| | | | | |
|---|---|---|---|---|
| **Prüfbericht-Nr.:** *Test report no.*: | **CN25OP16 001** | **Auftrags-Nr.:** *Order no.*: | 168568654 | **Page 1 of 23** *Seite 1 von 23* |
| **Kunden-Referenz-Nr.:** *Client reference no.*: | N/A | **Auftragsdatum:** *Order date:* | 2025-08-06 | |
| **Auftraggeber:** *Client*: | **Dreame Trading (Tianjin) Co. ,Ltd.** Room 2112-1-1, South District, Finance and Trade Center, No.6975 Yazhou Road, Dongjiang Bonded Port Area, Tianjin Pilot Free Trade Zone, 300463 Tianjin, P.R. China | | | |
| **Prüfgegenstand:** *Test item*: | Dreame NAVO Care 1 Incam | | | |
| **Bezeichnung / Typ-Nr.:** *Identification / Type no.*: | A131<br>(Trademark: DREAME) | | | |
| **Auftrags-Inhalt:** *Order content*: | Type test | | | |
| **Prüfgrundlage:** *Test specification*: | CFR47 FCC Part 15: Subpart C Section 15.247<br>CFR47 FCC Part 15: Subpart C Section 15.207<br>CFR47 FCC Part 15: Subpart C Section 15.209<br>RSS-247 Issue 3 August 2023<br>RSS-Gen Issue 5 February 2021 | | | |

| | | |
|---|---|---|
| **Wareneingangsdatum:** *Date of sample receipt*: | 2025-08-07 | Refer to photos document |
| **Prüfmuster-Nr.:** *Test sample no:* | A004058000 | |
| **Prüfzeitraum:** *Testing period*: | 2025-08-11 - 2025-09-17 | |
| **Ort der Prüfung:** *Place of testing*: | Guangdong Dongdian Testing Service Co.,Ltd. | |
| **Prüflaboratorium:** *Testing laboratory:* | TÜV Rheinland (Shenzhen) Co., Ltd. | |
| **Prüfergebnis*:** *Test result**: | Pass | |

| | | | |
|---|---|---|---|
| **geprüft von:** tested by: | x Signed by: Harry W. C. Wu | **genehmigt von:** *authorized by*: | x Signed by: Alex Lan |
| **Datum:** *Date:* 2025-09-30 | | **Ausstellungsdatum:** *Issue date:* 2025-09-30 | |
| **Stellung** / Position: | Project Manager | **Stellung** / Position: | Authorizer |

| | |
|---|---|
| **Sonstiges /** *Other*: | FCC ID: 2AXGD-A131<br>IC: 26444-A131 HVIN: A131<br><br>This report is for Bluetooth LE. |
| **Zustand des Prüfgegenstandes bei Anlieferung:** *Condition of the test item at delivery*: | Prüfmuster vollständig und unbeschädigt<br>*Test item complete and undamaged* |

| | | | | |
|---|---|---|---|---|
| * Legende: | P(ass) = entspricht o.g. Prüfgrundlage(n) | F(ail) = entspricht nicht o.g. Prüfgrundlage(n) | N/A = nicht anwendbar | N/T = nicht getestet |
| ** Legend:* | *P(ass) = passed a.m. test specification(s)* | *F(ail) = failed a.m. test specification(s)* | *N/A = not applicable* | *N/T = not tested* |

## Remarks
*Anmerkungen*

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

# *Test Summary*

**5.1.1 ANTENNA REQUIREMENT**
*RESULT: Pass*

**5.1.2 MAXIMUM PEAK CONDUCTED OUTPUT POWER**
*RESULT: Pass*

**5.1.3 CONDUCTED POWER SPECTRAL DENSITY**
*RESULT: Pass*

**5.1.4 99%DB BANDWIDTH**
*RESULT: Pass*

**5.1.5 6DB BANDWIDTH**
*RESULT: Pass*

**5.1.6 CONDUCTED SPURIOUS EMISSIONS MEASURED IN 100 KHZ BANDWIDTH**
*RESULT: Pass*

**5.1.7 RADIATED SPURIOUS EMISSION**
*RESULT: Pass*

**5.1.8 CONDUCTED EMISSION ON AC MAINS**
*RESULT: Pass*

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# 1 General Remarks

## 1.1 Complementary Materials

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

Appendix A: Test Results of Bluetooth Low Energy.

Appendix B: Photographs of the Test Set-up

# 2 Test Sites

## 2.1 Test Facilities

**Guangdong Dongdian Testing Service Co.,Ltd.**

Unit 2,Building 1,No.17,Zongbu 2nd Road, Songshan Lake Park, Dongguan ,Guangdong, China,523808

FCC Designation Number: CN1182, Test Firm Registration Number: 540522

IC Registration No.: 10288A and the CAB identifier is CN0048.

This project was subcontracted by TÜV Rheinland (Shenzhen) Co., Ltd. to Guangdong Dongdian Testing Service Co.,Ltd, and all tests items at the test sites have been conducted under the supervision of a TÜV engineer.

## 2.2 List of Test and Measurement Instruments

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

| Equipment | Manufacturer | Model No. | Serial Number | Due Date |
|---|---|---|---|---|
| ☒RF Connected Test (RF Measurement System 3#) | | | | |
| SIGNAL ANALYZER | R&S | FSV40 | 101407 | 2026/07/06 |
| Wideband Radio Communication Tester | R&S | CMW500 | 117491 | 2026/03/28 |
| EXG Analog Signal Generator | KEYSIGHT | N5173B | MY62153058 | 2026/07/06 |
| MXG Vector Signal Generator | Agilent | N5182A | MY48180912 | 2026/03/28 |
| RF Control Unit | Tonscend | JS0806-2 | 20C8060230 | 2026/03/28 |
| TEMP&HUMI Programmable Chamber | ZHIXIANG | ZXGDJS-150L | ZX170110-A | 2026/03/28 |
| Test Software | Tonscend | JS1120-3 | Ver.3.2.22 | N/A |

| Equipment | Manufacturer | Model No. | Serial No. | Cal Due To |
|---|---|---|---|---|
| ☒RF Radiated Spurioue Emissions Test | | | | |
| Micro-Tronics filters | REBES | BRM50702 | DDT-ZC03242 | / |
| RF Cable | N/A | W24.02 HL-562 | DDT-ZC04022 | 2026/03/28 |
| RF cable | Yuhu Technology | JCTB810-NJ-NJ-9M | DDT-ZC02538 | 2026/03/28 |
| RF cable | Zhongke Junchuang | JCT26S-NJ-NJ-1.5M | DDT-ZC02762 | 2026/03/28 |
| RF cable | Yuhu Technology | ZT26S-SMAJ-SMAJ-1M | DDT-ZC02037 | 2026/03/28 |
| RF Cable | N/A | W13.02 AP1-X2 | DDT-ZC04023 | 2026/03/28 |
| Pre-amplifier | COM-POWER | PAM-840A | DDT-ZC01693 | 2026/03/28 |
| Pre-amplifier | COM-POWER | PAM-118A | DDT-ZC01293 | 2025/08/25 |
| High pass filter | Micro-Tronics | HPM50102 | DDT-ZC00561 | 2026/03/28 |
| EMI TEST RECEIVER | R&S | ESU26 | DDT-ZC01909 | 2026/03/28 |
| High pass filter | Micro-Tronics | HPM50108 | DDT-ZC00560 | 2026/03/28 |
| High Pass filter | Xi'an Xingbo | XBLBQ-GTA67 | DDT-ZC02179 | 2026/03/28 |
| Micro-Tronics filters | REBES | BRM50716 | DDT-ZC03240 | / |
| Broad-Band Horn Antenna | Schwarzbeck | BBHA 9170 | DDT-ZC00506 | 2027/04/01 |
| Trilog Broadband Antenna | Schwarzbeck | VULB 9163 | DDT-ZC02050 | 2026/07/11 |
| Hochgewinn-Hornantenne | SCHWARZBECK | BBHA 9120 D | DDT-ZC02129 | 2025/09/18 |
| Active Loop Antenna | Schwarzbeck | FMZB1519 | DDT-ZC00524 | 2025/09/11 |
| PSA Series Spectrum Analyzer | Agilent | E4447A | DDT-ZC00517 | 2026/03/28 |

| Equipment | Manufacturer | Model No. | Serial No. | Cal Due To |
|---|---|---|---|---|
| ☒ Conducted Emissions Test | | | | |
| EMI Test Receiver | R&S | ESCI 3 | DDT-ZC01972 | 2026/03/28 |
| Two Line V-Network | R&S | ENV216 | DDT-ZC00586 | 2026/07/06 |

| | | | | |
|---|---|---|---|---|
| Pulse Limiter | R&S | KH43101 | DDT-ZC00747 | 2026/03/28 |
| Coaxial signal signal cable | H&S | RG214-5 | DDT-ZC01817 | 2026/03/28 |
| Condected Radiated Software | Audix | E3 | DDT-ZC00562 | / |
| Two Line V-Network | R&S | ENV216 | DDT-ZC02058 | 2026/07/06 |

## 2.3 Traceability

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

## 2.4 Calibration

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

## 2.5 Measurement Uncertainty

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

| Parameter | Uncertainty (k=2) |
|---|---|
| Occupied Channel Bandwidth | ± 2.08 % |
| RF output power, conducted | ± 0.99 dB |
| RF power density, conducted | ± 0.99 dB |
| Unwanted Emissions, conducted | ± 0.89 dB |
| All emissions, radiated | ± 4.17 dB |

## 2.6 Location of Original Data

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

## 2.7 Status of Facility Used for Testing

The Guangdong Dongdian Testing Service Co.,Ltd. Test facility located at Unit 2,Building 1,No.17,Zongbu 2nd Road, Songshan Lake Park, Dongguan ,Guangdong, China,523808 is listed on the US Federal Communications Commission list of facilities approved to perform measurements.

# 3 General Product Information

## 3.1 Product Function and Intended Use

The Product is a video camera, which supports Bluetooth LE and 2.4GHz / 5GHz Wi-Fi (802.11 a/b/g/n) functions.

For details refer to the User Manual and Circuit Diagram.

## 3.2 Ratings and System Details

**Table 2: Technical Specification of EUT**

| General Information of EUT | Value |
|---|---|
| Kind of Equipment | Dreame NAVO Care 1 Incam |
| Type Designation | A131 |
| Trademark | DREAME |
| FCC ID | 2AXGD-A131 |
| IC | 26444-A131 |
| HVIN | A131 |
| Operating Voltage: | USB operated (5Vdc, 1A) |
| Test Voltage | AC 120V, 60Hz |
| Operating Temperature Range: | -20 °C ~ +50 °C |
| **Technical Specification of Bluetooth Low Energy** | |
| Operating Frequency | 2402 - 2480 MHz |
| Type of Modulation | GFSK |
| Channel Number | 40 channels |
| Channel Separation | 2MHz |
| Data Rate | 1Mbps |
| Antenna Type | FPC Antenna |
| Antenna Number | 1Tx1Rx |
| Antenna Gain | 2.81 dBi (Provided by the Client) |
| **Technical Specification of 2.4GHz Wi-Fi** | |
| Operating Frequency: | 2412 - 2462 MHz for 802.11b/g/n(HT20) |
| Type of Modulation: | DSSS(DBPSK/DQPSK/CCK)<br>OFDM(BPSK/QPSK/16QAM/64QAM/) |
| Data Rate: | 1/2/5.5/11 Mbps for 802.11b<br>6/9/12/18/24/36/48/54 Mbps for 802.11g<br>MCS0 ~ MCS7 Mbps for 802.11n(HT20) |
| Channel Number: | 11 channels for 802.11b/g/n(HT20) |
| Channel Separation: | 5 MHz |
| Antenna Type: | FPC Antenna |
| Antenna Number: | 1x1 TRX |
| Antenna Gain: | 2.81 dBi (Provided by the Client) |
| **Technical Specification of 5GHz Wi-Fi** | |
| Operating Frequency: | 5180-5240MHz, 5260-5320MHz, 5500-5720MHz, 5745-5825MHz |
| Channel Number: | 5180-5240MHz, 4CHs, 802.11 a/n20<br>5260-5320MHz, 4CHs, 802.11 a/n20<br>5500-5720MHz, 9CHs, 802.11 a/n20<br>5745-5825MHz, 5CHs, 802.11 a/n20<br>Note: 5600-5650MHz band is not used in Canada. |
| Type of Modulation: | OFDM(BPSK/QPSK/16QAM/64QAM/) |

| | |
|---|---|
| Data Rate: | 6/9/12/18/24/36/48/54 Mbps for 802.11a<br>MCS0~MCS7 for 802.11n |
| Channel Separation: | 20MHz |
| DFS | Client without Radar detection |
| Antenna Type: | FPC Antenna |
| Antenna Number: | 1x1 TRX |
| Antenna Gain: | 2.61 dBi (Provided by the Client) |

Note: The correctness of all data provided by customer in the test report is ensured and responsible of the customer. Any misjudgment of the test results caused by the use of incorrect data provided by customer shall be borne by the customer.

**Table 3: RF Channel and Frequency of Bluetooth Low Energy**

| RF Channel | Frequency (MHz) | RF Channel | Frequency (MHz) | RF Channel | Frequency (MHz) | RF Channel | Frequency (MHz) |
|---|---|---|---|---|---|---|---|
| **00** | **2402.00** | 10 | 2422.00 | 20 | 2442.00 | 30 | 2462.00 |
| 01 | 2404.00 | 11 | 2424.00 | 21 | 2444.00 | 31 | 2464.00 |
| 02 | 2406.00 | 12 | 2426.00 | 22 | 2446.00 | 32 | 2466.00 |
| 03 | 2408.00 | 13 | 2428.00 | 23 | 2448.00 | 33 | 2468.00 |
| 04 | 2410.00 | 14 | 2430.00 | 24 | 2450.00 | 34 | 2470.00 |
| 05 | 2412.00 | 15 | 2432.00 | 25 | 2452.00 | 35 | 2472.00 |
| 06 | 2414.00 | 16 | 2434.00 | 26 | 2454.00 | 36 | 2474.00 |
| 07 | 2416.00 | 17 | 2436.00 | 27 | 2456.00 | 37 | 2476.00 |
| 08 | 2418.00 | 18 | 2438.00 | 28 | 2458.00 | 38 | 2478.00 |
| 09 | 2420.00 | **19** | **2440.00** | 29 | 2460.00 | **39** | **2480.00** |

## 3.3 Independent Operation Modes

The basic operation modes are:

A. On, Bluetooth LE transmitting mode
    1. Low channel
    2. Middle channel
    3. High channel

B. On, Bluetooth connecting mode

C. Off

## 3.4 Noise Generating and Noise Suppressing Parts

Refer to Circuit Diagram for further details.

## 3.5 Submitted Documents

- Application Form
- Block Diagram
- FCC/IC Label and Location Info
- Operation Description
- Photo Document
- Schematics
- User Manual

# 4 Test Set-up and Operation Modes

## 4.1 Principle of Configuration Selection

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

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

## 4.2 Test Operation and Test Software

Test operation refers to test setup in chapter 5. All testing were performed according to the procedures in ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024.

## 4.3 Special Accessories and Auxiliary Equipment

**Table 4: List of Accessories and Auxiliary Equipment**

| Description | Manufacturer | Model | S/N or Rating |
|---|---|---|---|
| Laptop | Lenovo | T480 | PF-16A6N8 |
| AC/DC Adapter | HUAWEI | HW-100400C01<br>JB91L6L7S04031 | Input: 100-240V~ 50/60Hz, Output: 5V/2A or 9V/2A or 10V/4A MAX |
| AC Adapter | HUAWEI | HW-050450C00 | Input: 100-240V~ 50/60Hz, Output: 5V/2A or 4.5V/5A or 5V/4.5A |

## 4.4 Countermeasures to Achieve EMC Compliance

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

No additional measures were employed to achieve compliance.

## 4.5 Test Setup Diagram

**Diagram of Measurement Configuration for Radiation Test (Below 30MHz)**

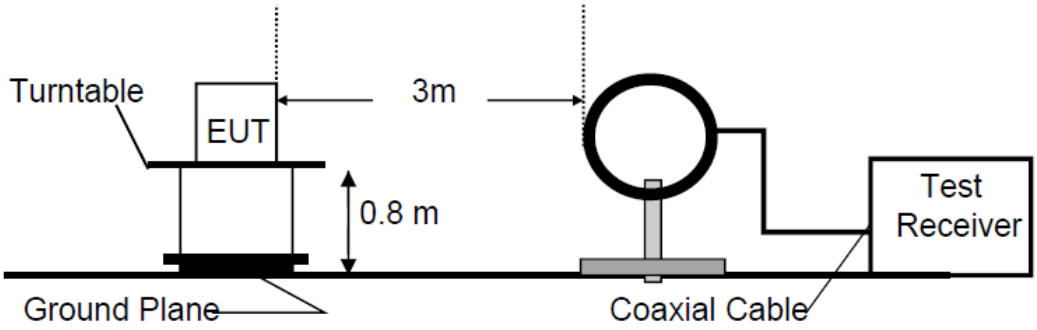



**Diagram of Measurement Configuration for Radiation Test (Below 1GHz)**

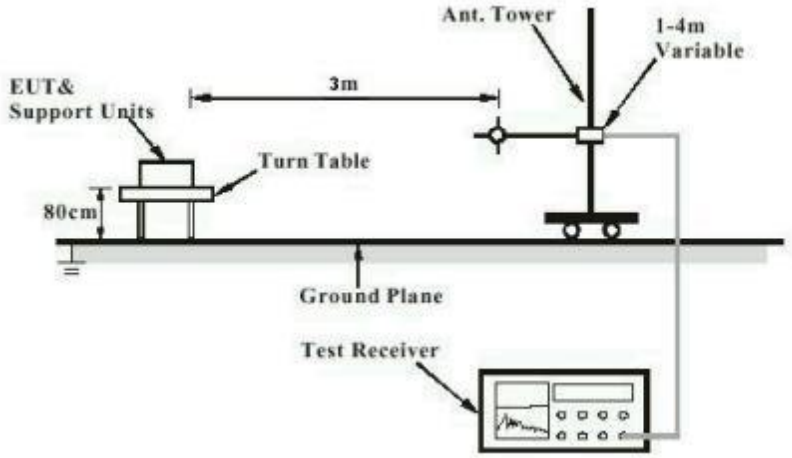



**Diagram of Measurement Configuration for Radiation Test (Above 1GHz)**

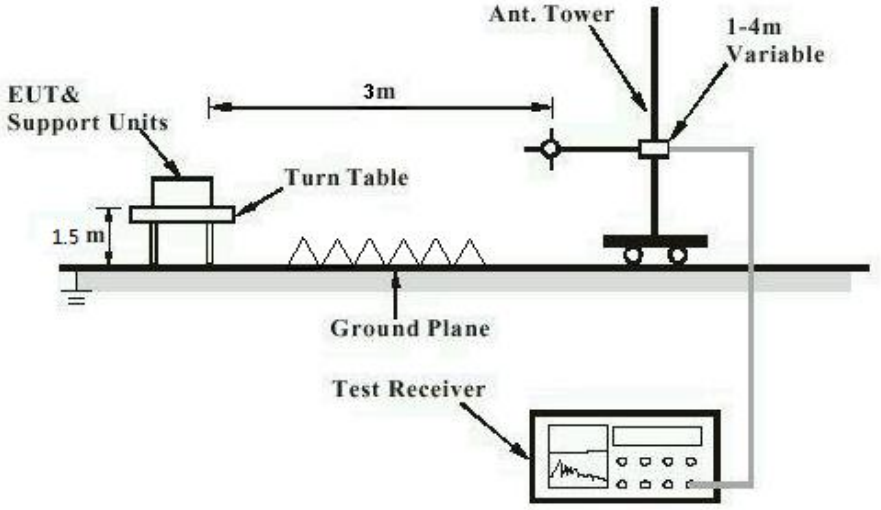


**Diagram of Measurement Configuration for Conducted Transmitter Measurement**

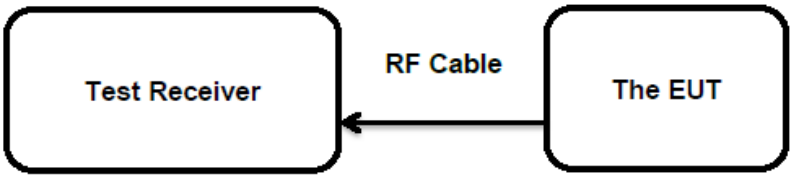
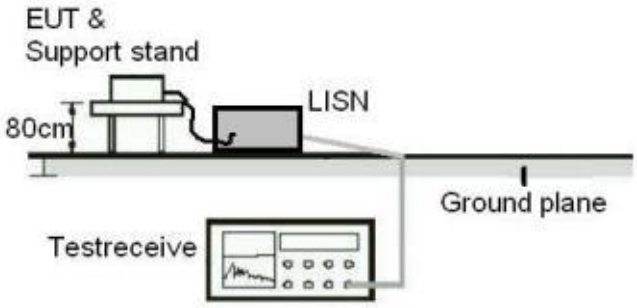



**Diagram of Measurement Equipment Configuration for Mains Conduction Measurement**



# 5 Test Results

## 5.1 Transmitter Requirement & Test Suites

### 5.1.1 Antenna Requirement

**RESULT:** **Pass**

**Test Specification**

| | | |
|---|---|---|
| Test standard | : | FCC Part 15.247(b)(4) and Part 15.203<br>RSS-Gen Clause 6.7 |
| Limit | : | the use of antennas with directional gains that do not exceed 6 dBi |

According to the manufacturer declared, the EUT has one FPC antenna, the directional gain of antennas is 2.81 dBi for 2.4GHz band and 2.61dBi for 5GHz band, and the antenna connector is designed with permanent attachment and no consideration of replacement. Therefore the EUT is considered sufficient to comply with the provision.

Refer to EUT Photo for further details.

## 5.1.2 Maximum Peak Conducted Output Power

**RESULT:** **Pass**

**Test Specification**

| | | |
|---|---|---|
| Test standard | : | FCC Part 15.247(b)(3)<br>RSS-247 Clause 5.4(d) |
| Basic standard | : | ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 |
| Limits | : | < 1 Watt (Maximum Conducted Peak Power)<br>e.i.r.p. <4W |
| Kind of test site | : | Shielded Room |

**Test Setup**

| | | |
|---|---|---|
| Date of testing | : | 2025-08-11 to 2025-09-17 |
| Input voltage | : | AC 120V, 60Hz |
| Operation mode | : | A |
| Test channel | : | Low / Middle / High |
| Ambient temperature | : | 26.5 ℃ |
| Relative humidity | : | 43.8 % |
| Atmospheric pressure | : | 101 kPa |

For details refer to following test result.

**Table 5: Test Result of Maximum Peak Conducted Output Power**

| Data Rate | Test Channel (MHz) | Measured Peak Power | | Limit (W) |
|---|---|---|---|---|
| | | (dBm) | (W) | |
| 1 Mbps | 2402 | 6.88 | 0.00488 | < 1.0 |
| | 2440 | 6.39 | 0.00436 | |
| | 2480 | 5.39 | 0.00346 | |
| **Maximum Measured Value** | | 6.88 | 0.00488 | |

Note: The cable loss is taken into account in results and the maximum e.i.r.p. is 9.69 dBm less than 4W (36 dBm).

Note:
1) The cable loss is taken into account in results.
2) Antenna gain(G): 2.81 dBi

## 5.1.3 Conducted Power Spectral Density

**RESULT:** **Pass**

**Test Specification**

| | | |
|---|---|---|
| Test standard | : | FCC Part 15.247(e)<br>RSS-247 Clause 5.2(b) |
| Basic standard | : | ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 |
| Limits | : | 8 dBm / 3kHz |
| Kind of test site | : | Shielded Room |

**Test Setup**

| | | |
|---|---|---|
| Date of testing | : | 2025-08-11 to 2025-09-17 |
| Input voltage | : | AC 120V, 60Hz |
| Operation mode | : | A |
| Test channel | : | Low / Middle / High |
| Ambient temperature | : | 26.5 ℃ |
| Relative humidity | : | 43.8 % |
| Atmospheric pressure | : | 101 kPa |

For the measurement records, refer to the appendix A.

**Table 6: Test Result of Conducted Power Spectral Density**

| Data Rate | Channel Frequency (MHz) | Measured Conducted Power Spectral Density (dBm / 3kHz) | Limit |
|---|---|---|---|
| 1 Mbps | 2402 | -11.92 | 8 dBm / 3kHz |
| | 2440 | -11.24 | |
| | 2480 | -10.63 | |

## 5.1.4 99%dB Bandwidth

**RESULT:** **Pass**

**Test Specification**

| | | |
|---|---|---|
| Test standard | : | RSS-Gen clause 6.7 |
| Basic standard | : | ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 |
| Kind of test site | : | Shielded Room |

**Test Setup**

| | | |
|---|---|---|
| Date of testing | : | 2025-08-11 to 2025-09-17 |
| Input voltage | : | AC 120V, 60Hz |
| Operation mode | : | A |
| Test channel | : | Low / Middle / High |
| Ambient temperature | : | 26.5 ℃ |
| Relative humidity | : | 43.8 % |
| Atmospheric pressure | : | 101 kPa |

For the measurement records, refer to the appendix A.

**Table 7: Test Result of 99% Bandwidth**

| Data Rate | Channel Frequency (MHz) | Measured 99% Bandwidth (MHz) | Limit |
|---|---|---|---|
| 1 Mbps | 2402 | 1.0549 | / |
| | 2440 | 1.0430 | |
| | 2480 | 1.0549 | |

## 5.1.5 6dB Bandwidth

**RESULT:** **Pass**

**Test Specification**

| | | |
|---|---|---|
| Test standard | : | FCC Part 15.247(a)(2)<br>RSS-247 Clause 5.2(a) |
| Basic standard | : | ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 |
| Kind of test site | : | Shielded Room |

**Test Setup**

| | | |
|---|---|---|
| Date of testing | : | 2025-08-11 to 2025-09-17 |
| Input voltage | : | AC 120V, 60Hz |
| Operation mode | : | A |
| Test channel | : | Low / Middle / High |
| Ambient temperature | : | 26.5 ℃ |
| Relative humidity | : | 43.8 % |
| Atmospheric pressure | : | 101 kPa |

For the measurement records, refer to the appendix A .

**Table 8: Test Result of 6dB Bandwidth**

| Data Rate | Channel Frequency (MHz) | Measured 6dB Bandwidth (MHz) | Limit |
|---|---|---|---|
| 1 Mbps | 2402 | 0.64 | >500kHz |
| | 2440 | 0.58 | |
| | 2480 | 0.58 | |

## 5.1.6 Conducted Spurious Emissions Measured in 100 kHz Bandwidth

**RESULT:** **Pass**

**Test Specification**

| | | |
|---|---|---|
| Test standard | : | FCC Part 15.247(d)<br>RSS-247 Clause 5.5 |
| Basic standard | : | ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 |
| Limits | : | 20dB (below that in the 100kHz bandwidth within the band that contains the highest level of the desired power);<br>In addition, radiated emissions which fall in the restricted bands, must also comply with the radiated emission limits specified in 15.209(a) |
| Kind of test site | : | Shielded Room |

**Test Setup**

| | | |
|---|---|---|
| Date of testing | : | 2025-08-11 to 2025-09-17 |
| Input voltage | : | AC 120V, 60Hz |
| Operation mode | : | A |
| Test channel | : | Low / Middle / High |
| Ambient temperature | : | 26.5 ℃ |
| Relative humidity | : | 43.8 % |
| Atmospheric pressure | : | 101 kPa |

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

For the measurement records, refer to the appendix A.

## 5.1.7 Radiated Spurious Emission

**RESULT:** **Pass**

**Test Specification**

| | | |
|---|---|---|
| Test standard | : | FCC Part 15.247(d) & FCC Part 15.205<br>RSS-247 Clause 3.3 & 5.5 |
| Basic standard | : | ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 |
| Limits | : | Refer to 15.209(a) of FCC part 15.247(d)<br>RSS-Gen Table 4 & Table 5 |
| Kind of test site | : | 3m Semi-anechoic Chamber |

**Test Setup**

| | | |
|---|---|---|
| Date of testing | : | 2025-08-11 to 2025-09-17 |
| Input voltage | : | AC 120V, 60Hz |
| Operation mode | : | A |
| Test channel | : | Low / Middle / High |
| Ambient temperature | : | Refer to test result |
| Relative humidity | : | Refer to test result |
| Atmospheric pressure | : | 101 kPa |

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

For the measurement records, refer to the appendix A .

## 5.1.8 Conducted Emission on AC Mains

**RESULT:** **Pass**

**Test Specification**

| | | |
|---|---|---|
| Test standard | : | FCC Part 15.207(a)<br>RSS-Gen Clause 8.8 |
| Basic standard | : | ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 |
| Frequency range | : | 0.15 – 30MHz |
| Limits | : | FCC Part 15.207(a)<br>RSS-Gen Table 4 |
| Kind of test site | : | Shielded Room |

**Test Setup**

| | | |
|---|---|---|
| Date of testing | : | 2025-08-11 to 2025-09-17 |
| Input voltage | : | AC 120V, 60Hz |
| Operation mode | : | B |
| Earthing | : | Not connected |
| Ambient temperature | : | 22.3 ℃ |
| Relative humidity | : | 51.5 % |
| Atmospheric pressure | : | 101 kPa |

For the measurement records, refer to the appendix A.

# 6 Photographs of the Test Set-Up

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

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# Appendix A: Test Results of Bluetooth Low Energy

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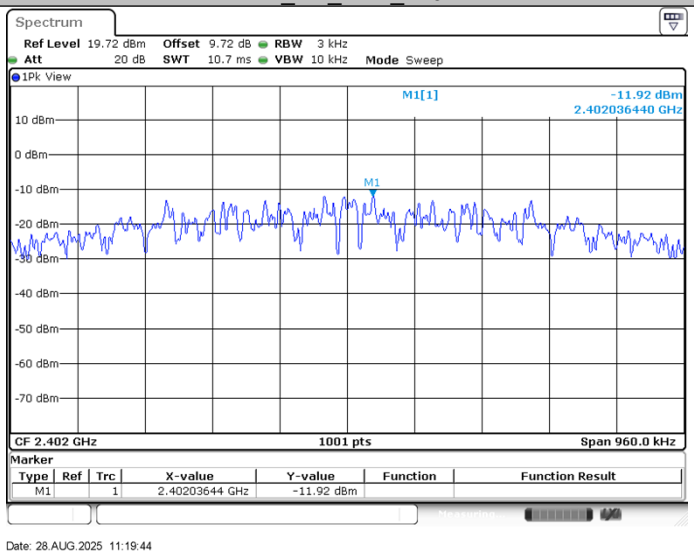
## Appendix A.1: Test Results of Conducted Power Spectral Density

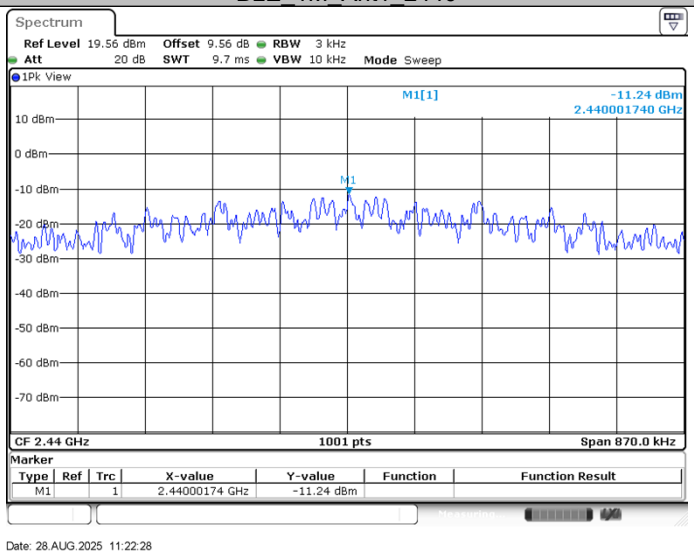
Bluetooth LE Mode, 1Mbps

| Test Mode | Antenna | Frequency [MHz] | Result [dBm/3kHz] | Limit [dBm/3kHz] | Verdict |
|---|---|---|---|---|---|
| BLE_1M | Ant1 | 2402 | -11.92 | ≤8.00 | PASS |
| | | 2440 | -11.24 | ≤8.00 | PASS |
| | | 2480 | -10.63 | ≤8.00 | PASS |

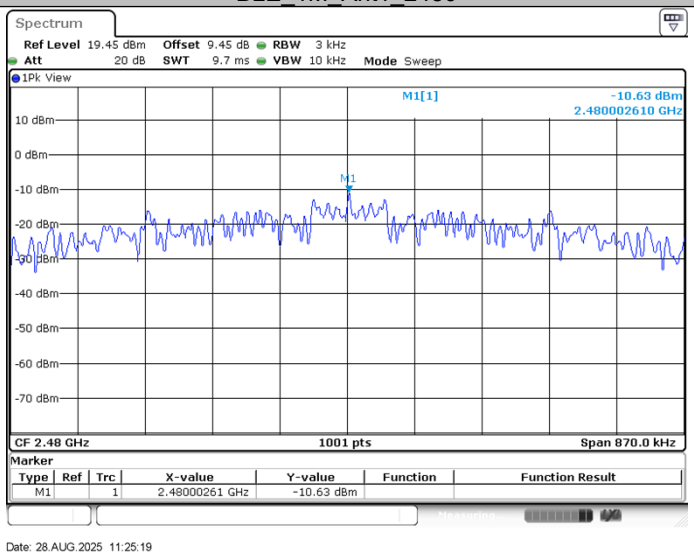
BLE_1M_Ant1_2402




BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

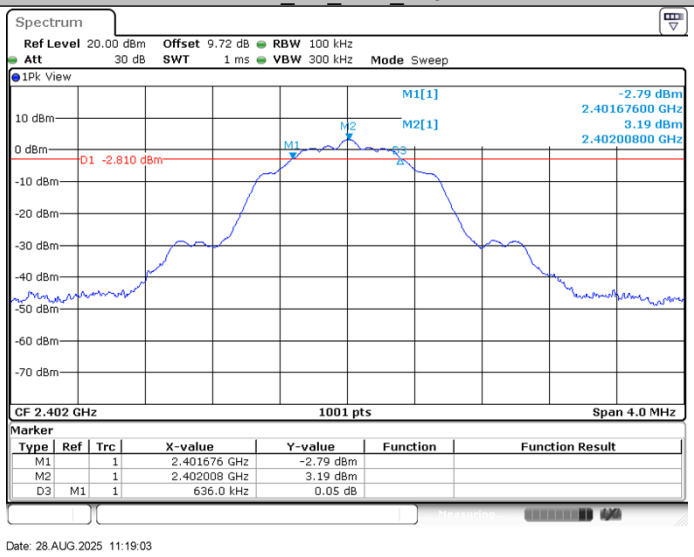


## Appendix A.2: Test Results of 6dB Bandwidth

Bluetooth LE Mode, 1Mbps

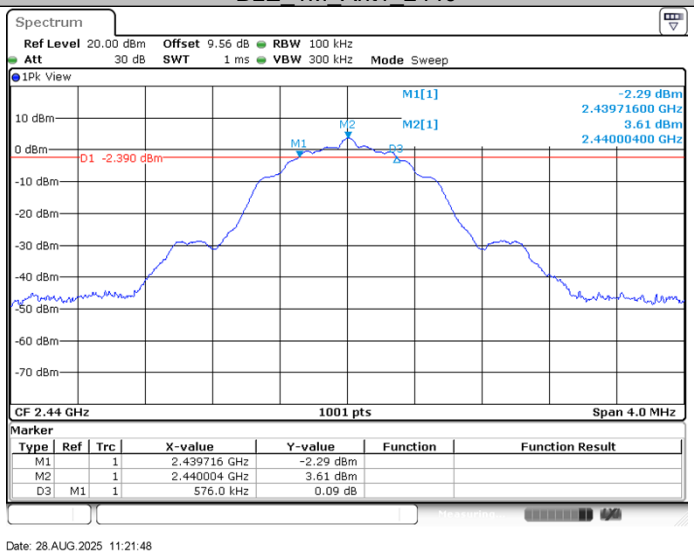
| Test Mode | Antenna | Frequency [MHz] | DTS BW [MHz] | FL[MHz] | FH[MHz] | Limit [MHz] | Verdict |
|---|---|---|---|---|---|---|---|
| BLE_1M | Ant1 | 2402 | 0.64 | 2401.68 | 2402.31 | 0.5 | PASS |
| | | 2440 | 0.58 | 2439.72 | 2440.29 | 0.5 | PASS |
| | | 2480 | 0.58 | 2479.72 | 2480.29 | 0.5 | PASS |

BLE_1M_Ant1_2402



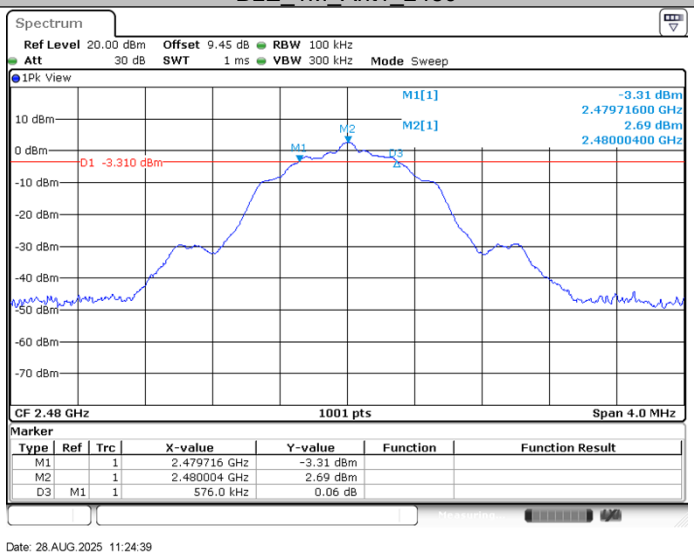

Date: 28.AUG.2025 11:19:03

BLE_1M_Ant1_2440




Date: 28.AUG.2025 11:21:48

BLE_1M_Ant1_2480

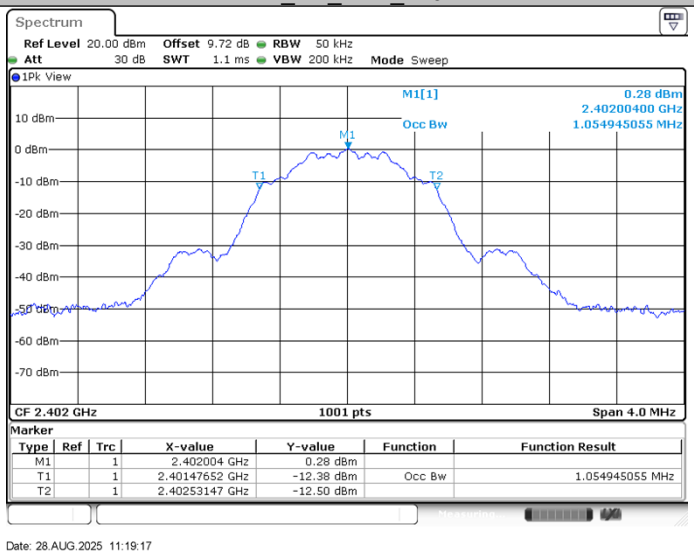


## Appendix A.3: Test Results of 99% Bandwidth

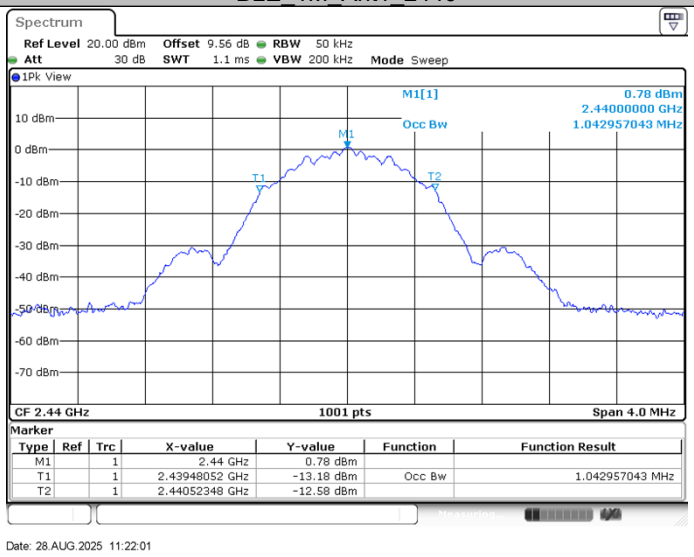
Bluetooth LE Mode, 1Mbps

| Test Mode | Antenna | Frequency [MHz] | OCB [MHz] | FL[MHz] | FH[MHz] | Limit [MHz] | Verdict |
|---|---|---|---|---|---|---|---|
| BLE_1M | Ant1 | 2402 | 1.0549 | 2401.4765 | 2402.5315 | --- | --- |
| | | 2440 | 1.0430 | 2439.4805 | 2440.5235 | --- | --- |
| | | 2480 | 1.0549 | 2479.4765 | 2480.5315 | --- | --- |

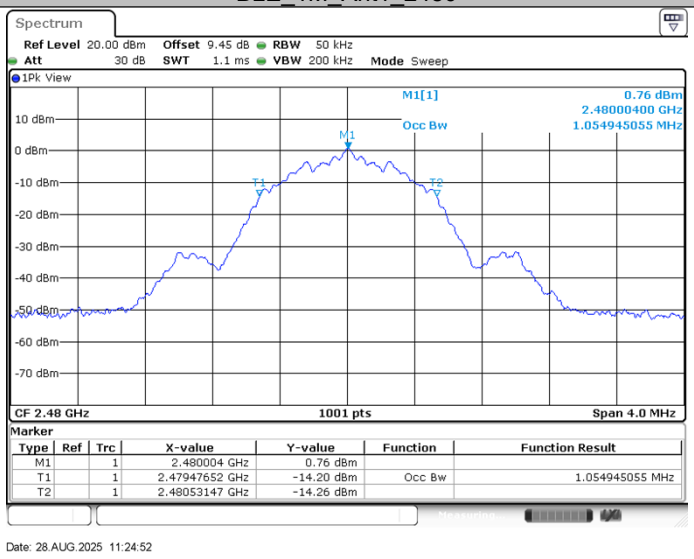
BLE_1M_Ant1_2402




BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

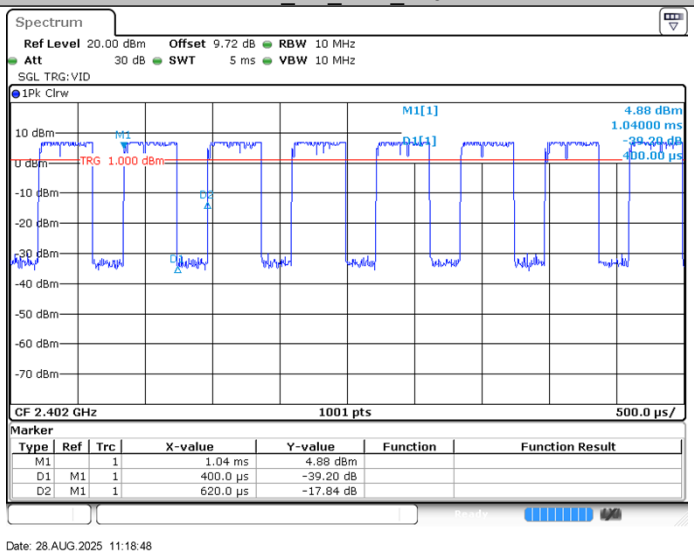


## Appendix A.4: Test Results of Duty Cycle

Bluetooth LE Mode, 1Mbps

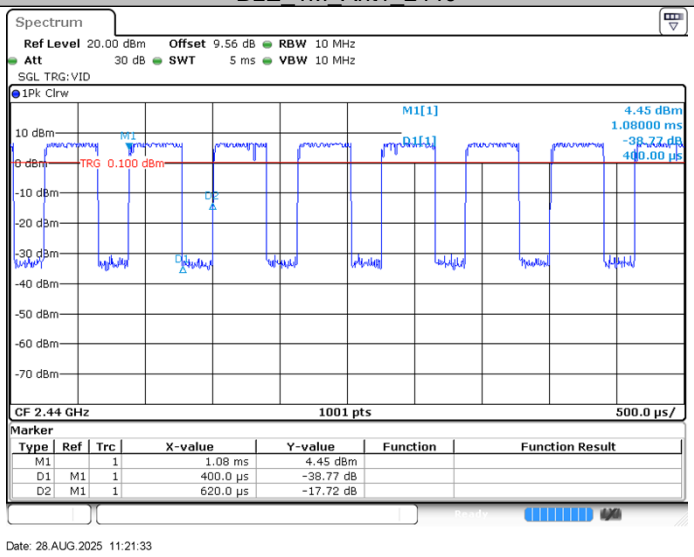
| Test Mode | Antenna | Frequency [MHz] | ON Time [ms] | Period [ms] | Duty Cycle [%] | Duty Cycle Factor[dB] |
|---|---|---|---|---|---|---|
| BLE_1M | Ant1 | 2402 | 0.40 | 0.62 | 64.52 | 1.90 |
| | | 2440 | 0.40 | 0.62 | 64.52 | 1.90 |
| | | 2480 | 0.40 | 0.62 | 64.52 | 1.90 |

BLE_1M_Ant1_2402



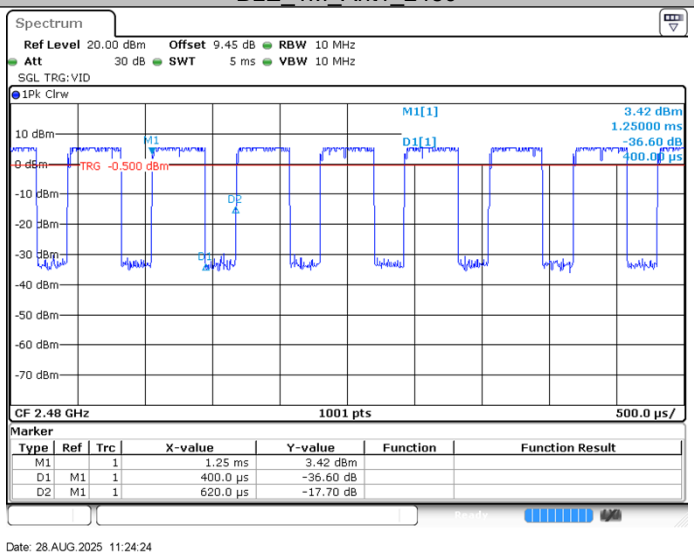

Date: 28.AUG.2025 11:18:48

BLE_1M_Ant1_2440




Date: 28.AUG.2025 11:21:33

BLE_1M_Ant1_2480



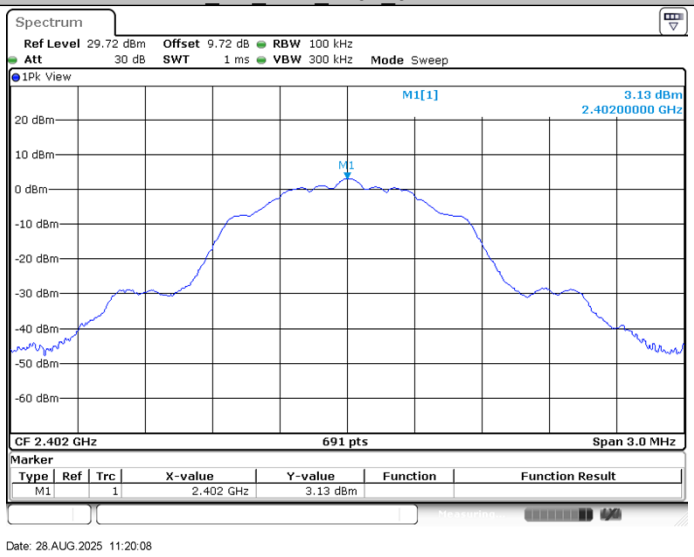
## Appendix A.5: Test Results of Conducted Spurious Emissions Measured in 100 kHz Bandwidth

Bluetooth LE Mode, 1Mbps

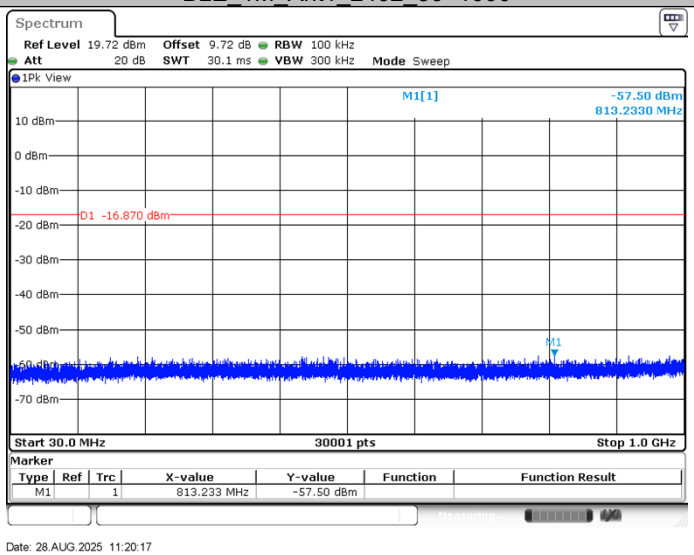
### Conducted Spurious Emissions

| Mode | Frequency [MHz] | Verdict |
|---|---|---|
| GFSK 1M | 2402 | Pass |
| | 2440 | Pass |
| | 2480 | Pass |

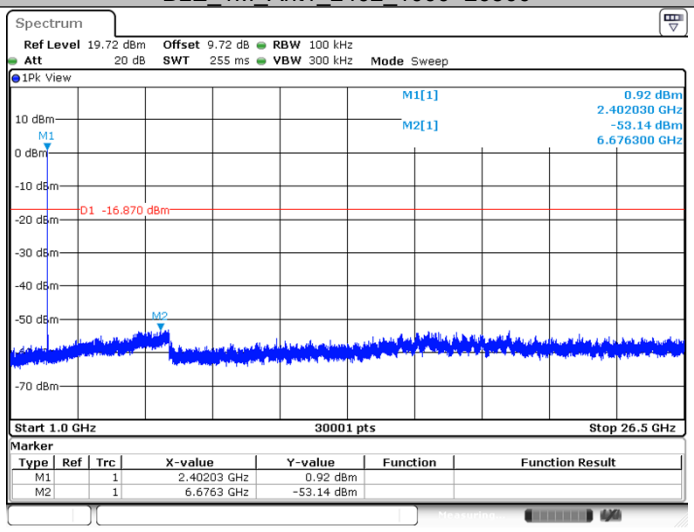
BLE_1M_Ant1_2402_0~Reference




BLE_1M_Ant1_2402_30~1000

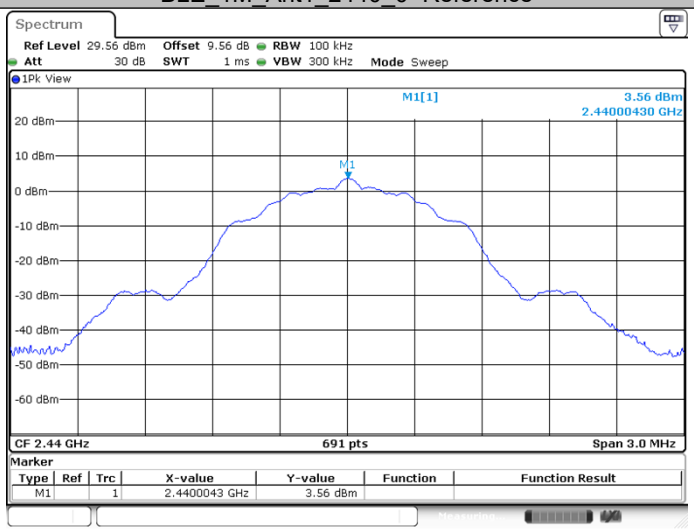


BLE_1M_Ant1_2402_1000~26500



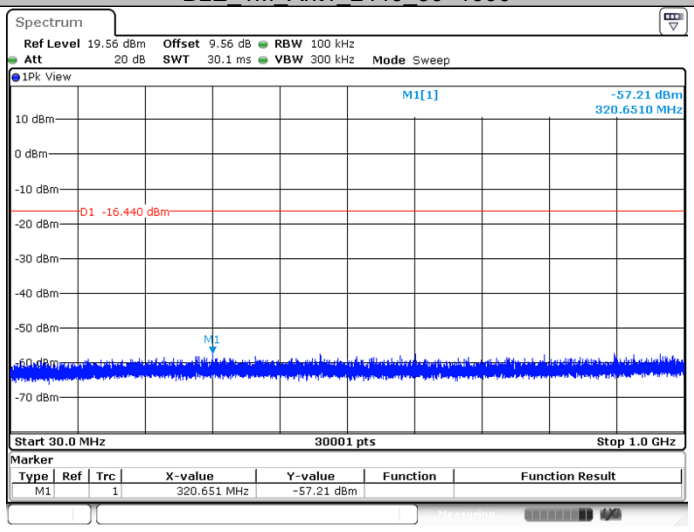

Date: 28.AUG.2025 11:20:39

BLE_1M_Ant1_2440_0~Reference



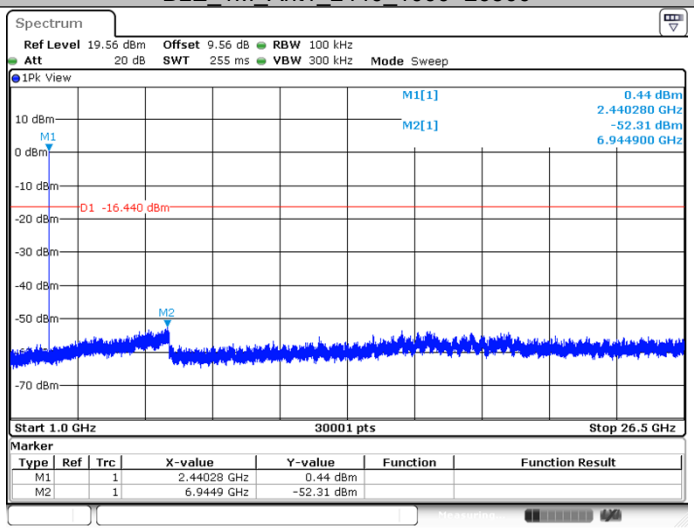

Date: 28.AUG.2025 11:22:36

BLE_1M_Ant1_2440_30~1000



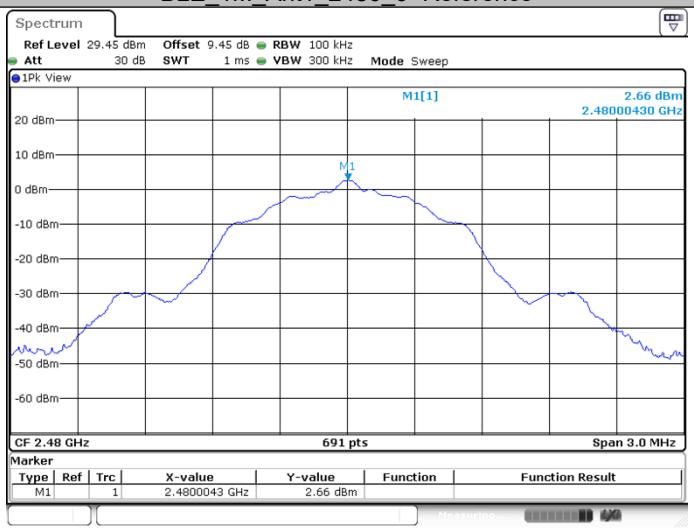

Date: 28.AUG.2025 11:22:45

BLE_1M_Ant1_2440_1000~26500



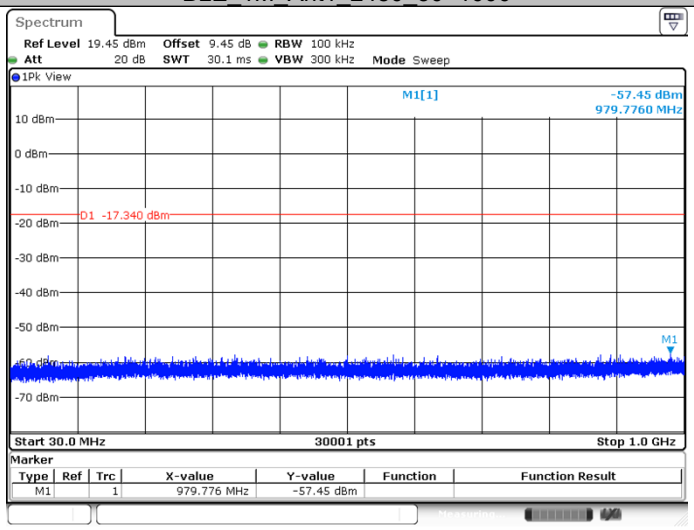

Date: 28.AUG.2025 11:23:07

BLE_1M_Ant1_2480_0~Reference



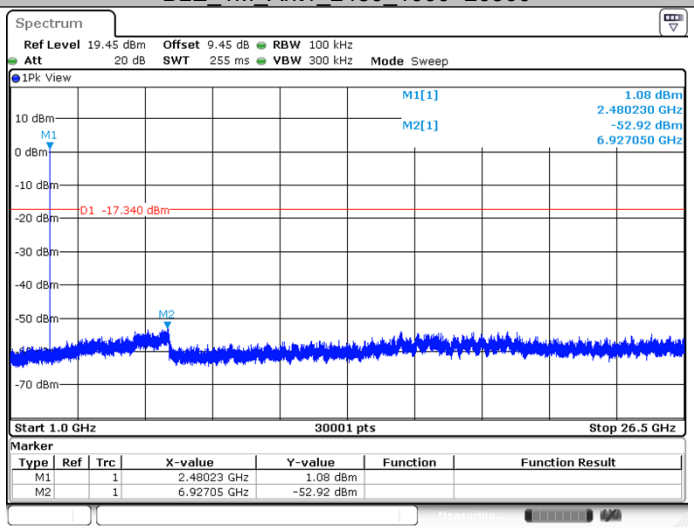

Date: 28.AUG.2025 11:25:43

BLE_1M_Ant1_2480_30~1000




Date: 28.AUG.2025 11:25:52

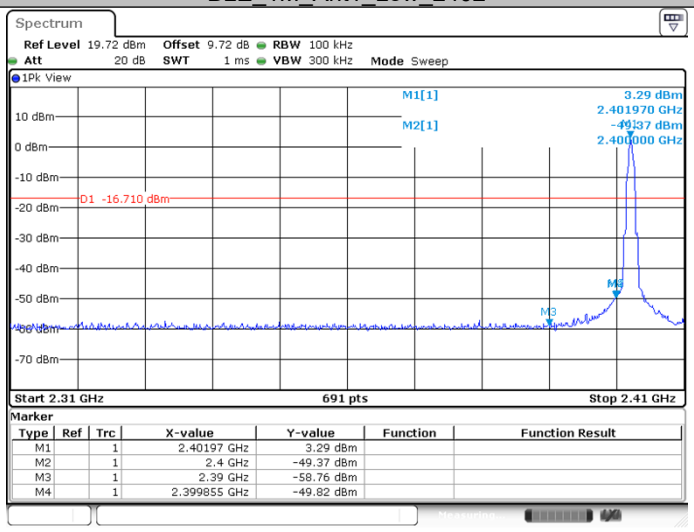
BLE_1M_Ant1_2480_1000~26500



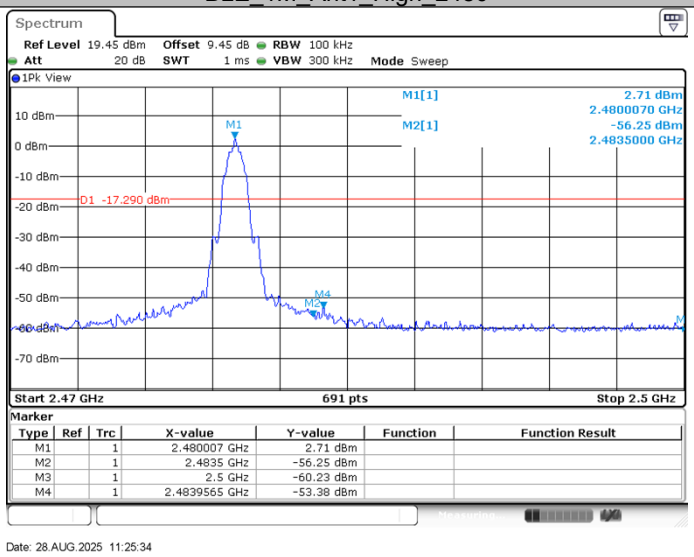

## Band Edge Compliance (Conducted Method)

| Mode | Frequency [MHz] | Measured Range | Verdict |
|---|---|---|---|
| GFSK 1M | 2402 | 2.310 GHz - 2.410 GHz | Pass |
| | 2480 | 2.470 GHz - 2.500 GHz | Pass |

BLE_1M_Ant1_Low_2402



BLE_1M_Ant1_High_2480

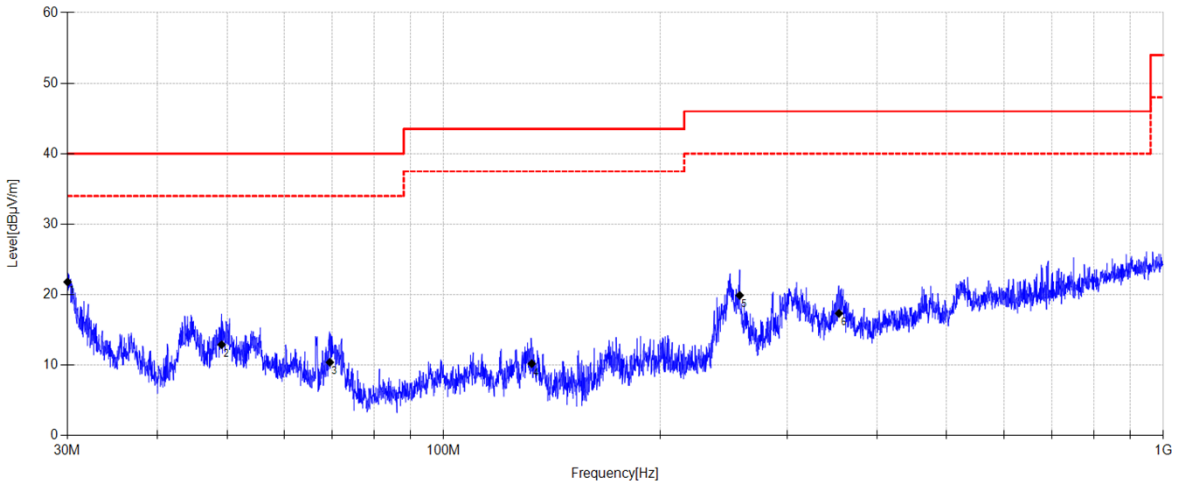


## Appendix A.6: Test Results of Radiated Spurious Emissions

Note:
1) This testing was carried out on different modulations, but only the worst case was presented in this report.
2) Testing was carried out within frequency range 9kHz to the tenth harmonics. The measurement results below 30MHz and 18GHz - 26.5GHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 18GHz were reported.

30 MHz - 1GHz

| | | | |
|---|---|---|---|
| **Test Date**: | 2025-09-17 | **Tested By**: | Nan Zhong |
| **EUT**: | Dreame NAVO Care 1 Incam | **Model Number**: | A131 |
| **Test Mode**: | TX BLE1M Mode | **Power Supply**: | AC 120V/60Hz |
| **Condition**: | Temp:24.2°C;Humi:45.2% | **Test Site**: | DDT 3# Chamber |
| **File Path**: | d:\ts\2025 report date\Q25080710-4E\FCC BELOW1G\26 | | |
| **Memo**: | Sample Numble:S25080710-003 | | |

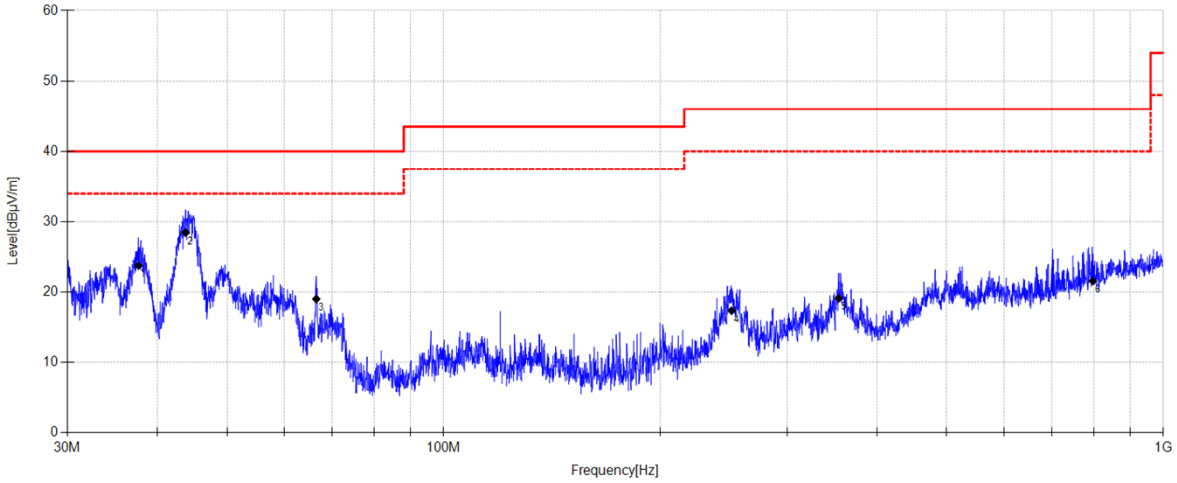



**Final Data List**

| NO. | Freq. [MHz] | Reading [dBµV/m] | Antenna Factor [dB] | Cable Loss [dB] | Result [dBµV/m] | Limit [dBµV/m] | Margin [dB] | Detector | Polarity |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 30.021 | 39.88 | 10.50 | 3.72 | 21.80 | 40.00 | 18.20 | QP | Horizontal |
| 2 | 49.147 | 27.76 | 13.57 | 3.87 | 12.90 | 40.00 | 27.10 | QP | Horizontal |
| 3 | 69.491 | 28.58 | 10.11 | 4.01 | 10.40 | 40.00 | 29.60 | QP | Horizontal |
| 4 | 132.553 | 29.78 | 8.48 | 4.28 | 10.21 | 43.50 | 33.29 | QP | Horizontal |
| 5 | 257.853 | 35.23 | 12.20 | 4.86 | 19.89 | 46.00 | 26.11 | QP | Horizontal |
| 6 | 354.257 | 29.38 | 15.04 | 5.37 | 17.34 | 46.00 | 28.66 | QP | Horizontal |

Note:
1. Result Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

| | | | |
|---|---|---|---|
| **Test Date**: | 2025-09-17 | **Tested By**: | Nan Zhong |
| **EUT**: | Dreame NAVO Care 1 Incam | **Model Number**: | A131 |
| **Test Mode**: | TX BLE1M Mode | **Power Supply**: | AC 120V/60Hz |
| **Condition**: | Temp:24.2°C;Humi:45.2% | **Test Site**: | DDT 3# Chamber |
| **File Path**: | d:\ts\2025 report date\Q25080710-4E\FCC BELOW1G\27 | | |
| **Memo**: | Sample Numble:S25080710-003 | | |



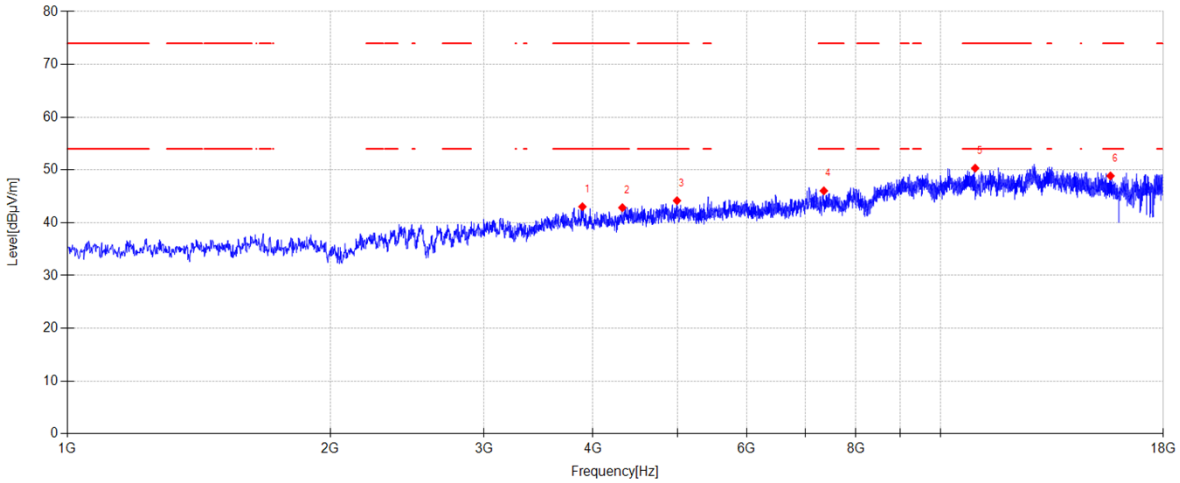

**Final Data List**

| NO. | Freq. [MHz] | Reading [dBµV/m] | Antenna Factor [dB] | Cable Loss [dB] | Result [dBµV/m] | Limit [dBµV/m] | Margin [dB] | Detector | Polarity |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 37.678 | 40.09 | 12.20 | 3.78 | 23.77 | 40.00 | 16.23 | QP | Vertical |
| 2 | 43.809 | 43.46 | 13.46 | 3.83 | 28.45 | 40.00 | 11.55 | QP | Vertical |
| 3 | 66.535 | 36.56 | 10.77 | 3.99 | 19.02 | 40.00 | 20.98 | QP | Vertical |
| 4 | 251.250 | 32.97 | 11.97 | 4.81 | 17.35 | 46.00 | 28.65 | QP | Vertical |
| 5 | 354.008 | 31.22 | 14.98 | 5.37 | 19.12 | 46.00 | 26.88 | QP | Vertical |
| 6 | 797.896 | 27.11 | 20.13 | 6.85 | 21.58 | 46.00 | 24.42 | QP | Vertical |

Note:
1. Result Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

1GHz - 18GHz
Note: The highest waveform in the figure is Bluetooth Fundamental.

| | | | |
|---|---|---|---|
| **Test Date**: | 2025-08-18 | **Tested By**: | Nan Zhong |
| **EUT**: | Dreame NAVO Care 1 Incam | **Model Number**: | A131 |
| **Test Mode**: | TX BLE1M 2402MHz Mode | **Power Supply**: | AC 120V/60Hz |
| **Condition**: | Temp:24.2°C;Humi:45.2% | **Test Site**: | DDT 3# Chamber |
| **File Path**: | d:\ts\2025 report date\Q25080710-4E\FCC ABOVE1G BLE\1 | | |
| **Memo**: | Sample Numble:S25080710-003 Power Setting:NA | | |

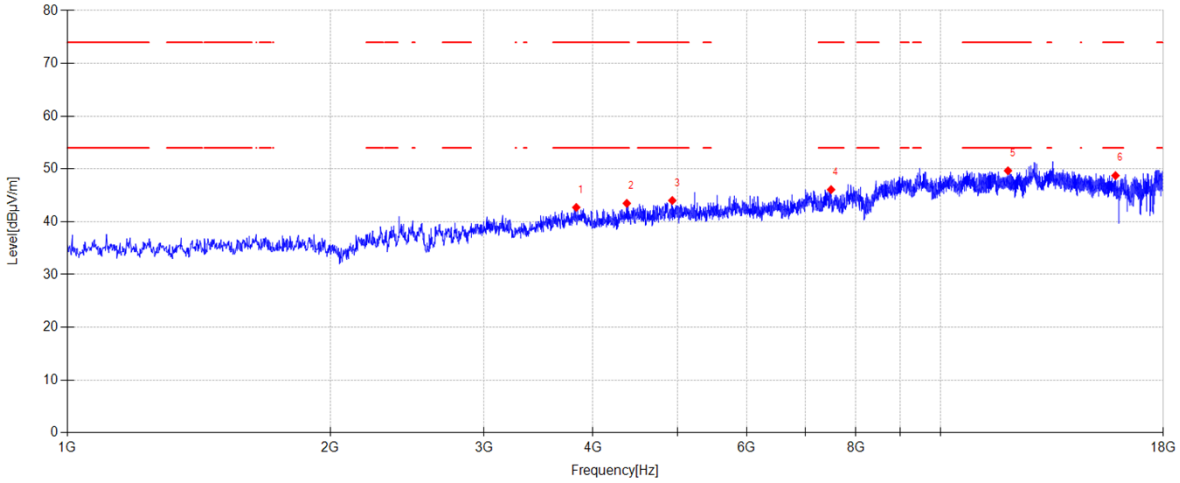



**Suspected Data List**

| NO. | Freq. [MHz] | Reading [dBµV/m] | Antenna Factor [dB] | Cable loss [dB] | AMP [dB] | Level [dBµV/m] | Limit [dBµV/m] | Margin [dB] | Detector | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3890.000 | 46.48 | 31.14 | 5.07 | -39.65 | 43.04 | 74.00 | 30.96 | PK | Horizontal |
| 2 | 4321.800 | 45.66 | 31.60 | 5.24 | -39.65 | 42.85 | 74.00 | 31.15 | PK | Horizontal |
| 3 | 4991.600 | 44.96 | 33.18 | 5.64 | -39.60 | 44.18 | 74.00 | 29.82 | PK | Horizontal |
| 4 | 7352.900 | 43.30 | 36.79 | 6.63 | -40.68 | 46.04 | 74.00 | 27.96 | PK | Horizontal |
| 5 | 10958.600 | 41.95 | 39.30 | 8.11 | -39.02 | 50.34 | 74.00 | 23.66 | PK | Horizontal |
| 6 | 15659.100 | 39.81 | 38.54 | 9.92 | -39.40 | 48.87 | 74.00 | 25.13 | PK | Horizontal |

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

| | | | |
|---|---|---|---|
| **Test Date**: | 2025-08-18 | **Tested By**: | Nan Zhong |
| **EUT**: | Dreame NAVO Care 1 Incam | **Model Number**: | A131 |
| **Test Mode**: | TX BLE1M 2402MHz Mode | **Power Supply**: | AC 120V/60Hz |
| **Condition**: | Temp:24.2°C;Humi:45.2% | **Test Site**: | DDT 3# Chamber |
| **File Path**: | d:\ts\2025 report date\Q25080710-4E\FCC ABOVE1G BLE\2 | | |
| **Memo**: | Sample Numble:S25080710-003 Power Setting:NA | | |

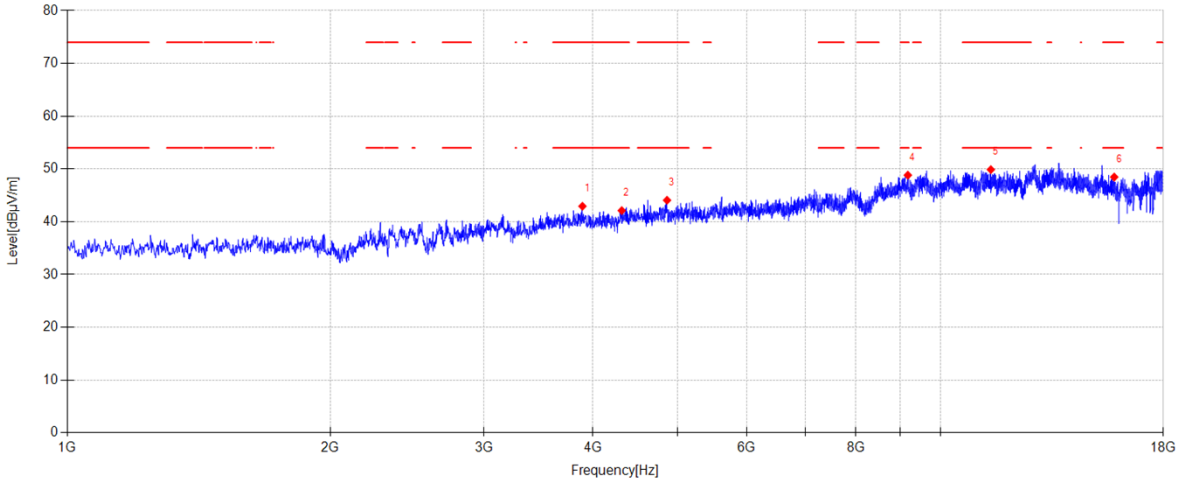



**Suspected Data List**

| NO. | Freq. [MHz] | Reading [dBµV/m] | Antenna Factor [dB] | Cable loss [dB] | AMP [dB] | Level [dBµV/m] | Limit [dBµV/m] | Margin [dB] | Detector | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3827.100 | 46.46 | 30.81 | 5.08 | -39.64 | 42.71 | 74.00 | 31.29 | PK | Vertical |
| 2 | 4372.800 | 46.21 | 31.65 | 5.27 | -39.65 | 43.48 | 74.00 | 30.52 | PK | Vertical |
| 3 | 4930.400 | 44.96 | 33.06 | 5.61 | -39.61 | 44.02 | 74.00 | 29.98 | PK | Vertical |
| 4 | 7494.000 | 43.43 | 36.51 | 6.70 | -40.56 | 46.08 | 74.00 | 27.92 | PK | Vertical |
| 5 | 11949.700 | 41.83 | 39.05 | 8.73 | -39.95 | 49.66 | 74.00 | 24.34 | PK | Vertical |
| 6 | 15864.800 | 39.91 | 38.17 | 10.06 | -39.40 | 48.74 | 74.00 | 25.26 | PK | Vertical |

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

| | | | |
|---|---|---|---|
| **Test Date**: | 2025-08-18 | **Tested By**: | Nan Zhong |
| **EUT**: | Dreame NAVO Care 1 Incam | **Model Number**: | A131 |
| **Test Mode**: | TX BLE1M 2440MHz Mode | **Power Supply**: | AC 120V/60Hz |
| **Condition**: | Temp:24.2°C;Humi:45.2% | **Test Site**: | DDT 3# Chamber |
| **File Path**: | d:\ts\2025 report date\Q25080710-4E\FCC ABOVE1G BLE\5 | | |
| **Memo**: | Sample Numble:S25080710-003 Power Setting:NA | | |

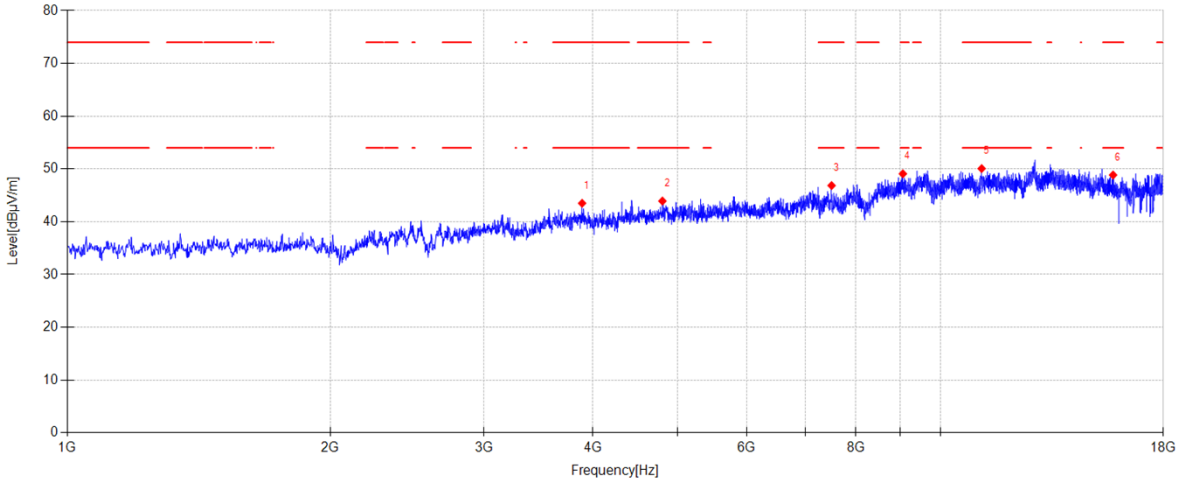



**Suspected Data List**

| NO. | Freq. [MHz] | Reading [dBµV/m] | Antenna Factor [dB] | Cable loss [dB] | AMP [dB] | Level [dBµV/m] | Limit [dBµV/m] | Margin [dB] | Detector | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3890.000 | 46.38 | 31.14 | 5.07 | -39.65 | 42.94 | 74.00 | 31.06 | PK | Horizontal |
| 2 | 4315.000 | 44.92 | 31.60 | 5.24 | -39.65 | 42.11 | 74.00 | 31.89 | PK | Horizontal |
| 3 | 4862.400 | 44.51 | 33.60 | 5.57 | -39.61 | 44.07 | 74.00 | 29.93 | PK | Horizontal |
| 4 | 9175.300 | 41.85 | 38.55 | 7.36 | -38.94 | 48.82 | 74.00 | 25.18 | PK | Horizontal |
| 5 | 11421.000 | 41.62 | 39.28 | 8.40 | -39.42 | 49.88 | 74.00 | 24.12 | PK | Horizontal |
| 6 | 15812.100 | 39.57 | 38.28 | 10.02 | -39.40 | 48.47 | 74.00 | 25.53 | PK | Horizontal |

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

| | | | |
|---|---|---|---|
| **Test Date**: | 2025-08-18 | **Tested By**: | Nan Zhong |
| **EUT**: | Dreame NAVO Care 1 Incam | **Model Number**: | A131 |
| **Test Mode**: | TX BLE1M 2440MHz Mode | **Power Supply**: | AC 120V/60Hz |
| **Condition**: | Temp:24.2°C;Humi:45.2% | **Test Site**: | DDT 3# Chamber |
| **File Path**: | d:\ts\2025 report date\Q25080710-4E\FCC ABOVE1G BLE\6 | | |
| **Memo**: | Sample Numble:S25080710-003 Power Setting:NA | | |

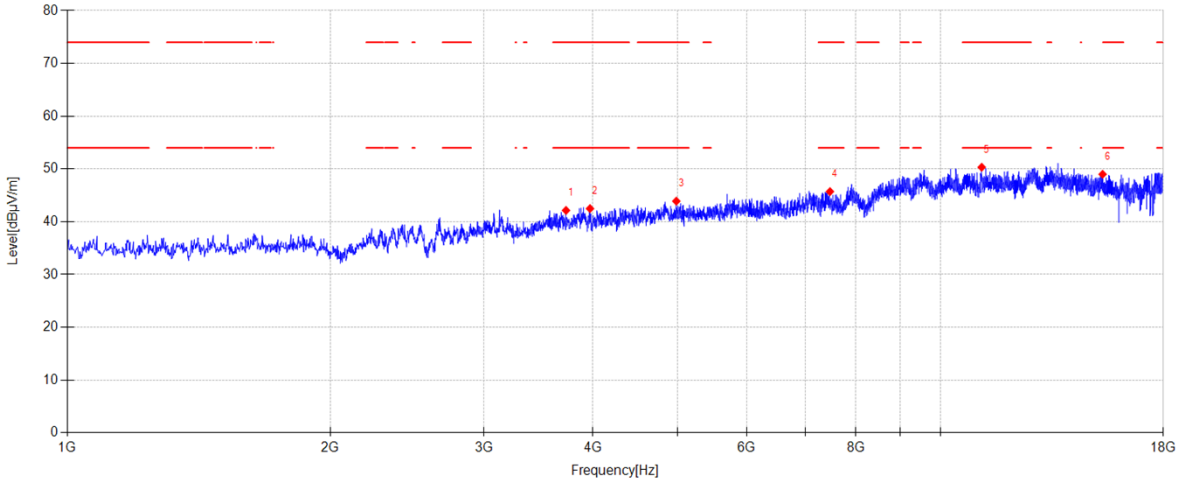



**Suspected Data List**

| NO. | Freq. [MHz] | Reading [dBµV/m] | Antenna Factor [dB] | Cable loss [dB] | AMP [dB] | Level [dBµV/m] | Limit [dBµV/m] | Margin [dB] | Detector | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3886.600 | 46.96 | 31.12 | 5.07 | -39.65 | 43.50 | 74.00 | 30.50 | PK | Vertical |
| 2 | 4802.900 | 45.43 | 32.58 | 5.53 | -39.62 | 43.92 | 74.00 | 30.08 | PK | Vertical |
| 3 | 7504.200 | 44.21 | 36.49 | 6.71 | -40.55 | 46.86 | 74.00 | 27.14 | PK | Vertical |
| 4 | 9056.300 | 42.20 | 38.41 | 7.32 | -38.85 | 49.08 | 74.00 | 24.92 | PK | Vertical |
| 5 | 11147.300 | 41.75 | 39.25 | 8.22 | -39.15 | 50.07 | 74.00 | 23.93 | PK | Vertical |
| 6 | 15764.500 | 39.89 | 38.37 | 9.99 | -39.40 | 48.85 | 74.00 | 25.15 | PK | Vertical |

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

| | | | |
|---|---|---|---|
| **Test Date**: | 2025-08-18 | **Tested By**: | Nan Zhong |
| **EUT**: | Dreame NAVO Care 1 Incam | **Model Number**: | A131 |
| **Test Mode**: | TX BLE1M 2480MHz Mode | **Power Supply**: | AC 120V/60Hz |
| **Condition**: | Temp:24.2°C;Humi:45.2% | **Test Site**: | DDT 3# Chamber |
| **File Path**: | d:\ts\2025 report date\Q25080710-4E\FCC ABOVE1G BLE\3 | | |
| **Memo**: | Sample Numble:S25080710-003 Power Setting:NA | | |

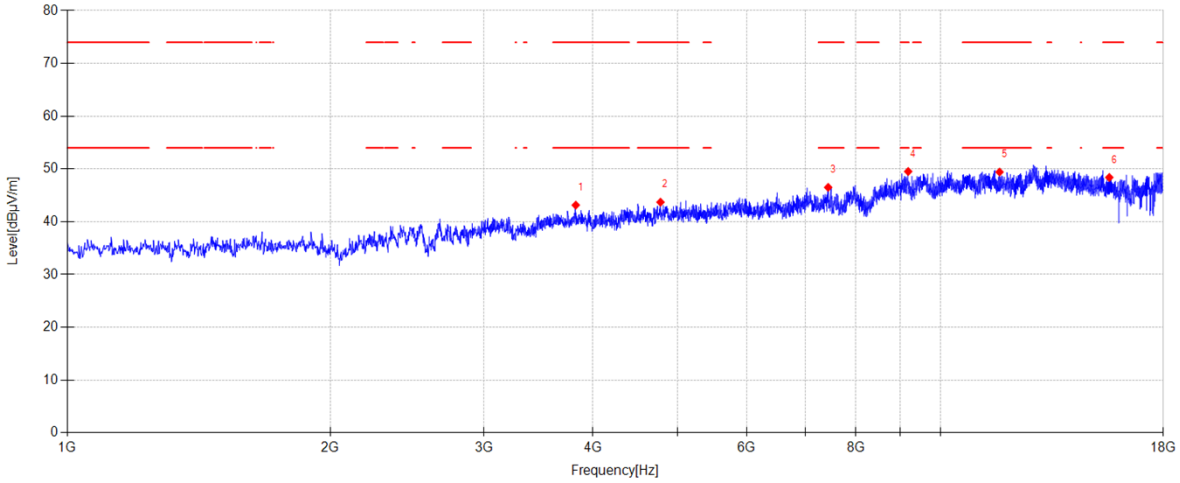



**Suspected Data List**

| NO. | Freq. [MHz] | Reading [dBµV/m] | Antenna Factor [dB] | Cable loss [dB] | AMP [dB] | Level [dBµV/m] | Limit [dBµV/m] | Margin [dB] | Detector | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3725.100 | 46.21 | 30.45 | 5.10 | -39.61 | 42.15 | 74.00 | 31.85 | PK | Horizontal |
| 2 | 3968.200 | 46.07 | 31.03 | 5.06 | -39.67 | 42.49 | 74.00 | 31.51 | PK | Horizontal |
| 3 | 4983.100 | 44.69 | 33.17 | 5.64 | -39.60 | 43.90 | 74.00 | 30.10 | PK | Horizontal |
| 4 | 7471.900 | 43.04 | 36.56 | 6.69 | -40.58 | 45.71 | 74.00 | 28.29 | PK | Horizontal |
| 5 | 11149.000 | 42.01 | 39.25 | 8.22 | -39.15 | 50.33 | 74.00 | 23.67 | PK | Horizontal |
| 6 | 15336.100 | 39.17 | 39.51 | 9.71 | -39.40 | 48.99 | 74.00 | 25.01 | PK | Horizontal |

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

| | | | |
|---|---|---|---|
| **Test Date**: | 2025-08-18 | **Tested By**: | Nan Zhong |
| **EUT**: | Dreame NAVO Care 1 Incam | **Model Number**: | A131 |
| **Test Mode**: | TX BLE1M 2480MHz Mode | **Power Supply**: | AC 120V/60Hz |
| **Condition**: | Temp:24.2°C;Humi:45.2% | **Test Site**: | DDT 3# Chamber |
| **File Path**: | d:\ts\2025 report date\Q25080710-4E\FCC ABOVE1G BLE\4 | | |
| **Memo**: | Sample Numble:S25080710-003 Power Setting:NA | | |



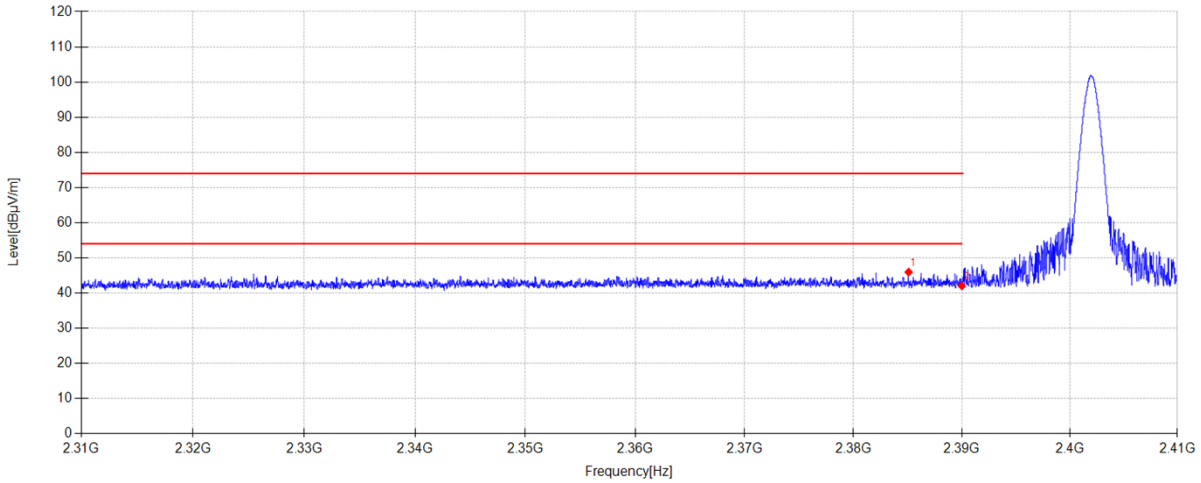

**Suspected Data List**

| NO. | Freq. [MHz] | Reading [dBµV/m] | Antenna Factor [dB] | Cable loss [dB] | AMP [dB] | Level [dBµV/m] | Limit [dBµV/m] | Margin [dB] | Detector | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3822.000 | 46.91 | 30.79 | 5.08 | -39.64 | 43.14 | 74.00 | 30.86 | PK | Vertical |
| 2 | 4779.100 | 45.39 | 32.42 | 5.52 | -39.62 | 43.71 | 74.00 | 30.29 | PK | Vertical |
| 3 | 7436.200 | 43.82 | 36.63 | 6.67 | -40.61 | 46.51 | 74.00 | 27.49 | PK | Vertical |
| 4 | 9183.800 | 42.54 | 38.57 | 7.36 | -38.95 | 49.52 | 74.00 | 24.48 | PK | Vertical |
| 5 | 11686.200 | 41.55 | 39.00 | 8.56 | -39.69 | 49.42 | 74.00 | 24.58 | PK | Vertical |
| 6 | 15609.800 | 39.31 | 38.59 | 9.89 | -39.40 | 48.39 | 74.00 | 25.61 | PK | Vertical |

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

## Appendix A.7: Test Results of Radiated Emissions in Restricted Bands

| | | | |
|---|---|---|---|
| **Test Date**: | 2025-08-18 | **Tested By**: | Nan Zhong |
| **EUT**: | Dreame NAVO Care 1 Incam | **Model Number**: | A131 |
| **Test Mode**: | TX BLE1M 2402MHz Mode | **Power Supply**: | AC 120V/60Hz |
| **Condition**: | Temp:24.2°C;Humi:45.2% | **Test Site**: | DDT 3# Chamber |
| **File Path**: | d:\ts\2025 report date\Q25080710-4E\FCC ABOVE1G BLE\9 | | |
| **Memo**: | Sample Numble:S25080710-003 Power Setting:NA | | |

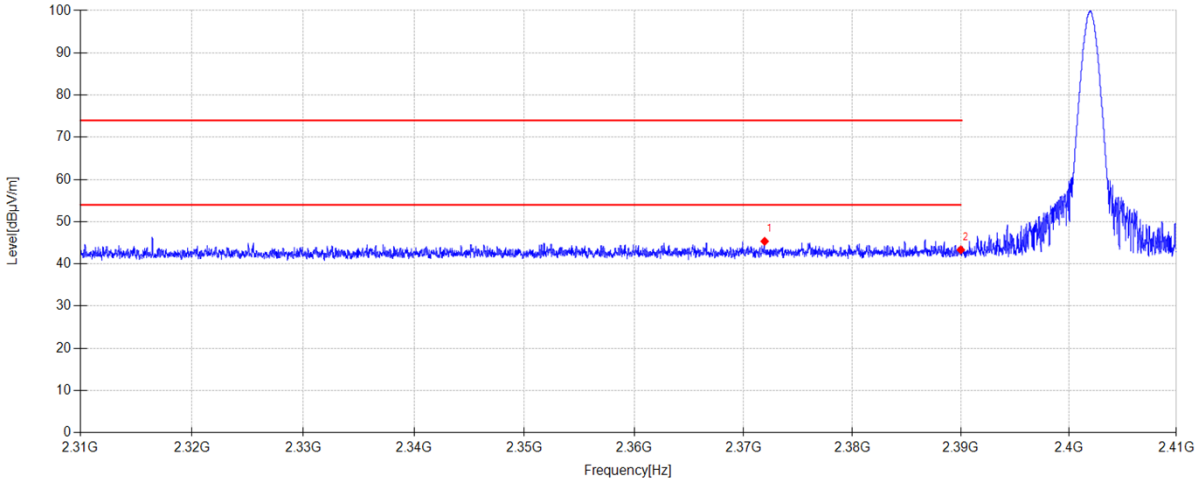



**Suspected Data List**

| NO. | Freq. [MHz] | Reading [dBµV/m] | Antenna Factor [dB] | Cable loss [dB] | AMP [dB] | Level [dBµV/m] | Limit [dBµV/m] | Margin [dB] | Detector | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2385.090 | 13.88 | 27.24 | 4.83 | 0.00 | 45.95 | 74.00 | 28.05 | PK | Horizontal |
| 2 | 2390.000 | 9.95 | 27.26 | 4.84 | 0.00 | 42.05 | 74.00 | 31.95 | PK | Horizontal |

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

| | | | |
|---|---|---|---|
| **Test Date**: | 2025-08-18 | **Tested By**: | Nan Zhong |
| **EUT**: | Dreame NAVO Care 1 Incam | **Model Number**: | A131 |
| **Test Mode**: | TX BLE1M 2402MHz Mode | **Power Supply**: | AC 120V/60Hz |
| **Condition**: | Temp:24.2°C;Humi:45.2% | **Test Site**: | DDT 3# Chamber |
| **File Path**: | d:\ts\2025 report date\Q25080710-4E\FCC ABOVE1G BLE\10 | | |
| **Memo**: | Sample Numble:S25080710-003 Power Setting:NA | | |

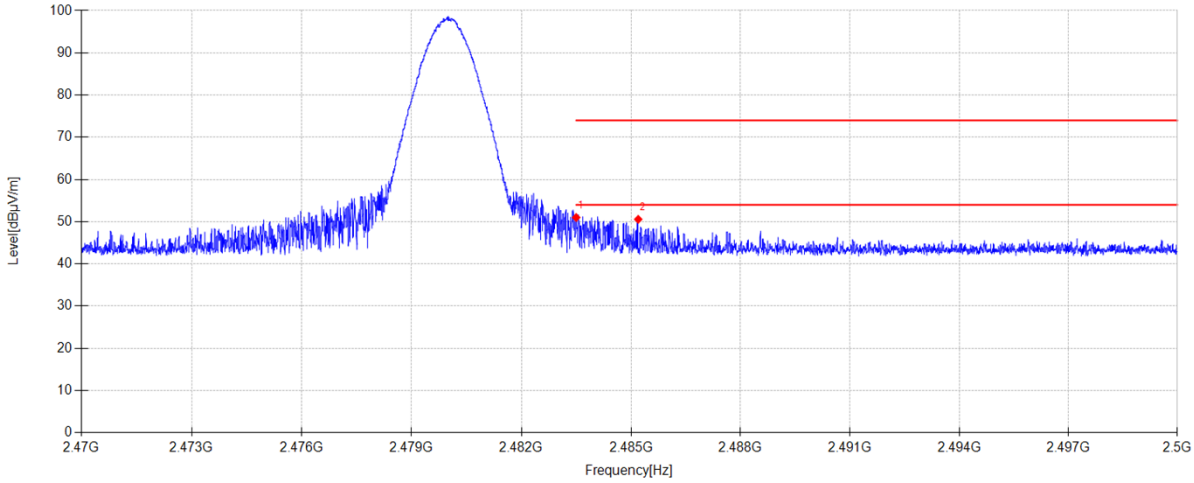



**Suspected Data List**

| NO. | Freq. [MHz] | Reading [dBµV/m] | Antenna Factor [dB] | Cable loss [dB] | AMP [dB] | Level [dBµV/m] | Limit [dBµV/m] | Margin [dB] | Detector | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2371.940 | 13.35 | 27.19 | 4.82 | 0.00 | 45.36 | 74.00 | 28.64 | PK | Vertical |
| 2 | 2390.000 | 11.25 | 27.26 | 4.84 | 0.00 | 43.35 | 74.00 | 30.65 | PK | Vertical |

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

| | | | |
|---|---|---|---|
| **Test Date**: | 2025-08-18 | **Tested By**: | Nan Zhong |
| **EUT**: | Dreame NAVO Care 1 Incam | **Model Number**: | A131 |
| **Test Mode**: | TX BLE1M 2480MHz Mode | **Power Supply**: | AC 120V/60Hz |
| **Condition**: | Temp:24.2°C;Humi:45.2% | **Test Site**: | DDT 3# Chamber |
| **File Path**: | d:\ts\2025 report date\Q25080710-4E\FCC ABOVE1G BLE\7 | | |
| **Memo**: | Sample Numble:S25080710-003 Power Setting:NA | | |

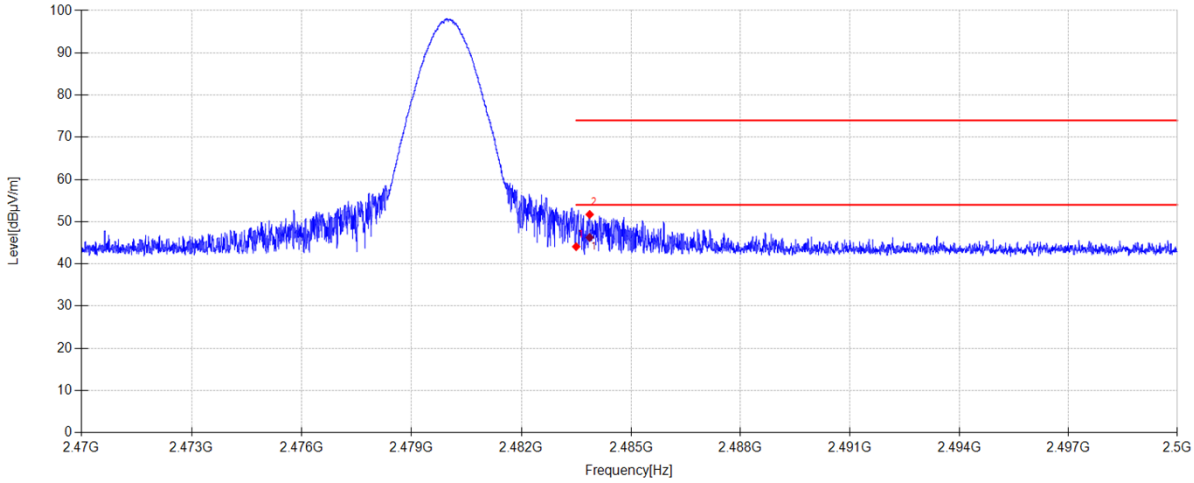



**Suspected Data List**

| NO. | Freq. [MHz] | Reading [dBµV/m] | Antenna Factor [dB] | Cable loss [dB] | AMP [dB] | Level [dBµV/m] | Limit [dBµV/m] | Margin [dB] | Detector | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2483.500 | 18.58 | 27.53 | 4.89 | 0.00 | 51.00 | 74.00 | 23.00 | PK | Horizontal |
| 2 | 2485.198 | 18.13 | 27.54 | 4.90 | 0.00 | 50.57 | 74.00 | 23.43 | PK | Horizontal |

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

| | | | |
|---|---|---|---|
| **Test Date**: | 2025-08-18 | **Tested By**: | Nan Zhong |
| **EUT**: | Dreame NAVO Care 1 Incam | **Model Number**: | A131 |
| **Test Mode**: | TX BLE1M 2480MHz Mode | **Power Supply**: | AC 120V/60Hz |
| **Condition**: | Temp:24.2°C;Humi:45.2% | **Test Site**: | DDT 3# Chamber |
| **File Path**: | d:\ts\2025 report date\Q25080710-4E\FCC ABOVE1G BLE\8 | | |
| **Memo**: | Sample Numble:S25080710-003 Power Setting:NA | | |




**Suspected Data List**

| NO. | Freq. [MHz] | Reading [dBµV/m] | Antenna Factor [dB] | Cable loss [dB] | AMP [dB] | Level [dBµV/m] | Limit [dBµV/m] | Margin [dB] | Detector | Polarity |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2483.500 | 11.67 | 27.53 | 4.89 | 0.00 | 44.09 | 74.00 | 29.91 | PK | Vertical |
| 2 | 2483.869 | 19.28 | 27.54 | 4.89 | 0.00 | 51.71 | 74.00 | 22.29 | PK | Vertical |

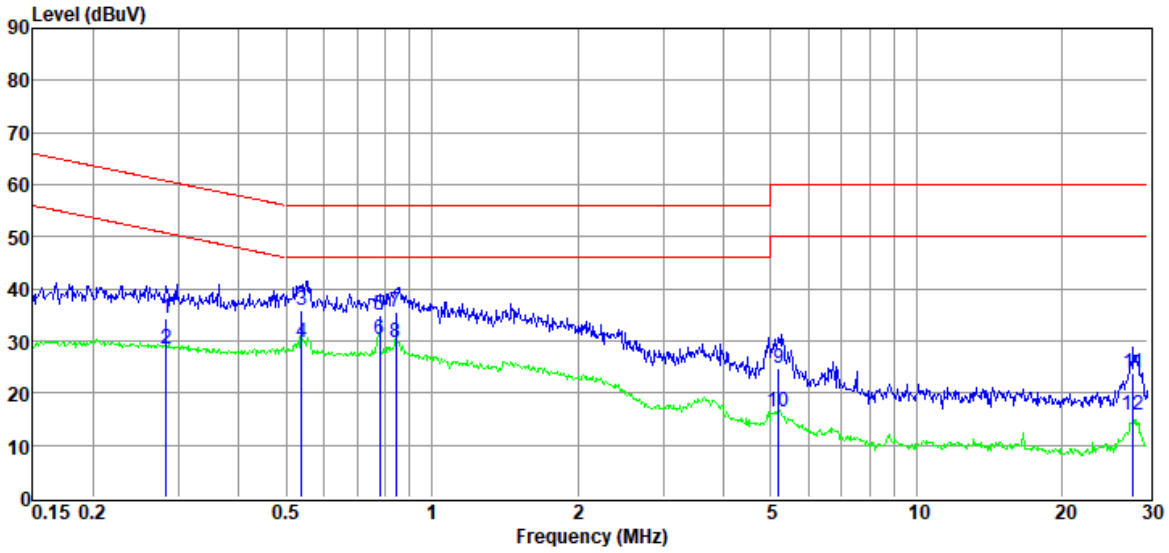
**Final Data List**

| NO. | Freq. [MHz] | Reading [dBµV/m] | Antenna Factor [dB] | Cable loss [dB] | Level [dBµV/m] | Limit [dBµV/m] | Margin [dB] | Detector | Polarity |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2483.869 | 13.83 | 27.54 | 4.89 | 46.26 | 54.00 | 7.74 | AV | Vertical |

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

## Appendix A.8: Test Results of Conducted Emissions on AC Mains

| | | | |
|---|---|---|---|
| **Test Site** | : DDT 5# Shield Room | D:\2025 report data\Q25080710-1E\0912 CE.EM6 | |
| **Test Date** | : 2025-09-12 | **Tested By** | : Li Xiongbin |
| **EUT** | : Dreame NAVO Care 1 Incam | **Model Number** | : A131 |
| **Power Supply** | : AC 120V/60Hz | **Test Mode** | : BLE Mode |
| **Condition** | : Temp:22.3°C,Humi:51.5% | **LISN** | : 2025 2# 216/NEUTRAL |
| **Memo** | : S25080710-004 | | |

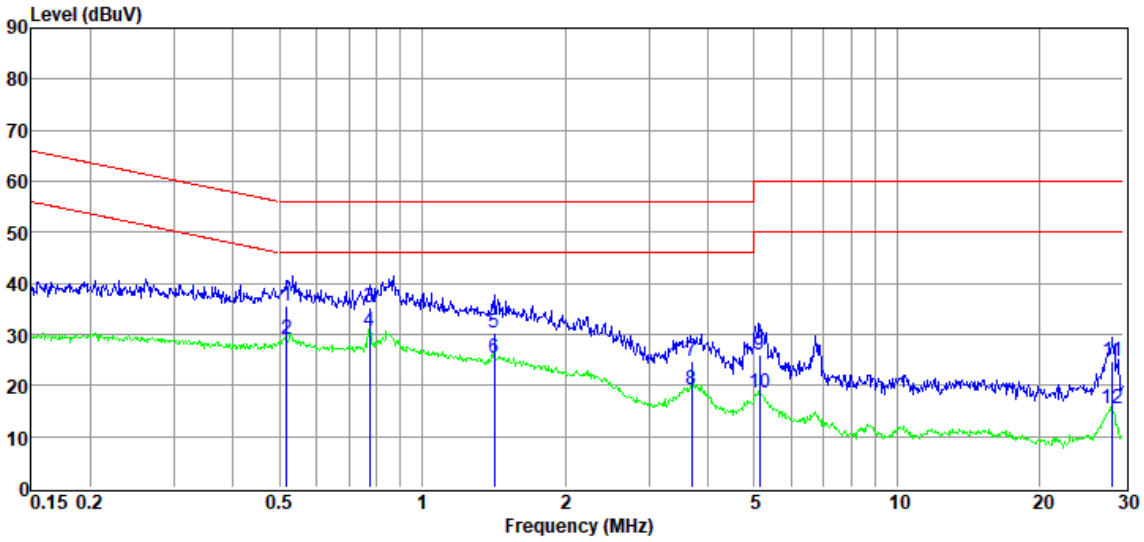



Data: 2

| Item (Mark) | Freq. (MHz) | Read Level (dBµV) | LISN Factor (dB) | Cable Loss (dB) | Pulse Limiter Factor (dB) | Result Level (dBµV) | Limit Line (dBµV) | Margin (dB) | Detector | Phase |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.28 | 14.42 | 9.48 | 0.07 | 10.25 | 34.22 | 60.72 | 26.50 | QP | NEUTRAL |
| 2 | 0.28 | 8.81 | 9.48 | 0.07 | 10.25 | 28.61 | 50.72 | 22.11 | Average | NEUTRAL |
| 3 | 0.54 | 16.01 | 9.48 | 0.11 | 10.33 | 35.93 | 56.00 | 20.07 | QP | NEUTRAL |
| 4 | 0.54 | 9.66 | 9.48 | 0.11 | 10.33 | 29.58 | 46.00 | 16.42 | Average | NEUTRAL |
| 5 | 0.78 | 15.06 | 9.48 | 0.14 | 10.37 | 35.05 | 56.00 | 20.95 | QP | NEUTRAL |
| 6 | 0.78 | 10.29 | 9.48 | 0.14 | 10.37 | 30.28 | 46.00 | 15.72 | Average | NEUTRAL |
| 7 | 0.84 | 15.64 | 9.48 | 0.15 | 10.38 | 35.65 | 56.00 | 20.35 | QP | NEUTRAL |
| 8 | 0.84 | 9.62 | 9.48 | 0.15 | 10.38 | 29.63 | 46.00 | 16.37 | Average | NEUTRAL |
| 9 | 5.19 | 4.73 | 9.54 | 0.24 | 10.25 | 24.76 | 60.00 | 35.24 | QP | NEUTRAL |
| 10 | 5.19 | -3.61 | 9.54 | 0.24 | 10.25 | 16.42 | 50.00 | 33.58 | Average | NEUTRAL |
| 11 | 28.00 | 3.20 | 9.94 | 0.39 | 10.27 | 23.80 | 60.00 | 36.20 | QP | NEUTRAL |
| 12 | 28.00 | -4.76 | 9.94 | 0.39 | 10.27 | 15.84 | 50.00 | 34.16 | Average | NEUTRAL |

Note: 1. Result Level = Read Level +LISN Factor + Pulse Limiter Factor + Cable loss.
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).
4. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.

| | | | |
|---|---|---|---|
| **Test Site** | : DDT 5# Shield Room | D:\2025 report data\Q25080710-1E\0912 CE.EM6 | |
| **Test Date** | : 2025-09-12 | **Tested By** | : Li Xiongbin |
| **EUT** | : Dreame NAVO Care 1 Incam | **Model Number** | : A131 |
| **Power Supply** | : AC 120V/60Hz | **Test Mode** | : BLE Mode |
| **Condition** | : Temp:22.3°C,Humi:51.5% | **LISN** | : 2025 2# 216/LINE |
| **Memo** | : S25080710-004 | | |




Data: 4

| Item (Mark) | Freq. (MHz) | Read Level (dBµV) | LISN Factor (dB) | Cable Loss (dB) | Pulse Limiter Factor (dB) | Result Level (dBµV) | Limit Line (dBµV) | Margin (dB) | Detector | Phase |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.52 | 15.77 | 9.49 | 0.10 | 10.32 | 35.68 | 56.00 | 20.32 | QP | LINE |
| 2 | 0.52 | 9.18 | 9.49 | 0.10 | 10.32 | 29.09 | 46.00 | 16.91 | Average | LINE |
| 3 | 0.78 | 15.37 | 9.51 | 0.14 | 10.37 | 35.39 | 56.00 | 20.61 | QP | LINE |
| 4 | 0.78 | 10.69 | 9.51 | 0.14 | 10.37 | 30.71 | 46.00 | 15.29 | Average | LINE |
| 5 | 1.42 | 10.27 | 9.50 | 0.19 | 10.39 | 30.35 | 56.00 | 25.65 | QP | LINE |
| 6 | 1.42 | 5.19 | 9.50 | 0.19 | 10.39 | 25.27 | 46.00 | 20.73 | Average | LINE |
| 7 | 3.70 | 4.81 | 9.53 | 0.23 | 10.30 | 24.87 | 56.00 | 31.13 | QP | LINE |
| 8 | 3.70 | -0.73 | 9.53 | 0.23 | 10.30 | 19.33 | 46.00 | 26.67 | Average | LINE |
| 9 | 5.14 | 6.01 | 9.54 | 0.24 | 10.26 | 26.05 | 60.00 | 33.95 | QP | LINE |
| 10 | 5.14 | -1.41 | 9.54 | 0.24 | 10.26 | 18.63 | 50.00 | 31.37 | Average | LINE |
| 11 | 28.45 | 4.38 | 9.57 | 0.39 | 10.27 | 24.61 | 60.00 | 35.39 | QP | LINE |
| 12 | 28.45 | -4.82 | 9.57 | 0.39 | 10.27 | 15.41 | 50.00 | 34.59 | Average | LINE |

Note: 1. Result Level = Read Level +LISN Factor + Pulse Limiter Factor + Cable loss.
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).
4. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.