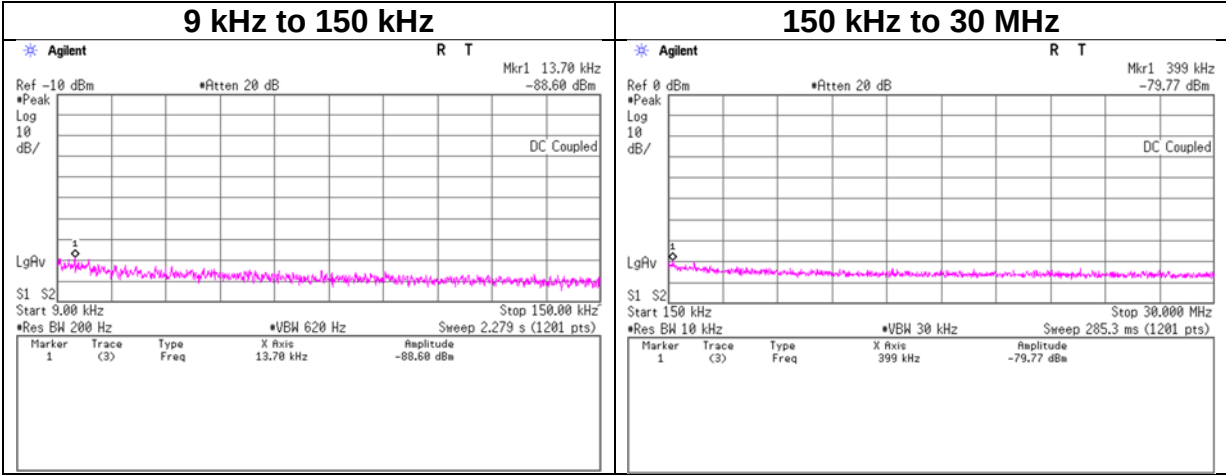


\*These plots data contain sufficient number to show the trend of characteristic features for EUT.

Conducted Spurious Emission

|               |                      |             |          |                 |
|---------------|----------------------|-------------|----------|-----------------|
| Mode          | Tx, Hopping Off, DH5 |             |          |                 |
| Date          | Test site            | Temperature | Humidity | Engineer        |
| March 3, 2026 | MR11                 | 21 deg. C   | 47 % RH  | Wataru Toriyama |

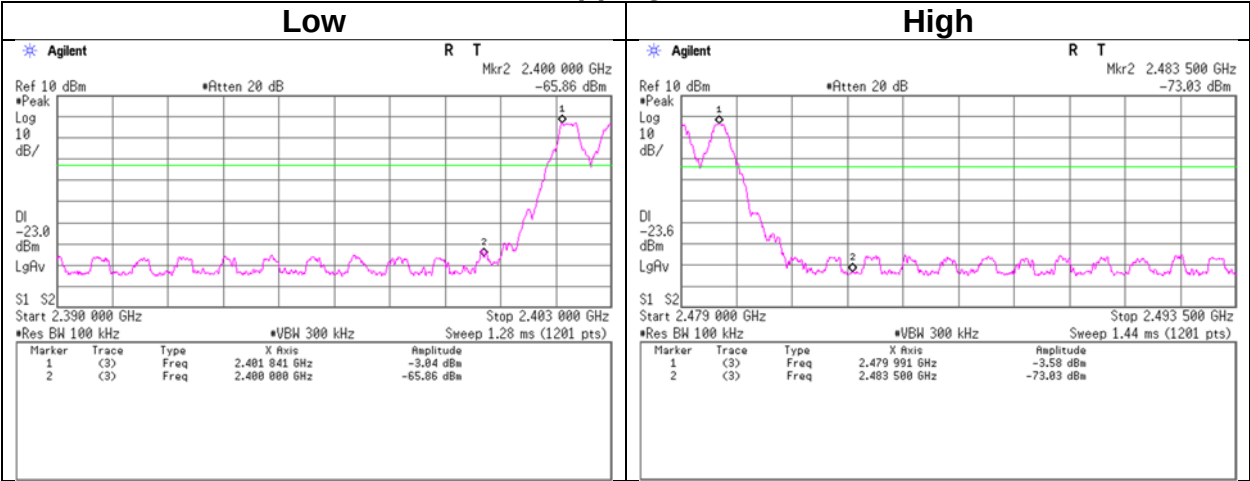
2402 MHz



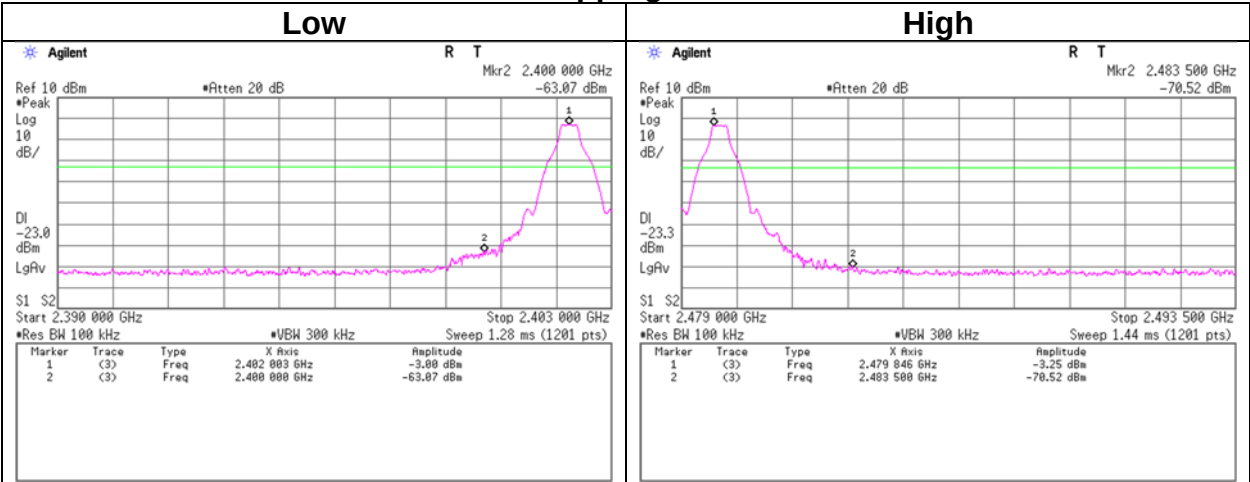
Conducted Emission Band Edge compliance

|               |           |             |          |                 |
|---------------|-----------|-------------|----------|-----------------|
| Mode          | Tx DH5    |             |          |                 |
| Date          | Test site | Temperature | Humidity | Engineer        |
| March 3, 2026 | MR11      | 21 deg. C   | 47 % RH  | Wataru Toriyama |

Hopping On



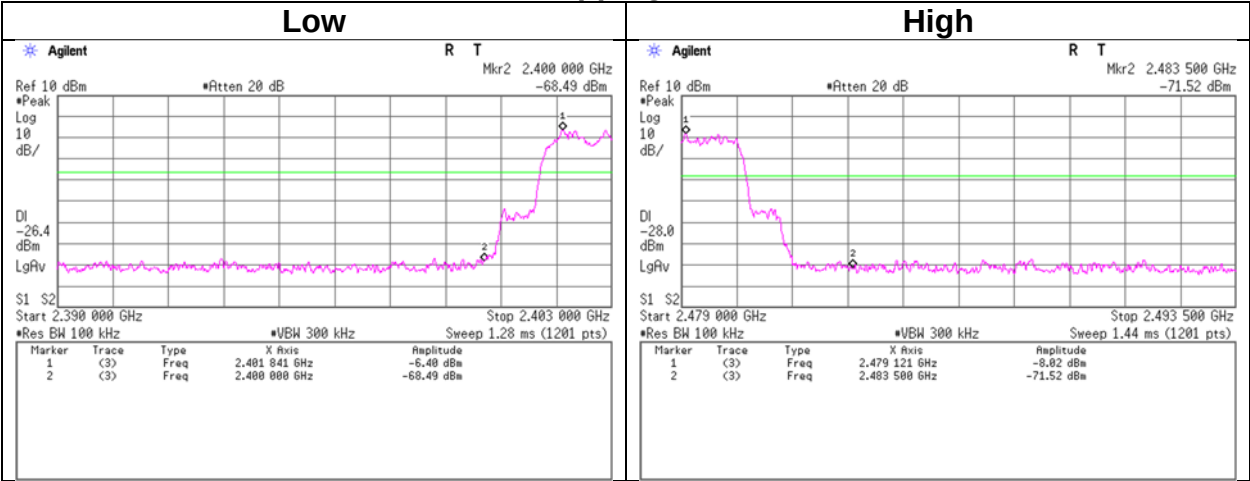
Hopping Off



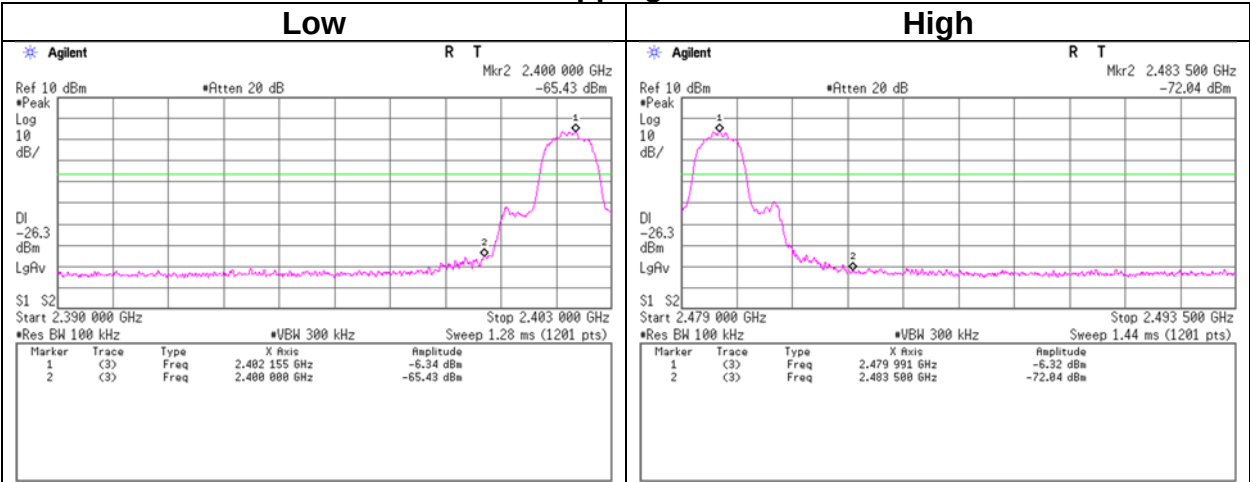
Conducted Emission Band Edge compliance

|               |           |             |          |                 |
|---------------|-----------|-------------|----------|-----------------|
| Mode          | Tx 3DH5   |             |          |                 |
| Date          | Test site | Temperature | Humidity | Engineer        |
| March 3, 2026 | MR11      | 21 deg. C   | 47 % RH  | Wataru Toriyama |

Hopping On



Hopping Off



## APPENDIX 2: Test Instruments

### Test Equipment

| Test Item | LIMS ID | Description                       | Manufacturer                      | Model                                      | Serial                  | Last Calibration Date | Cal Int |
|-----------|---------|-----------------------------------|-----------------------------------|--------------------------------------------|-------------------------|-----------------------|---------|
| RE        | 141267  | Logperiodic Antenna (200-1000MHz) | Schwarzbeck Mess-Elektronik OHG   | VUSLP9111B                                 | 9111B-192               | 09/12/2025            | 12      |
| RE        | 141296  | High Pass Filter 3.5-18.0GHz      | UL-ISE                            | HPF SELECTOR                               | 002                     | 09/03/2025            | 12      |
| RE        | 141397  | Coaxial Cable                     | UL-ISE EMC                        | -                                          | -                       | 11/12/2025            | 12      |
| RE        | 141425  | Biconical Antenna                 | Schwarzbeck Mess-Elektronik OHG   | VHA9103+BBA9106                            | VHA 91031302            | 08/14/2025            | 12      |
| RE        | 141506  | Horn Antenna 15-40GHz             | Schwarzbeck Mess-Elektronik OHG   | BBHA9170                                   | BBHA9170307             | 08/13/2025            | 12      |
| RE        | 141508  | Horn Antenna 1-18GHz              | Schwarzbeck Mess-Elektronik OHG   | BBHA9120D                                  | 557                     | 05/20/2025            | 12      |
| RE        | 141581  | MicroWave System Amplifier        | Keysight Technologies Inc         | 83017A                                     | 00650                   | 10/17/2025            | 12      |
| RE        | 141583  | Pre Amplifier                     | SONOMA INSTRUMENT                 | 310                                        | 260833                  | 04/02/2025            | 12      |
| RE        | 141903  | Spectrum Analyzer                 | Keysight Technologies Inc         | E4440A                                     | MY46186390              | 01/30/2026            | 12      |
| RE        | 141951  | EMI Test Receiver                 | Rohde & Schwarz                   | ESR26                                      | 101408                  | 05/07/2025            | 12      |
| RE        | 142011  | AC4_Semi Anechoic Chamber(NSA)    | TDK                               | Semi Anechoic Chamber 3m                   | DA-10005                | 07/10/2025            | 24      |
| RE        | 142017  | AC4_Semi Anechoic Chamber(SVSWR)  | TDK                               | Semi Anechoic Chamber 3m                   | DA-10005                | 04/17/2025            | 24      |
| RE        | 142230  | Measure, Tape, Steel              | KOMELON                           | KMC-36                                     | -                       | -                     | -       |
| RE        | 178648  | EMI measurement program           | TSJ (Techno Science Japan)        | TEPTO-DV                                   | -                       | -                     | -       |
| RE        | 220646  | Attenuator                        | Huber+Suhner                      | 6806_N-50-1                                | -                       | 03/06/2025            | 12      |
| RE        | 237927  | Broadband Amplifier               | ERAVANT                           | SBB-0115033218-2F2F-E3                     | 27554-01                | 07/02/2025            | 12      |
| RE        | 244710  | Thermo-Hygrometer                 | HIOKI E. E. CORPORATION           | LR5001                                     | 231202104               | 01/14/2026            | 12      |
| RE        | 245788  | Double Ridge Horn Antenna         | Schwarzbeck Mess-Elektronik OHG   | BBHA 9120 C                                | 690                     | 03/11/2025            | 12      |
| RE        | 246002  | Microwave Cable                   | Huber+Suhner                      | SF103/11PC35/11PC35/1000mm / SF126E/5000mm | 800674(1m) / 610205(5m) | 03/18/2025            | 12      |
| RE        | 272098  | DIGITAL MULTIMETER                | HIOKI E. E. CORPORATION           | DT4255                                     | 250902199               | 11/27/2025            | 12      |
| AT        | 141244  | Attenuator(10dB)                  | Weinschel - API Technologies Corp | WA8-10-34                                  | A198                    | 02/02/2026            | 12      |
| AT        | 141559  | DIGITAL MULTIMETER                | HIOKI E. E. CORPORATION           | DT4221                                     | 130618775               | 08/08/2025            | 12      |
| AT        | 141809  | Power Meter                       | Anritsu Corporation               | ML2495A                                    | 825002                  | 05/15/2025            | 12      |
| AT        | 141830  | Power sensor                      | Anritsu Corporation               | MA2411B                                    | 738285                  | 05/15/2025            | 12      |
| AT        | 141902  | Spectrum Analyzer                 | Keysight Technologies Inc         | E4440A                                     | MY46187105              | 10/06/2025            | 12      |
| AT        | 141903  | Spectrum Analyzer                 | Keysight Technologies Inc         | E4440A                                     | MY46186390              | 01/30/2026            | 12      |
| AT        | 244706  | Thermo-Hygrometer                 | A & D                             | AD-5648A                                   | 1003                    | 01/14/2026            | 12      |
| AT        | 248892  | Attenuator                        | Weinschel Associates              | WA56-10-1112                               | 1                       | 05/20/2025            | 12      |
| AT        | 263297  | Coaxial Cable                     | GigaLane Co., Ltd                 | G03SMC005-GUL200HT-G03SMC005-2000mm        | #002                    | 05/20/2025            | 12      |
| AT        | 263325  | Microwave Cable                   | GigaLane Co., Ltd                 | GL140sE                                    | 53043-01-01             | 05/20/2025            | 12      |

\*Hyphens for Last Calibration Date and Cal Int (month) are instruments that Calibration is not required (e.g. software), or instruments checked in advance before use.

The expiration date of the calibration is the end of the expired month.

As for some calibrations performed after the tested dates, those test equipment have been controlled by means of an unbroken chains of calibrations.

All equipment is calibrated with valid calibrations. Each measurement data is traceable to the national or international standards.

Test item:

AT: Antenna Terminal Conducted Tests

RE: Radiated Emission