| | | | | |
|---|---|---|---|---|
| **Prüfbericht-Nr.:** *Test report no.:* | **CN24TD65 001** | **Auftrags-Nr.:** *Order no.:* | 168484857 | Seite 1 von 28 *Page 1 of 28* |
| **Kunden-Referenz-Nr.:** *Client reference no.:* | N/A | **Auftragsdatum:** *Order date:* | 2024-04-08 | |
| **Auftraggeber:** *Client:* | **Edifier International Limited** P.O. Box 6264 General Post Office Hong Kong | | | |
| **Prüfgegenstand:** *Test item:* | Studio Monitor | | | |
| **Bezeichnung / Typ-Nr.:** *Identification / Type no.:* | EDF100081 （Trademark: EDIFIER） | | | |
| **Auftrags-Inhalt:** *Order content:* | Type test | | | |
| **Prüfgrundlage:** *Test specification:* | EN 62479:2010<br>EN 300 328 V2.2.2 (2019-07) | | BS EN 62479:2010<br>ETSI EN 300 328 V2.2.2 (2019-07) | |

| | |
|---|---|
| **Wareneingangsdatum:** *Date of sample receipt:* | 2024-04-29 |
| **Prüfmuster-Nr.:** *Test sample no.:* | S24041204-003, S24041204-005 |
| **Prüfzeitraum:** *Testing period:* | 2024-05-11 - 2024-06-15 |
| **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<br>Signed by: Harry W. C. Wu | **genehmigt von:** *authorized by:* | X<br>Signed by: Alex Lan |
| ***Datum:*** *Date:* 2024-08-06 | | **Ausstellungsdatum:** *Issue date:* 2024-08-06 | |
| **Stellung** / Position | Project Manager | **Stellung** / Position | Reviewer |

**Sonstiges /** *Other:* Manufacturer: BEIJING EDIFIER TECHNOLOGY CO., LTD
Address: 815, Floor 8, Shuangqiao Building, No.68, North Fourth Ring West Road, Haidian District, Beijing 100080, P. R. China

This report is for Article 3.2 Radio Spectrum and Article 3.1a Health requirements.

**Zustand des Prüfgegenstandes bei Anlieferung:** Prüfmuster vollständig und unbeschädigt
*Condition of the test item at delivery:* *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* |

**Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens.**

*This test report only relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.*

## *Anmerkungen*
### *Remarks*

| | |
|---|---|
| **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 RF OUTPUT POWER**
*RESULT: Pass*

**5.1.2 POWER SPECTRAL DENSITY**
*RESULT: Pass*

**5.1.3 DUTY CYCLE, TX-SEQUENCE, TX-GAP**
*RESULT: Not applicable*

**5.1.4 ACCUMULATED TRANSMIT TIME, FREQUENCY OCCUPATION AND HOPPING SEQUENCE**
*RESULT: Pass*

**5.1.5 HOPPING FREQUENCY SEPARATION**
*RESULT: Pass*

**5.1.6 MEDIUM UTILISATION (MU) FACTOR**
*RESULT: Not applicable*

**5.1.7 ADAPTIVITY**
*RESULT: Not applicable*

**5.1.8 OCCUPIED CHANNEL BANDWIDTH**
*RESULT: Pass*

**5.1.9 TRANSMITTER UNWANTED EMISSIONS IN THE OUT-OF-BAND DOMAIN**
*RESULT: Pass*

**5.1.10 TRANSMITTER UNWANTED EMISSIONS IN THE SPURIOUS DOMAIN**
*RESULT: Pass*

**5.2.1 RECEIVER SPURIOUS EMISSIONS**
*RESULT: Pass*

**5.2.2 RECEIVER BLOCKING**
*RESULT: Pass*

**5.2.3 GEO-LOCATION CAPABILITY**
*RESULT: Not applicable*

**6.1.1 ELECTROMAGNETIC FIELDS**
*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 Classical Bluetooth.
Appendix B: Test Results of Bluetooth Low Energy.

# 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

CNAS No.: L6451

The tests 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 | Cal. Interval |
|---|---|---|---|---|---|
| ☒ RF Connected Test (RF Measurement System 1#) | | | | | |
| SIGNAL ANALYZER | R&S | FSQ26 | 101272 | 2025/03/31 | 1 Year |
| Wideband Radio Communication Tester | R&S | CMW500 | 120259 | 2025/07/08 | 1 Year |
| MXG Vector Signal Generator | KEYSIGHT | N5182B | MY59100192 | 2025/03/31 | 1 Year |
| MXG Vector Signal Generator | Agilent | N5182A | MY19060405 | 2025/03/31 | 1 Year |
| RF Control Unit | Tonsend | JS0806-2 | 158060010 | 2025/03/31 | 1 Year |
| TEMP&HUMI Programmable Chamber | ZHIXIANG | ZXGDJS-150L | ZX170110-A | 2025/04/22 | 1 Year |
| Test Software | Tonscend | JS1120-3 | Ver.3.2.22 | N/A | N/A |

| Equipment | Manufacturer | Model No. | Serial No. | Cal Due To | Cal. Interval |
|---|---|---|---|---|---|
| RF Cable | N/A | W13.02 AP1-X2 | DDT-ZC04023 | 2025/03/31 | 1 Year |
| Hochgewinn-Hornantenne | SCHWARZBECK | BBHA 9120 D | DDT-ZC02129 | 2025/09/18 | 2 Year |
| RF cable | Yuhu Technology | JCTB810-NJ-NJ-9M | DDT-ZC02538 | 2025/03/31 | 1 Year |
| High pass filter | Micro-Tronics | HPM50108 | DDT-ZC00560 | 2025/04/22 | 1 Year |
| Active Loop Antenna | Schwarzbeck | FMZB1519 | DDT-ZC00524 | 2025/09/11 | 2 Year |
| High pass filter | Micro-Tronics | HPM50102 | DDT-ZC00561 | 2025/04/22 | 1 Year |
| High Pass filter | Xi'an Xingbo | XBLBQ-GTA67 | DDT-ZC02179 | 2025/04/22 | 1 Year |
| Broad-Band Horn Antenna | Schwarzbeck | BBHA 9170 | DDT-ZC00506 | 2025/04/26 | 1 Year |
| EMI TEST RECEIVER | R&S | ESU26 | DDT-ZC01909 | 2025/03/31 | 1 Year |
| RF Cable | N/A | W24.02 HL-562 | DDT-ZC04022 | 2025/03/31 | 1 Year |
| Micro-Tronics filters | REBES | BRM50716 | DDT-ZC03240 | / | / |
| Trilog Broadband Antenna | Schwarzbeck | VULB 9163 | DDT-ZC02050 | 2025/07/11 | 1 Year |
| Pre-amplifier | COM-POWER | PAM-118A | DDT-ZC01293 | 2025/07/08 | 1 Year |
| Micro-Tronics filters | REBES | BRM50702 | DDT-ZC03242 | / | / |
| RF cable | Zhongke Junchuang | JCT26S-NJ-NJ-1.5M | DDT-ZC02762 | 2025/03/31 | 1 Year |
| PSA Series Spectrum Analyzer | Agilent | E4447A | DDT-ZC00517 | 2025/03/31 | 1 Year |
| RF cable | Yuhu Technology | ZT26S-SMAJ-SMAJ-1M | DDT-ZC02037 | 2025/03/31 | 1 Year |
| Pre-amplifier | COM-POWER | PAM-840A | DDT-ZC01693 | 2025/03/31 | 1 Year |
| ELECTRIC AND MAGNETIC FIELD ANALYZER | Narda | EHP-200A | DDT-ZC01401 | 2024/09/20 | 1 Year |

## 2.3 Uncertainty of Measurement

The value of the measurement uncertainty of each parameter is listed as below:

**Table 2: Maximum Measurement Uncertainty**

| Test Item | Uncertainty |
|---|---|
| Bandwidth | 1.1% |
| Peak Output Power (Conducted) (Spectrum analyzer) | 0.86 dB (10 MHz ≤ f < 3.6 GHz); |
| | 1.38 dB (3.6 GHz ≤ f < 8 GHz) |
| Peak Output Power (Conducted) (Power Sensor) | 0.74 dB |
| Power Spectral Density | 0.74 dB (10 MHz ≤ f < 3.6 GHz); |
| | 1.38 dB (3.6 GHz ≤ f < 8 GHz) |
| Frequencies Stability | $6.7 \times 10^{-8}$ (Antenna couple method) |
| | $5.5 \times 10^{-8}$ (Conducted method) |
| Conducted spurious emissions | 0.86 dB (10 MHz ≤ f < 3.6 GHz); |
| | 1.40 dB (3.6 GHz ≤ f < 8 GHz) |
| | 1.66 dB (8 GHz ≤ f < 26.5 GHz) |
| Uncertainty for radio frequency (RBW < 20 kHz) | $3 \times 10^{-8}$ |
| Temperature | 0.4 ℃ |
| Humidity | 2 % |
| Uncertainty for Radiation Emission test (9 kHz – 30 MHz) | 3.44 dB |
| Uncertainty for Radiation Emission test (30 MHz - 1 GHz) | 4.70 dB (Antenna Polarize: V) |
| | 4.84 dB (Antenna Polarize: H) |
| Uncertainty for Radiation Emission test (1 GHz - 40 GHz) | 4.10 dB (1 - 6 GHz) |
| | 4.40 dB (6 GHz - 18 GHz) |
| | 3.54 dB (18 GHz - 26 GHz) |
| | 4.30 dB (26 GHz - 40 GHz) |
| Uncertainty for Power line conduction emission test | 3.34dB (150KHz-30MHz) |
| | 3.72dB (9KHz-150KHz) |
| Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2. | |

# 3 General Product Information

## 3.1 Product Function and Intended Use

The EUT is a Studio Monitor with Bluetooth Dual technology, and used for audio entertainment in house or similar environment.

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

## 3.2 Ratings and System Details

**Table 3: Technical Specification of EUT**

| General Information of EUT | Value |
|---|---|
| Kind of Equipment | Studio Monitor |
| Type Designation | EDF100081 |
| Trade Mark | EDIFIER |
| Extreme Temperature Range | 0°C - +35°C |
| Operating Voltage | AC 100-240V, 50/60Hz, 300mA |
| **Technical Specification of Bluetooth (BDR & EDR)** | |
| Operating Frequency Channel | 2402 – 2480 MHz |
| Bluetooth Core Version | 5.4 |
| Channel Number | 79 channels |
| Channel separation | 1MHz |
| Modulation | GFSK, π/4DQPSK, 8DPSK |
| Antenna Type | Integral antenna |
| Antenna Gain | 2.59 dBi (Provide by the Client) |
| **Technical Specification of Bluetooth (Bluetooth Low Energy)** | |
| Operating Frequency Channel | 2402 – 2480 MHz for data rate 1Mbps<br>2404 – 2478 MHz for data rate 2Mbps |
| Bluetooth Core Version | 5.4 |
| Data rate | 1Mbps, 2Mbps |
| Channel Number | 40 channels for data rate 1Mbps<br>37 channels for data rate 2Mbps<br>Note: 2402MHz/2426MHz/2480MHz will be disable via software for date rate 2Mbps. |
| Channel separation | 2MHz |
| Modulation | GFSK |
| Antenna Type | Integral antenna |
| Antenna Gain | 2.59 dBi (Provide by the Client) |

**Table 4: RF Channel and Frequency of Classical Bluetooth**

| RF Channel | Frequency (MHz) | RF Channel | Frequency (MHz) | RF Channel | Frequency (MHz) | RF Channel | Frequency (MHz) |
|---|---|---|---|---|---|---|---|
| **0** | **2402.00** | 20 | 2422.00 | 40 | 2442.00 | 60 | 2462.00 |
| 1 | 2403.00 | 21 | 2423.00 | 41 | 2443.00 | 61 | 2463.00 |
| 2 | 2404.00 | 22 | 2424.00 | 42 | 2444.00 | 62 | 2464.00 |
| 3 | 2405.00 | 23 | 2425.00 | 43 | 2445.00 | 63 | 2465.00 |
| 4 | 2406.00 | 24 | 2426.00 | 44 | 2446.00 | 64 | 2466.00 |
| 5 | 2407.00 | 25 | 2427.00 | 45 | 2447.00 | 65 | 2467.00 |
| 6 | 2408.00 | 26 | 2428.00 | 46 | 2448.00 | 66 | 2468.00 |
| 7 | 2409.00 | 27 | 2429.00 | 47 | 2449.00 | 67 | 2469.00 |
| 8 | 2410.00 | 28 | 2430.00 | 48 | 2450.00 | 68 | 2470.00 |
| 9 | 2411.00 | 29 | 2431.00 | 49 | 2451.00 | 69 | 2471.00 |
| 10 | 2412.00 | 30 | 2432.00 | 50 | 2452.00 | 70 | 2472.00 |
| 11 | 2413.00 | 31 | 2433.00 | 51 | 2453.00 | 71 | 2473.00 |
| 12 | 2414.00 | 32 | 2434.00 | 52 | 2454.00 | 72 | 2474.00 |
| 13 | 2415.00 | 33 | 2435.00 | 53 | 2455.00 | 73 | 2475.00 |
| 14 | 2416.00 | 34 | 2436.00 | 54 | 2456.00 | 74 | 2476.00 |
| 15 | 2417.00 | 35 | 2437.00 | 55 | 2457.00 | 75 | 2477.00 |
| 16 | 2418.00 | 36 | 2438.00 | 56 | 2458.00 | 76 | 2478.00 |
| 17 | 2419.00 | 37 | 2439.00 | 57 | 2459.00 | 77 | 2479.00 |
| 18 | 2420.00 | 38 | 2440.00 | 58 | 2460.00 | **78** | **2480.00** |
| 19 | 2421.00 | **39** | **2441.00** | 59 | 2461.00 | | |

**Table 5: 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 mode (BDR & EDR & BLE)
   1. Transmitting mode
      a. Low channel
      b. Middle channel
      c. High channel
   2. Receiving mode
      a. Low channel
      d. Middle channel
      b. High channel

B. On, Bluetooth playing

C. Off

## 3.4 Noise Generating and Noise Suppressing Parts

For details refer to the Circuit Diagram.

## 3.5 Submitted Documents

- Block Diagram
- Schematics
- User Manual
- Rating Label

# 4 Test Set-up and Operation Modes

## 4.1 Principle of Configuration Selection

**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.

**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.

## 4.2 Test Operation and Test Software

Test operation refers to test setup in chapter 5 and chapter 7.

## 4.3 Special Accessories and Auxiliary Equipment

**Table 6: List of Accessories and Auxiliary Equipment**

| Description | Manufacturer | Model | S/N |
|---|---|---|---|
| Notebook | Lenovo | ThinkPad X2502 | 2014AP6082 |

## 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.

# 5 Test Results ERM

## 5.1 Transmitter Requirement & Test Suites

### 5.1.1 RF Output Power

**RESULT:** **Pass**

**Test Specification**

| | | |
|---|---|---|
| Test standard | : | EN 300 328 V2.2.2 |
| Test requirement | : | Clause 4.3.1.2 of EN 300 328<br>Clause 4.3.2.2 of EN 300 328 |
| Limit | : | Clause 4.3.1.2.3 of EN 300 328<br>Clause 4.3.2.2.3 of EN 300 328 |
| Test suites | : | Clause 5.4.2 of EN 300 328 |

**Test Setup**

| | | |
|---|---|---|
| Date of testing | : | 2024-05-11 to 2024-06-15 |
| Test voltage | : | AC 230V/50Hz |
| Test environment | : | Normal and extreme temperature |
| Operation mode | : | A.1 |
| Ambient temperature | : | 24.4 ℃ |
| Relative humidity | : | 43.1 % |
| Atmospheric pressure | : | 101.4 kPa |

For the measurement records, refer to the appendix A & B.

## 5.1.2 Power Spectral Density

**RESULT:** **Pass**

**Test Specification**

| | | |
|---|---|---|
| Test standard | : | EN 300 328 V2.2.2 |
| Test requirement | : | Clause 4.3.2.3 of EN 300 328 |
| Limit | : | Clause 4.3.2.3.3 of EN 300 328 |
| Test suites | : | Clause 5.4.3 of EN 300 328 |

**Test Setup**

| | | |
|---|---|---|
| Date of testing | : | 2024-05-11 to 2024-06-15 |
| Test voltage | : | AC 230V/50Hz |
| Test environment | : | Normal temperature |
| Operation mode | : | A.1 |
| Ambient temperature | : | 24.4 ℃ |
| Relative humidity | : | 43.1 % |
| Atmospheric pressure | : | 101.4 kPa |

For the measurement records, refer to the appendix B.

## 5.1.3 Duty Cycle, TX-sequence, TX-gap

**RESULT:** **Not applicable**

**Test Specification**

| | | |
|---|---|---|
| Test standard | : | EN 300 328 V2.2.2 |
| Test requirement | : | Clause 4.3.1.3 of EN 300 328 |
| Limit | : | Clause 4.3.1.3.3 of EN 300 328 |
| Test suites | : | Clause 5.4.2 of EN 300 328 |

**Exemption Condition(s):**

☒ These requirements apply to non-adaptive equipment or to adaptive equipment when operating in non-adaptive mode. The equipment is using wide band modulations other than FHSS.

**Conclusion:**

The EUT is adaptive equipment and does not support non-adaptive mode, hence this requirement is not applicable.

## 5.1.4 Accumulated Transmit Time, Frequency Occupation and Hopping Sequence

**RESULT:** **Pass**

**Test Specification**

| | | |
|---|---|---|
| Test standard | : | EN 300 328 V2.2.2 |
| Test requirement | : | Clause 4.3.1.4 of EN 300 328 |
| Limit | : | Clause 4.3.1.4.3 of EN 300 328 |
| Test suites | : | Clause 5.4.4 of EN 300 328 |

**Test Setup**

| | | |
|---|---|---|
| Date of testing | : | 2024-05-11 to 2024-06-15 |
| Test voltage | : | AC 230V/50Hz |
| Test environment | : | Normal temperature |
| Operation mode | : | A.1 |
| Ambient temperature | : | 24.4 ℃ |
| Relative humidity | : | 43.1 % |
| Atmospheric pressure | : | 101.4 kPa |

For the measurement records, refer to the appendix A.

## 5.1.5 Hopping Frequency Separation

**RESULT:** **Pass**

**Test Specification**

| | | |
|---|---|---|
| Test standard | : | EN 300 328 V2.2.2 |
| Test requirement | : | Clause 4.3.1.5 of EN 300 328 |
| Limit | : | Clause 4.3.1.5.3 of EN 300 328 |
| Test suites | : | Clause 5.4.5 of EN 300 328 |

**Test Setup**

| | | |
|---|---|---|
| Date of testing | : | 2024-05-11 to 2024-06-15 |
| Test voltage | : | AC 230V/50Hz |
| Test environment | : | Normal temperature |
| Operation mode | : | A.1 |
| Ambient temperature | : | 24.4 ℃ |
| Relative humidity | : | 43.1 % |
| Atmospheric pressure | : | 101.4 kPa |

For the measurement records, refer to the appendix A.

## 5.1.6 Medium Utilisation (MU) Factor

**RESULT:** **Not applicable**

**Test Specification**

| | | |
|---|---|---|
| Test standard | : | EN 300 328 V2.2.2 |
| Test requirement | : | Clause 4.3.1.6 of EN 300 328 |
| | | Clause 4.3.2.5 of EN 300 328 |
| Limit | : | Clause 4.3.1.6.3 of EN 300 328 |
| | | Clause 4.3.2.5.3 of EN 300 328 |
| Test suites | : | Clause 5.4.2 of EN 300 328 |

**Exemption Condition(s):**
☒ These requirements apply to non-adaptive equipment or to adaptive equipment when operating in non-adaptive mode. The equipment is using wide band modulations other than FHSS.

**Conclusion:**
The EUT is adaptive equipment and does not support non-adaptive mode, hence this requirement is not applicable.

## 5.1.7 Adaptivity

**RESULT:** **Not applicable**

**Test Specification**

| | | |
|---|---|---|
| Test standard | : | EN 300 328 V2.2.2 |
| Test requirement | : | Clause 4.3.1.7.2 of EN 300 328 |
| | | Clause 4.3.2.6.3 of EN 300 328 |
| Limit | : | Clause 4.3.1.7.2.2 of EN 300 328 |
| | | Clause 4.3.2.6.3.2 of EN 300 328 |
| Test suites | : | Clause 5.4.6 of EN 300 328 |

**Exemption Conditions:**

☒ These requirements do not apply for equipment with a maximum declared RF Output power of less than 10 dBm e.i.r.p. or for equipment when operating in a mode where the RF Output power is less than 10 dBm e.i.r.p.

**Conclusion:**

The maximum declared RF output power is less than 10dBm e.i.r.p., hence this requirement is not applicable.

## 5.1.8 Occupied Channel Bandwidth

**RESULT:** **Pass**

**Test Specification**

| | | |
|---|---|---|
| Test standard | : | EN 300 328 V2.2.2 |
| Test requirement | : | Clause 4.3.1.8 of EN 300 328 |
| | | Clause 4.3.2.7 of EN 300 328 |
| Limit | : | Clause 4.3.1.8.3 of EN 300 328 |
| | | Clause 4.3.2.7.3 of EN 300 328 |
| Test suites | : | Clause 5.4.7 of EN 300 328 |

**Test Setup**

| | | |
|---|---|---|
| Date of testing | : | 2024-05-11 to 2024-06-15 |
| Test voltage | : | AC 230V/50Hz |
| Test environment | : | Normal temperature |
| Operation mode | : | A.1 |
| Ambient temperature | : | 24.4 ℃ |
| Relative humidity | : | 43.1 % |
| Atmospheric pressure | : | 101.4 kPa |

For the measurement records, refer to the appendix A & B.

## 5.1.9 Transmitter Unwanted Emissions in the Out-of-band Domain

**RESULT:** **Pass**

**Test Specification**

| | | |
|---|---|---|
| Test standard | : | EN 300 328 V2.2.2 |
| Test requirement | : | Clause 4.3.1.9 of EN 300 328 |
| | | Clause 4.3.2.8 of EN 300 328 |
| Limit | : | Clause 4.3.1.9.3 of EN 300 328 |
| | | Clause 4.3.2.8.3 of EN 300 328 |
| Test suites | : | Clause 5.4.8 of EN 300 328 |

**Test Setup**

| | | |
|---|---|---|
| Date of testing | : | 2024-05-11 to 2024-06-15 |
| Test voltage | : | AC 230V/50Hz |
| Test environment | : | Normal temperature |
| Operation mode | : | A.1 |
| Ambient temperature | : | 24.4 ℃ |
| Relative humidity | : | 43.1 % |
| Atmospheric pressure | : | 101.4 kPa |

For the measurement records, refer to the appendix A & B.

## 5.1.10 Transmitter Unwanted Emissions in the Spurious Domain

**RESULT:** **Pass**

**Test Specification**

| | | |
|---|---|---|
| Test standard | : | EN 300 328 V2.2.2 |
| Test requirement | : | Clause 4.3.1.10 of EN 300 328 |
| | | Clause 4.3.2.9 of EN 300 328 |
| Limit | : | Clause 4.3.1.10.3 of EN 300 328 |
| | | Clause 4.3.2.9.3 of EN 300 328 |
| Test suites | : | Clause 5.4.9 of EN 300 328 |

**Test Setup**

| | | |
|---|---|---|
| Date of testing | : | 2024-05-11 to 2024-06-15 |
| Test voltage | : | AC 230V/50Hz |
| Test environment | : | Normal temperature |
| Operation mode | : | A.1 |
| Ambient temperature | : | Refer to test data |
| Relative humidity | : | Refer to test data |
| Atmospheric pressure | : | 101.4 kPa |

For the measurement records, refer to the appendix A & B

# 5.2 Receiver Requirement & Test Suites

## 5.2.1 Receiver Spurious Emissions

**RESULT:** **Pass**

**Test Specification**

| | | |
|---|---|---|
| Test standard | : | EN 300 328 V2.2.2 |
| Test requirement | : | Clause 4.3.1.11 of EN 300 328<br>Clause 4.3.2.10 of EN 300 328 |
| Limit | : | Clause 4.3.1.11.3 of EN 300 328<br>Clause 4.3.2.10.3 of EN 300 328 |
| Test suites | : | Clause 5.4.10 of EN 300 328 |

**Test Setup**

| | | |
|---|---|---|
| Date of testing | : | 2024-05-11 to 2024-06-15 |
| Test voltage | : | AC 230V/50Hz |
| Test environment | : | Normal temperature |
| Operation mode | : | A.2 |
| Ambient temperature | : | Refer to test data |
| Relative humidity | : | Refer to test data |
| Atmospheric pressure | : | 101.4 kPa |

For the measurement records, refer to the appendix A & B.

## 5.2.2 Receiver Blocking

**RESULT:** **Pass**

**Test Specification**

| | | |
|---|---|---|
| Test standard | : | EN 300 328 V2.2.2 |
| Test requirement | : | Clause 4.3.1.12 of EN 300 328 |
| | | Clause 4.3.2.11 of EN 300 328 |
| Limit | : | Clause 4.3.1.12.4 of EN 300 328 |
| | | Clause 4.3.2.11.3 of EN 300 328 |
| Test suites | : | Clause 5.4.11 of EN 300 328 |

**Test Setup**

| | | |
|---|---|---|
| Date of testing | : | 2024-05-11 to 2024-06-15 |
| Test voltage | : | AC 230V/50Hz |
| Test environment | : | Normal temperature |
| Operation mode | : | A.2 |
| Ambient temperature | : | 24.4 ℃ |
| Relative humidity | : | 43.1 % |
| Atmospheric pressure | : | 101.4 kPa |

For the measurement records, refer to the appendix A & B.

For Bluetooth-BDR: the maximum RF output power is 9.96dBm.
For Bluetooth-EDR: the maximum RF output power is 9.09dBm.
For Bluetooth-BLE: the maximum RF output power is 9.57dBm.

Hence according to the 4.2.3.2, the Bluetooth-BDR/EDR of EUT is belong category 3 receiver and Bluetooth-BLE is belong category 2 receiver.

## 5.2.3 Geo-location Capability

**RESULT:** **Not applicable**

**Test Specification**

| | | |
|---|---|---|
| Test standard | : | EN 300 328 V2.2.2 |
| Test requirement | : | Clause 4.3.1.13 of EN 300 328<br>Clause 4.3.2.12 of EN 300 328 |

**Exemption Conditions:**
This requirement only applies to equipment with geo-location capability as defined in clause 4.3.1.13.2 and 4.3.2.12.2.

**Conclusion:**

The EUT is adaptive equipment and does not support geo-location capability, hence this requirement is not applicable.

# 6 Safety Human Exposure

## 6.1 Human Exposure to Electromagnetic Fields 10MHz-300GHz

### 6.1.1 Electromagnetic Fields

**RESULT:** **Pass**

**Test Specification**

Test standard : EN 62479: 2010

The maximum measured peak power of EUT is only 9.96 dBm (9.908mW).

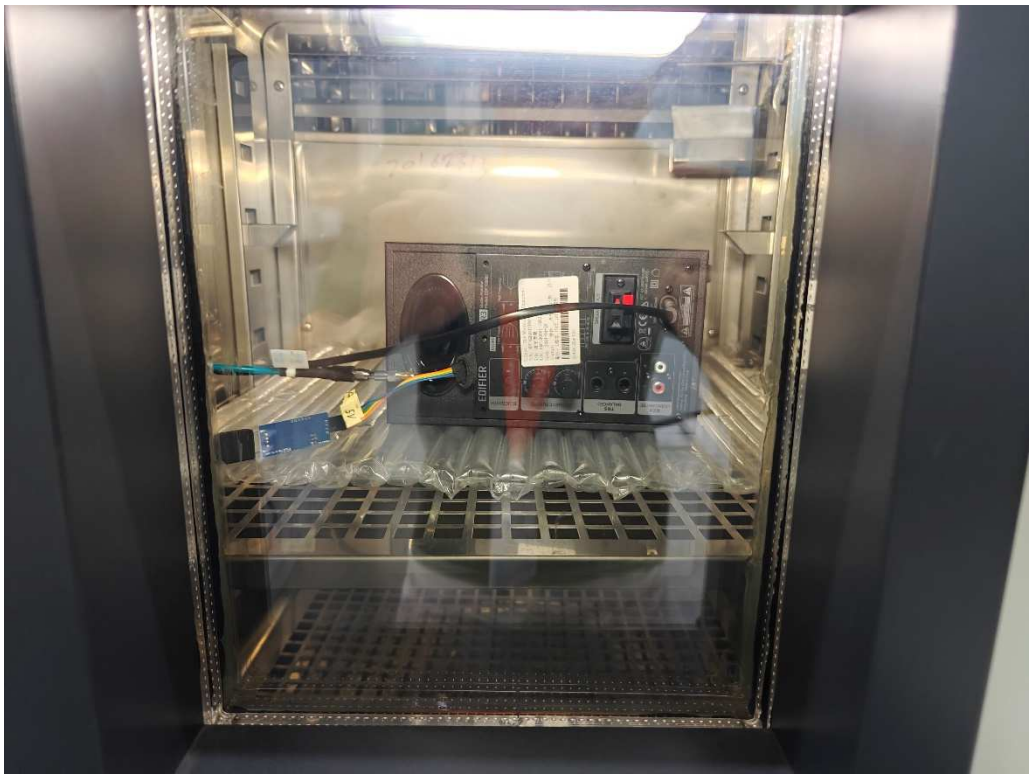
According to EN 62479:2010 clause 4.2, if the average total radiated power emitted by apparatus operating in the frequency range 10MHz-300GHz is less than or equal to 13.01dBm(20mW), then the apparatus is deemed to comply with the basic restrictions without testing.

# 7 Photographs of the Test Set-Up

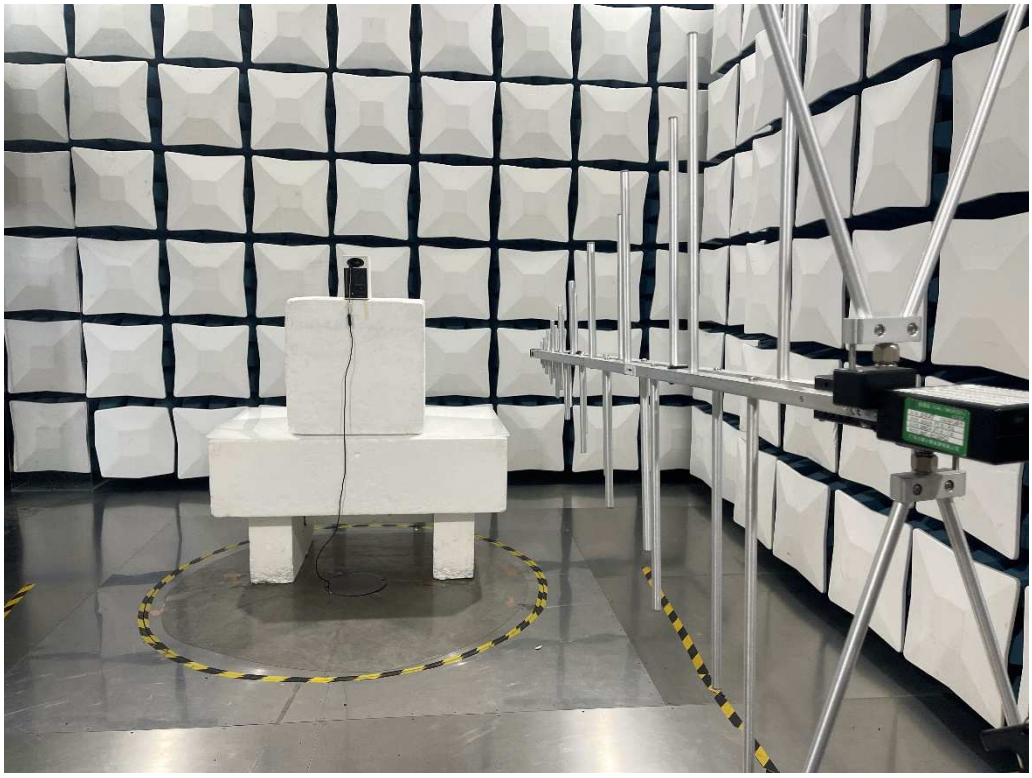
**Photograph 1: Set-up for Radio Spectrum Testing, Normal temperature**



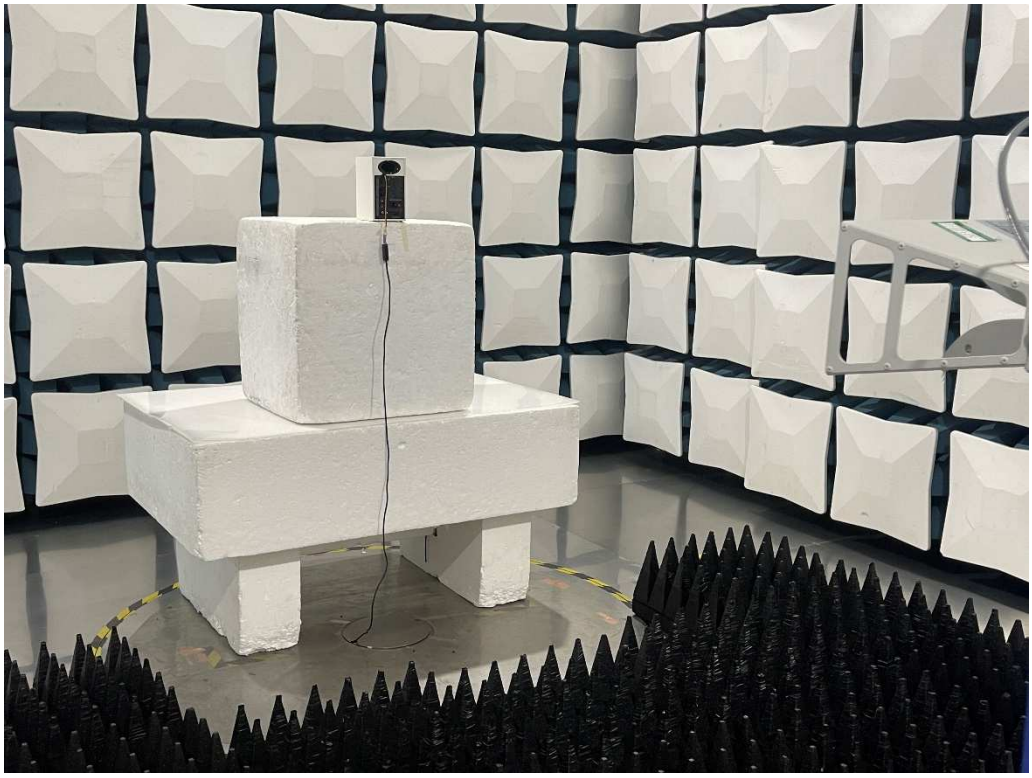
**Photograph 2: Set-up for Radio Spectrum Testing, Extreme temperature**



**Photograph 3: Set-up for Transmitter & Receiver Spurious Emissions, below 1GHz**



**Photograph 4: Set-up for Transmitter & Receiver Spurious Emissions, Above 1GHz**



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# Appendix A

# Test Results of Classical Bluetooth

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# 1 Appendix A.1 : RF output power

The RF output power is the mean equivalent isotropically radiated power (EIRP) during a transmission burst. Only the worst case for all test modes reported.

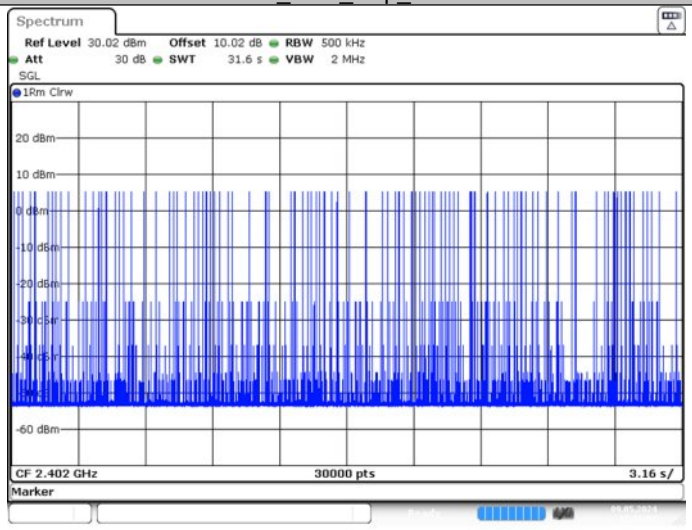
| Test Condition | Test Mode | Antenna | Frequency[MHz] | Burst Power [dBm] | EIRP[dBm] | Limit[dBm] | Verdict |
|---|---|---|---|---|---|---|---|
| NTNV | DH1 | Ant1 | Hop | 7.36 | 9.95 | 20 | PASS |
| | DH5 | Ant1 | Hop | 7.34 | 9.93 | 20 | PASS |
| | 2DH1 | Ant1 | Hop | 6.47 | 9.06 | 20 | PASS |
| | 2DH5 | Ant1 | Hop | 6.00 | 8.59 | 20 | PASS |
| | 3DH1 | Ant1 | Hop | 6.39 | 8.98 | 20 | PASS |
| | 3DH5 | Ant1 | Hop | 5.78 | 8.37 | 20 | PASS |
| LTNV | DH1 | Ant1 | Hop | 7.37 | 9.96 | 20 | PASS |
| | DH5 | Ant1 | Hop | 7.33 | 9.92 | 20 | PASS |
| | 2DH1 | Ant1 | Hop | 6.49 | 9.08 | 20 | PASS |
| | 2DH5 | Ant1 | Hop | 5.97 | 8.56 | 20 | PASS |
| | 3DH1 | Ant1 | Hop | 6.49 | 9.08 | 20 | PASS |
| | 3DH5 | Ant1 | Hop | 6.00 | 8.59 | 20 | PASS |
| HTNV | DH1 | Ant1 | Hop | 7.11 | 9.70 | 20 | PASS |
| | DH5 | Ant1 | Hop | 7.06 | 9.65 | 20 | PASS |
| | 2DH1 | Ant1 | Hop | 6.49 | 9.08 | 20 | PASS |
| | 2DH5 | Ant1 | Hop | 5.99 | 8.58 | 20 | PASS |
| | 3DH1 | Ant1 | Hop | 6.50 | 9.09 | 20 | PASS |
| | 3DH5 | Ant1 | Hop | 6.01 | 8.60 | 20 | PASS |

Note: EIRP = Measured Highest Pburst Values + Antenna Gain

# 2 Appendix A.2 : Accumulated Transmit Time

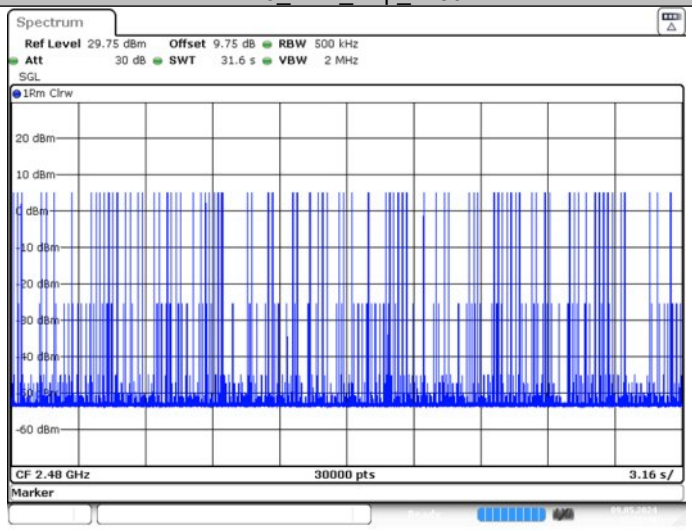
| Test Mode | Antenna | Channel | Result [ms] | Limit [ms] | Verdict |
|---|---|---|---|---|---|
| DH5 | Ant1 | Hop_2402 | 325.470 | 400 | PASS |
| | | Hop_2480 | 313.883 | 400 | PASS |
| 2DH5 | Ant1 | Hop_2402 | 289.658 | 400 | PASS |
| | | Hop_2480 | 308.617 | 400 | PASS |
| 3DH5 | Ant1 | Hop_2402 | 275.965 | 400 | PASS |
| | | Hop_2480 | 315.990 | 400 | PASS |

DH5_Ant1_Hop_2402



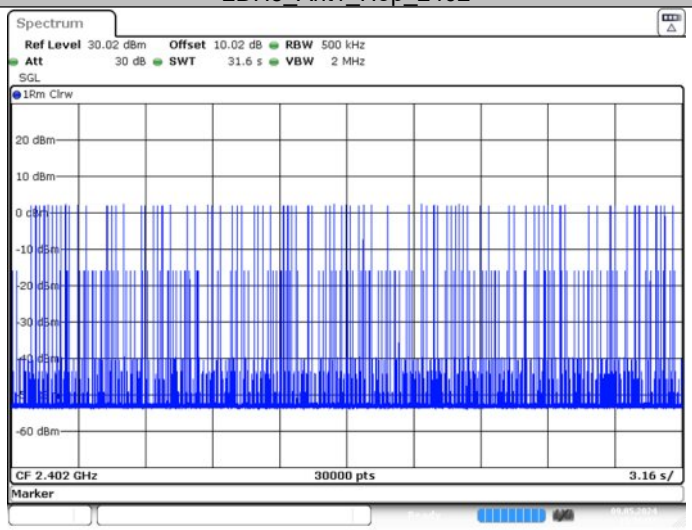

Date: 9.MAY.2024 15:22:03

DH5_Ant1_Hop_2480

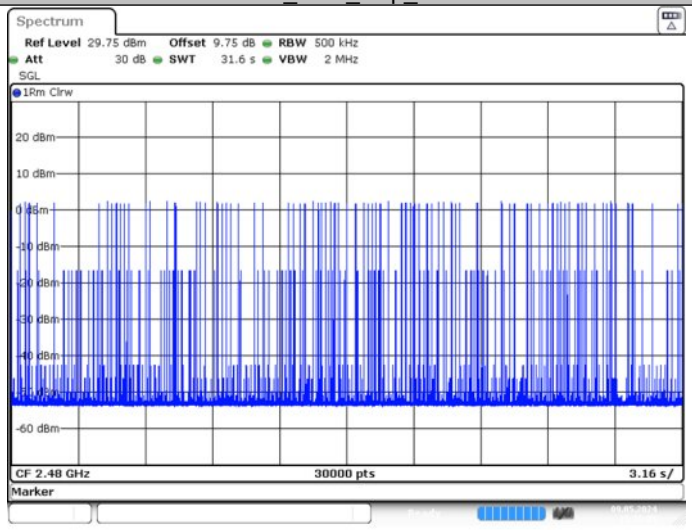



Date: 9.MAY.2024 15:23:41

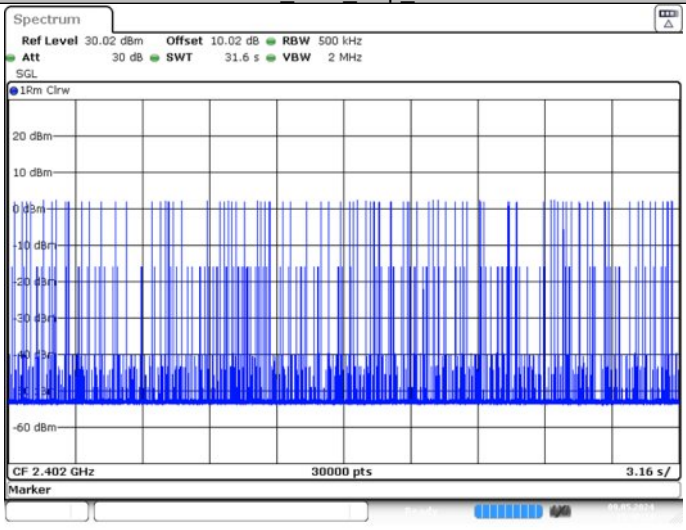
2DH5_Ant1_Hop_2402



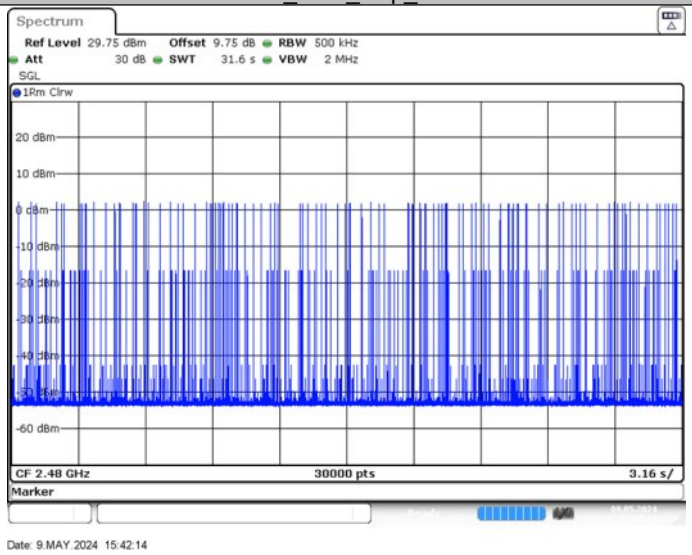

2DH5_Ant1_Hop_2480




3DH5_Ant1_Hop_2402



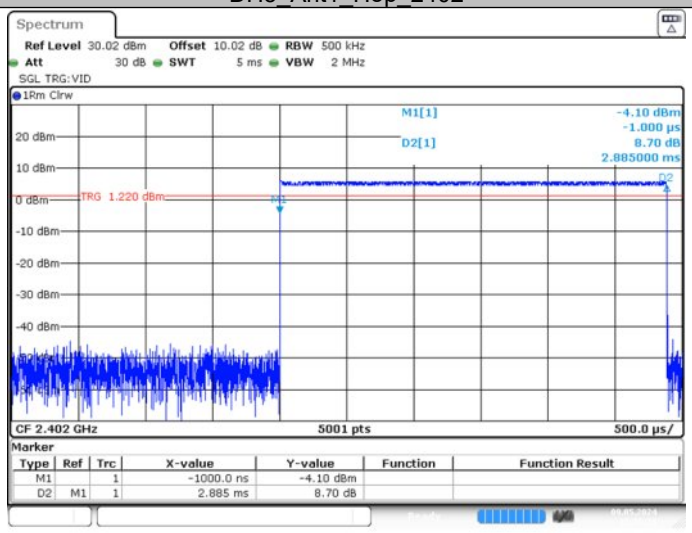
3DH5_Ant1_Hop_2480

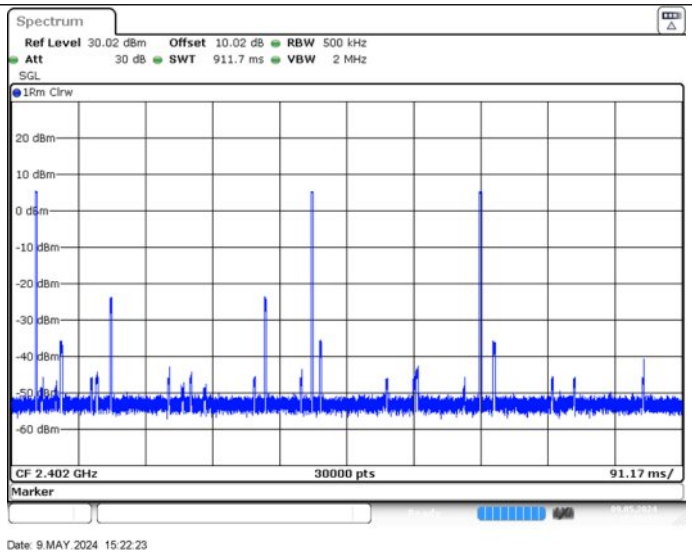


# 3 Appendix A.3 : Frequency Occupation

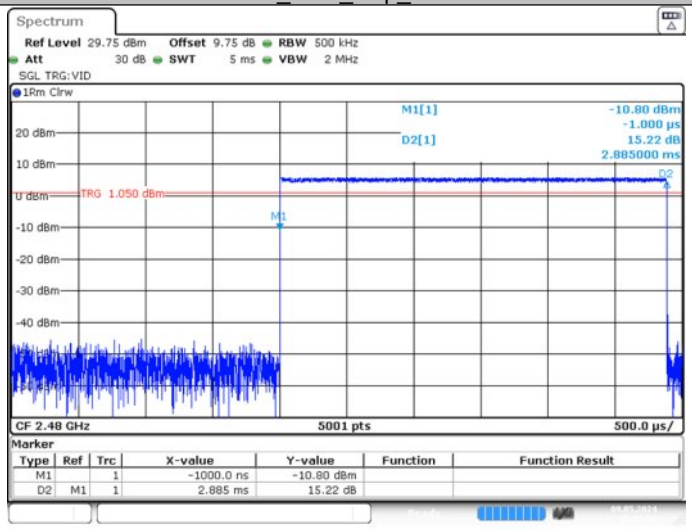
| Test Mode | Antenna | Channel | Result [Num.] | Limit [Num.] | Verdict |
|---|---|---|---|---|---|
| DH5 | Ant1 | Hop_2402 | 3 | 1 | PASS |
| | | Hop_2480 | 3 | 1 | PASS |
| 2DH5 | Ant1 | Hop_2402 | 4 | 1 | PASS |
| | | Hop_2480 | 3 | 1 | PASS |
| 3DH5 | Ant1 | Hop_2402 | 5 | 1 | PASS |
| | | Hop_2480 | 2 | 1 | PASS |

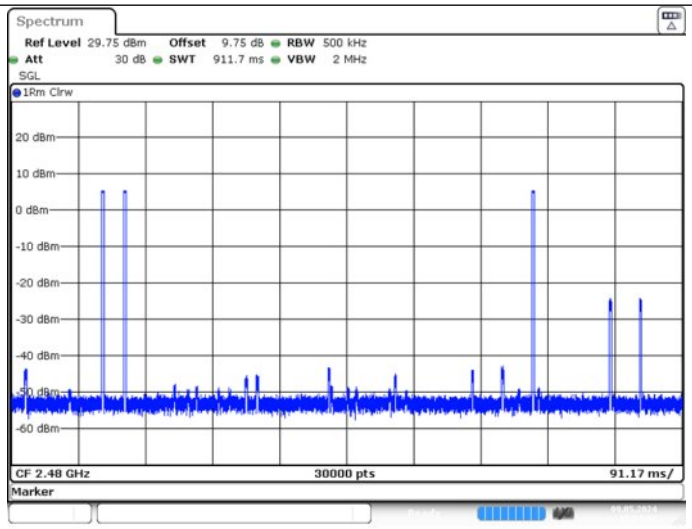
DH5_Ant1_Hop_2402



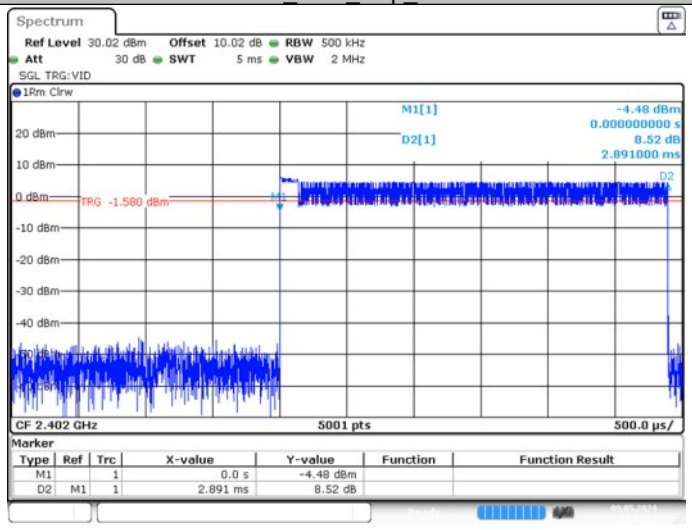



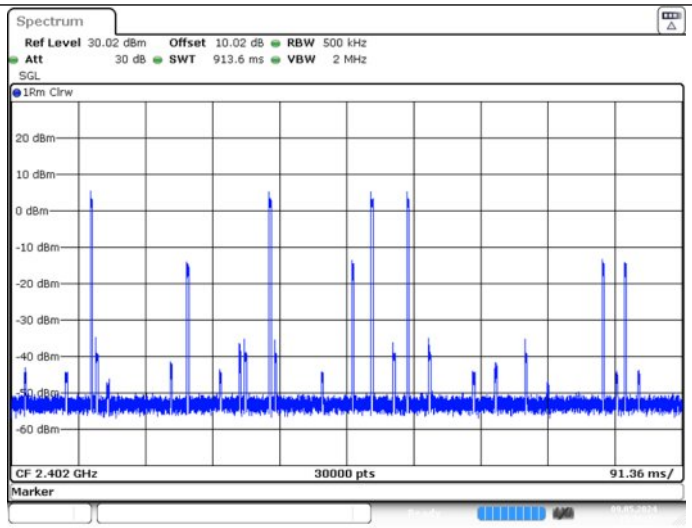
DH5_Ant1_Hop_2480



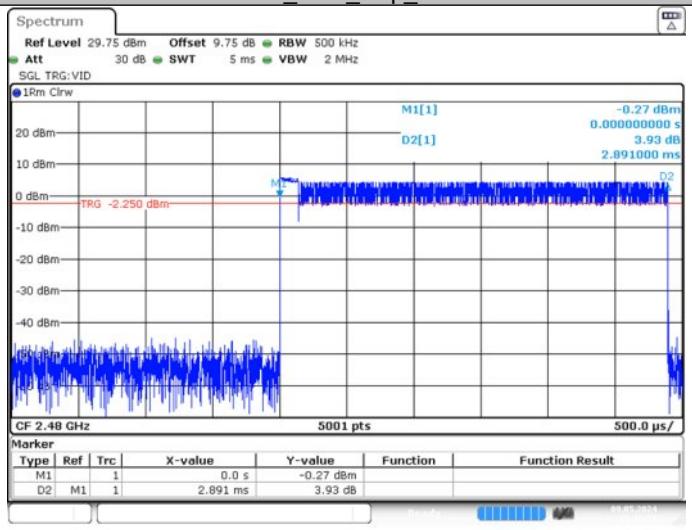

2DH5_Ant1_Hop_2402



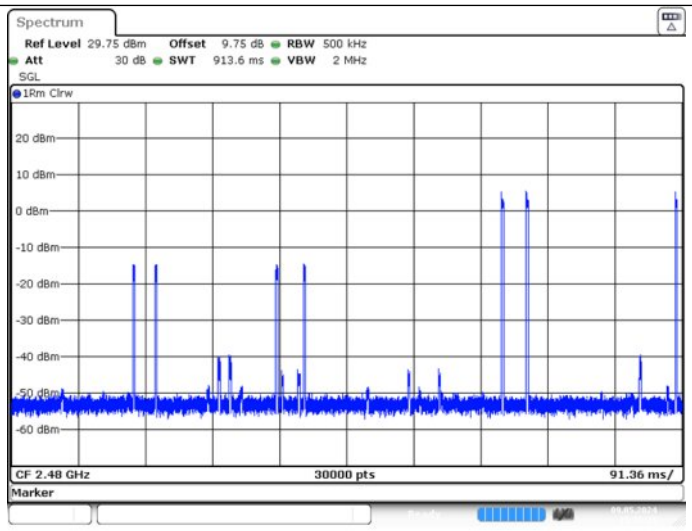



Date: 9.MAY.2024 15:31:27

2DH5_Ant1_Hop_2480

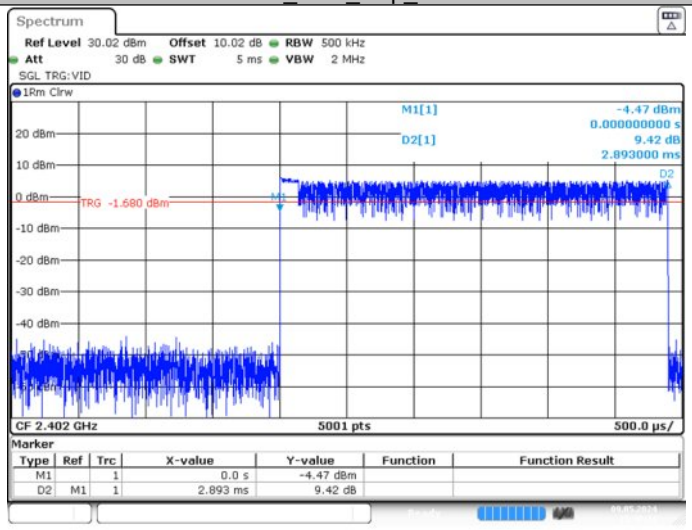



Date: 9.MAY.2024 15:33:23

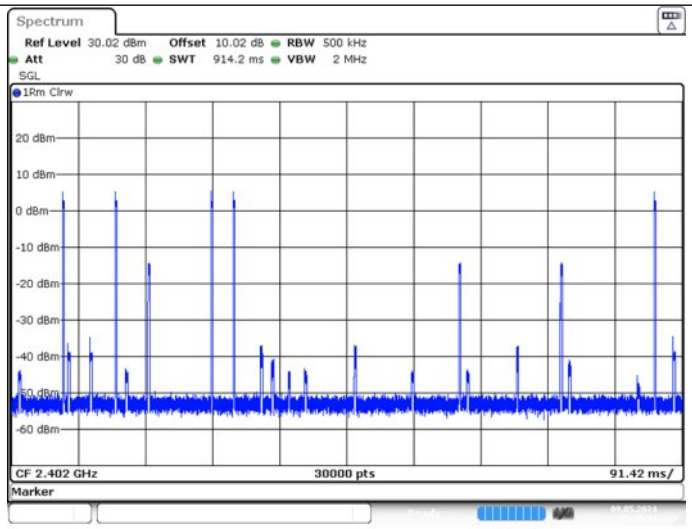



Date: 9.MAY.2024 15:33:26

3DH5_Ant1_Hop_2402

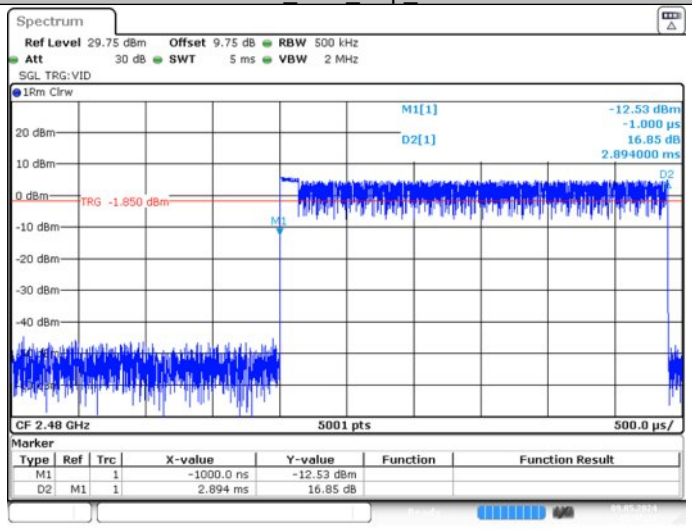



Date: 9.MAY.2024 15:40:41

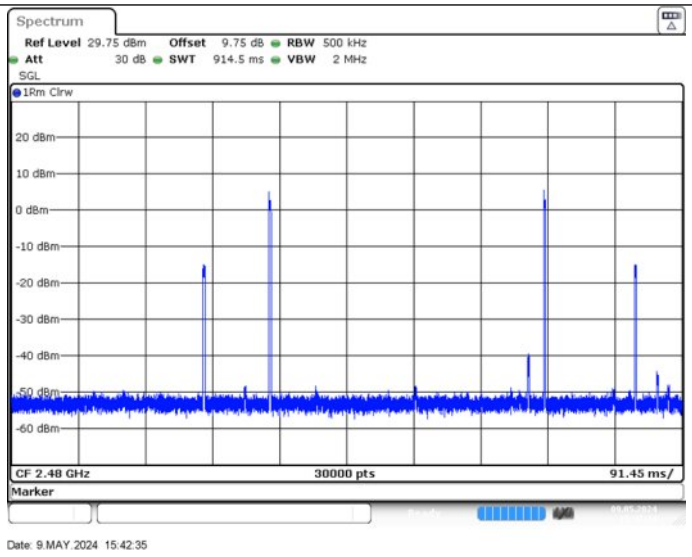



Date: 9.MAY.2024 15:40:45

3DH5_Ant1_Hop_2480



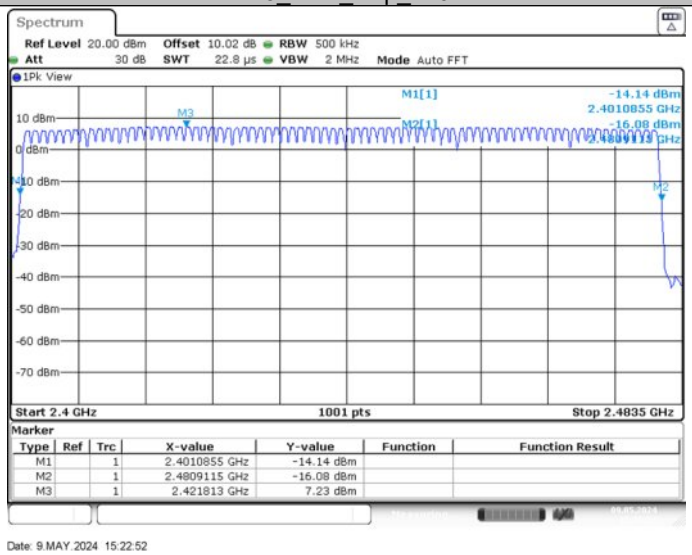

Date: 9.MAY.2024 15:42:31


Spectrum
Ref Level 29.75 dBm Offset 9.75 dB RBW 500 kHz
Att 30 dB SWT 914.5 ms VBW 2 MHz
SGL
1Rm Clrw
20 dBm
10 dBm
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
CF 2.48 GHz
30000 pts
91.45 ms/
Marker
Date: 9.MAY.2024 15:42:35

# 4 Appendix A.4 : Hopping Sequence

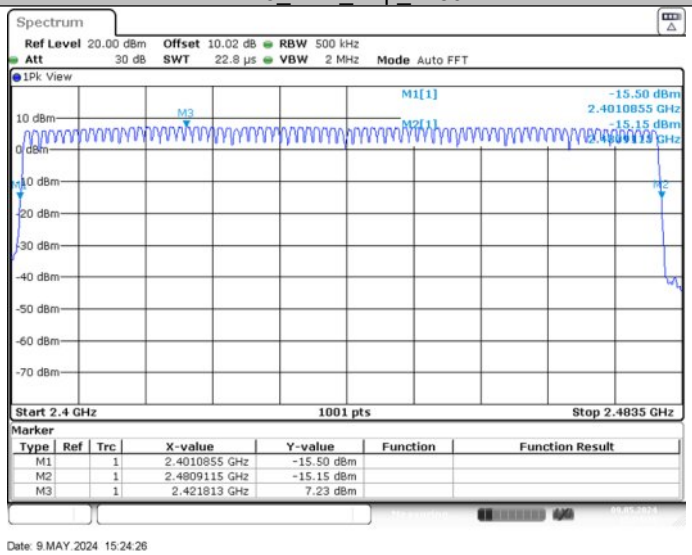
| Test Mode | Antenna | Channel | Hop. [Num.] | Limit [Num.] | Band Use [%] | Limit [%] | Verdict |
|---|---|---|---|---|---|---|---|
| DH5 | Ant1 | Hop_2402 | 79 | 15 | 95.60 | 70 | PASS |
| | | Hop_2480 | 79 | 15 | 95.60 | 70 | PASS |
| 2DH5 | Ant1 | Hop_2402 | 79 | 15 | 96.10 | 70 | PASS |
| | | Hop_2480 | 79 | 15 | 96.10 | 70 | PASS |
| 3DH5 | Ant1 | Hop_2402 | 79 | 15 | 96.10 | 70 | PASS |
| | | Hop_2480 | 79 | 15 | 96.10 | 70 | PASS |

DH5_Ant1_Hop_2402



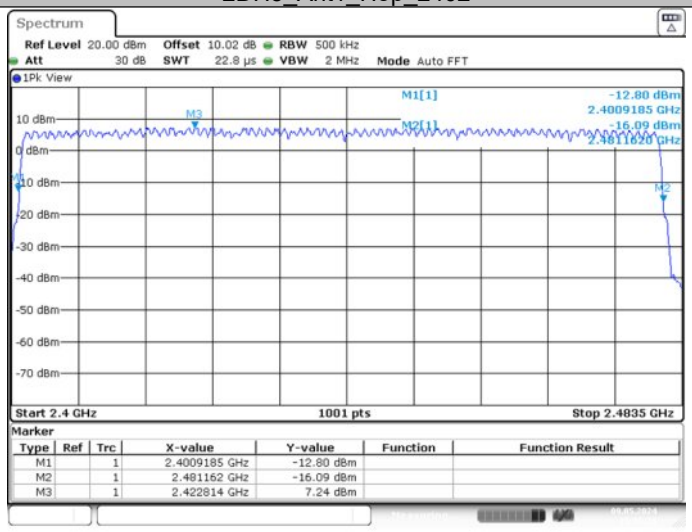

Date: 9.MAY.2024 15:22:52

DH5_Ant1_Hop_2480



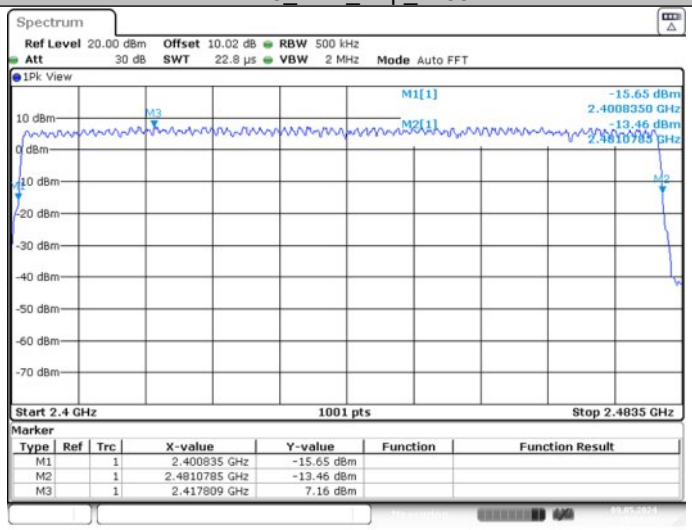

Date: 9.MAY.2024 15:24:26

2DH5_Ant1_Hop_2402



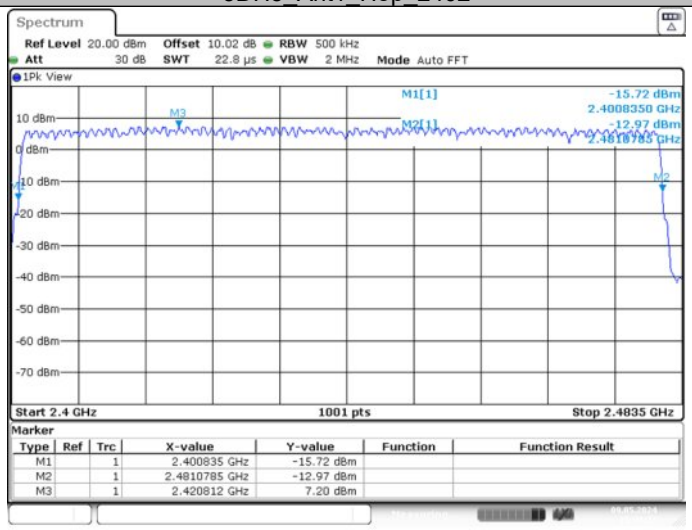

Date: 9.MAY.2024 15:32:20

2DH5_Ant1_Hop_2480



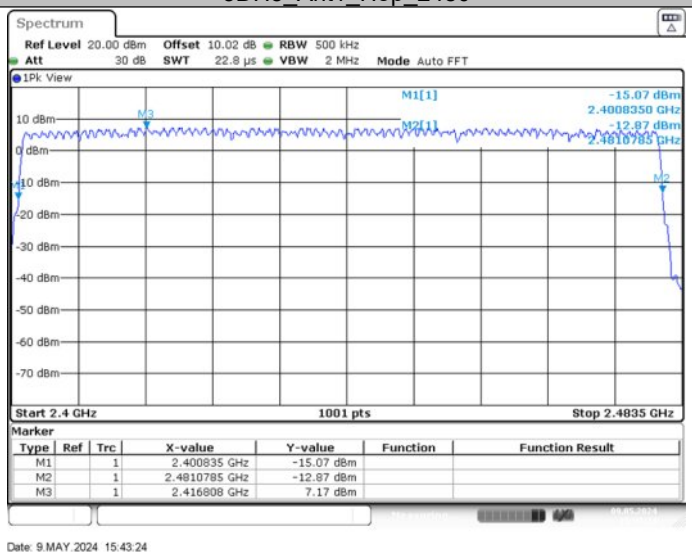

Date: 9.MAY.2024 15:34:20

3DH5_Ant1_Hop_2402




Date: 9.MAY.2024 15:41:27

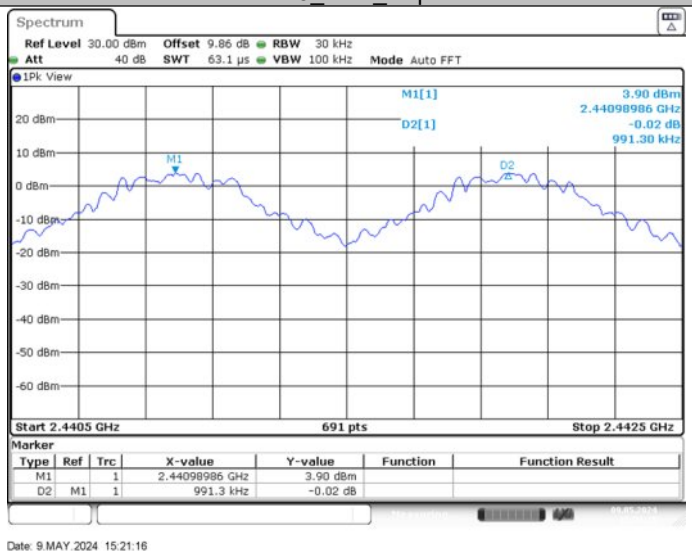
3DH5_Ant1_Hop_2480



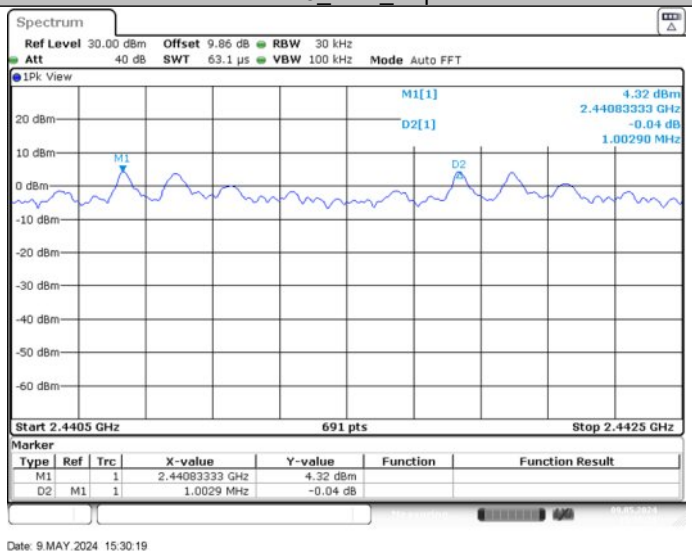
# 5 Appendix A.5: Hopping Frequency Separation

| Test Mode | Antenna | Channel | Result [MHz] | Limit [MHz] | Verdict |
|---|---|---|---|---|---|
| DH5 | Ant1 | Hop | 0.991 | 0.100 | PASS |
| 2DH5 | Ant1 | Hop | 1.003 | 0.100 | PASS |
| 3DH5 | Ant1 | Hop | 1.003 | 0.100 | PASS |

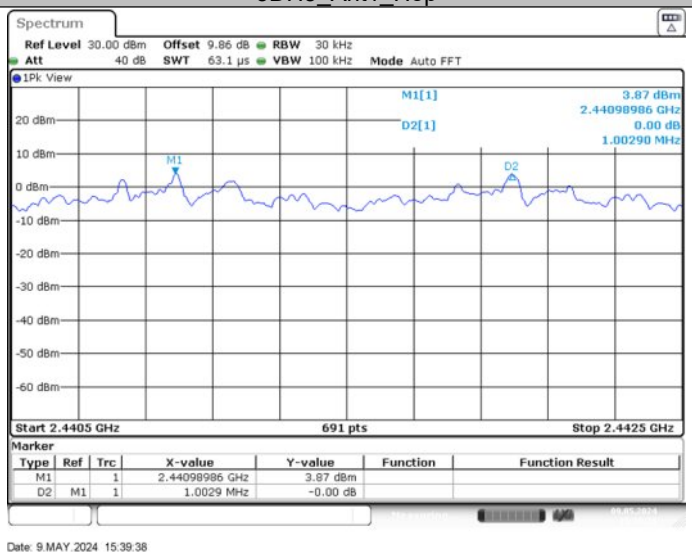
DH5_Ant1_Hop




2DH5_Ant1_Hop



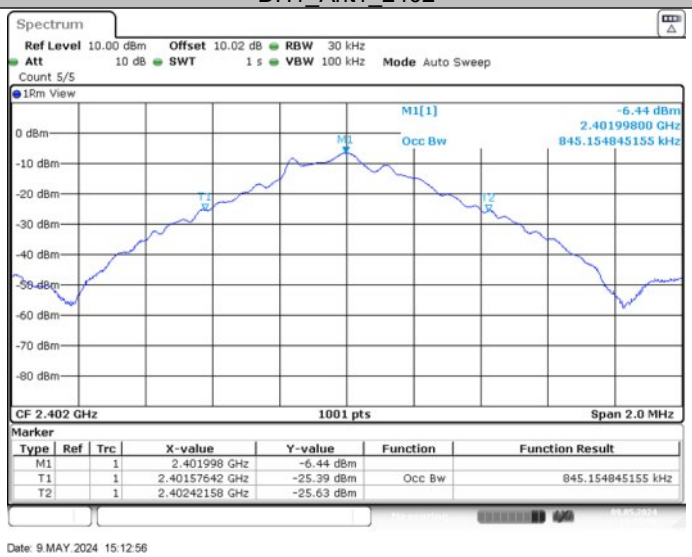
3DH5_Ant1_Hop



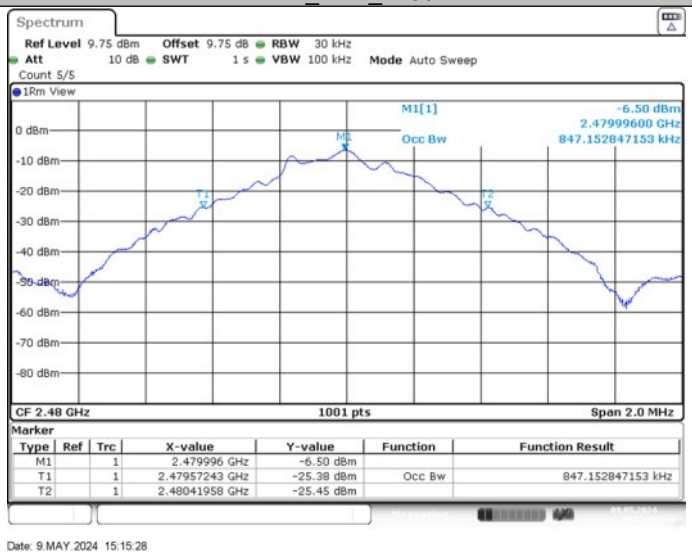
# 6 Appendix A.6: Occupied Channel Bandwidth

| Test Mode | Antenna | Channel | OCB [MHz] | FL [MHz] | FH [MHz] | Limit [MHz] | Verdict |
|---|---|---|---|---|---|---|---|
| DH1 | Ant1 | 2402 | 0.845 | 2401.5764 | 2402.4216 | 2400 to 2483.5 | PASS |
| | | 2480 | 0.847 | 2479.5724 | 2480.4196 | 2400 to 2483.5 | PASS |
| DH5 | Ant1 | 2402 | 0.875 | 2401.5604 | 2402.4356 | 2400 to 2483.5 | PASS |
| | | 2480 | 0.875 | 2479.5564 | 2480.4316 | 2400 to 2483.5 | PASS |
| 2DH1 | Ant1 | 2402 | 1.171 | 2401.4006 | 2402.5714 | 2400 to 2483.5 | PASS |
| | | 2480 | 1.171 | 2479.3986 | 2480.5694 | 2400 to 2483.5 | PASS |
| 2DH5 | Ant1 | 2402 | 1.221 | 2401.3906 | 2402.6114 | 2400 to 2483.5 | PASS |
| | | 2480 | 1.219 | 2479.3886 | 2480.6074 | 2400 to 2483.5 | PASS |
| 3DH1 | Ant1 | 2402 | 1.171 | 2401.4226 | 2402.5934 | 2400 to 2483.5 | PASS |
| | | 2480 | 1.169 | 2479.4206 | 2480.5894 | 2400 to 2483.5 | PASS |
| 3DH5 | Ant1 | 2402 | 1.227 | 2401.3806 | 2402.6074 | 2400 to 2483.5 | PASS |
| | | 2480 | 1.229 | 2479.3766 | 2480.6054 | 2400 to 2483.5 | PASS |

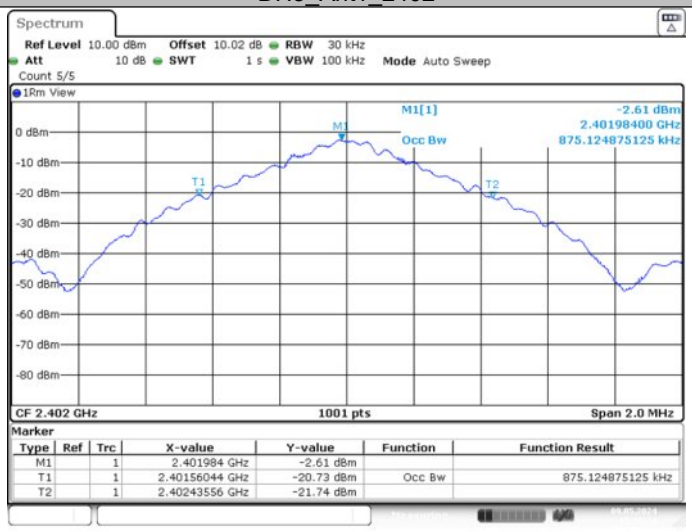
DH1_Ant1_2402




DH1_Ant1_2480

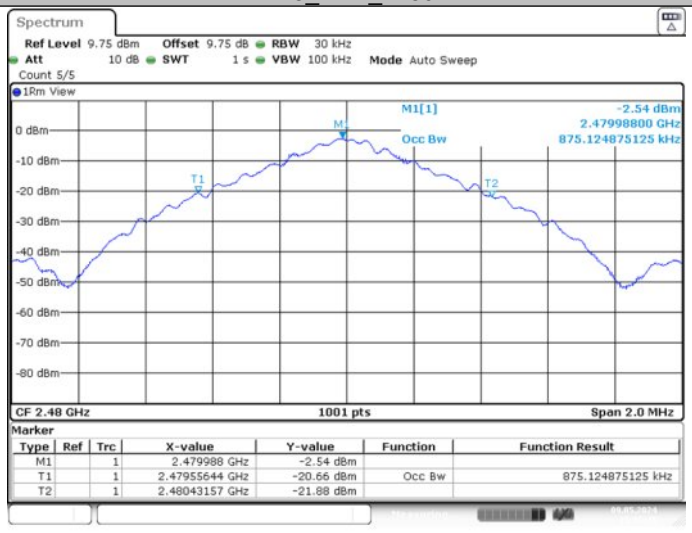


DH5_Ant1_2402



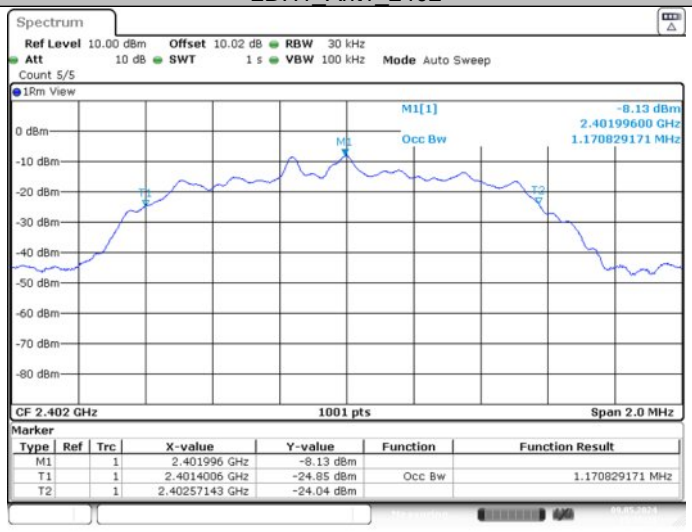

Date: 9.MAY.2024 15:13:13

DH5_Ant1_2480



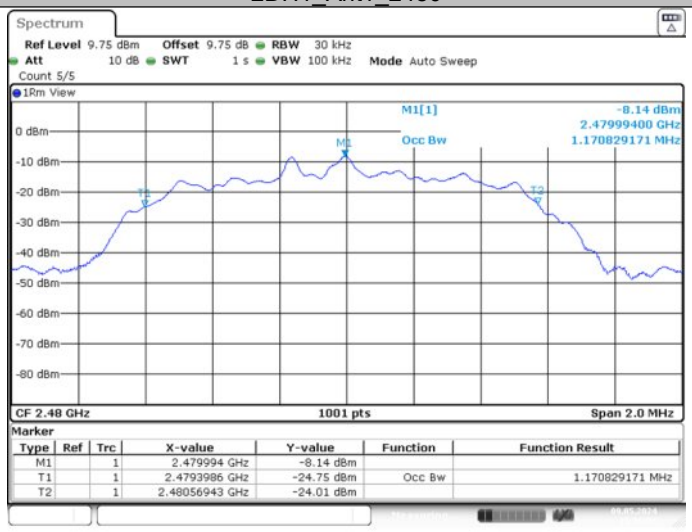

Date: 9.MAY.2024 15:15:45

2DH1_Ant1_2402



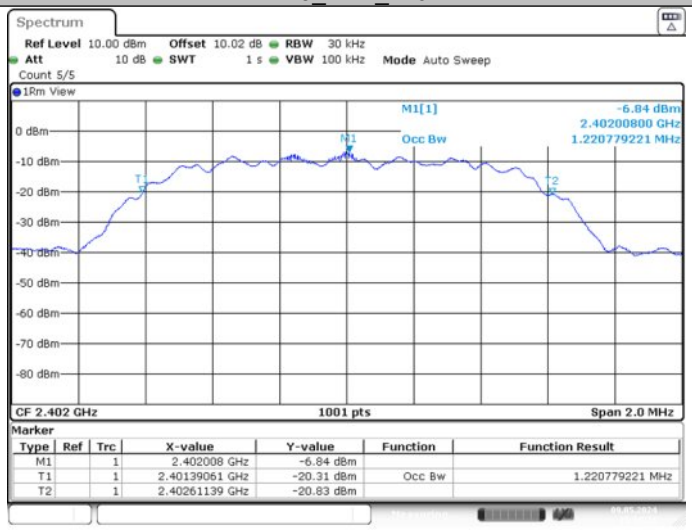

Date: 9.MAY.2024 15:13:29

2DH1_Ant1_2480



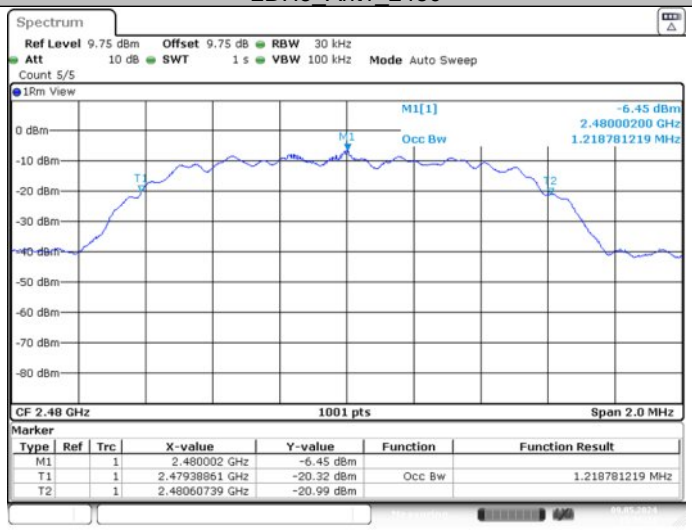

Date: 9.MAY.2024 15:16:02

2DH5_Ant1_2402



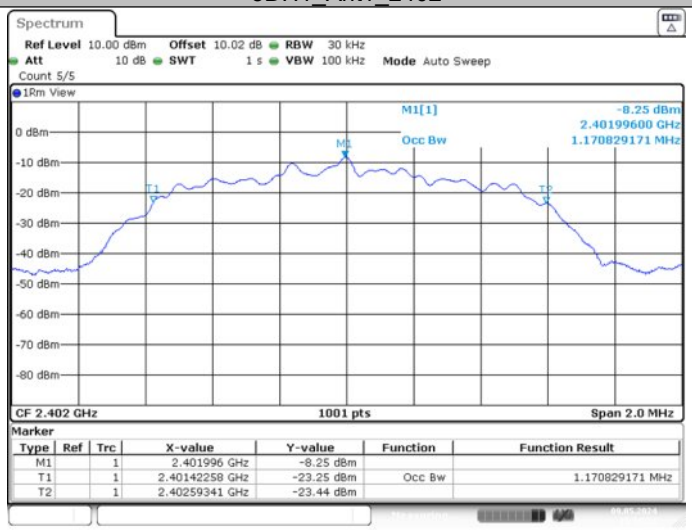

Date: 9.MAY.2024 15:14:33

2DH5_Ant1_2480



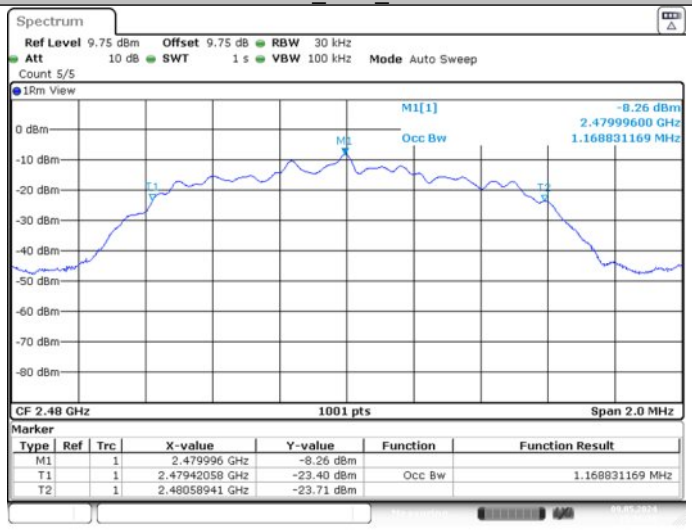

Date: 9.MAY.2024 15:16:21

3DH1_Ant1_2402



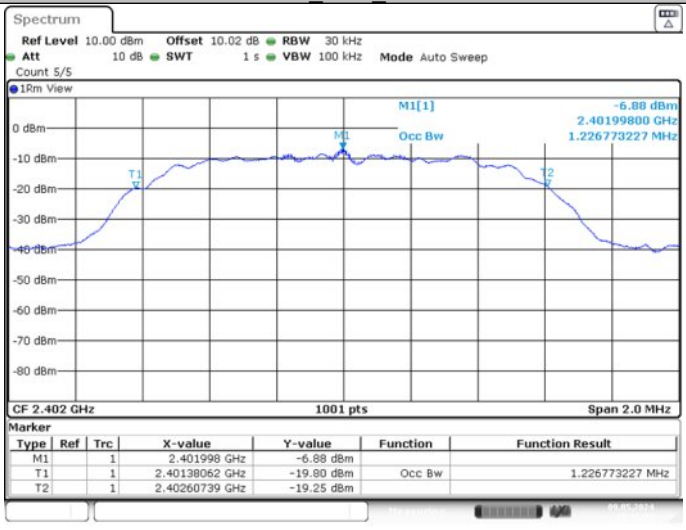

Date: 9.MAY.2024 15:14:53

3DH1_Ant1_2480



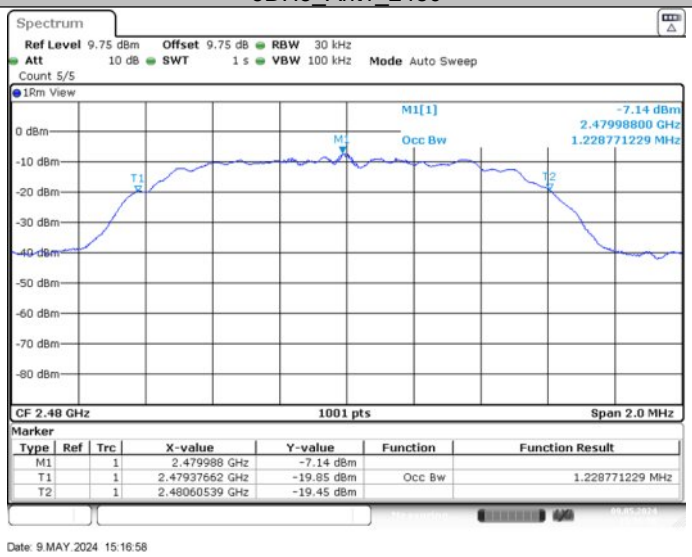

Date: 9.MAY.2024 15:16:39

3DH5_Ant1_2402




Date: 9.MAY.2024 15:15:09

3DH5_Ant1_2480

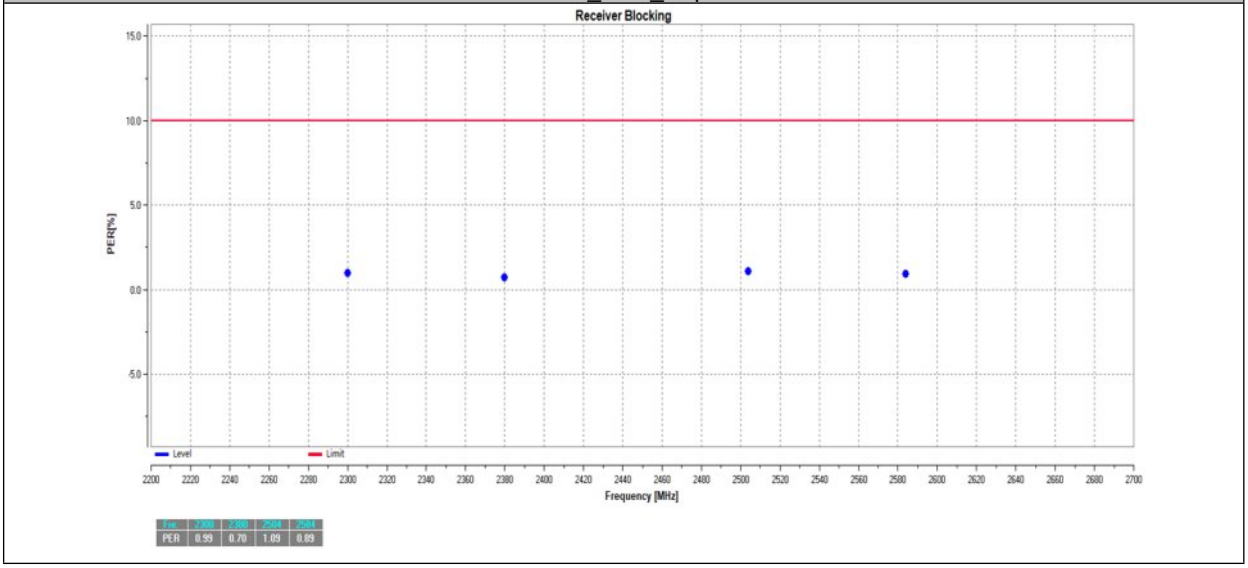


# 7 Appendix A.7: Receiver Blocking

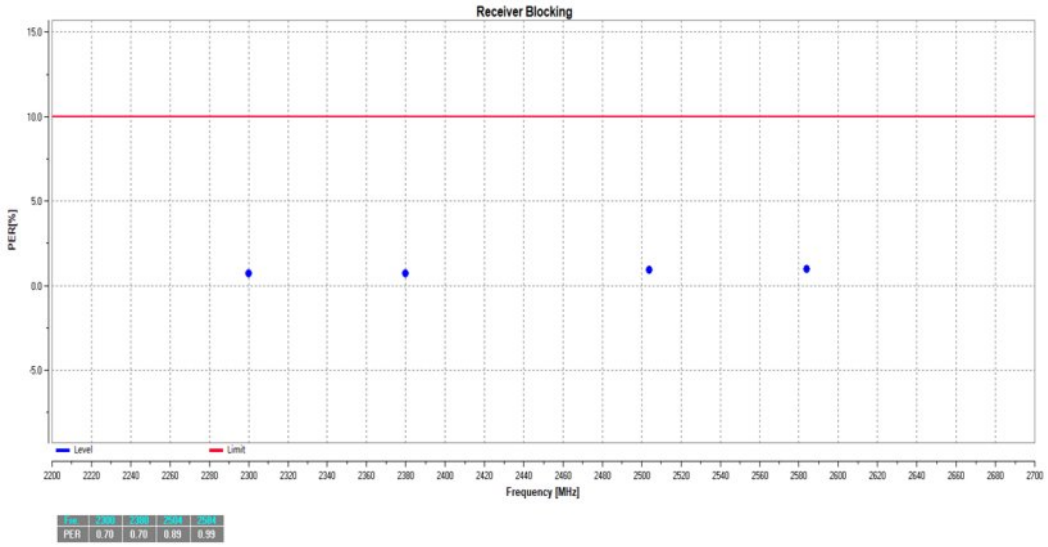
Note: The EUT is category 2 receiver.

| Test Mode | Antenna | Channel | Pmin [dBm] | Wanted signal [dBm] | Freq. [MHz] | CW [dBm] | PER [%] | Limit [%] | Verdict |
|---|---|---|---|---|---|---|---|---|---|
| DH1 | Ant1 | Hop | --- | -67.13 | 2300 | -31.41 | 0.99 | ≤10 | PASS |
| | | | --- | -67.13 | 2380 | -31.41 | 0.70 | ≤10 | PASS |
| | | | --- | -67.13 | 2504 | -31.41 | 1.09 | ≤10 | PASS |
| | | | --- | -67.13 | 2584 | -31.41 | 0.89 | ≤10 | PASS |
| 2DH1 | Ant1 | Hop | --- | -65.72 | 2300 | -31.41 | 0.70 | ≤10 | PASS |
| | | | --- | -65.72 | 2380 | -31.41 | 0.70 | ≤10 | PASS |
| | | | --- | -65.72 | 2504 | -31.41 | 0.89 | ≤10 | PASS |
| | | | --- | -65.72 | 2584 | -31.41 | 0.99 | ≤10 | PASS |
| 3DH1 | Ant1 | Hop | --- | -65.72 | 2300 | -31.41 | 3.01 | ≤10 | PASS |
| | | | --- | -65.72 | 2380 | -31.41 | 0.70 | ≤10 | PASS |
| | | | --- | -65.72 | 2504 | -31.41 | 0.99 | ≤10 | PASS |
| | | | --- | -65.72 | 2584 | -31.41 | 0.99 | ≤10 | PASS |

DH1_Ant1_Hop

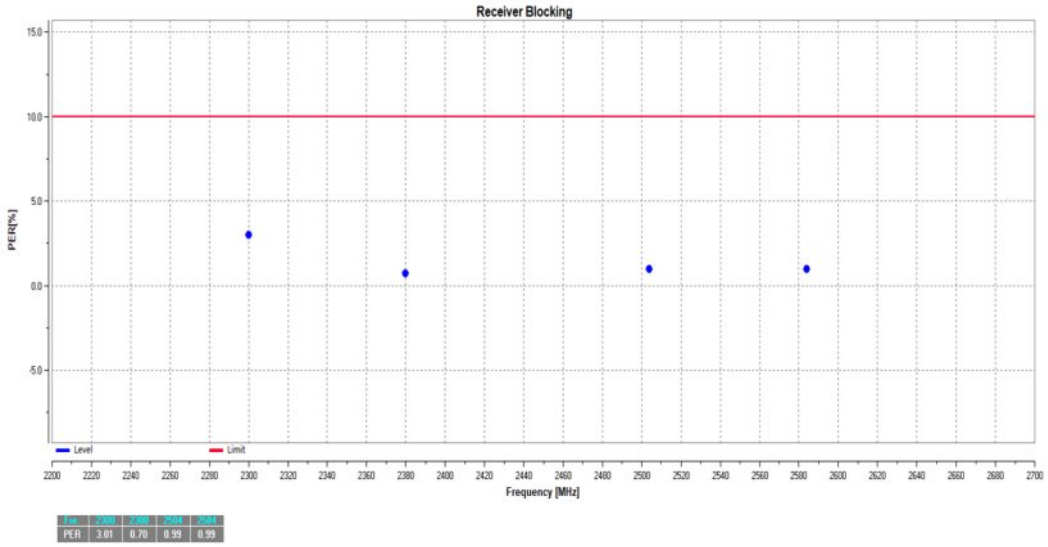


2DH1_Ant1_Hop




| | | | | |
|---|---|---|---|---|
| PER | 0.70 | 0.70 | 0.89 | 0.99 |

3DH1_Ant1_Hop

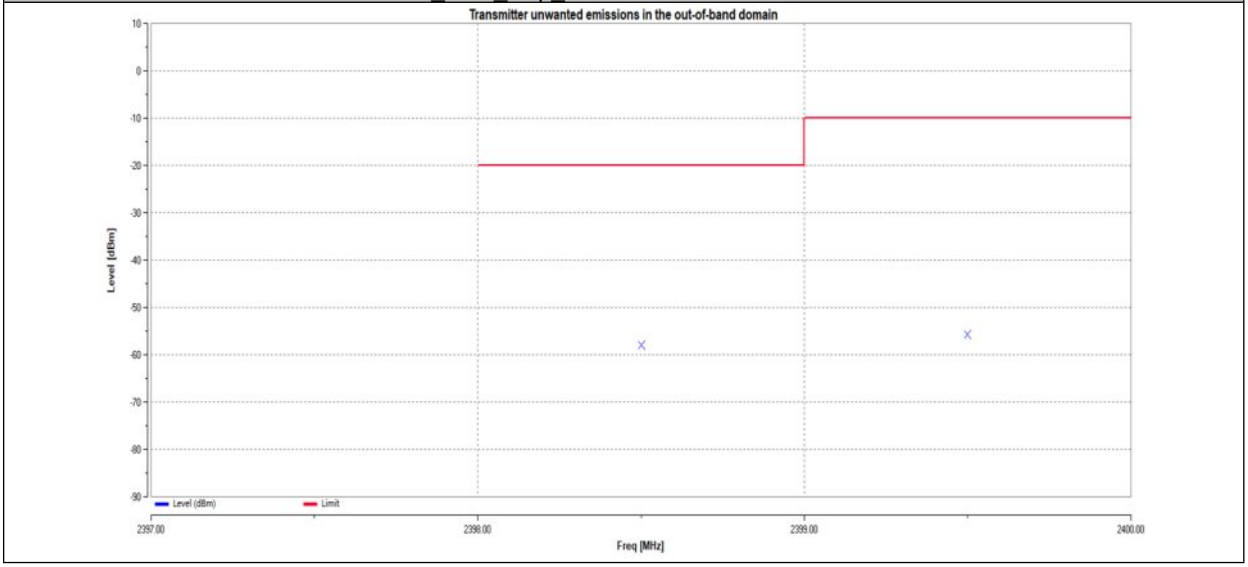



| | | | | |
|---|---|---|---|---|
| PER | 3.01 | 0.70 | 0.99 | 0.99 |

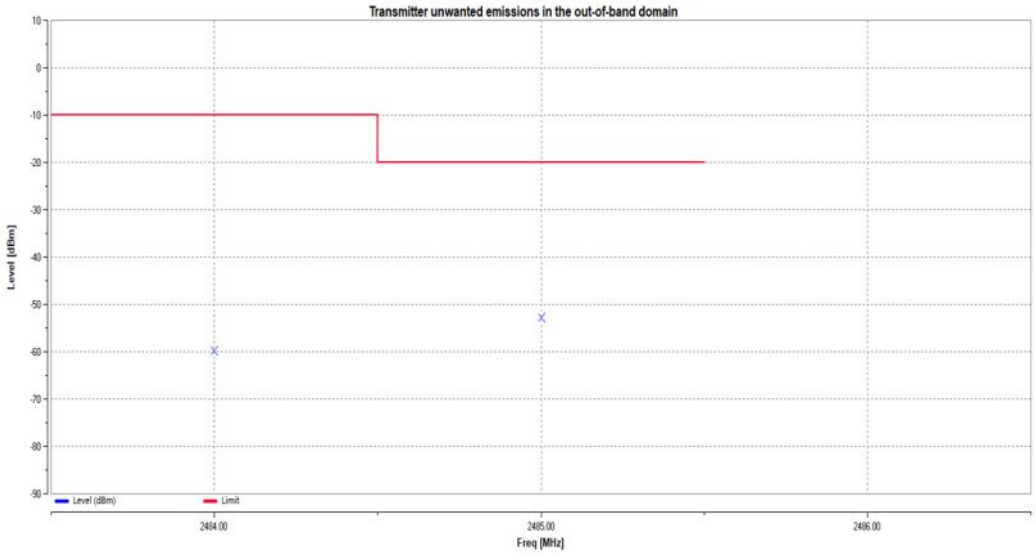
# 8 Appendix A.8 : Tx unwanted emissions in the out-of-band domain

| Test Mode | Antenna | Channel | Freq. [MHz] | Level [dBm] | Limit [dBm] | Verdict |
|---|---|---|---|---|---|---|
| DH5 | Ant1 | Hop | 2398.500 | -58.01 | -20.00 | PASS |
| | | | 2399.500 | -55.72 | -10.00 | PASS |
| | | | 2484.000 | -59.78 | -10.00 | PASS |
| | | | 2485.000 | -52.78 | -20.00 | PASS |
| 2DH5 | Ant1 | Hop | 2398.058 | -45.03 | -20.00 | PASS |
| | | | 2398.279 | -45.35 | -20.00 | PASS |
| | | | 2399.279 | -53.34 | -10.00 | PASS |
| | | | 2399.500 | -53.63 | -10.00 | PASS |
| | | | 2484.000 | -45.22 | -10.00 | PASS |
| | | | 2484.221 | -44.44 | -10.00 | PASS |
| | | | 2485.221 | -49.37 | -20.00 | PASS |
| | | | 2485.442 | -47.31 | -20.00 | PASS |
| 3DH5 | Ant1 | Hop | 2398.042 | -45.17 | -20.00 | PASS |
| | | | 2398.271 | -43.34 | -20.00 | PASS |
| | | | 2399.271 | -52.77 | -10.00 | PASS |
| | | | 2399.500 | -45.11 | -10.00 | PASS |
| | | | 2484.000 | -44.24 | -10.00 | PASS |
| | | | 2484.229 | -45.48 | -10.00 | PASS |
| | | | 2485.229 | -45.81 | -20.00 | PASS |
| | | | 2485.458 | -46.66 | -20.00 | PASS |

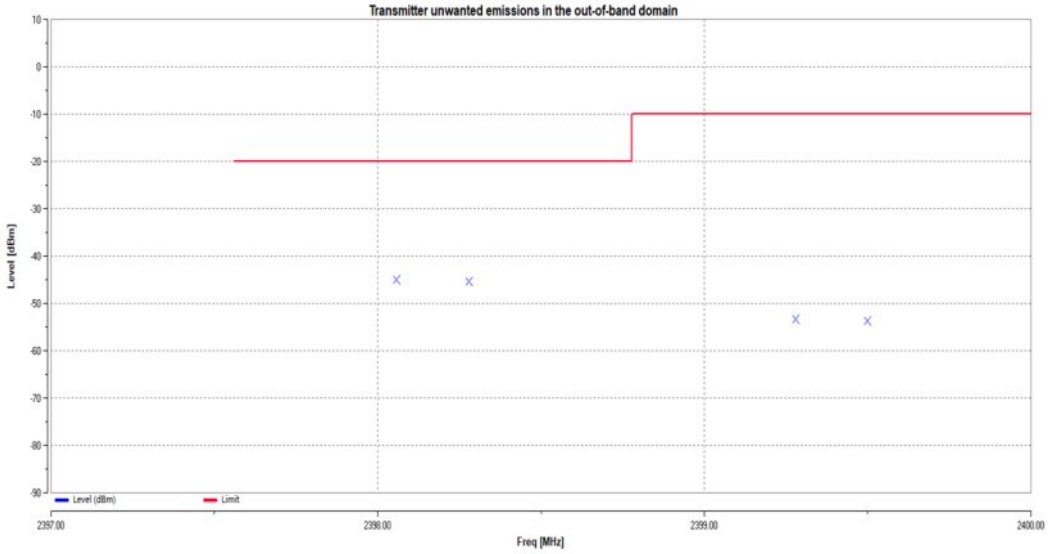
DH5_Ant1_Hop_2400MHz-2BW to 2400MHz



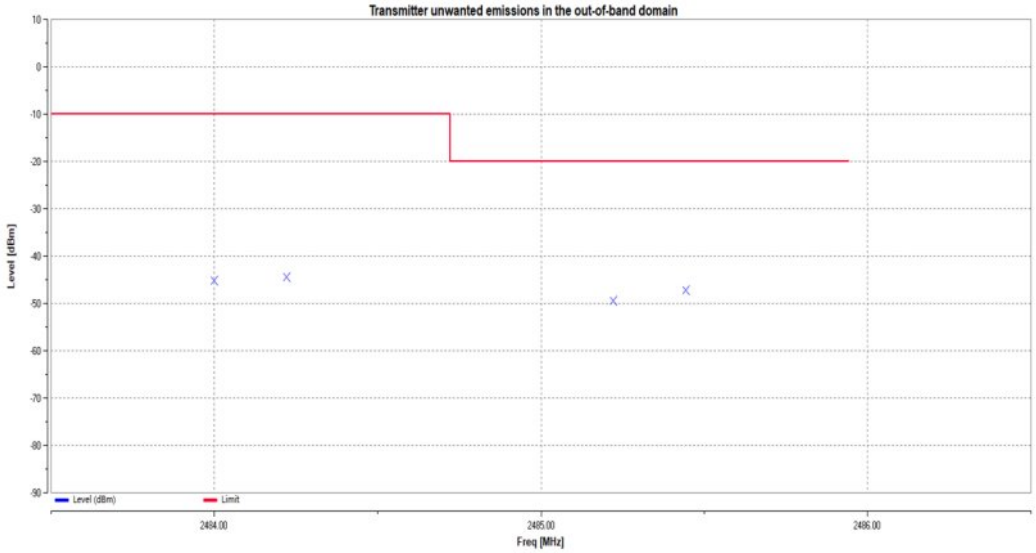
DH5_Ant1_Hop_2483.5MHz to 2483.5MHz+2BW



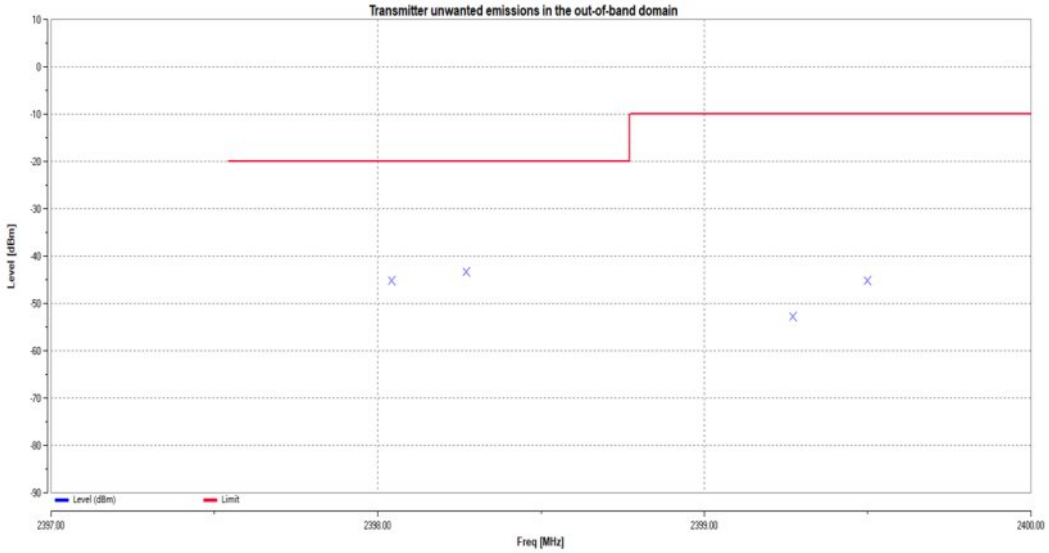

2DH5_Ant1_Hop_2400MHz-2BW to 2400MHz



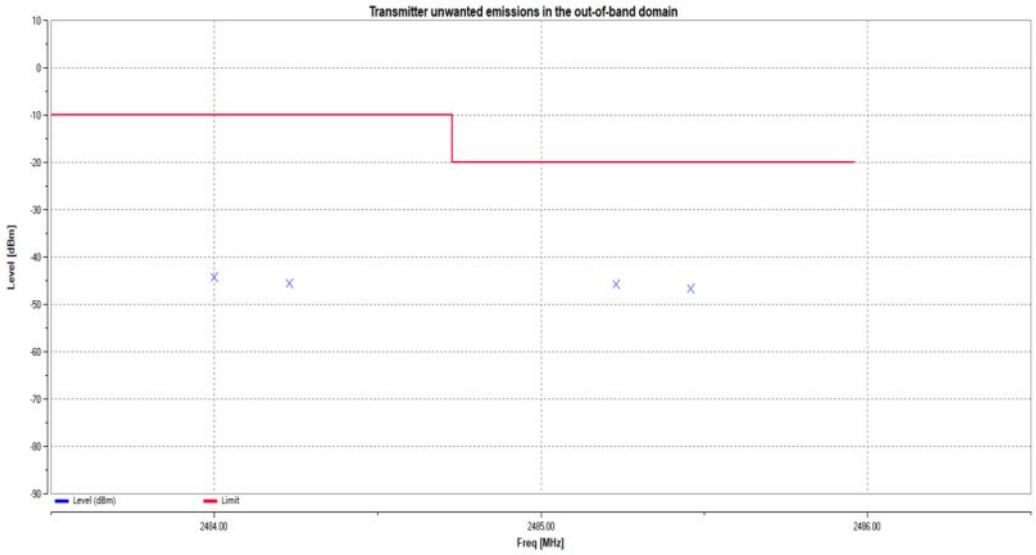

2DH5_Ant1_Hop_2483.5MHz to 2483.5MHz+2BW



3DH5_Ant1_Hop_2400MHz-2BW to 2400MHz




3DH5_Ant1_Hop_2483.5MHz to 2483.5MHz+2BW

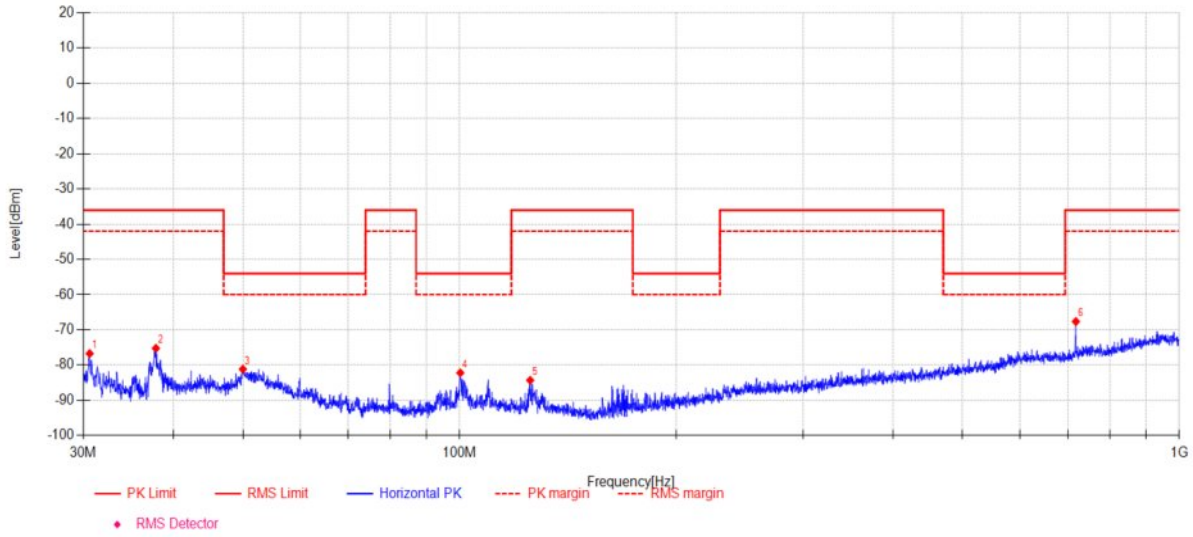


# 9 Appendix A.9: Test Plots of Transmitter Unwanted Emission in the spurious domain

Note: The EUT without antenna connector.

| | | | |
|---|---|---|---|
| **Test Date**: | 2024-05-20 | **Tested By**: | Genliu |
| **EUT**: | Studio Monitor | **Model Number**: | EDF100081 |
| **Test Mode**: | DH5 TX 2402MHz | **Power Supply**: | Battery |
| **Condition**: | Temp:22.4°C;Humi:63.3% | **Test Site**: | DDT 3# Chamber |
| **File Path**: | d:\ts\2024 report data\Q24041204-1E\CE BELOW 1G\13 | | |
| **Memo**: | Sample Number:S24041204-005 Power Setting:10 | | |

**Test Graph**



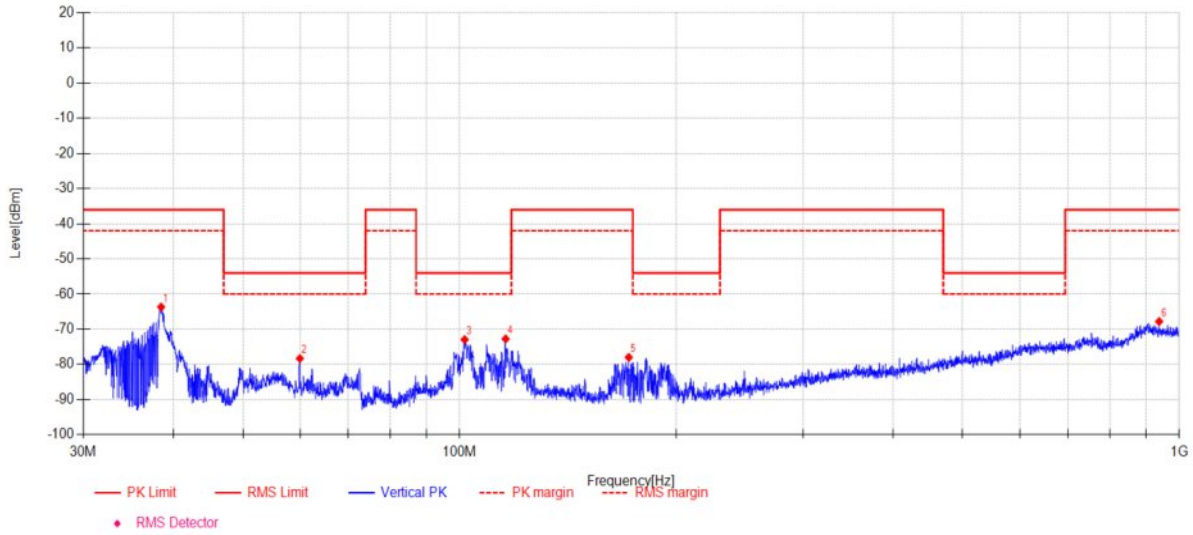

**Data List**

| NO. | Freq. [MHz] | Reading [dBµV/m] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Detector | Polarity | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 30.616 | 36.76 | -113.48 | -76.72 | -36.00 | 40.72 | PK | Horizontal | ERP |
| 2 | 37.837 | 36.88 | -112.11 | -75.23 | -36.00 | 39.23 | PK | Horizontal | ERP |
| 3 | 49.981 | 29.19 | -110.35 | -81.16 | -54.00 | 27.16 | PK | Horizontal | ERP |
| 4 | 100.204 | 33.18 | -115.37 | -82.19 | -54.00 | 28.19 | PK | Horizontal | ERP |
| 5 | 125.322 | 32.62 | -116.92 | -84.30 | -36.00 | 48.30 | PK | Horizontal | ERP |
| 6 | 718.239 | 35.39 | -103.02 | -67.63 | -36.00 | 31.63 | PK | Horizontal | ERP |

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

| | | | |
|---|---|---|---|
| **Test Date**: | 2024-05-20 | **Tested By**: | Genliu |
| **EUT**: | Studio Monitor | **Model Number**: | EDF100081 |
| **Test Mode**: | DH5 TX 2402MHz | **Power Supply**: | Battery |
| **Condition**: | Temp:22.4°C;Humi:63.3% | **Test Site**: | DDT 3# Chamber |
| **File Path**: | d:\ts\2024 report data\Q24041204-1E\CE BELOW 1G\14 | | |
| **Memo**: | Sample Number:S24041204-005 Power Setting:10 | | |

**Test Graph**



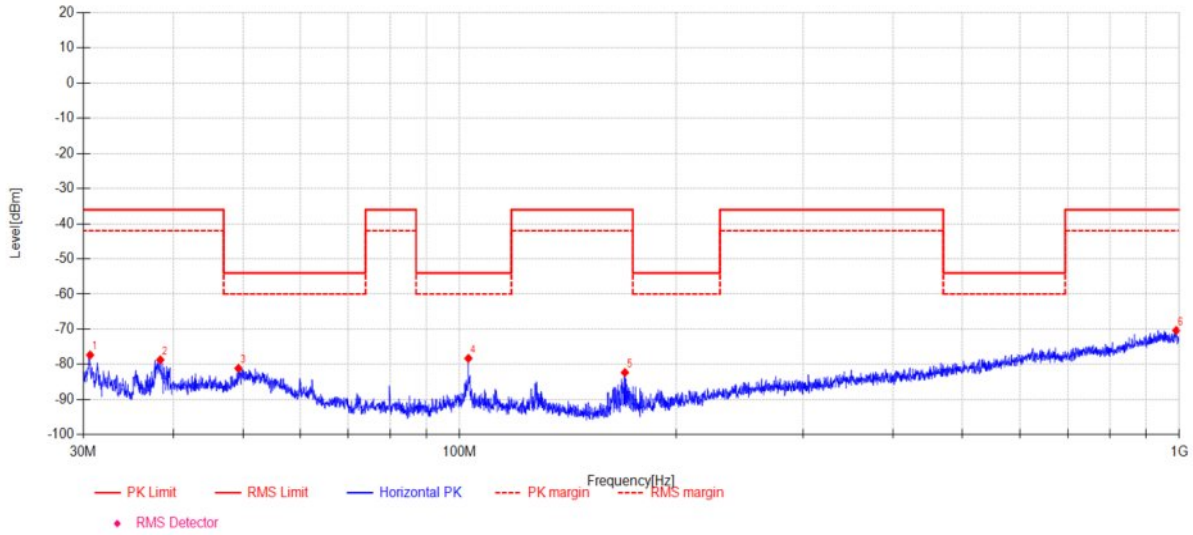

**Data List**

| NO. | Freq. [MHz] | Reading [dBµV/m] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Detector | Polarity | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 38.479 | 52.59 | -116.27 | -63.68 | -36.00 | 27.68 | PK | Vertical | ERP |
| 2 | 59.977 | 36.80 | -115.11 | -78.31 | -54.00 | 24.31 | PK | Vertical | ERP |
| 3 | 101.620 | 37.56 | -110.50 | -72.94 | -54.00 | 18.94 | PK | Vertical | ERP |
| 4 | 115.857 | 38.74 | -111.48 | -72.74 | -54.00 | 18.74 | PK | Vertical | ERP |
| 5 | 171.814 | 35.75 | -113.75 | -78.00 | -36.00 | 42.00 | PK | Vertical | ERP |
| 6 | 937.529 | 28.07 | -95.86 | -67.79 | -36.00 | 31.79 | PK | Vertical | ERP |

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

| | | | |
|---|---|---|---|
| **Test Date**: | 2024-05-20 | **Tested By**: | Genliu |
| **EUT**: | Studio Monitor | **Model Number**: | EDF100081 |
| **Test Mode**: | DH5 TX 2480MHz | **Power Supply**: | Battery |
| **Condition**: | Temp:22.4°C;Humi:63.3% | **Test Site**: | DDT 3# Chamber |
| **File Path**: | d:\ts\2024 report data\Q24041204-1E\CE BELOW 1G\15 | | |
| **Memo**: | Sample Number:S24041204-005 Power Setting:10 | | |

**Test Graph**



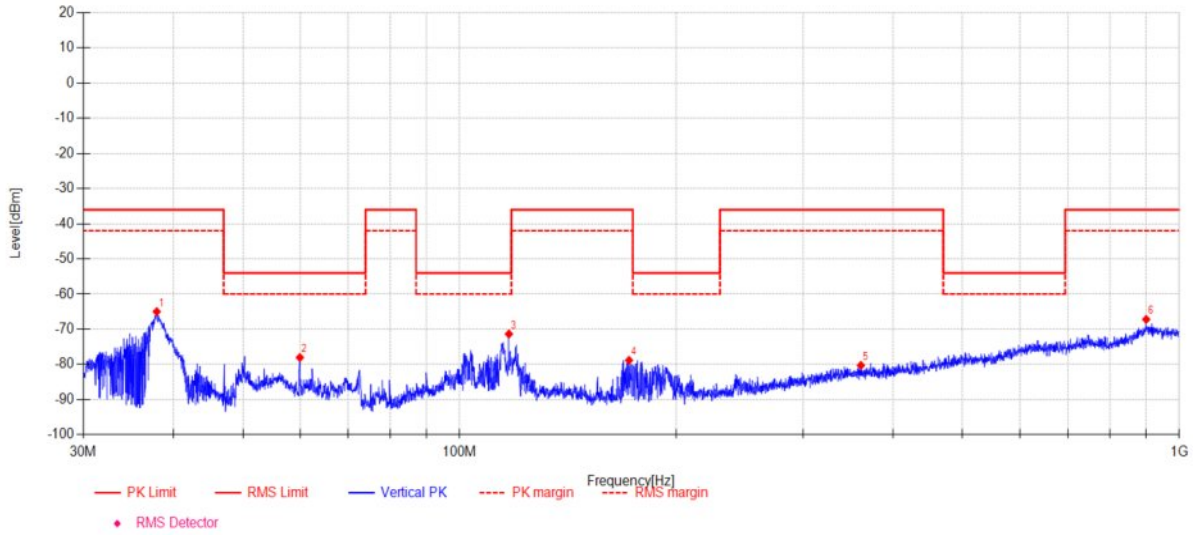

**Data List**

| NO. | Freq. [MHz] | Reading [dBµV/m] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Detector | Polarity | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 30.659 | 36.15 | -113.47 | -77.32 | -36.00 | 41.32 | PK | Horizontal | ERP |
| 2 | 38.371 | 33.30 | -112.00 | -78.70 | -36.00 | 42.70 | PK | Horizontal | ERP |
| 3 | 49.285 | 29.32 | -110.45 | -81.13 | -54.00 | 27.13 | PK | Horizontal | ERP |
| 4 | 102.838 | 37.26 | -115.54 | -78.28 | -54.00 | 24.28 | PK | Horizontal | ERP |
| 5 | 169.659 | 34.90 | -117.22 | -82.32 | -36.00 | 46.32 | PK | Horizontal | ERP |
| 6 | 990.232 | 27.67 | -98.01 | -70.34 | -36.00 | 34.34 | PK | Horizontal | ERP |

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

| | | | |
|---|---|---|---|
| **Test Date**: | 2024-05-20 | **Tested By**: | Genliu |
| **EUT**: | Studio Monitor | **Model Number**: | EDF100081 |
| **Test Mode**: | DH5 TX 2480MHz | **Power Supply**: | Battery |
| **Condition**: | Temp:22.4°C;Humi:63.3% | **Test Site**: | DDT 3# Chamber |
| **File Path**: | d:\ts\2024 report data\Q24041204-1E\CE BELOW 1G\16 | | |
| **Memo**: | Sample Number:S24041204-005 Power Setting:10 | | |

**Test Graph**



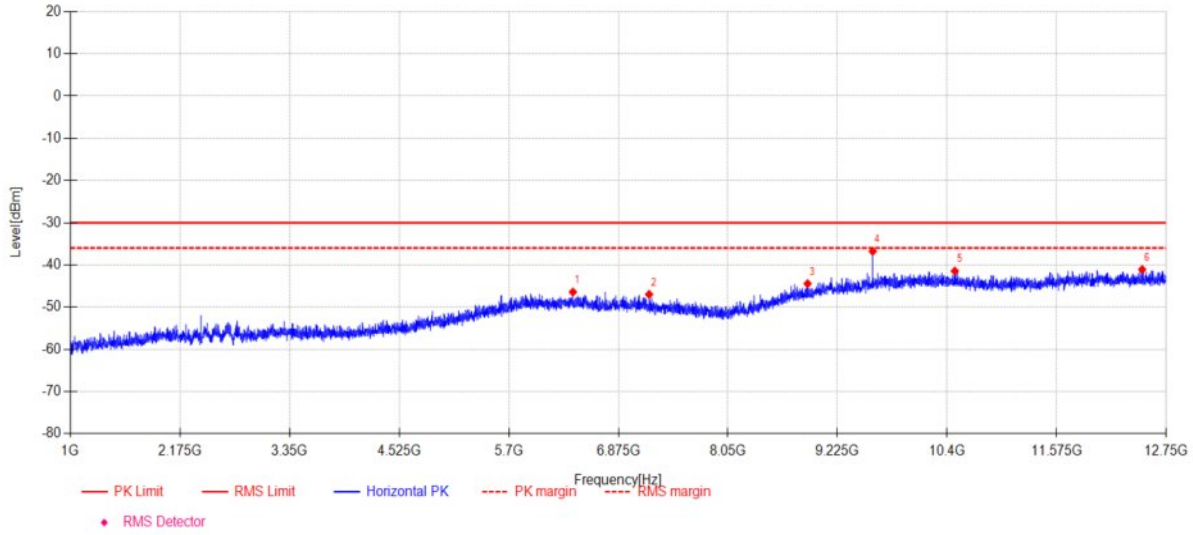

**Data List**

| NO. | Freq. [MHz] | Reading [dBµV/m] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Detector | Polarity | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 37.943 | 51.34 | -116.34 | -65.00 | -36.00 | 29.00 | PK | Vertical | ERP |
| 2 | 59.977 | 37.06 | -115.11 | -78.05 | -54.00 | 24.05 | PK | Vertical | ERP |
| 3 | 117.082 | 40.21 | -111.56 | -71.35 | -54.00 | 17.35 | PK | Vertical | ERP |
| 4 | 171.935 | 34.92 | -113.75 | -78.83 | -36.00 | 42.83 | PK | Vertical | ERP |
| 5 | 361.027 | 26.82 | -107.08 | -80.26 | -36.00 | 44.26 | PK | Vertical | ERP |
| 6 | 899.535 | 28.45 | -95.65 | -67.20 | -36.00 | 31.20 | PK | Vertical | ERP |

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

| | | | |
|---|---|---|---|
| **Test Date**: | 2024-06-15 | **Tested By**: | Genliu |
| **EUT**: | Studio Monitor | **Model Number**: | EDF100081 |
| **Test Mode**: | DH5 TX 2402MHz | **Power Supply**: | Battery |
| **Condition**: | Temp:20.4°C;Humi:60.3% | **Test Site**: | DDT 3# Chamber |
| **File Path**: | d:\ts\2024 report data\Q24041204-1E\CE ABOVE 1G\11 | | |
| **Memo**: | Sample Number:S24041204-005 Power Setting:10 | | |

**Test Graph**



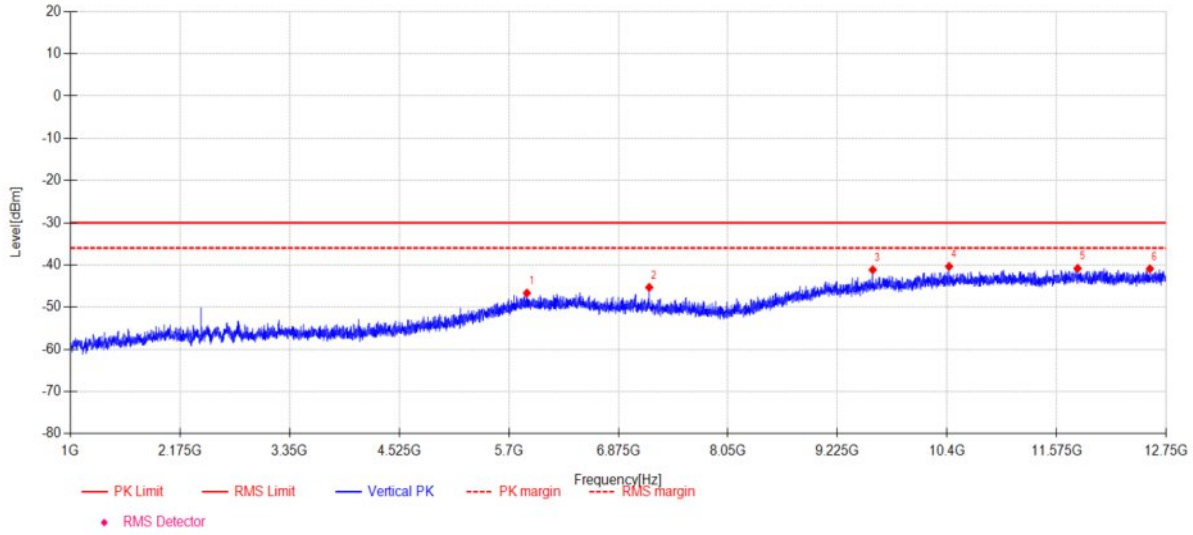

**Data List**

| NO. | Freq. [MHz] | Reading [dBµV/m] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Detector | Polarity | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 6388.550 | 47.77 | -94.20 | -46.43 | -30.00 | 16.43 | PK | Horizontal | EIRP |
| 2 | 7205.175 | 47.93 | -94.91 | -46.98 | -30.00 | 16.98 | PK | Horizontal | EIRP |
| 3 | 8904.225 | 45.52 | -89.97 | -44.45 | -30.00 | 14.45 | PK | Horizontal | EIRP |
| 4 | 9602.175 | 51.23 | -88.01 | -36.78 | -30.00 | 6.78 | PK | Horizontal | EIRP |
| 5 | 10482.250 | 46.19 | -87.63 | -41.44 | -30.00 | 11.44 | PK | Horizontal | EIRP |
| 6 | 12491.500 | 46.69 | -87.77 | -41.08 | -30.00 | 11.08 | PK | Horizontal | EIRP |

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss + Filter Factor - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

| | | | |
|---|---|---|---|
| **Test Date**: | 2024-06-15 | **Tested By**: | Genliu |
| **EUT**: | Studio Monitor | **Model Number**: | EDF100081 |
| **Test Mode**: | DH5 TX 2402MHz | **Power Supply**: | Battery |
| **Condition**: | Temp:20.4°C;Humi:60.3% | **Test Site**: | DDT 3# Chamber |
| **File Path**: | d:\ts\2024 report data\Q24041204-1E\CE ABOVE 1G\12 | | |
| **Memo**: | Sample Number:S24041204-005 Power Setting:10 | | |

**Test Graph**



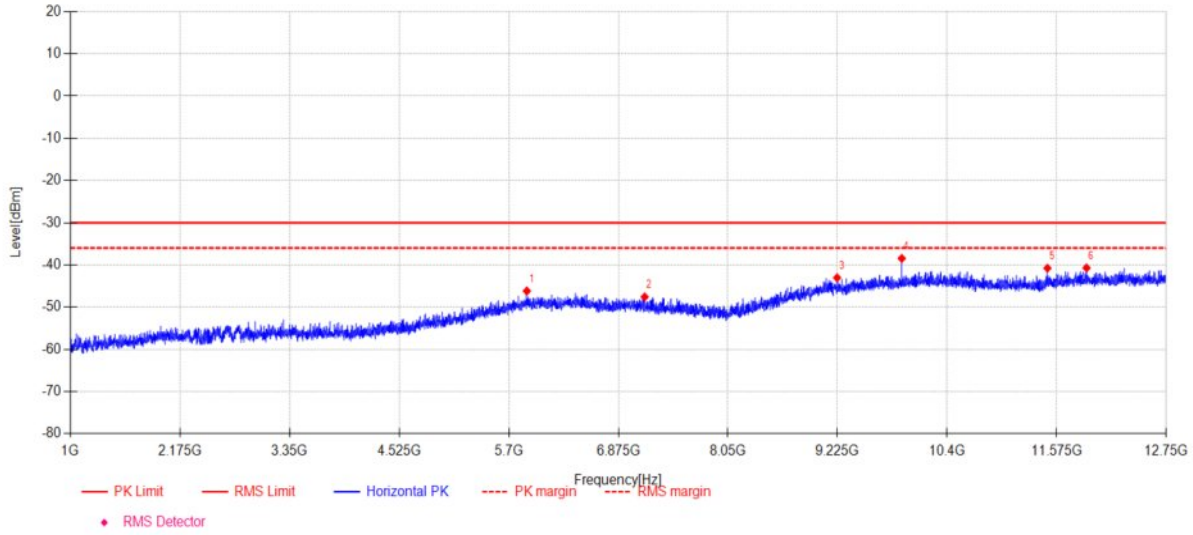

**Data List**

| NO. | Freq. [MHz] | Reading [dBµV/m] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Detector | Polarity | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 5895.050 | 47.72 | -94.38 | -46.66 | -30.00 | 16.66 | PK | Vertical | EIRP |
| 2 | 7206.350 | 49.63 | -94.95 | -45.32 | -30.00 | 15.32 | PK | Vertical | EIRP |
| 3 | 9602.175 | 47.27 | -88.44 | -41.17 | -30.00 | 11.17 | PK | Vertical | EIRP |
| 4 | 10421.150 | 46.91 | -87.28 | -40.37 | -30.00 | 10.37 | PK | Vertical | EIRP |
| 5 | 11799.425 | 46.08 | -86.90 | -40.82 | -30.00 | 10.82 | PK | Vertical | EIRP |
| 6 | 12573.750 | 46.56 | -87.48 | -40.92 | -30.00 | 10.92 | PK | Vertical | EIRP |

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss + Filter Factor - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

| | | | |
|---|---|---|---|
| **Test Date**: | 2024-06-15 | **Tested By**: | Genliu |
| **EUT**: | Studio Monitor | **Model Number**: | EDF100081 |
| **Test Mode**: | DH5 TX 2480MHz | **Power Supply**: | Battery |
| **Condition**: | Temp:20.4°C;Humi:60.3% | **Test Site**: | DDT 3# Chamber |
| **File Path**: | d:\ts\2024 report data\Q24041204-1E\CE ABOVE 1G\13 | | |
| **Memo**: | Sample Number:S24041204-005 Power Setting:10 | | |

**Test Graph**



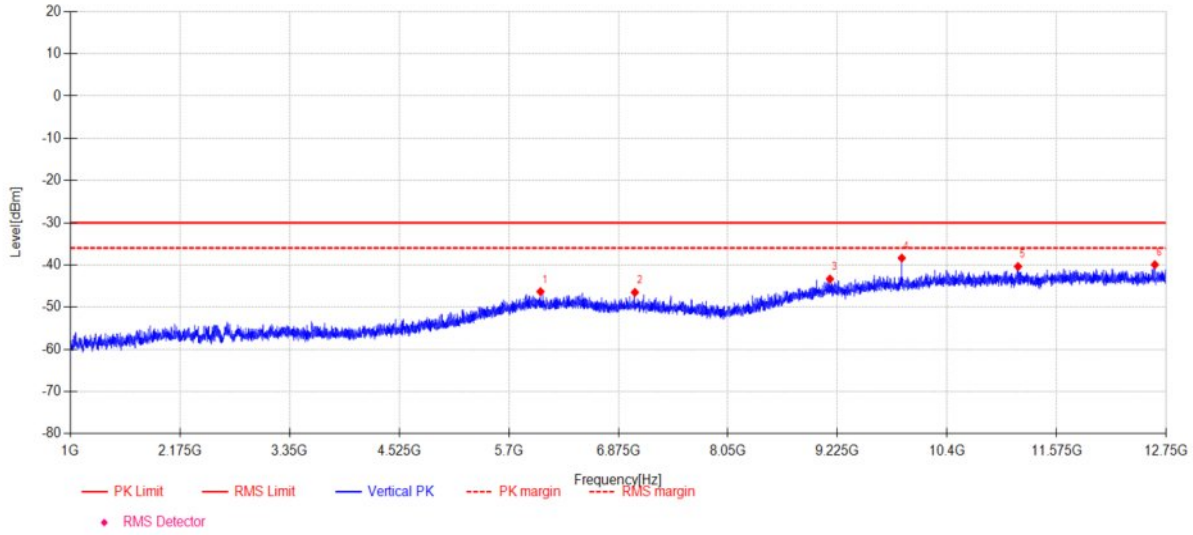

**Data List**

| NO. | Freq. [MHz] | Reading [dBµV/m] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Detector | Polarity | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 5893.875 | 48.18 | -94.36 | -46.18 | -30.00 | 16.18 | PK | Horizontal | EIRP |
| 2 | 7157.000 | 47.27 | -94.85 | -47.58 | -30.00 | 17.58 | PK | Horizontal | EIRP |
| 3 | 9220.300 | 45.82 | -88.86 | -43.04 | -30.00 | 13.04 | PK | Horizontal | EIRP |
| 4 | 9913.550 | 48.85 | -87.32 | -38.47 | -30.00 | 8.47 | PK | Horizontal | EIRP |
| 5 | 11475.125 | 47.06 | -87.82 | -40.76 | -30.00 | 10.76 | PK | Horizontal | EIRP |
| 6 | 11894.600 | 46.82 | -87.53 | -40.71 | -30.00 | 10.71 | PK | Horizontal | EIRP |

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss + Filter Factor - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

| | | | |
|---|---|---|---|
| **Test Date**: | 2024-06-15 | **Tested By**: | Genliu |
| **EUT**: | Studio Monitor | **Model Number**: | EDF100081 |
| **Test Mode**: | DH5 TX 2480MHz | **Power Supply**: | Battery |
| **Condition**: | Temp:20.4°C;Humi:60.3% | **Test Site**: | DDT 3# Chamber |
| **File Path**: | d:\ts\2024 report data\Q24041204-1E\CE ABOVE 1G\14 | | |
| **Memo**: | Sample Number:S24041204-005 Power Setting:10 | | |

**Test Graph**




**Data List**

| NO. | Freq. [MHz] | Reading [dBµV/m] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Detector | Polarity | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 6040.750 | 47.57 | -93.91 | -46.34 | -30.00 | 16.34 | PK | Vertical | EIRP |
| 2 | 7052.425 | 48.35 | -94.85 | -46.50 | -30.00 | 16.50 | PK | Vertical | EIRP |
| 3 | 9143.925 | 46.06 | -89.39 | -43.33 | -30.00 | 13.33 | PK | Vertical | EIRP |
| 4 | 9913.550 | 49.43 | -87.80 | -38.37 | -30.00 | 8.37 | PK | Vertical | EIRP |
| 5 | 11160.225 | 46.45 | -86.83 | -40.38 | -30.00 | 10.38 | PK | Vertical | EIRP |
| 6 | 12626.625 | 47.59 | -87.53 | -39.94 | -30.00 | 9.94 | PK | Vertical | EIRP |

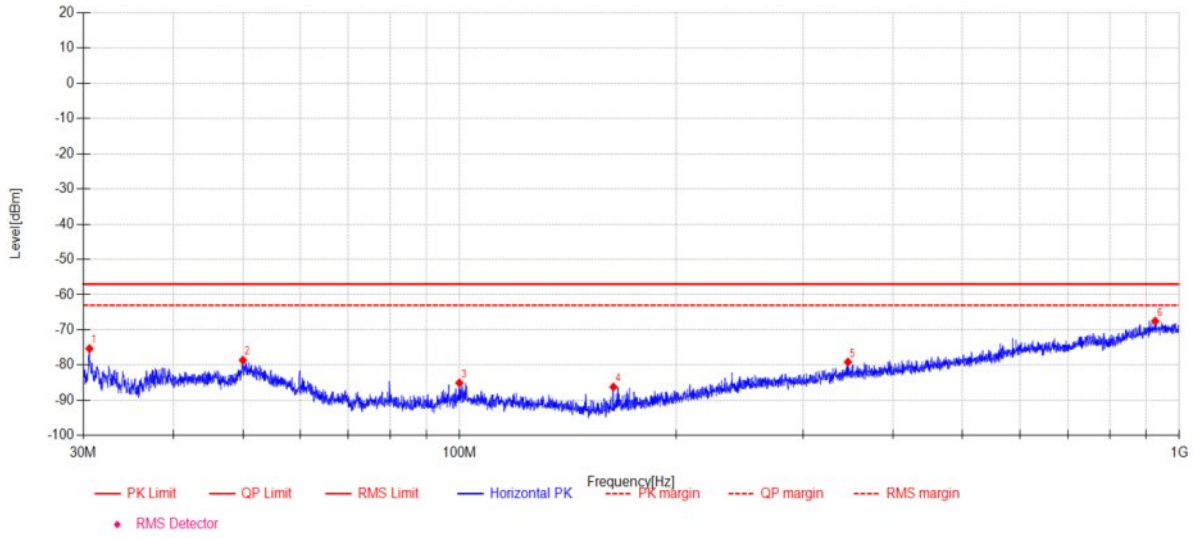
Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss + Filter Factor - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

# 10 Appendix A.10: Test Plots of Receiver Spurious Emission

Note: The EUT without antenna connector.

| | | | |
|---|---|---|---|
| **Test Date**: | 2024-05-20 | **Tested By**: | Genliu |
| **EUT**: | Studio Monitor | **Model Number**: | EDF100081 |
| **Test Mode**: | DH5 RX 2402MHz | **Power Supply**: | Battery |
| **Condition**: | Temp:22.4°C;Humi:63.3% | **Test Site**: | DDT 3# Chamber |
| **File Path**: | d:\ts\2024 report data\Q24041204-1E\CE BELOW 1G\1 | | |
| **Memo**: | Sample Number:S24041204-005 Power Setting:10 | | |

**Test Graph**

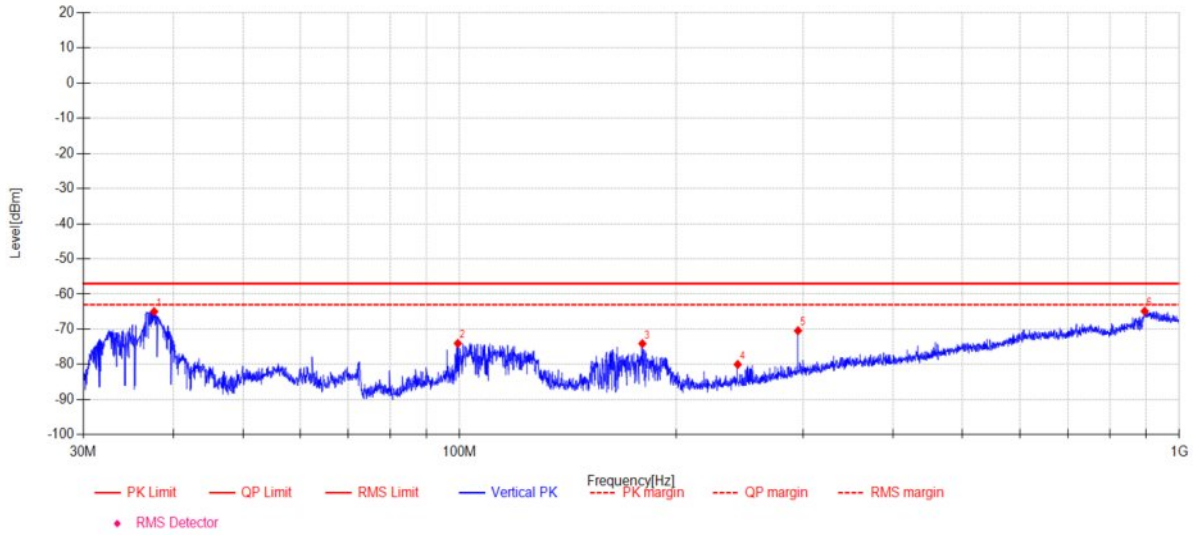



| Data List | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **NO.** | **Freq. [MHz]** | **Reading [dBµV/m]** | **Factor [dB]** | **Level [dBm]** | **Limit [dBm]** | **Margin [dB]** | **Detector** | **Polarity** | **Type** |
| 1 | 30.595 | 36.85 | -112.18 | -75.33 | -57.00 | 18.33 | PK | Horizontal | ERP |
| 2 | 49.981 | 30.17 | -108.77 | -78.60 | -57.00 | 21.60 | PK | Horizontal | ERP |
| 3 | 99.924 | 28.97 | -114.03 | -85.06 | -57.00 | 28.06 | PK | Horizontal | ERP |
| 4 | 163.585 | 29.89 | -116.10 | -86.21 | -57.00 | 29.21 | PK | Horizontal | ERP |
| 5 | 346.397 | 28.04 | -107.18 | -79.14 | -57.00 | 22.14 | PK | Horizontal | ERP |
| 6 | 925.771 | 27.78 | -95.29 | -67.51 | -57.00 | 10.51 | PK | Horizontal | ERP |

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

| | | | |
|---|---|---|---|
| **Test Date**: | 2024-05-20 | **Tested By**: | Genliu |
| **EUT**: | Studio Monitor | **Model Number**: | EDF100081 |
| **Test Mode**: | DH5 RX 2402MHz | **Power Supply**: | Battery |
| **Condition**: | Temp:22.4°C;Humi:63.3% | **Test Site**: | DDT 3# Chamber |
| **File Path**: | d:\ts\2024 report data\Q24041204-1E\CE BELOW 1G\2 | | |
| **Memo**: | Sample Number:S24041204-005 Power Setting:10 | | |

**Test Graph**



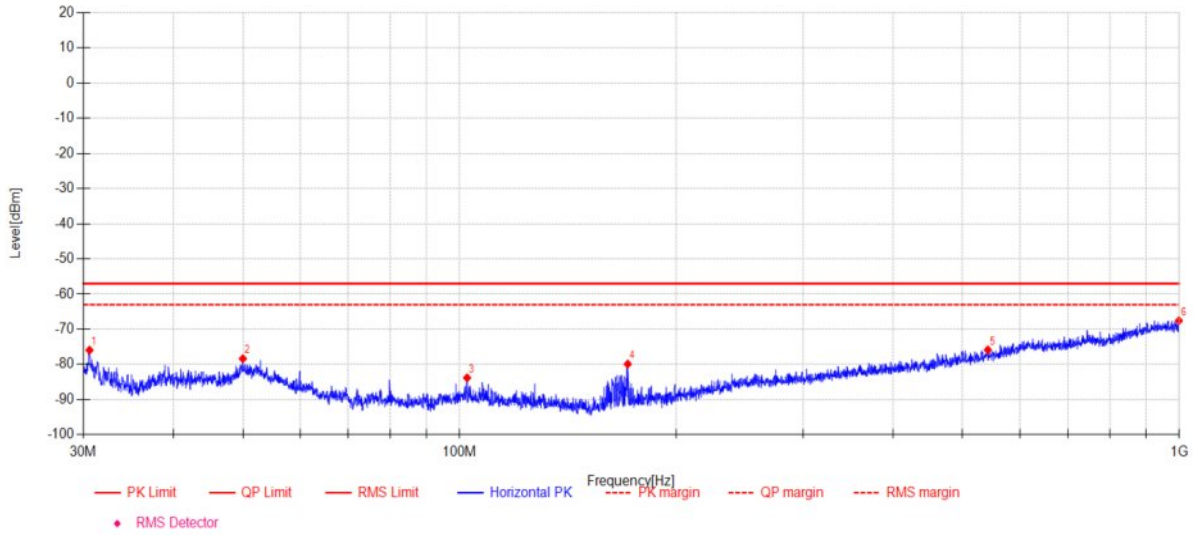

**Data List**

| NO. | Freq. [MHz] | Reading [dBµV/m] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Detector | Polarity | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 37.625 | 49.97 | -114.97 | -65.00 | -57.00 | 8.00 | PK | Vertical | ERP |
| 2 | 99.435 | 35.13 | -109.15 | -74.02 | -57.00 | 17.02 | PK | Vertical | ERP |
| 3 | 179.448 | 38.05 | -112.15 | -74.10 | -57.00 | 17.10 | PK | Vertical | ERP |
| 4 | 243.446 | 30.65 | -110.67 | -80.02 | -57.00 | 23.02 | PK | Vertical | ERP |
| 5 | 295.219 | 37.03 | -107.44 | -70.41 | -57.00 | 13.41 | PK | Vertical | ERP |
| 6 | 895.131 | 27.84 | -92.72 | -64.88 | -57.00 | 7.88 | PK | Vertical | ERP |

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

| | | | |
|---|---|---|---|
| **Test Date**: | 2024-05-20 | **Tested By**: | Genliu |
| **EUT**: | Studio Monitor | **Model Number**: | EDF100081 |
| **Test Mode**: | DH5 RX 2480MHz | **Power Supply**: | Battery |
| **Condition**: | Temp:22.4°C;Humi:63.3% | **Test Site**: | DDT 3# Chamber |
| **File Path**: | d:\ts\2024 report data\Q24041204-1E\CE BELOW 1G\3 | | |
| **Memo**: | Sample Number:S24041204-005 Power Setting:10 | | |

**Test Graph**



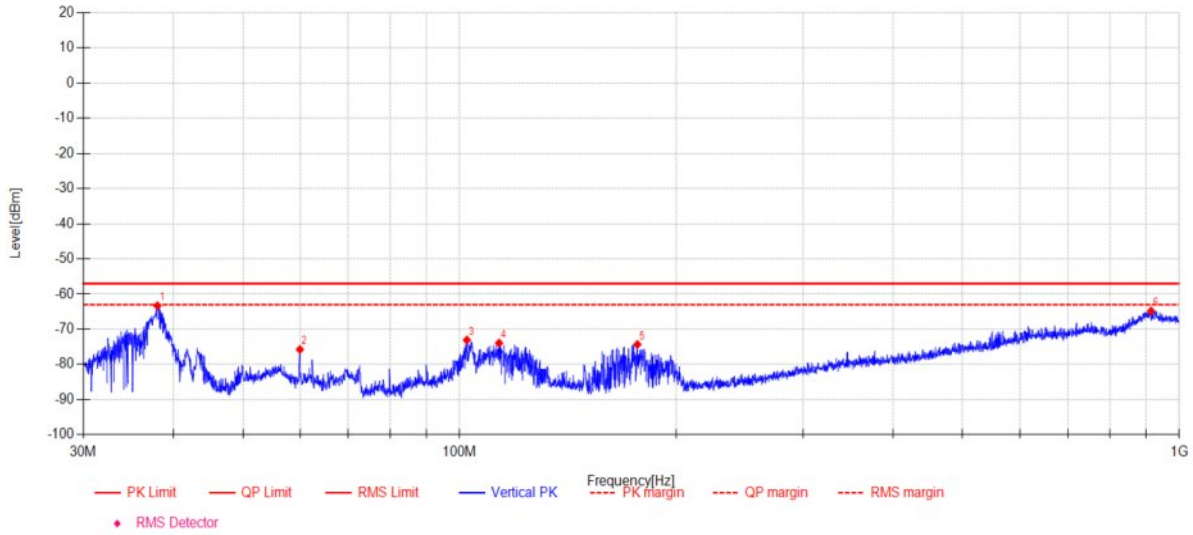

**Data List**

| NO. | Freq. [MHz] | Reading [dBµV/m] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Detector | Polarity | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 30.595 | 36.23 | -112.18 | -75.95 | -57.00 | 18.95 | PK | Horizontal | ERP |
| 2 | 49.981 | 30.41 | -108.77 | -78.36 | -57.00 | 21.36 | PK | Horizontal | ERP |
| 3 | 102.406 | 30.35 | -114.16 | -83.81 | -57.00 | 26.81 | PK | Horizontal | ERP |
| 4 | 171.213 | 35.70 | -115.59 | -79.89 | -57.00 | 22.89 | PK | Horizontal | ERP |
| 5 | 541.819 | 27.51 | -103.39 | -75.88 | -57.00 | 18.88 | PK | Horizontal | ERP |
| 6 | 998.599 | 27.57 | -95.13 | -67.56 | -57.00 | 10.56 | PK | Horizontal | ERP |

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

| | | | |
|---|---|---|---|
| **Test Date**: | 2024-05-20 | **Tested By**: | Genliu |
| **EUT**: | Studio Monitor | **Model Number**: | EDF100081 |
| **Test Mode**: | DH5 RX 2480MHz | **Power Supply**: | Battery |
| **Condition**: | Temp:22.4°C;Humi:63.3% | **Test Site**: | DDT 3# Chamber |
| **File Path**: | d:\ts\2024 report data\Q24041204-1E\CE BELOW 1G\4 | | |
| **Memo**: | Sample Number:S24041204-005 Power Setting:10 | | |

**Test Graph**



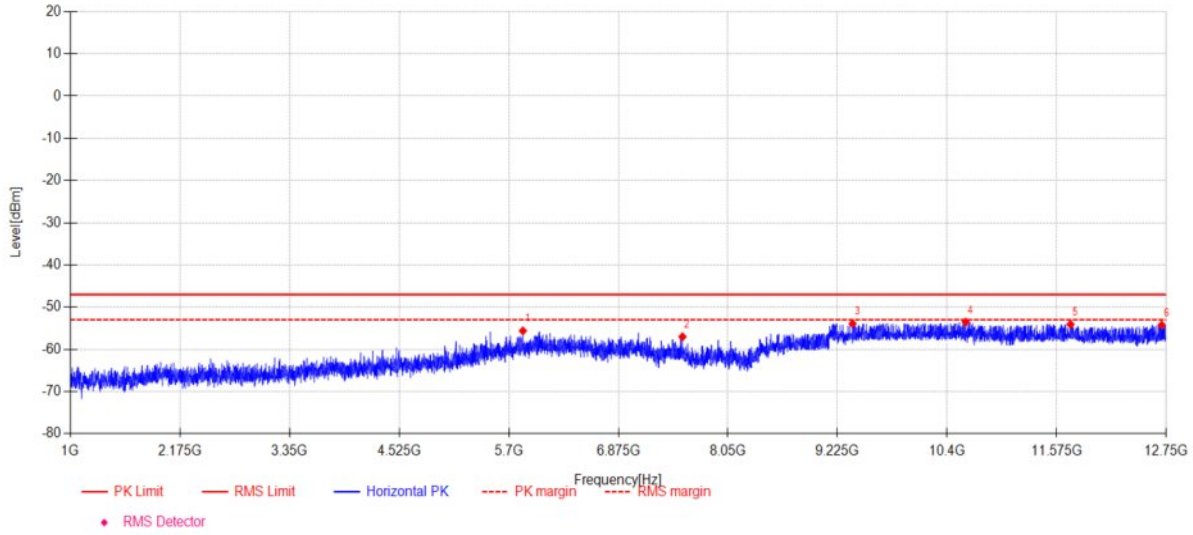

**Data List**

| NO. | Freq. [MHz] | Reading [dBµV/m] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Detector | Polarity | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 38.023 | 51.59 | -114.92 | -63.33 | -57.00 | 6.33 | PK | Vertical | ERP |
| 2 | 59.977 | 37.72 | -113.47 | -75.75 | -57.00 | 18.75 | PK | Vertical | ERP |
| 3 | 102.335 | 36.13 | -109.21 | -73.08 | -57.00 | 16.08 | PK | Vertical | ERP |
| 4 | 113.445 | 36.02 | -109.95 | -73.93 | -57.00 | 16.93 | PK | Vertical | ERP |
| 5 | 176.577 | 37.84 | -112.17 | -74.33 | -57.00 | 17.33 | PK | Vertical | ERP |
| 6 | 913.519 | 27.68 | -92.51 | -64.83 | -57.00 | 7.83 | PK | Vertical | ERP |

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

| | | | |
|---|---|---|---|
| **Test Date**: | 2024-06-15 | **Tested By**: | Genliu |
| **EUT**: | Studio Monitor | **Model Number**: | EDF100081 |
| **Test Mode**: | DH5 RX 2402MHz | **Power Supply**: | Battery |
| **Condition**: | Temp:20.4°C;Humi:60.3% | **Test Site**: | DDT 3# Chamber |
| **File Path**: | d:\ts\2024 report data\Q24041204-1E\CE ABOVE 1G\29 | | |
| **Memo**: | Sample Number:S24041204-005 Power Setting:NA | | |

**Test Graph**



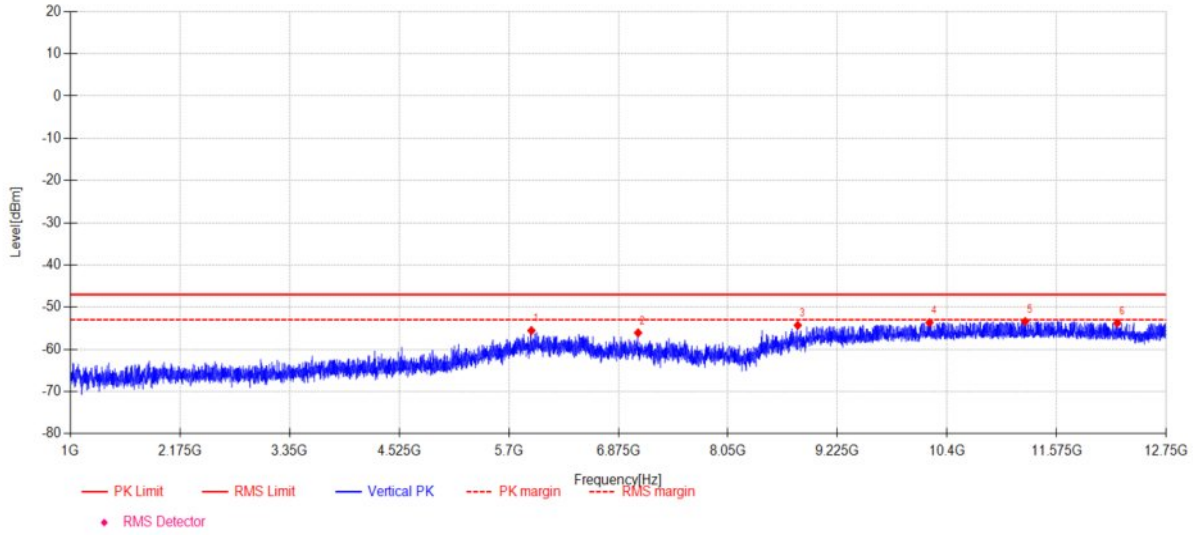

**Data List**

| NO. | Freq. [MHz] | Reading [dBµV/m] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Detector | Polarity | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 5851.575 | 39.28 | -94.90 | -55.62 | -47.00 | 8.62 | PK | Horizontal | EIRP |
| 2 | 7562.375 | 38.75 | -95.77 | -57.02 | -47.00 | 10.02 | PK | Horizontal | EIRP |
| 3 | 9385.975 | 34.98 | -88.89 | -53.91 | -47.00 | 6.91 | PK | Horizontal | EIRP |
| 4 | 10598.575 | 34.90 | -88.43 | -53.53 | -47.00 | 6.53 | PK | Horizontal | EIRP |
| 5 | 11723.050 | 34.34 | -88.42 | -54.08 | -47.00 | 7.08 | PK | Horizontal | EIRP |
| 6 | 12700.650 | 34.51 | -88.74 | -54.23 | -47.00 | 7.23 | PK | Horizontal | EIRP |

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss + Filter Factor - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

| | | | |
|---|---|---|---|
| **Test Date**: | 2024-06-15 | **Tested By**: | Genliu |
| **EUT**: | Studio Monitor | **Model Number**: | EDF100081 |
| **Test Mode**: | DH5 RX 2402MHz | **Power Supply**: | Battery |
| **Condition**: | Temp:20.4°C;Humi:60.3% | **Test Site**: | DDT 3# Chamber |
| **File Path**: | d:\ts\2024 report data\Q24041204-1E\CE ABOVE 1G\30 | | |
| **Memo**: | Sample Number:S24041204-005 Power Setting:NA | | |

**Test Graph**



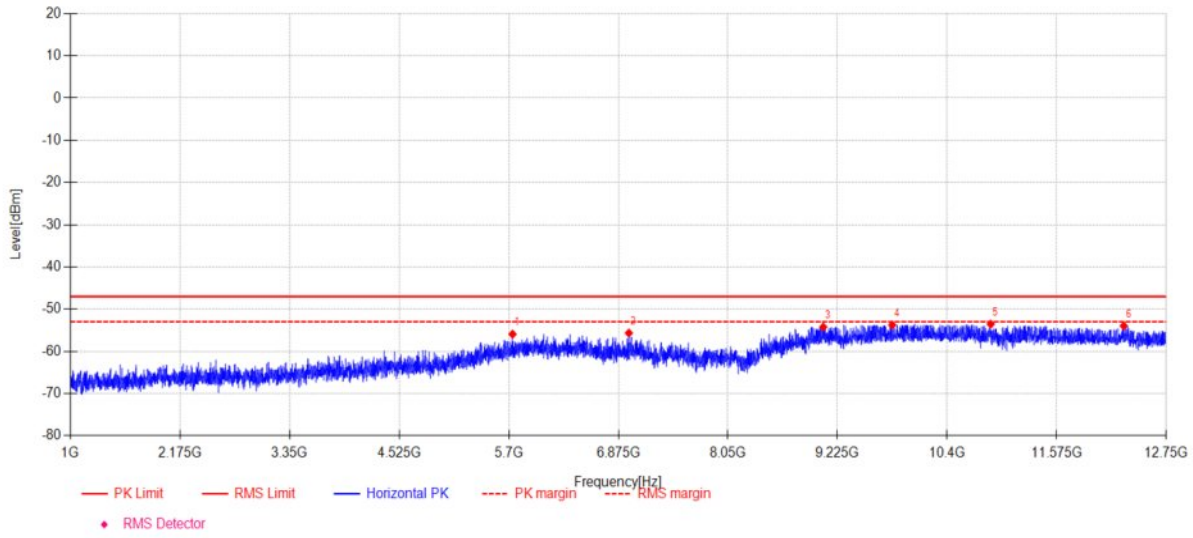

**Data List**

| NO. | Freq. [MHz] | Reading [dBµV/m] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Detector | Polarity | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 5943.225 | 38.94 | -94.50 | -55.56 | -47.00 | 8.56 | PK | Vertical | EIRP |
| 2 | 7086.500 | 39.30 | -95.38 | -56.08 | -47.00 | 9.08 | PK | Vertical | EIRP |
| 3 | 8798.475 | 36.85 | -91.16 | -54.31 | -47.00 | 7.31 | PK | Vertical | EIRP |
| 4 | 10210.825 | 34.38 | -88.06 | -53.68 | -47.00 | 6.68 | PK | Vertical | EIRP |
| 5 | 11236.600 | 34.18 | -87.59 | -53.41 | -47.00 | 6.41 | PK | Vertical | EIRP |
| 6 | 12224.775 | 34.18 | -87.93 | -53.75 | -47.00 | 6.75 | PK | Vertical | EIRP |

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss + Filter Factor - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

| | | | |
|---|---|---|---|
| **Test Date**: | 2024-06-15 | **Tested By**: | Genliu |
| **EUT**: | Studio Monitor | **Model Number**: | EDF100081 |
| **Test Mode**: | DH5 RX 2480MHz | **Power Supply**: | Battery |
| **Condition**: | Temp:20.4°C;Humi:60.3% | **Test Site**: | DDT 3# Chamber |
| **File Path**: | d:\ts\2024 report data\Q24041204-1E\CE ABOVE 1G\27 | | |
| **Memo**: | Sample Number:S24041204-005 Power Setting:NA | | |

**Test Graph**



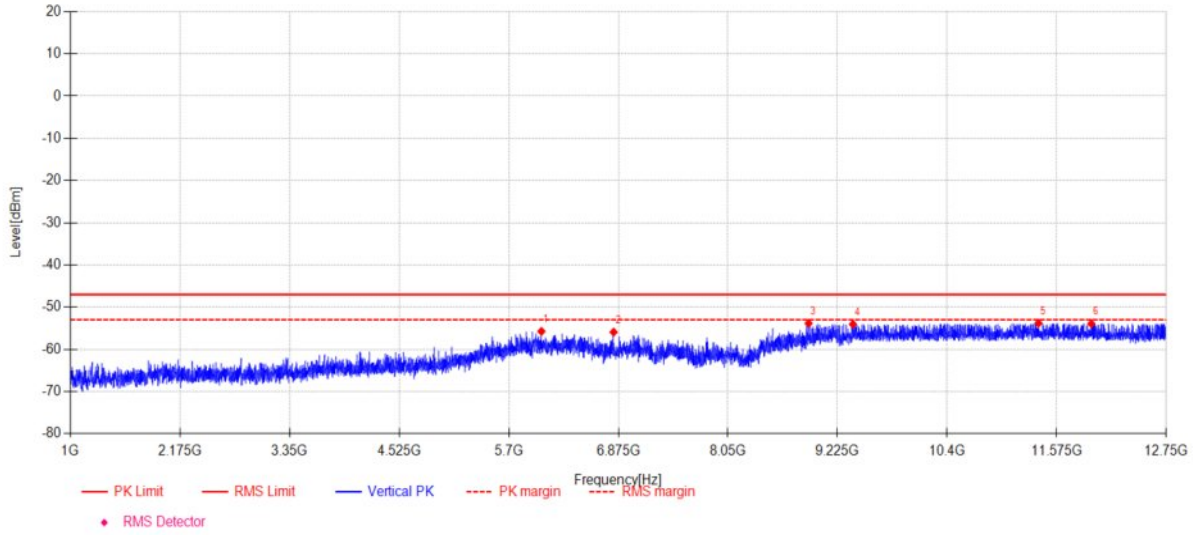

**Data List**

| NO. | Freq. [MHz] | Reading [dBµV/m] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Detector | Polarity | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 5741.125 | 39.46 | -95.39 | -55.93 | -47.00 | 8.93 | PK | Horizontal | EIRP |
| 2 | 6987.800 | 39.52 | -95.18 | -55.66 | -47.00 | 8.66 | PK | Horizontal | EIRP |
| 3 | 9072.250 | 35.29 | -89.51 | -54.22 | -47.00 | 7.22 | PK | Horizontal | EIRP |
| 4 | 9811.325 | 34.30 | -88.06 | -53.76 | -47.00 | 6.76 | PK | Horizontal | EIRP |
| 5 | 10867.650 | 35.20 | -88.75 | -53.55 | -47.00 | 6.55 | PK | Horizontal | EIRP |
| 6 | 12292.925 | 34.48 | -88.44 | -53.96 | -47.00 | 6.96 | PK | Horizontal | EIRP |

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss + Filter Factor - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

| | | | |
|---|---|---|---|
| **Test Date**: | 2024-06-15 | **Tested By**: | Genliu |
| **EUT**: | Studio Monitor | **Model Number**: | EDF100081 |
| **Test Mode**: | DH5 RX 2480MHz | **Power Supply**: | Battery |
| **Condition**: | Temp:20.4°C;Humi:60.3% | **Test Site**: | DDT 3# Chamber |
| **File Path**: | d:\ts\2024 report data\Q24041204-1E\CE ABOVE 1G\28 | | |
| **Memo**: | Sample Number:S24041204-005 Power Setting:NA | | |

**Test Graph**




**Data List**

| NO. | Freq. [MHz] | Reading [dBµV/m] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Detector | Polarity | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 6050.150 | 38.53 | -94.27 | -55.74 | -47.00 | 8.74 | PK | Vertical | EIRP |
| 2 | 6824.475 | 39.22 | -95.14 | -55.92 | -47.00 | 8.92 | PK | Vertical | EIRP |
| 3 | 8914.800 | 36.65 | -90.49 | -53.84 | -47.00 | 6.84 | PK | Vertical | EIRP |
| 4 | 9389.500 | 35.26 | -89.29 | -54.03 | -47.00 | 7.03 | PK | Vertical | EIRP |
| 5 | 11378.775 | 33.80 | -87.61 | -53.81 | -47.00 | 6.81 | PK | Vertical | EIRP |
| 6 | 11946.300 | 33.74 | -87.67 | -53.93 | -47.00 | 6.93 | PK | Vertical | EIRP |

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss + Filter Factor - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

# Appendix B

# Test Results of Bluetooth Low Energy

## Content

CONTENT ..... 1
1 APPENDIX B.1 : RF OUTPUT POWER ..... 2
2 APPENDIX B.2: POWER DENSITY ..... 3
3 APPENDIX B.3 : OCCUPIED CHANNEL BANDWIDTH ..... 6
4 APPENDIX B.4: RECEIVER BLOCKING ..... 9
5 APPENDIX B.5 : TX UNWANTED EMISSIONS IN THE OUT-OF-BAND DOMAIN ..... 11
6 APPENDIX B.6 : TRANSMITTER UNWANTED EMISSIONS ..... 15
7 APPENDIX B.7 : RECEIVER SPURIOUS EMISSIONS ..... 31

# 1 Appendix B.1 : RF output power

The RF output power is the mean equivalent isotropically radiated power (EIRP) during a transmission burst. Only the worst case for all test modes reported.

| Test Condition | Test Mode | Antenna | Frequency [MHz] | Burst Power [dBm] | EIRP [dBm] | EIRP Limit [dBm] | Verdict |
|---|---|---|---|---|---|---|---|
| NTNV | BLE_1M | Ant1 | 2402 | 6.21 | 8.80 | 20 | PASS |
| | | | 2440 | 6.93 | 9.52 | 20 | PASS |
| | | | 2480 | 6.16 | 8.75 | 20 | PASS |
| | BLE_2M | Ant1 | 2404 | 6.33 | 8.92 | 20 | PASS |
| | | | 2440 | 6.98 | 9.57 | 20 | PASS |
| | | | 2478 | 6.43 | 9.02 | 20 | PASS |
| LTNV | BLE_1M | Ant1 | 2402 | 6.21 | 8.80 | 20 | PASS |
| | | | 2440 | 6.94 | 9.53 | 20 | PASS |
| | | | 2480 | 6.16 | 8.75 | 20 | PASS |
| | BLE_2M | Ant1 | 2404 | 6.32 | 8.91 | 20 | PASS |
| | | | 2440 | 6.98 | 9.57 | 20 | PASS |
| | | | 2478 | 6.43 | 9.02 | 20 | PASS |
| HTNV | BLE_1M | Ant1 | 2402 | 6.23 | 8.82 | 20 | PASS |
| | | | 2440 | 6.93 | 9.52 | 20 | PASS |
| | | | 2480 | 6.16 | 8.75 | 20 | PASS |
| | BLE_2M | Ant1 | 2404 | 6.33 | 8.92 | 20 | PASS |
| | | | 2440 | 6.98 | 9.57 | 20 | PASS |
| | | | 2478 | 6.43 | 9.02 | 20 | PASS |

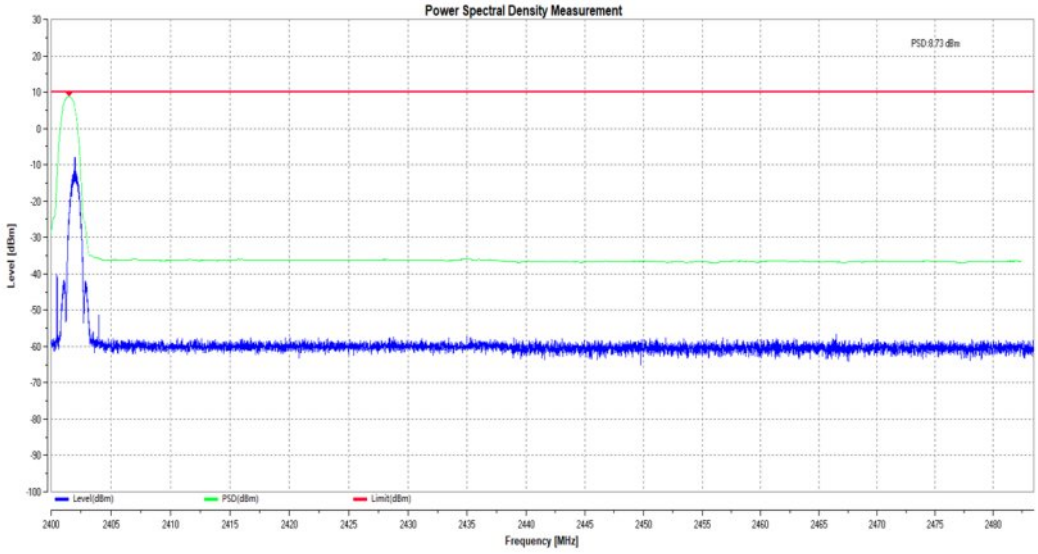
Note: EIRP = Measured Highest Pburst Values + Antenna Gain

## 2 Appendix B.2: Power density

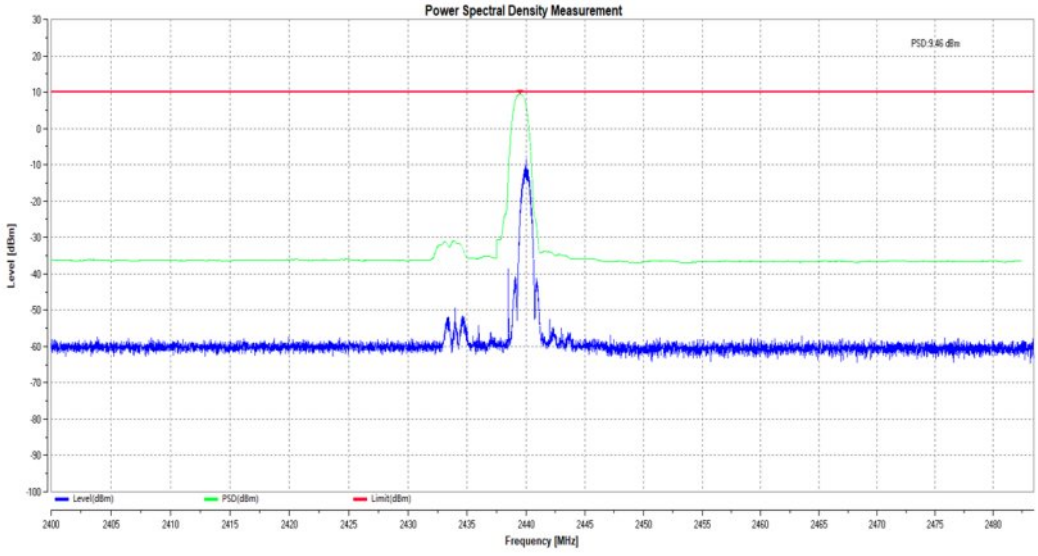
The power density is the mean Equivalent Isotropically Radiated Power (EIRP) density during a transmission burst. Only the worst case for all test modes reported.

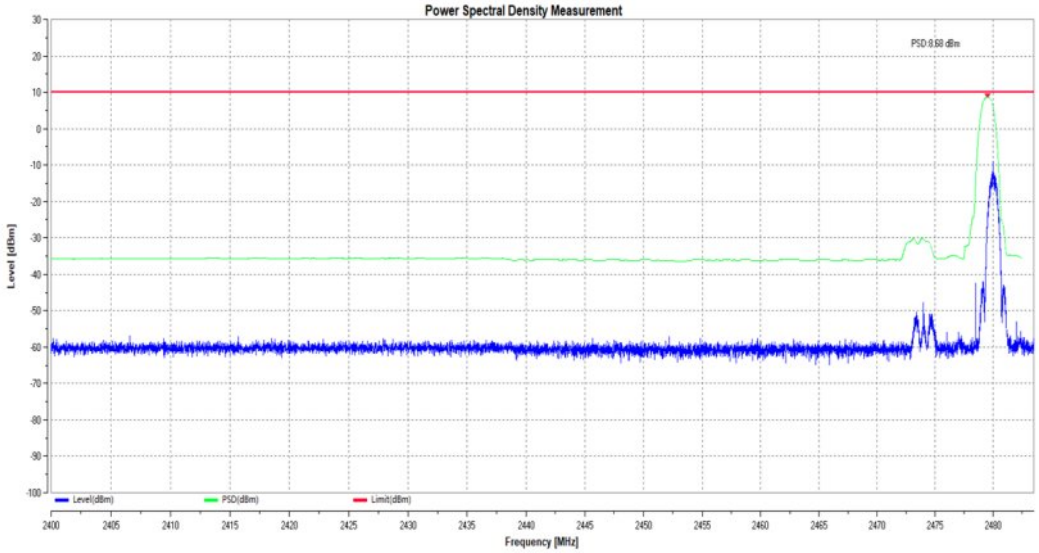
| Test Mode | Antenna | Frequency [MHz] | EIRP PSD [dBm/MHz] | Limit [dBm/MHz] | Verdict |
|---|---|---|---|---|---|
| BLE_1M | Ant1 | 2402 | 8.73 | 10 | PASS |
| | | 2440 | 9.46 | 10 | PASS |
| | | 2480 | 8.68 | 10 | PASS |
| BLE_2M | Ant1 | 2404 | 7.93 | 10 | PASS |
| | | 2440 | 8.52 | 10 | PASS |
| | | 2478 | 7.94 | 10 | PASS |

BLE_1M_Ant1_2402

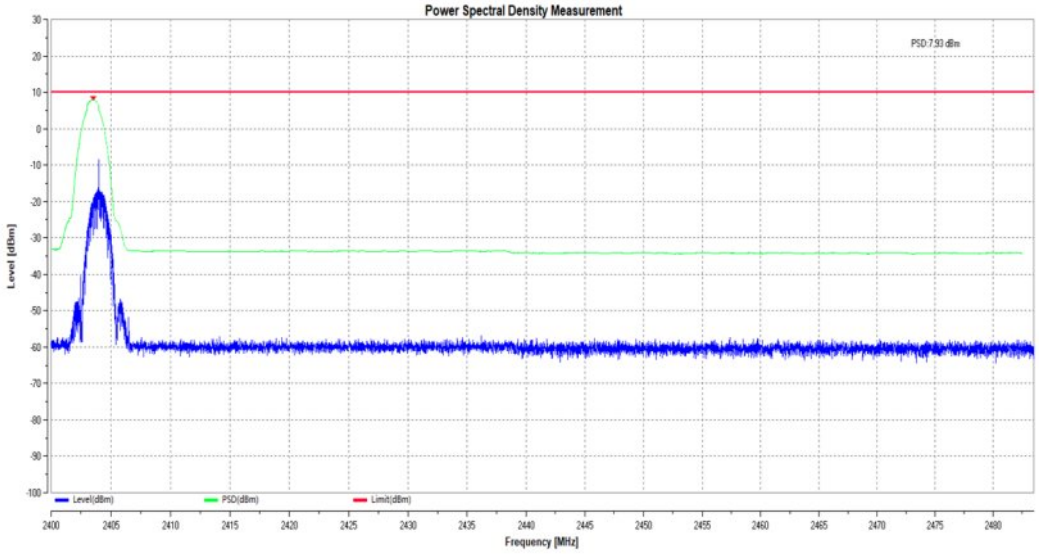



BLE_1M_Ant1_2440

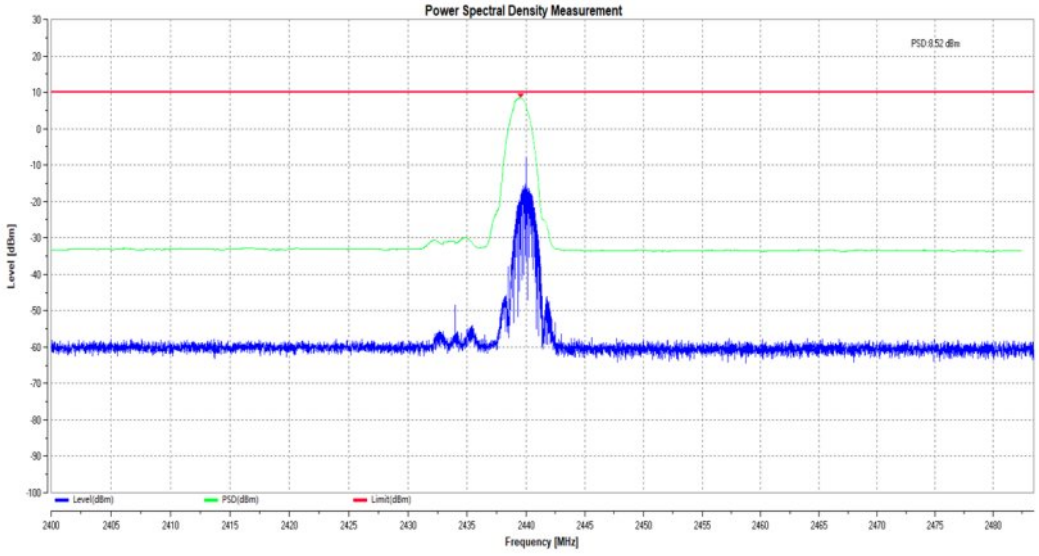


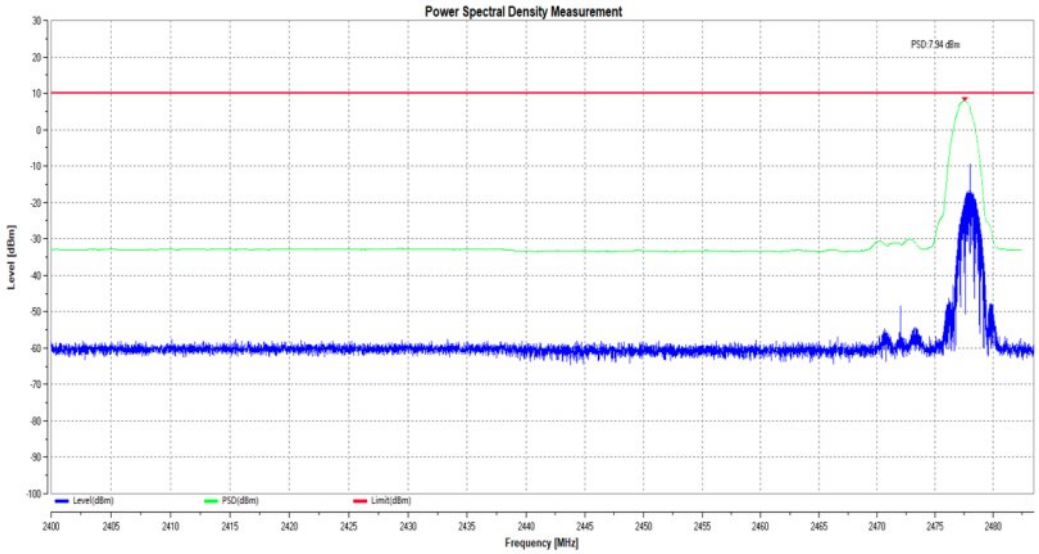
| BLE_1M_Ant1_2480 |
|---|
|  |



| BLE_2M_Ant1_2404 |
|---|
|  |



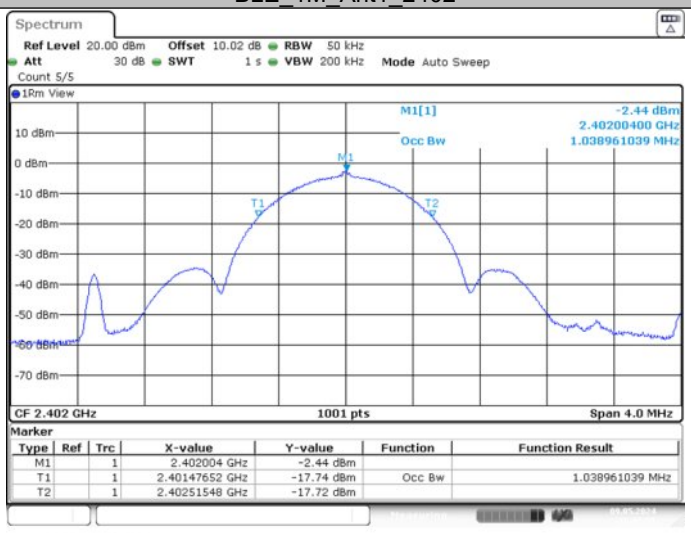
| BLE_2M_Ant1_2440 |
|---|
|  |

| BLE_2M_Ant1_2478 |
| --- |
|  |

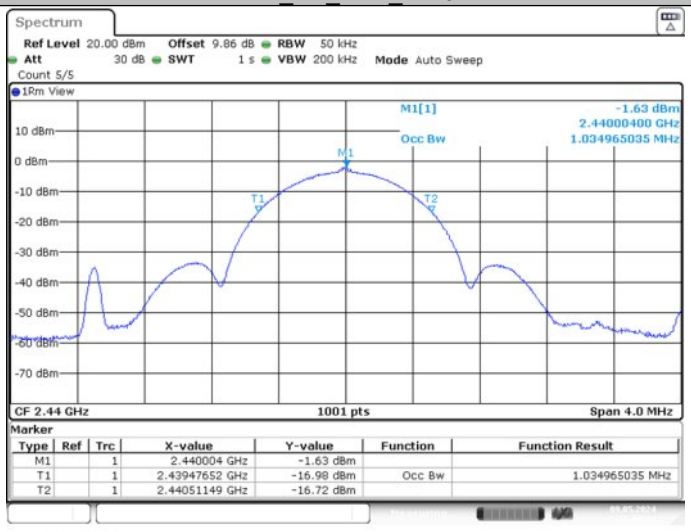
# 3 Appendix B.3 : Occupied Channel Bandwidth

| Test Mode | Antenna | Frequency [MHz] | OCB [MHz] | FL [MHz] | FH [MHz] | Limit [MHz] | Verdict |
|---|---|---|---|---|---|---|---|
| BLE_1M | Ant1 | 2402 | 1.039 | 2401.4765 | 2402.5155 | 2400 to 2483.5 | PASS |
| | | 2440 | 1.035 | 2439.4765 | 2440.5115 | 2400 to 2483.5 | PASS |
| | | 2480 | 1.039 | 2479.4725 | 2480.5115 | 2400 to 2483.5 | PASS |
| BLE_2M | Ant1 | 2404 | 2.042 | 2402.9770 | 2405.0190 | 2400 to 2483.5 | PASS |
| | | 2440 | 2.042 | 2438.9690 | 2441.0110 | 2400 to 2483.5 | PASS |
| | | 2478 | 2.042 | 2476.9690 | 2479.0110 | 2400 to 2483.5 | PASS |

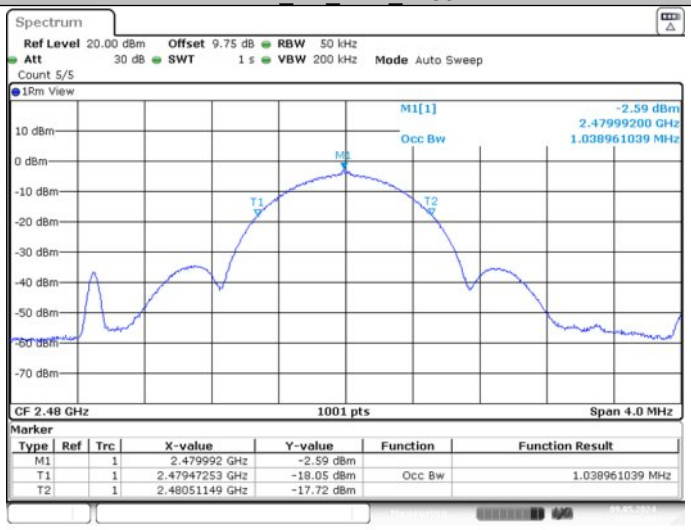
BLE_1M_Ant1_2402




BLE_1M_Ant1_2440

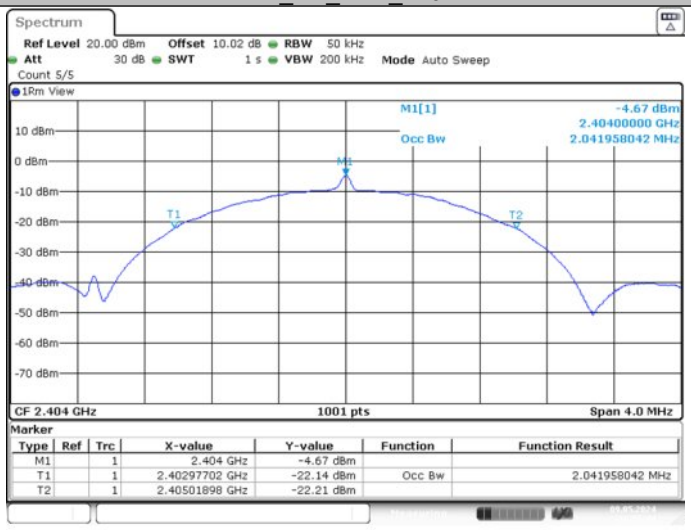


BLE_1M_Ant1_2480



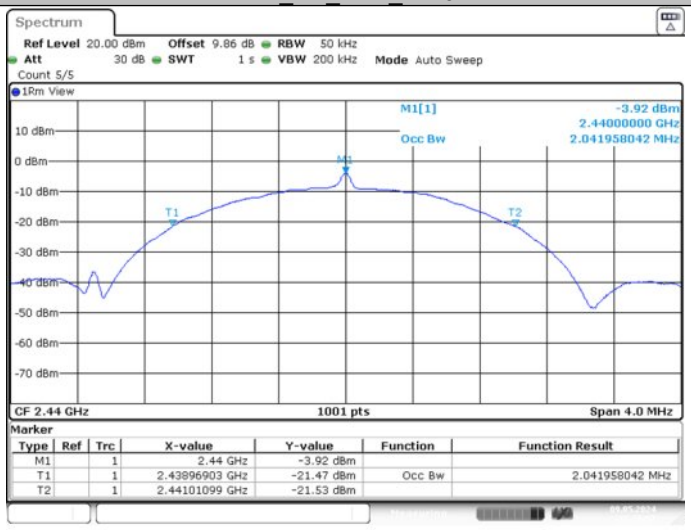

Date: 9.MAY.2024 16:52:04

BLE_2M_Ant1_2404



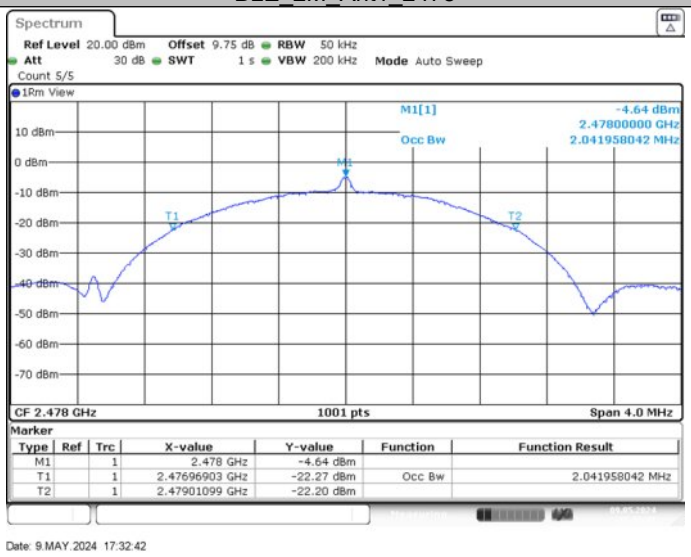

Date: 9.MAY.2024 16:55:44

BLE_2M_Ant1_2440




Date: 9.MAY.2024 17:29:58

BLE_2M_Ant1_2478

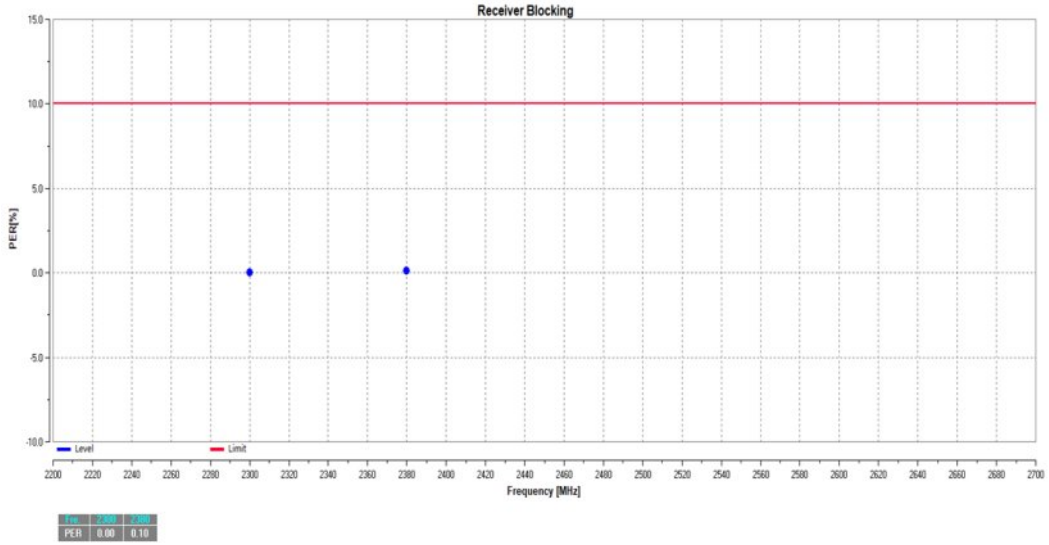


# 4 Appendix B.4: Receiver Blocking

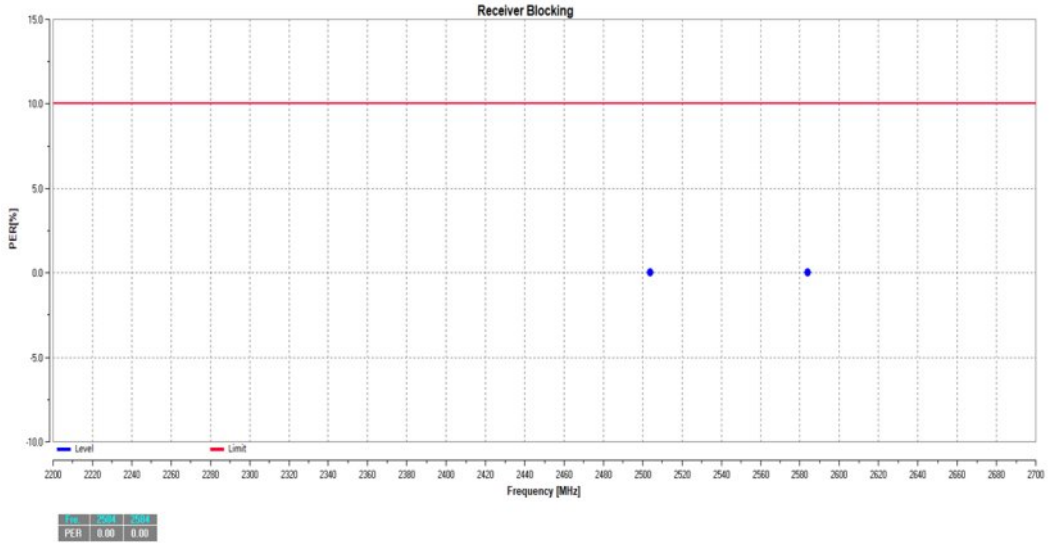
Note: The EUT is category 2 receiver.

| Test Mode | Antenna | Frequency [MHz] | Pmin [dBm] | Wanted signal [dBm] | Freq. [MHz] | CW [dBm] | PER [%] | Limit [%] | Verdict |
|---|---|---|---|---|---|---|---|---|---|
| BLE_1M | Ant1 | 2402 | --- | -66.24 | 2300 | -31.41 | 0.00 | ≤10 | PASS |
| | | | --- | -66.24 | 2380 | -31.41 | 0.10 | ≤10 | PASS |
| | | 2480 | --- | -66.24 | 2504 | -31.41 | 0.00 | ≤10 | PASS |
| | | | --- | -66.24 | 2584 | -31.41 | 0.00 | ≤10 | PASS |
| BLE_2M | Ant1 | 2404 | --- | -63.31 | 2300 | -31.41 | 0.30 | ≤10 | PASS |
| | | | --- | -63.31 | 2380 | -31.41 | 0.10 | ≤10 | PASS |
| | | 2478 | --- | -63.31 | 2504 | -31.41 | 0.00 | ≤10 | PASS |
| | | | --- | -63.31 | 2584 | -31.41 | 0.10 | ≤10 | PASS |

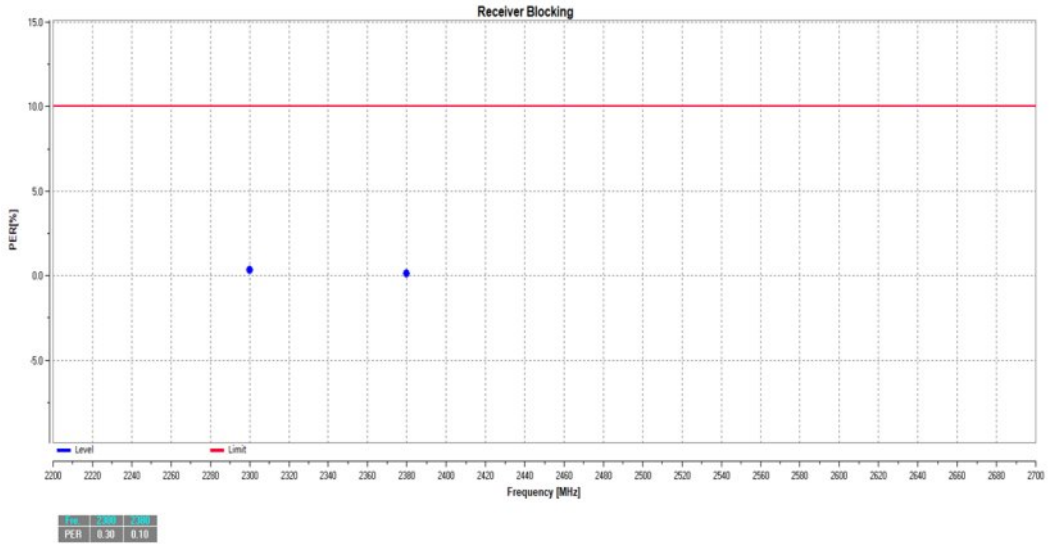
BLE_1M_Ant1_2402



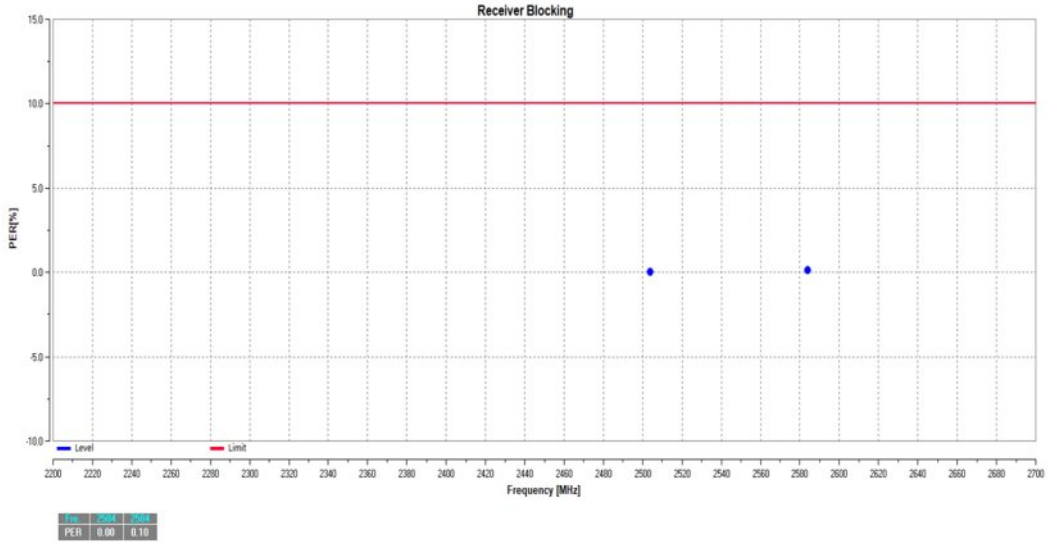

BLE_1M_Ant1_2480



BLE_2M_Ant1_2404



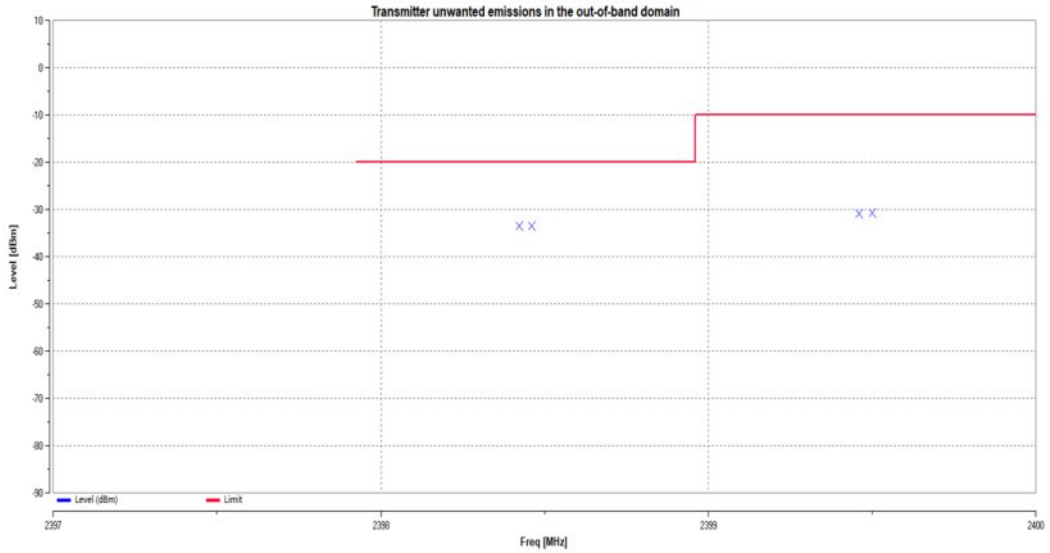

BLE_2M_Ant1_2478



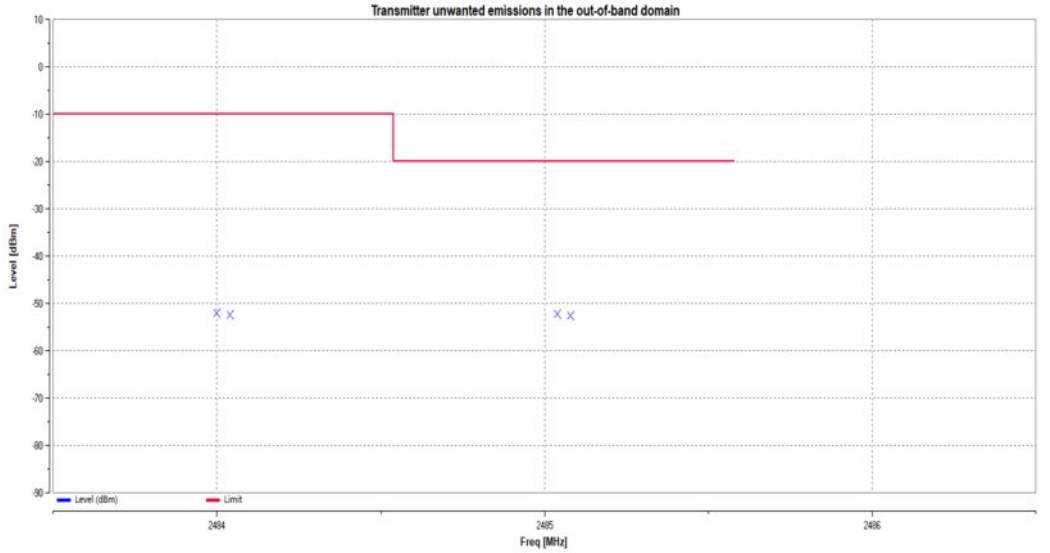
# 5 Appendix B.5 : Tx unwanted emissions in the out-of-band domain

| Test Mode | Antenna | Frequency [MHz] | Freq. [MHz] | Level [dBm] | Limit [dBm] | Verdict |
|---|---|---|---|---|---|---|
| BLE_1M | Ant1 | 2402 | 2398.422 | -33.46 | -20.00 | PASS |
| | | | 2398.461 | -33.44 | -20.00 | PASS |
| | | | 2399.461 | -30.84 | -10.00 | PASS |
| | | | 2399.500 | -30.77 | -10.00 | PASS |
| | | | 2484.000 | -51.96 | -10.00 | PASS |
| | | | 2484.039 | -52.43 | -10.00 | PASS |
| | | | 2485.039 | -52.15 | -20.00 | PASS |
| | | | 2485.078 | -52.52 | -20.00 | PASS |
| | | 2480 | 2398.422 | -51.68 | -20.00 | PASS |
| | | | 2398.461 | -52.05 | -20.00 | PASS |
| | | | 2399.461 | -52.49 | -10.00 | PASS |
| | | | 2399.500 | -52.06 | -10.00 | PASS |
| | | | 2484.000 | -41.12 | -10.00 | PASS |
| | | | 2484.039 | -40.79 | -10.00 | PASS |
| | | | 2485.039 | -42.44 | -20.00 | PASS |
| | | | 2485.078 | -42.59 | -20.00 | PASS |
| BLE_2M | Ant1 | 2404 | 2396.416 | -30.95 | -20.00 | PASS |
| | | | 2396.458 | -30.90 | -20.00 | PASS |
| | | | 2397.458 | -32.99 | -20.00 | PASS |
| | | | 2398.458 | -30.79 | -10.00 | PASS |
| | | | 2398.500 | -30.73 | -10.00 | PASS |
| | | | 2399.500 | -30.43 | -10.00 | PASS |
| | | | 2484.000 | -52.62 | -10.00 | PASS |
| | | | 2485.000 | -52.62 | -10.00 | PASS |
| | | | 2485.042 | -52.27 | -10.00 | PASS |
| | | | 2486.042 | -52.33 | -20.00 | PASS |
| | | | 2487.042 | -52.39 | -20.00 | PASS |
| | | | 2487.084 | -52.55 | -20.00 | PASS |
| | | 2478 | 2396.416 | -52.57 | -20.00 | PASS |
| | | | 2396.458 | -52.31 | -20.00 | PASS |
| | | | 2397.458 | -52.49 | -20.00 | PASS |
| | | | 2398.458 | -52.06 | -10.00 | PASS |
| | | | 2398.500 | -52.53 | -10.00 | PASS |
| | | | 2399.500 | -51.68 | -10.00 | PASS |
| | | | 2484.000 | -43.64 | -10.00 | PASS |
| | | | 2485.000 | -46.89 | -10.00 | PASS |
| | | | 2485.042 | -46.87 | -10.00 | PASS |
| | | | 2486.042 | -45.60 | -20.00 | PASS |
| | | | 2487.042 | -48.16 | -20.00 | PASS |
| | | | 2487.084 | -47.92 | -20.00 | PASS |

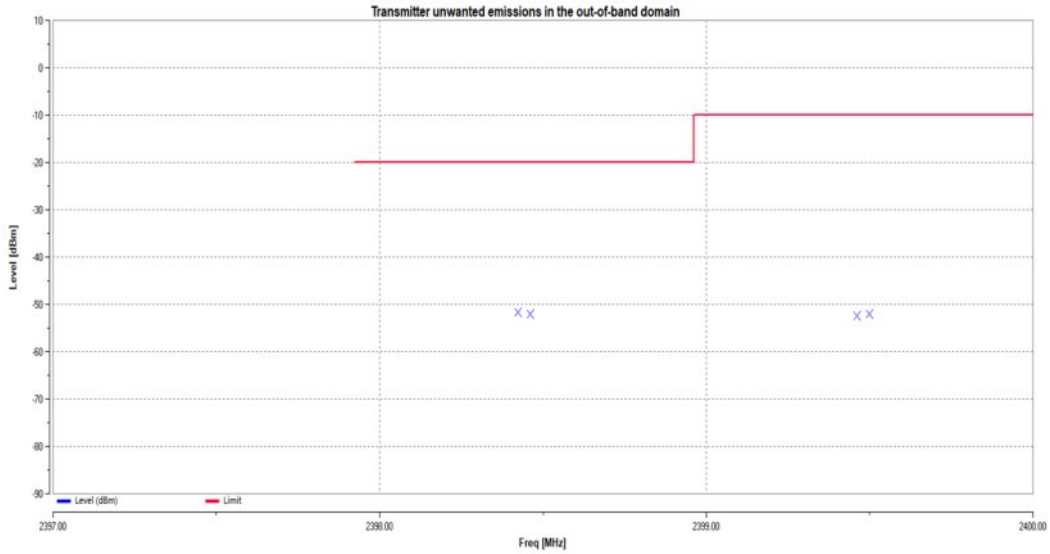
BLE_1M_Ant1_2402_2400MHz-2BW to 2400MHz



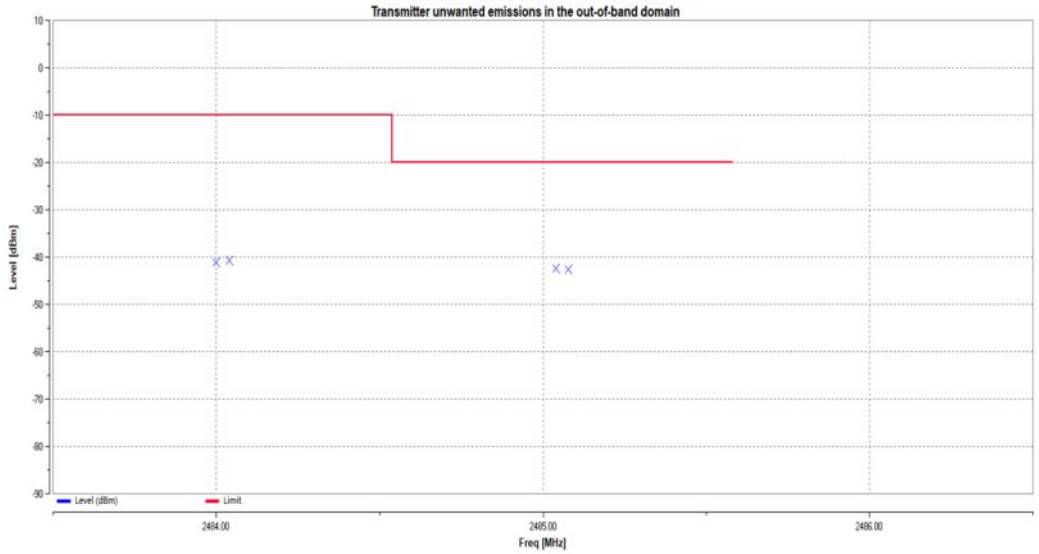

BLE_1M_Ant1_2402_2483.5MHz to 2483.5MHz+2BW



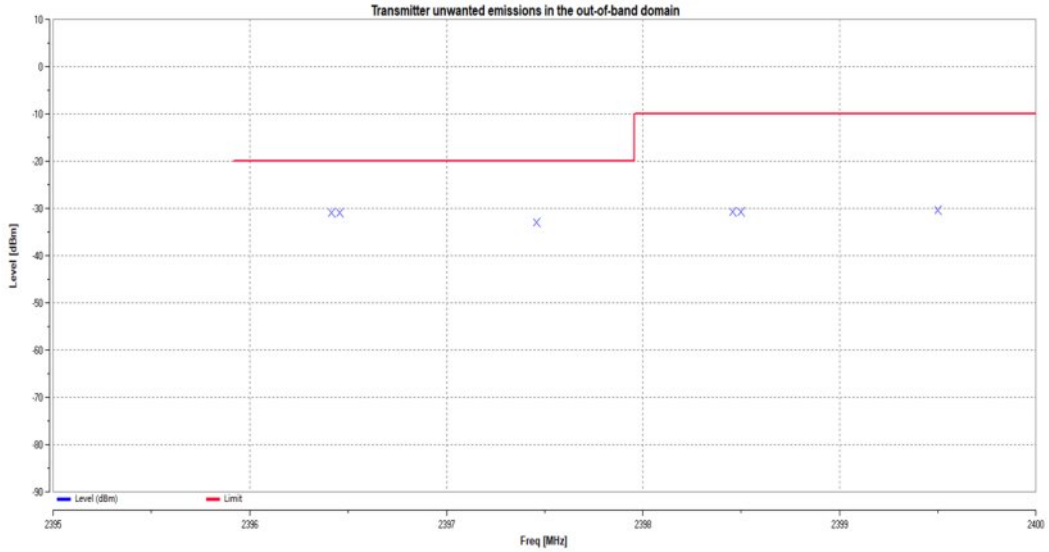

BLE_1M_Ant1_2480_2400MHz-2BW to 2400MHz



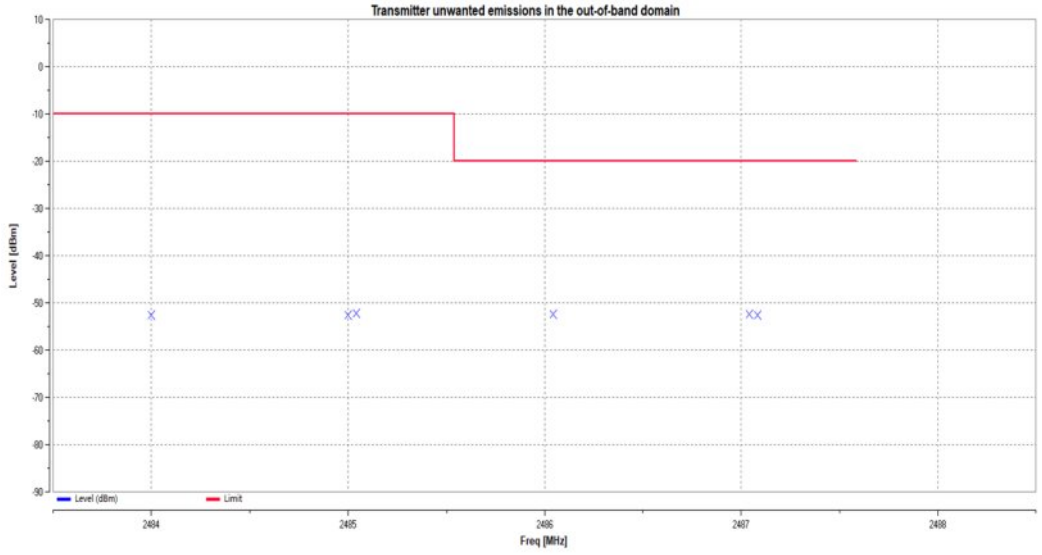
BLE_1M_Ant1_2480_2483.5MHz to 2483.5MHz+2BW



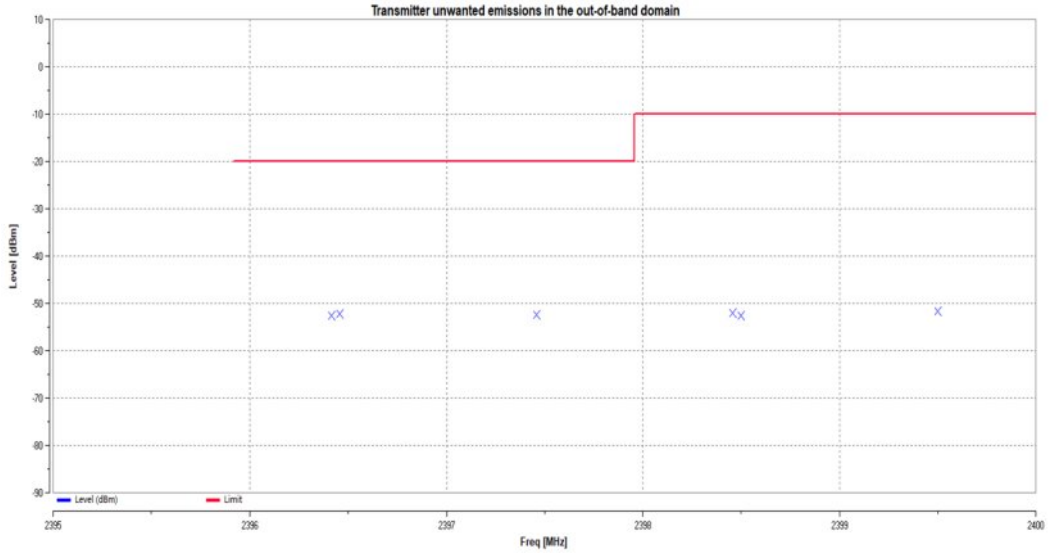

BLE_2M_Ant1_2404_2400MHz-2BW to 2400MHz



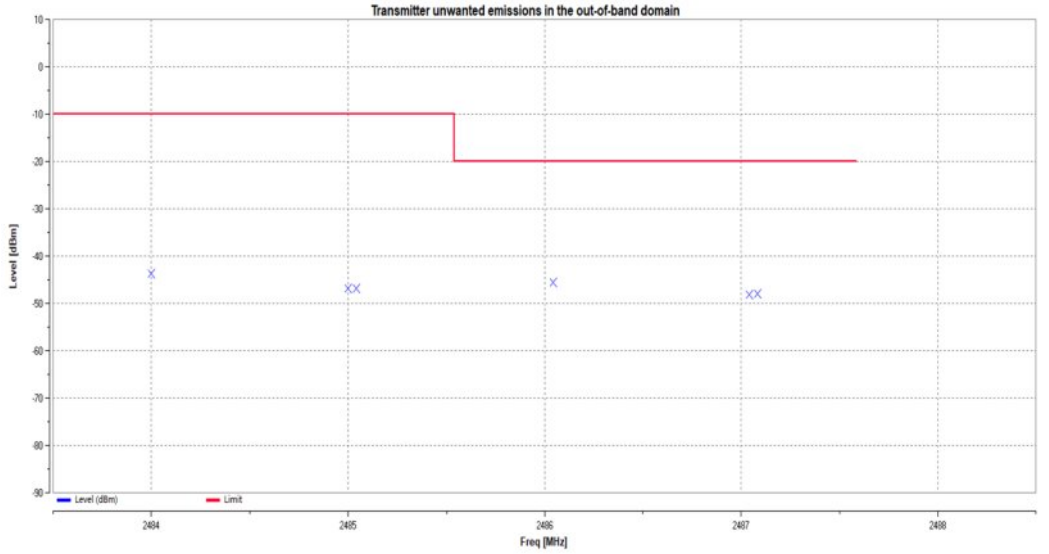

BLE_2M_Ant1_2404_2483.5MHz to 2483.5MHz+2BW



BLE_2M_Ant1_2478_2400MHz-2BW to 2400MHz




BLE_2M_Ant1_2478_2483.5MHz to 2483.5MHz+2BW

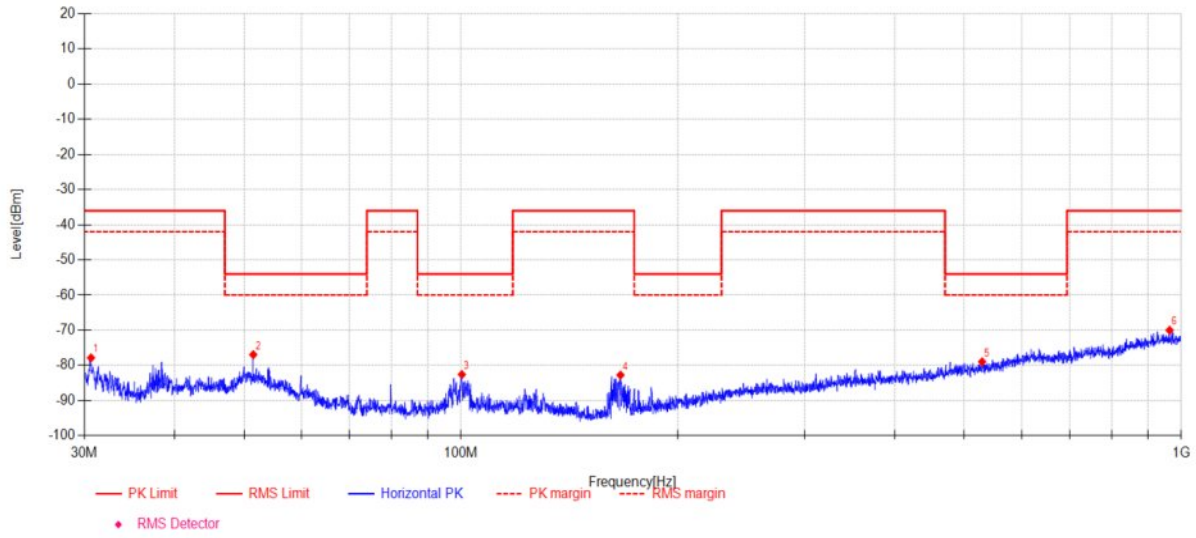


# 6 Appendix B.6 : Transmitter unwanted emissions

Note: The EUT without antenna connectors.

| | | | |
|---|---|---|---|
| **Test Date**: | 2024-05-20 | **Tested By**: | Genliu |
| **EUT**: | Studio Monitor | **Model Number**: | EDF100081 |
| **Test Mode**: | BLE1M TX 2402MHz | **Power Supply**: | Battery |
| **Condition**: | Temp:22.4°C;Humi:63.3% | **Test Site**: | DDT 3# Chamber |
| **File Path**: | d:\ts\2024 report data\Q24041204-1E\CE BELOW 1G\17 | | |
| **Memo**: | Sample Number:S24041204-005 Power Setting:10 | | |

**Test Graph**



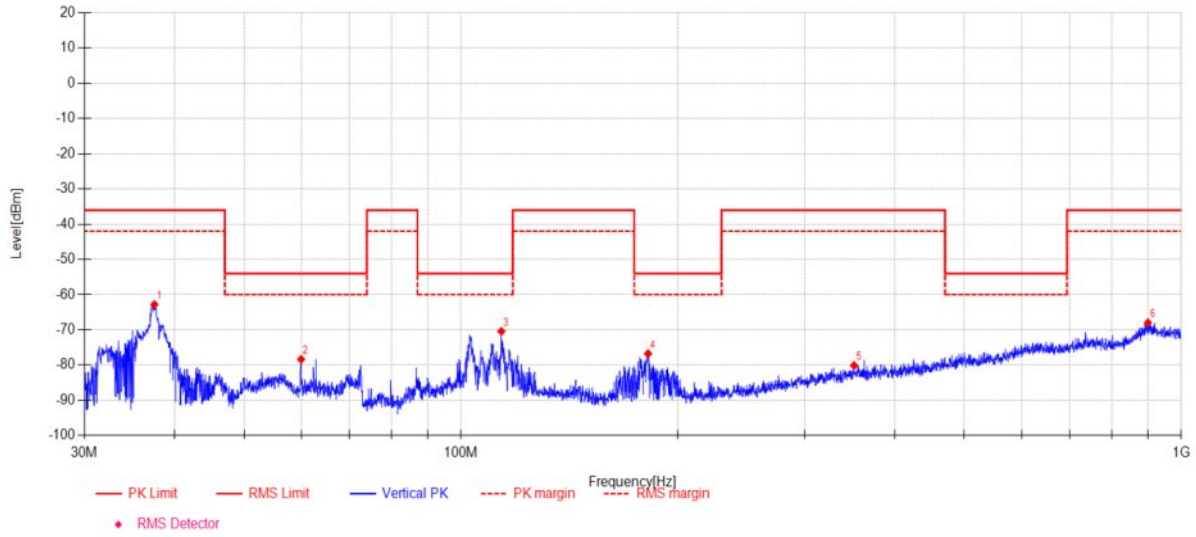

**Data List**

| NO. | Freq. [MHz] | Reading [dBµV/m] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Detector | Polarity | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 30.638 | 35.63 | -113.48 | -77.85 | -36.00 | 41.85 | PK | Horizontal | ERP |
| 2 | 51.475 | 33.78 | -110.72 | -76.94 | -54.00 | 22.94 | PK | Horizontal | ERP |
| 3 | 100.275 | 32.80 | -115.38 | -82.58 | -54.00 | 28.58 | PK | Horizontal | ERP |
| 4 | 166.477 | 34.67 | -117.41 | -82.74 | -36.00 | 46.74 | PK | Horizontal | ERP |
| 5 | 529.055 | 27.19 | -106.16 | -78.97 | -54.00 | 24.97 | PK | Horizontal | ERP |
| 6 | 963.520 | 27.73 | -97.73 | -70.00 | -36.00 | 34.00 | PK | Horizontal | ERP |

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

| | | | |
|---|---|---|---|
| **Test Date**: | 2024-05-20 | **Tested By**: | Genliu |
| **EUT**: | Studio Monitor | **Model Number**: | EDF100081 |
| **Test Mode**: | BLE1M TX 2402MHz | **Power Supply**: | Battery |
| **Condition**: | Temp:22.4°C;Humi:63.3% | **Test Site**: | DDT 3# Chamber |
| **File Path**: | d:\ts\2024 report data\Q24041204-1E\CE BELOW 1G\18 | | |
| **Memo**: | Sample Number:S24041204-005 Power Setting:10 | | |

**Test Graph**

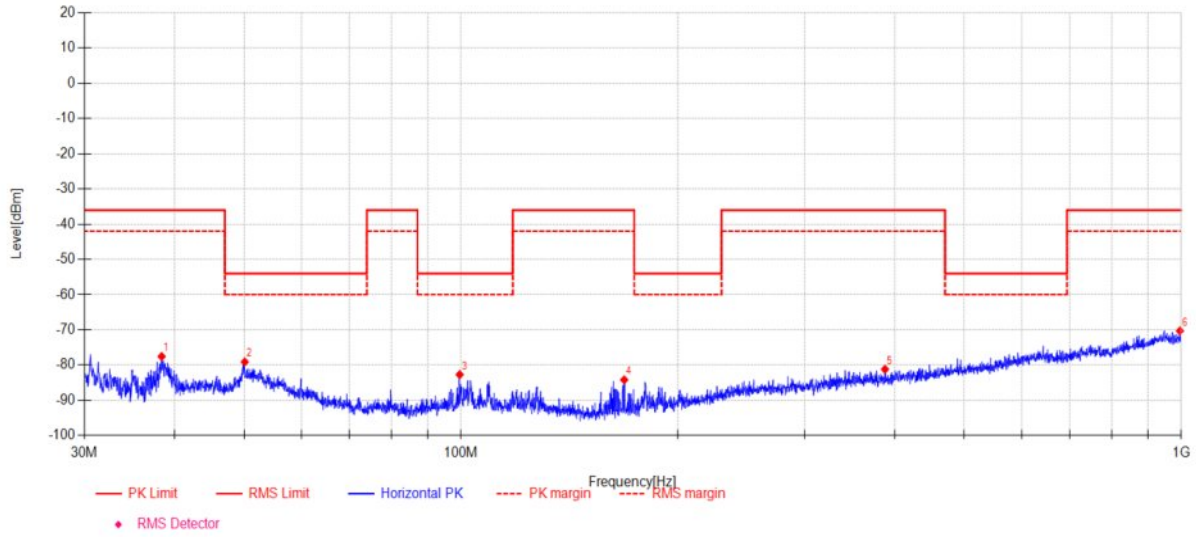



| Data List | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **NO.** | **Freq. [MHz]** | **Reading [dBµV/m]** | **Factor [dB]** | **Level [dBm]** | **Limit [dBm]** | **Margin [dB]** | **Detector** | **Polarity** | **Type** |
| 1 | 37.520 | 53.56 | -116.38 | -62.82 | -36.00 | 26.82 | PK | Vertical | ERP |
| 2 | 59.977 | 36.76 | -115.11 | -78.35 | -54.00 | 24.35 | PK | Vertical | ERP |
| 3 | 113.764 | 40.92 | -111.34 | -70.42 | -54.00 | 16.42 | PK | Vertical | ERP |
| 4 | 181.855 | 36.97 | -113.72 | -76.75 | -54.00 | 22.75 | PK | Vertical | ERP |
| 5 | 351.288 | 27.09 | -107.19 | -80.10 | -36.00 | 44.10 | PK | Vertical | ERP |
| 6 | 898.905 | 27.72 | -95.69 | -67.97 | -36.00 | 31.97 | PK | Vertical | ERP |

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

| | | | |
|---|---|---|---|
| **Test Date**: | 2024-05-20 | **Tested By**: | Genliu |
| **EUT**: | Studio Monitor | **Model Number**: | EDF100081 |
| **Test Mode**: | BLE1M TX 2480MHz | **Power Supply**: | Battery |
| **Condition**: | Temp:22.4°C;Humi:63.3% | **Test Site**: | DDT 3# Chamber |
| **File Path**: | d:\ts\2024 report data\Q24041204-1E\CE BELOW 1G\19 | | |
| **Memo**: | Sample Number:S24041204-005 Power Setting:10 | | |

**Test Graph**

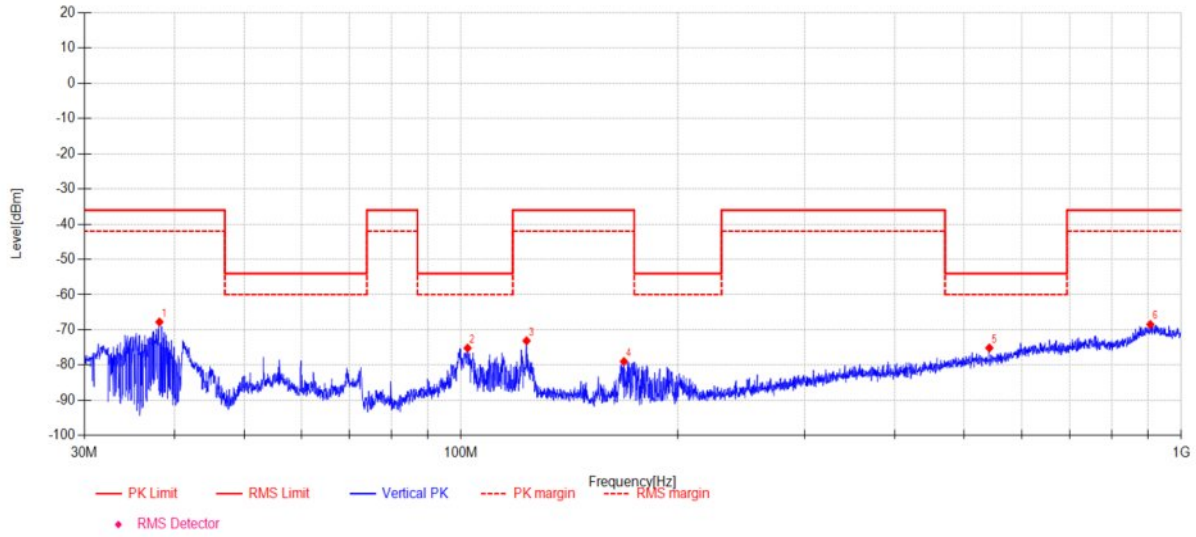



| Data List | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **NO.** | **Freq. [MHz]** | **Reading [dBµV/m]** | **Factor [dB]** | **Level [dBm]** | **Limit [dBm]** | **Margin [dB]** | **Detector** | **Polarity** | **Type** |
| 1 | 38.398 | 34.44 | -111.99 | -77.55 | -36.00 | 41.55 | PK | Horizontal | ERP |
| 2 | 50.087 | 31.28 | -110.37 | -79.09 | -54.00 | 25.09 | PK | Horizontal | ERP |
| 3 | 99.574 | 32.75 | -115.44 | -82.69 | -54.00 | 28.69 | PK | Horizontal | ERP |
| 4 | 168.474 | 33.12 | -117.29 | -84.17 | -36.00 | 48.17 | PK | Horizontal | ERP |
| 5 | 387.793 | 27.32 | -108.51 | -81.19 | -36.00 | 45.19 | PK | Horizontal | ERP |
| 6 | 995.802 | 27.80 | -98.07 | -70.27 | -36.00 | 34.27 | PK | Horizontal | ERP |

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

| | | | |
|---|---|---|---|
| **Test Date**: | 2024-05-20 | **Tested By**: | Genliu |
| **EUT**: | Studio Monitor | **Model Number**: | EDF100081 |
| **Test Mode**: | BLE1M TX 2480MHz | **Power Supply**: | Battery |
| **Condition**: | Temp:22.4°C;Humi:63.3% | **Test Site**: | DDT 3# Chamber |
| **File Path**: | d:\ts\2024 report data\Q24041204-1E\CE BELOW 1G\20 | | |
| **Memo**: | Sample Number:S24041204-005 Power Setting:10 | | |

**Test Graph**



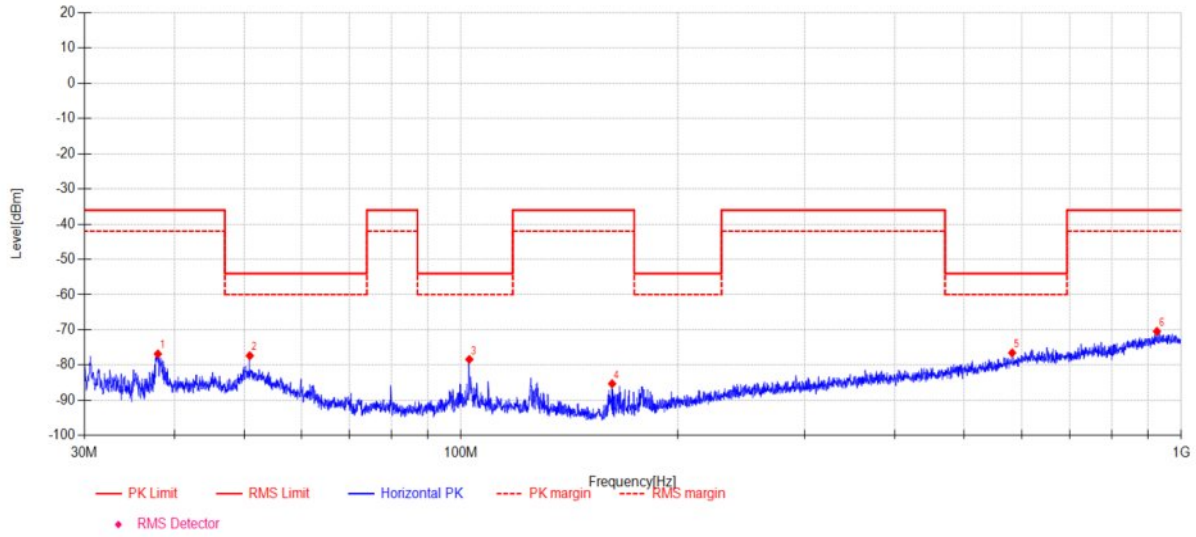

**Data List**

| NO. | Freq. [MHz] | Reading [dBµV/m] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Detector | Polarity | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 38.130 | 48.55 | -116.31 | -67.76 | -36.00 | 31.76 | PK | Vertical | ERP |
| 2 | 102.120 | 35.36 | -110.54 | -75.18 | -54.00 | 21.18 | PK | Vertical | ERP |
| 3 | 123.317 | 38.89 | -111.99 | -73.10 | -36.00 | 37.10 | PK | Vertical | ERP |
| 4 | 168.356 | 34.80 | -113.77 | -78.97 | -36.00 | 42.97 | PK | Vertical | ERP |
| 5 | 541.439 | 28.83 | -103.97 | -75.14 | -54.00 | 21.14 | PK | Vertical | ERP |
| 6 | 905.865 | 27.20 | -95.66 | -68.46 | -36.00 | 32.46 | PK | Vertical | ERP |

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

| | | | |
|---|---|---|---|
| **Test Date**: | 2024-05-20 | **Tested By**: | Genliu |
| **EUT**: | Studio Monitor | **Model Number**: | EDF100081 |
| **Test Mode**: | BLE2M TX 2404MHz | **Power Supply**: | Battery |
| **Condition**: | Temp:22.4°C;Humi:63.3% | **Test Site**: | DDT 3# Chamber |
| **File Path**: | d:\ts\2024 report data\Q24041204-1E\CE BELOW 1G\21 | | |
| **Memo**: | Sample Number:S24041204-005 Power Setting:10 | | |

**Test Graph**

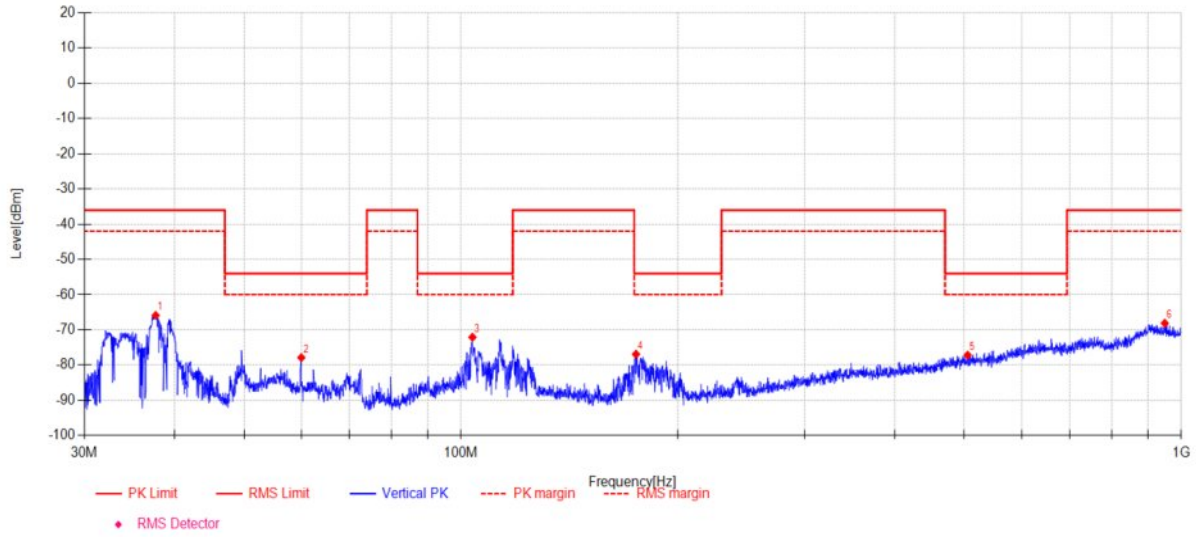



| Data List | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **NO.** | **Freq. [MHz]** | **Reading [dBµV/m]** | **Factor [dB]** | **Level [dBm]** | **Limit [dBm]** | **Margin [dB]** | **Detector** | **Polarity** | **Type** |
| 1 | 37.943 | 35.25 | -112.09 | -76.84 | -36.00 | 40.84 | PK | Horizontal | ERP |
| 2 | 50.901 | 33.24 | -110.58 | -77.34 | -54.00 | 23.34 | PK | Horizontal | ERP |
| 3 | 102.694 | 37.15 | -115.53 | -78.38 | -54.00 | 24.38 | PK | Horizontal | ERP |
| 4 | 162.100 | 32.41 | -117.69 | -85.28 | -36.00 | 49.28 | PK | Horizontal | ERP |
| 5 | 582.397 | 28.05 | -104.59 | -76.54 | -54.00 | 22.54 | PK | Horizontal | ERP |
| 6 | 925.122 | 28.06 | -98.48 | -70.42 | -36.00 | 34.42 | PK | Horizontal | ERP |

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

| | | | |
|---|---|---|---|
| **Test Date**: | 2024-05-20 | **Tested By**: | Genliu |
| **EUT**: | Studio Monitor | **Model Number**: | EDF100081 |
| **Test Mode**: | BLE2M TX 2404MHz | **Power Supply**: | Battery |
| **Condition**: | Temp:22.4°C;Humi:63.3% | **Test Site**: | DDT 3# Chamber |
| **File Path**: | d:\ts\2024 report data\Q24041204-1E\CE BELOW 1G\22 | | |
| **Memo**: | Sample Number:S24041204-005 Power Setting:10 | | |

**Test Graph**



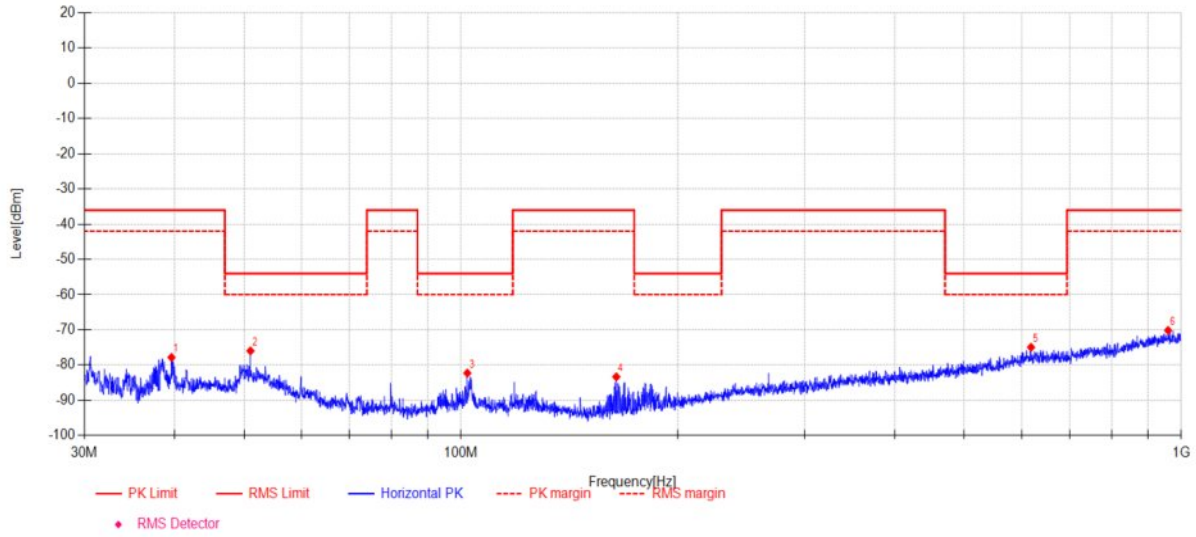

**Data List**

| NO. | Freq. [MHz] | Reading [dBµV/m] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Detector | Polarity | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 37.678 | 50.46 | -116.36 | -65.90 | -36.00 | 29.90 | PK | Vertical | ERP |
| 2 | 60.019 | 37.25 | -115.12 | -77.87 | -54.00 | 23.87 | PK | Vertical | ERP |
| 3 | 103.707 | 38.55 | -110.65 | -72.10 | -54.00 | 18.10 | PK | Vertical | ERP |
| 4 | 174.975 | 36.84 | -113.75 | -76.91 | -54.00 | 22.91 | PK | Vertical | ERP |
| 5 | 505.129 | 26.77 | -103.95 | -77.18 | -54.00 | 23.18 | PK | Vertical | ERP |
| 6 | 948.771 | 27.80 | -95.93 | -68.13 | -36.00 | 32.13 | PK | Vertical | ERP |

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

| | | | |
|---|---|---|---|
| **Test Date**: | 2024-05-20 | **Tested By**: | Genliu |
| **EUT**: | Studio Monitor | **Model Number**: | EDF100081 |
| **Test Mode**: | BLE2M TX 2478MHz | **Power Supply**: | Battery |
| **Condition**: | Temp:22.4°C;Humi:63.3% | **Test Site**: | DDT 3# Chamber |
| **File Path**: | d:\ts\2024 report data\Q24041204-1E\CE BELOW 1G\23 | | |
| **Memo**: | Sample Number:S24041204-005 Power Setting:10 | | |

**Test Graph**



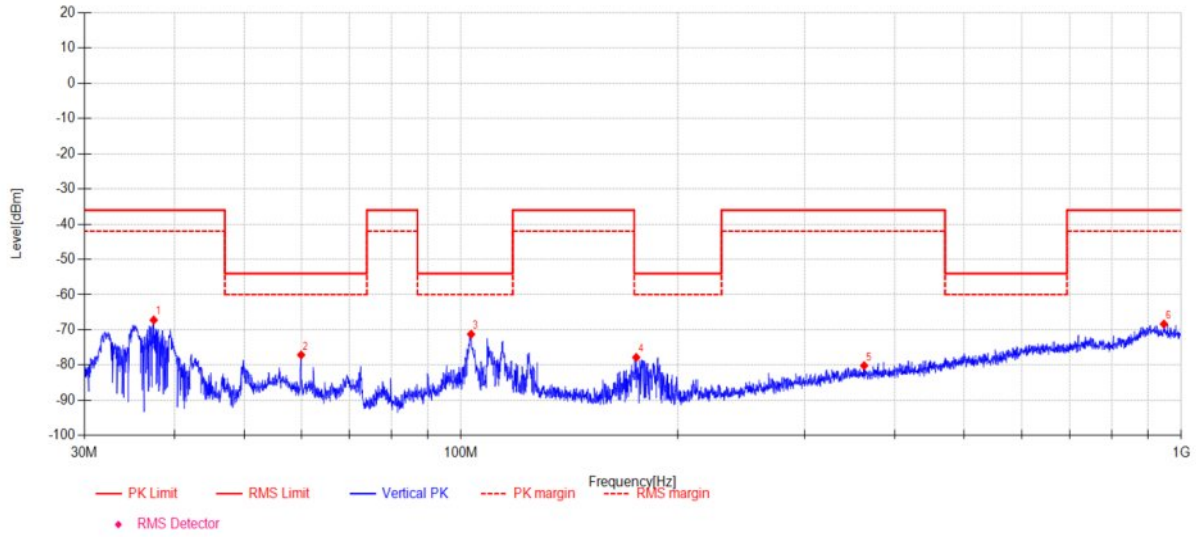

**Data List**

| NO. | Freq. [MHz] | Reading [dBµV/m] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Detector | Polarity | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 39.629 | 33.94 | -111.76 | -77.82 | -36.00 | 41.82 | PK | Horizontal | ERP |
| 2 | 51.008 | 34.64 | -110.61 | -75.97 | -54.00 | 21.97 | PK | Horizontal | ERP |
| 3 | 102.048 | 33.22 | -115.49 | -82.27 | -54.00 | 28.27 | PK | Horizontal | ERP |
| 4 | 164.274 | 34.22 | -117.55 | -83.33 | -36.00 | 47.33 | PK | Horizontal | ERP |
| 5 | 618.596 | 28.71 | -103.65 | -74.94 | -54.00 | 20.94 | PK | Horizontal | ERP |
| 6 | 958.802 | 27.51 | -97.67 | -70.16 | -36.00 | 34.16 | PK | Horizontal | ERP |

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

| | | | |
|---|---|---|---|
| **Test Date**: | 2024-05-20 | **Tested By**: | Genliu |
| **EUT**: | Studio Monitor | **Model Number**: | EDF100081 |
| **Test Mode**: | BLE2M TX 2478MHz | **Power Supply**: | Battery |
| **Condition**: | Temp:22.4°C;Humi:63.3% | **Test Site**: | DDT 3# Chamber |
| **File Path**: | d:\ts\2024 report data\Q24041204-1E\CE BELOW 1G\24 | | |
| **Memo**: | Sample Number:S24041204-005 Power Setting:10 | | |

**Test Graph**



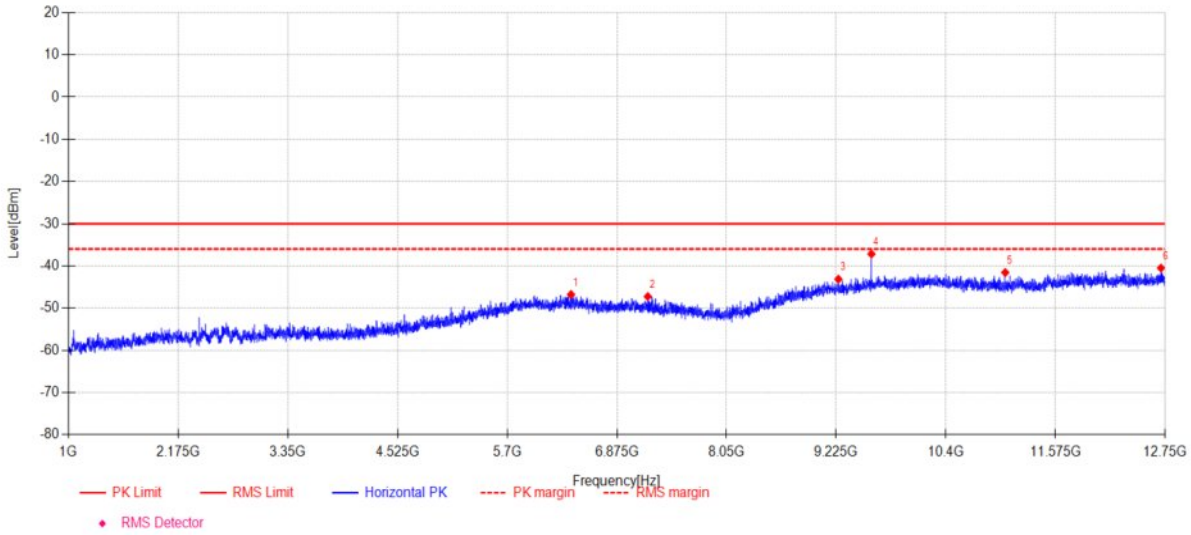

**Data List**

| NO. | Freq. [MHz] | Reading [dBµV/m] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Detector | Polarity | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 37.441 | 49.16 | -116.38 | -67.22 | -36.00 | 31.22 | PK | Vertical | ERP |
| 2 | 59.977 | 37.99 | -115.11 | -77.12 | -54.00 | 23.12 | PK | Vertical | ERP |
| 3 | 103.272 | 39.38 | -110.62 | -71.24 | -54.00 | 17.24 | PK | Vertical | ERP |
| 4 | 175.098 | 35.92 | -113.74 | -77.82 | -54.00 | 23.82 | PK | Vertical | ERP |
| 5 | 362.804 | 26.91 | -107.07 | -80.16 | -36.00 | 44.16 | PK | Vertical | ERP |
| 6 | 946.114 | 27.56 | -95.92 | -68.36 | -36.00 | 32.36 | PK | Vertical | ERP |

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

| | | | |
|---|---|---|---|
| **Test Date**: | 2024-06-15 | **Tested By**: | Genliu |
| **EUT**: | Studio Monitor | **Model Number**: | EDF100081 |
| **Test Mode**: | BLE1M TX 2402MHz | **Power Supply**: | Battery |
| **Condition**: | Temp:20.4°C;Humi:60.3% | **Test Site**: | DDT 3# Chamber |
| **File Path**: | d:\ts\2024 report data\Q24041204-1E\CE ABOVE 1G\15 | | |
| **Memo**: | Sample Number:S24041204-005 Power Setting:NA | | |

**Test Graph**

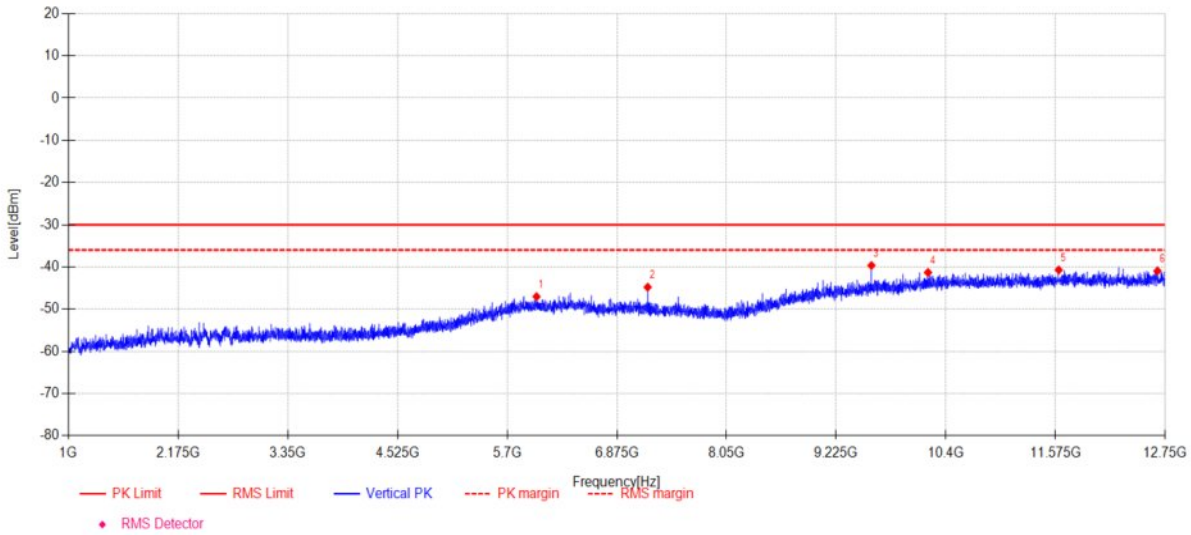



| Data List | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **NO.** | **Freq. [MHz]** | **Reading [dBµV/m]** | **Factor [dB]** | **Level [dBm]** | **Limit [dBm]** | **Margin [dB]** | **Detector** | **Polarity** | **Type** |
| 1 | 6383.850 | 47.43 | -94.20 | -46.77 | -30.00 | 16.77 | PK | Horizontal | EIRP |
| 2 | 7206.350 | 47.66 | -94.91 | -47.25 | -30.00 | 17.25 | PK | Horizontal | EIRP |
| 3 | 9248.500 | 45.66 | -88.80 | -43.14 | -30.00 | 13.14 | PK | Horizontal | EIRP |
| 4 | 9602.175 | 50.84 | -88.01 | -37.17 | -30.00 | 7.17 | PK | Horizontal | EIRP |
| 5 | 11035.675 | 46.59 | -88.15 | -41.56 | -30.00 | 11.56 | PK | Horizontal | EIRP |
| 6 | 12704.175 | 47.39 | -87.90 | -40.51 | -30.00 | 10.51 | PK | Horizontal | EIRP |

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss + Filter Factor - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

| | | | |
|---|---|---|---|
| **Test Date**: | 2024-06-15 | **Tested By**: | Genliu |
| **EUT**: | Studio Monitor | **Model Number**: | EDF100081 |
| **Test Mode**: | BLE1M TX 2402MHz | **Power Supply**: | Battery |
| **Condition**: | Temp:20.4°C;Humi:60.3% | **Test Site**: | DDT 3# Chamber |
| **File Path**: | d:\ts\2024 report data\Q24041204-1E\CE ABOVE 1G\16 | | |
| **Memo**: | Sample Number:S24041204-005 Power Setting:NA | | |

**Test Graph**



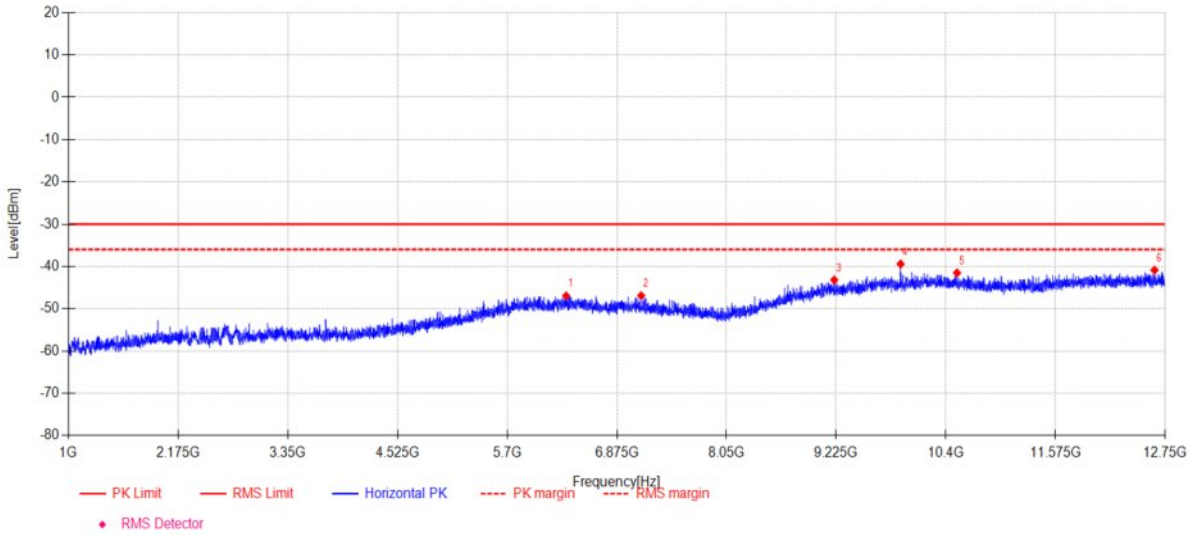

**Data List**

| NO. | Freq. [MHz] | Reading [dBµV/m] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Detector | Polarity | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 6014.900 | 46.85 | -93.89 | -47.04 | -30.00 | 17.04 | PK | Vertical | EIRP |
| 2 | 7205.175 | 50.14 | -94.94 | -44.80 | -30.00 | 14.80 | PK | Vertical | EIRP |
| 3 | 9602.175 | 48.78 | -88.44 | -39.66 | -30.00 | 9.66 | PK | Vertical | EIRP |
| 4 | 10208.475 | 46.14 | -87.46 | -41.32 | -30.00 | 11.32 | PK | Vertical | EIRP |
| 5 | 11609.075 | 46.16 | -86.88 | -40.72 | -30.00 | 10.72 | PK | Vertical | EIRP |
| 6 | 12666.575 | 46.64 | -87.58 | -40.94 | -30.00 | 10.94 | PK | Vertical | EIRP |

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss + Filter Factor - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

| | | | |
|---|---|---|---|
| **Test Date**: | 2024-06-15 | **Tested By**: | Genliu |
| **EUT**: | Studio Monitor | **Model Number**: | EDF100081 |
| **Test Mode**: | BLE1M TX 2480MHz | **Power Supply**: | Battery |
| **Condition**: | Temp:20.4°C;Humi:60.3% | **Test Site**: | DDT 3# Chamber |
| **File Path**: | d:\ts\2024 report data\Q24041204-1E\CE ABOVE 1G\17 | | |
| **Memo**: | Sample Number:S24041204-005 Power Setting:NA | | |

**Test Graph**



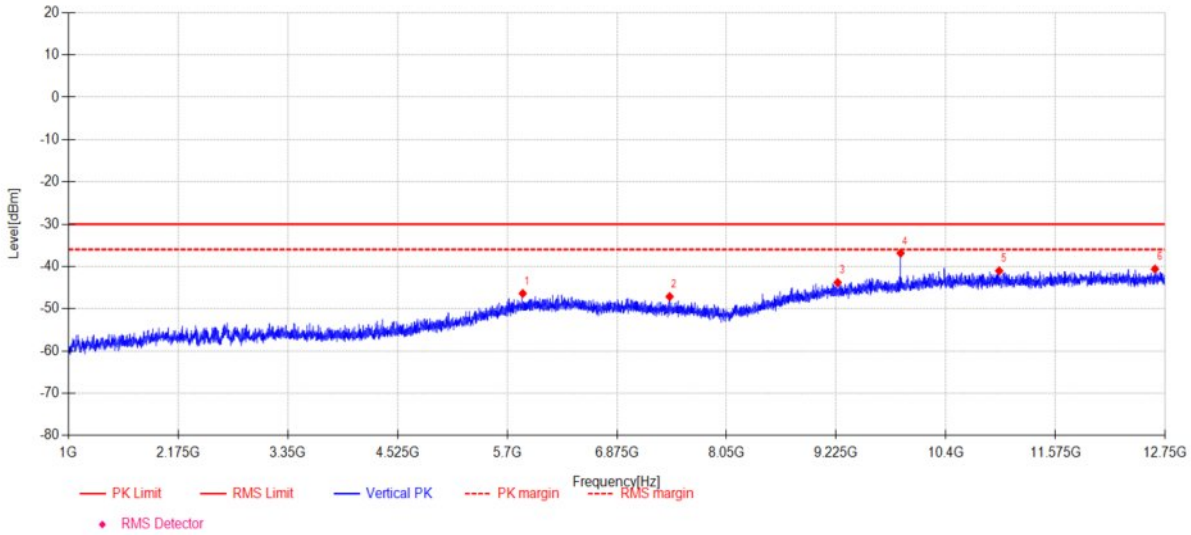

**Data List**

| NO. | Freq. [MHz] | Reading [dBµV/m] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Detector | Polarity | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 6332.150 | 47.18 | -94.15 | -46.97 | -30.00 | 16.97 | PK | Horizontal | EIRP |
| 2 | 7135.850 | 47.90 | -94.83 | -46.93 | -30.00 | 16.93 | PK | Horizontal | EIRP |
| 3 | 9203.850 | 45.70 | -88.90 | -43.20 | -30.00 | 13.20 | PK | Horizontal | EIRP |
| 4 | 9914.725 | 47.91 | -87.32 | -39.41 | -30.00 | 9.41 | PK | Horizontal | EIRP |
| 5 | 10518.675 | 46.13 | -87.66 | -41.53 | -30.00 | 11.53 | PK | Horizontal | EIRP |
| 6 | 12634.850 | 47.00 | -87.87 | -40.87 | -30.00 | 10.87 | PK | Horizontal | EIRP |

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss + Filter Factor - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

| | | | |
|---|---|---|---|
| **Test Date**: | 2024-06-15 | **Tested By**: | Genliu |
| **EUT**: | Studio Monitor | **Model Number**: | EDF100081 |
| **Test Mode**: | BLE1M TX 2480MHz | **Power Supply**: | Battery |
| **Condition**: | Temp:20.4°C;Humi:60.3% | **Test Site**: | DDT 3# Chamber |
| **File Path**: | d:\ts\2024 report data\Q24041204-1E\CE ABOVE 1G\18 | | |
| **Memo**: | Sample Number:S24041204-005 Power Setting:NA | | |

**Test Graph**



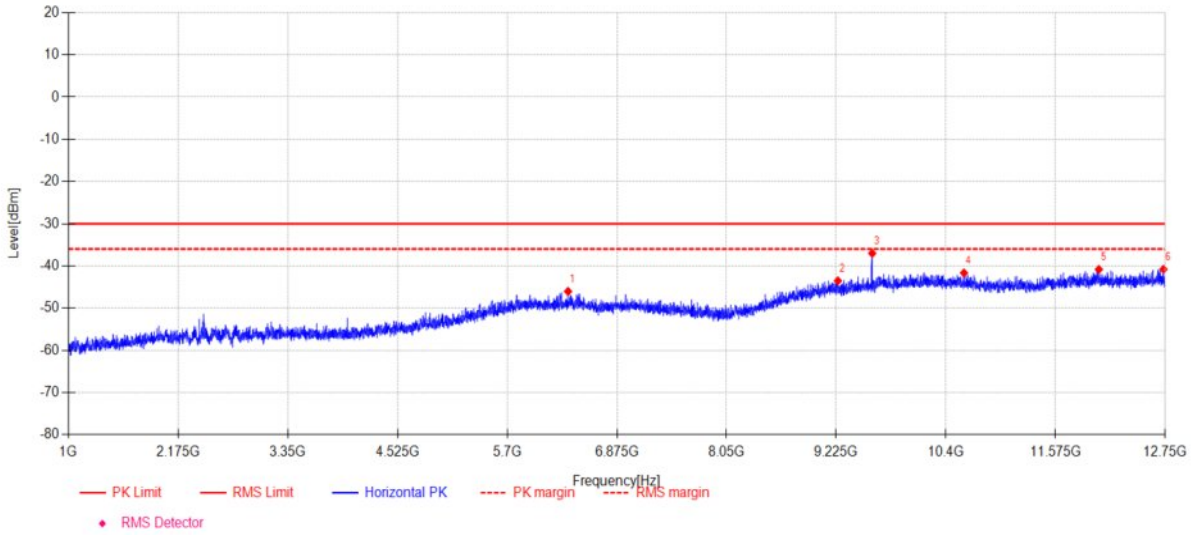

**Data List**

| NO. | Freq. [MHz] | Reading [dBµV/m] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Detector | Polarity | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 5866.850 | 48.13 | -94.52 | -46.39 | -30.00 | 16.39 | PK | Vertical | EIRP |
| 2 | 7440.175 | 47.95 | -95.09 | -47.14 | -30.00 | 17.14 | PK | Vertical | EIRP |
| 3 | 9240.275 | 45.39 | -89.19 | -43.80 | -30.00 | 13.80 | PK | Vertical | EIRP |
| 4 | 9914.725 | 50.94 | -87.80 | -36.86 | -30.00 | 6.86 | PK | Vertical | EIRP |
| 5 | 10969.875 | 45.80 | -86.84 | -41.04 | -30.00 | 11.04 | PK | Vertical | EIRP |
| 6 | 12639.550 | 46.94 | -87.55 | -40.61 | -30.00 | 10.61 | PK | Vertical | EIRP |

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss + Filter Factor - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

| | | | |
|---|---|---|---|
| **Test Date**: | 2024-06-15 | **Tested By**: | Genliu |
| **EUT**: | Studio Monitor | **Model Number**: | EDF100081 |
| **Test Mode**: | BLE2M TX 2404MHz | **Power Supply**: | Battery |
| **Condition**: | Temp:20.4°C;Humi:60.3% | **Test Site**: | DDT 3# Chamber |
| **File Path**: | d:\ts\2024 report data\Q24041204-1E\CE ABOVE 1G\21 | | |
| **Memo**: | Sample Number:S24041204-005 Power Setting:NA | | |

**Test Graph**



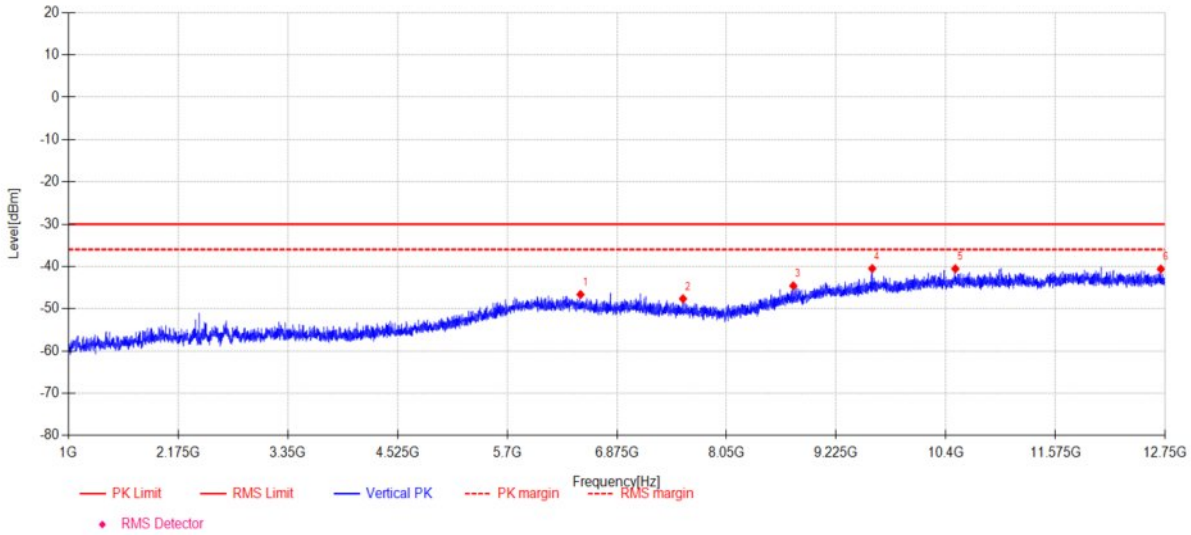

**Data List**

| NO. | Freq. [MHz] | Reading [dBµV/m] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Detector | Polarity | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 6352.125 | 48.14 | -94.17 | -46.03 | -30.00 | 16.03 | PK | Horizontal | EIRP |
| 2 | 9242.625 | 45.27 | -88.81 | -43.54 | -30.00 | 13.54 | PK | Horizontal | EIRP |
| 3 | 9610.400 | 50.97 | -87.99 | -37.02 | -30.00 | 7.02 | PK | Horizontal | EIRP |
| 4 | 10593.875 | 46.07 | -87.74 | -41.67 | -30.00 | 11.67 | PK | Horizontal | EIRP |
| 5 | 12039.125 | 46.65 | -87.48 | -40.83 | -30.00 | 10.83 | PK | Horizontal | EIRP |
| 6 | 12731.200 | 47.14 | -87.93 | -40.79 | -30.00 | 10.79 | PK | Horizontal | EIRP |

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss + Filter Factor - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

| | | | |
|---|---|---|---|
| **Test Date**: | 2024-06-15 | **Tested By**: | Genliu |
| **EUT**: | Studio Monitor | **Model Number**: | EDF100081 |
| **Test Mode**: | BLE2M TX 2404MHz | **Power Supply**: | Battery |
| **Condition**: | Temp:20.4°C;Humi:60.3% | **Test Site**: | DDT 3# Chamber |
| **File Path**: | d:\ts\2024 report data\Q24041204-1E\CE ABOVE 1G\22 | | |
| **Memo**: | Sample Number:S24041204-005 Power Setting:NA | | |

**Test Graph**



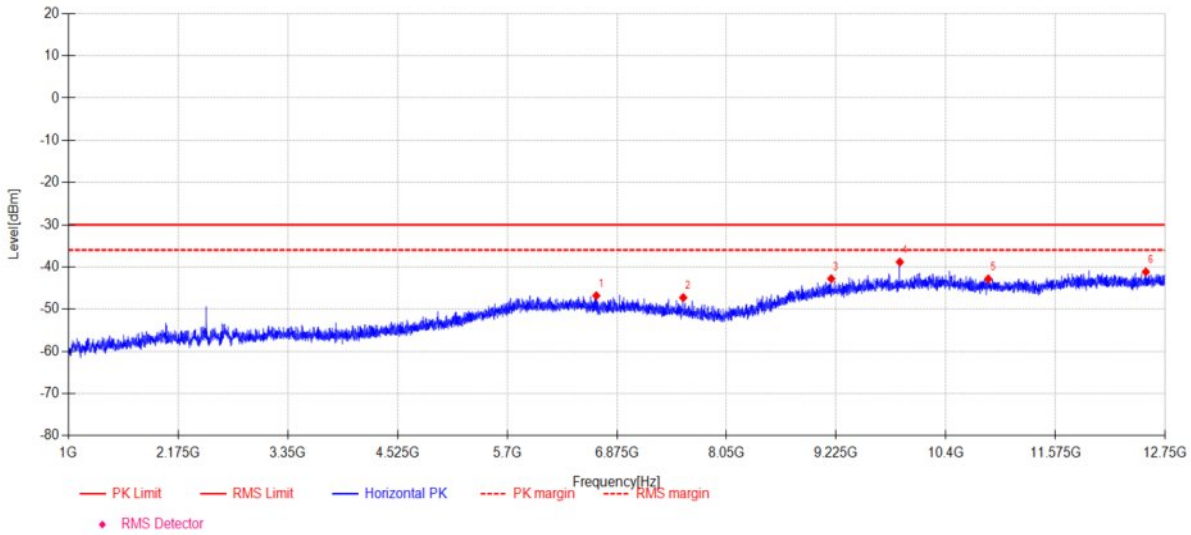

**Data List**

| NO. | Freq. [MHz] | Reading [dBµV/m] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Detector | Polarity | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 6486.075 | 47.69 | -94.32 | -46.63 | -30.00 | 16.63 | PK | Vertical | EIRP |
| 2 | 7583.525 | 47.54 | -95.18 | -47.64 | -30.00 | 17.64 | PK | Vertical | EIRP |
| 3 | 8765.575 | 46.45 | -91.03 | -44.58 | -30.00 | 14.58 | PK | Vertical | EIRP |
| 4 | 9610.400 | 47.93 | -88.43 | -40.50 | -30.00 | 10.50 | PK | Vertical | EIRP |
| 5 | 10501.050 | 46.68 | -87.22 | -40.54 | -30.00 | 10.54 | PK | Vertical | EIRP |
| 6 | 12703.000 | 46.99 | -87.61 | -40.62 | -30.00 | 10.62 | PK | Vertical | EIRP |

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss + Filter Factor - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

| | | | |
|---|---|---|---|
| **Test Date**: | 2024-06-15 | **Tested By**: | Genliu |
| **EUT**: | Studio Monitor | **Model Number**: | EDF100081 |
| **Test Mode**: | BLE2M TX 2478MHz | **Power Supply**: | Battery |
| **Condition**: | Temp:20.4°C;Humi:60.3% | **Test Site**: | DDT 3# Chamber |
| **File Path**: | d:\ts\2024 report data\Q24041204-1E\CE ABOVE 1G\19 | | |
| **Memo**: | Sample Number:S24041204-005 Power Setting:NA | | |

**Test Graph**



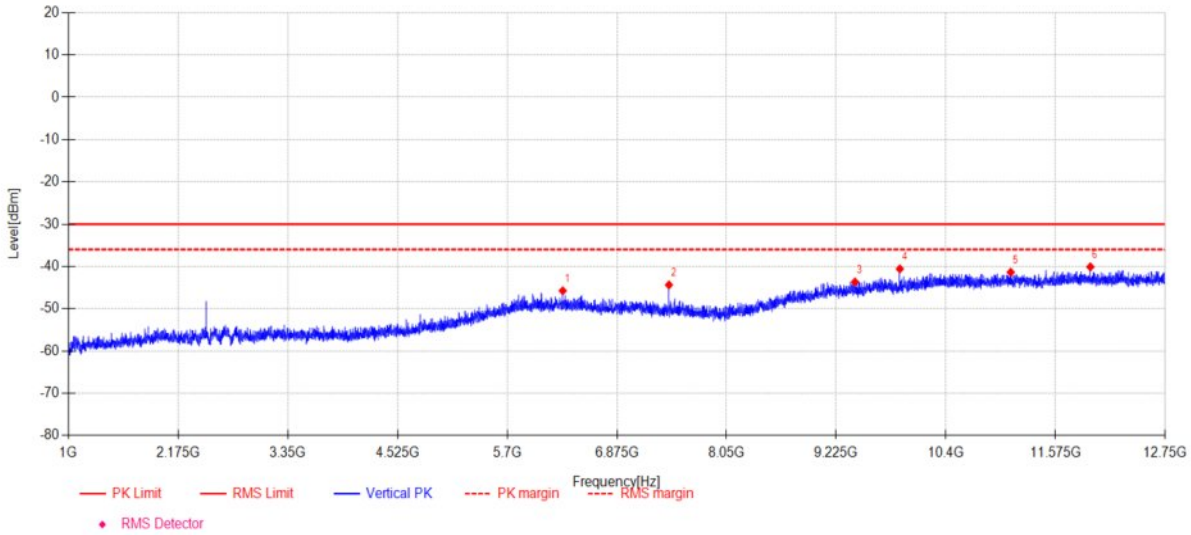

**Data List**

| NO. | Freq. [MHz] | Reading [dBµV/m] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Detector | Polarity | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 6655.275 | 47.58 | -94.40 | -46.82 | -30.00 | 16.82 | PK | Horizontal | EIRP |
| 2 | 7585.875 | 48.08 | -95.35 | -47.27 | -30.00 | 17.27 | PK | Horizontal | EIRP |
| 3 | 9170.950 | 46.19 | -88.97 | -42.78 | -30.00 | 12.78 | PK | Horizontal | EIRP |
| 4 | 9906.500 | 48.49 | -87.33 | -38.84 | -30.00 | 8.84 | PK | Horizontal | EIRP |
| 5 | 10853.550 | 45.18 | -88.02 | -42.84 | -30.00 | 12.84 | PK | Horizontal | EIRP |
| 6 | 12542.025 | 46.63 | -87.80 | -41.17 | -30.00 | 11.17 | PK | Horizontal | EIRP |

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss + Filter Factor - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

| | | | |
|---|---|---|---|
| **Test Date**: | 2024-06-15 | **Tested By**: | Genliu |
| **EUT**: | Studio Monitor | **Model Number**: | EDF100081 |
| **Test Mode**: | BLE2M TX 2478MHz | **Power Supply**: | Battery |
| **Condition**: | Temp:20.4°C;Humi:60.3% | **Test Site**: | DDT 3# Chamber |
| **File Path**: | d:\ts\2024 report data\Q24041204-1E\CE ABOVE 1G\20 | | |
| **Memo**: | Sample Number:S24041204-005 Power Setting:NA | | |

**Test Graph**




**Data List**

| NO. | Freq. [MHz] | Reading [dBµV/m] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Detector | Polarity | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 6295.725 | 48.40 | -94.15 | -45.75 | -30.00 | 15.75 | PK | Vertical | EIRP |
| 2 | 7433.125 | 50.72 | -95.08 | -44.36 | -30.00 | 14.36 | PK | Vertical | EIRP |
| 3 | 9425.925 | 45.14 | -88.81 | -43.67 | -30.00 | 13.67 | PK | Vertical | EIRP |
| 4 | 9906.500 | 47.25 | -87.82 | -40.57 | -30.00 | 10.57 | PK | Vertical | EIRP |
| 5 | 11094.425 | 45.44 | -86.81 | -41.37 | -30.00 | 11.37 | PK | Vertical | EIRP |
| 6 | 11947.475 | 46.81 | -86.91 | -40.10 | -30.00 | 10.10 | PK | Vertical | EIRP |

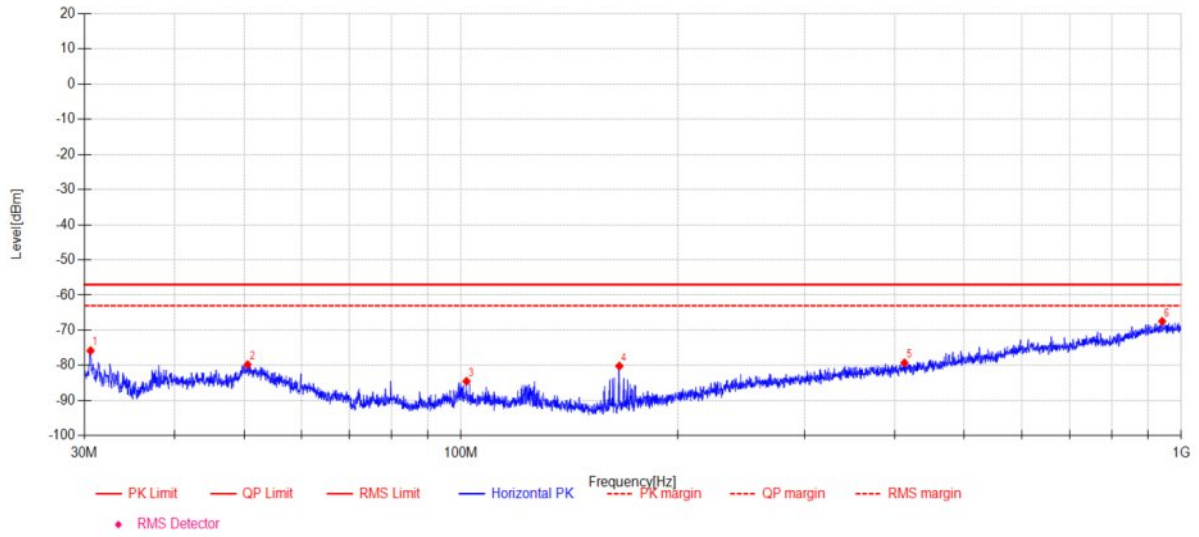
Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss + Filter Factor - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

# 7 Appendix B.7 : Receiver spurious emissions

Note: The EUT without antenna connectors.

| | | | |
|---|---|---|---|
| **Test Date**: | 2024-05-20 | **Tested By**: | Genliu |
| **EUT**: | Studio Monitor | **Model Number**: | EDF100081 |
| **Test Mode**: | BLE1M RX 2402MHz | **Power Supply**: | Battery |
| **Condition**: | Temp:22.4°C;Humi:63.3% | **Test Site**: | DDT 3# Chamber |
| **File Path**: | d:\ts\2024 report data\Q24041204-1E\CE BELOW 1G\7 | | |
| **Memo**: | Sample Number:S24041204-005 Power Setting:10 | | |

**Test Graph**

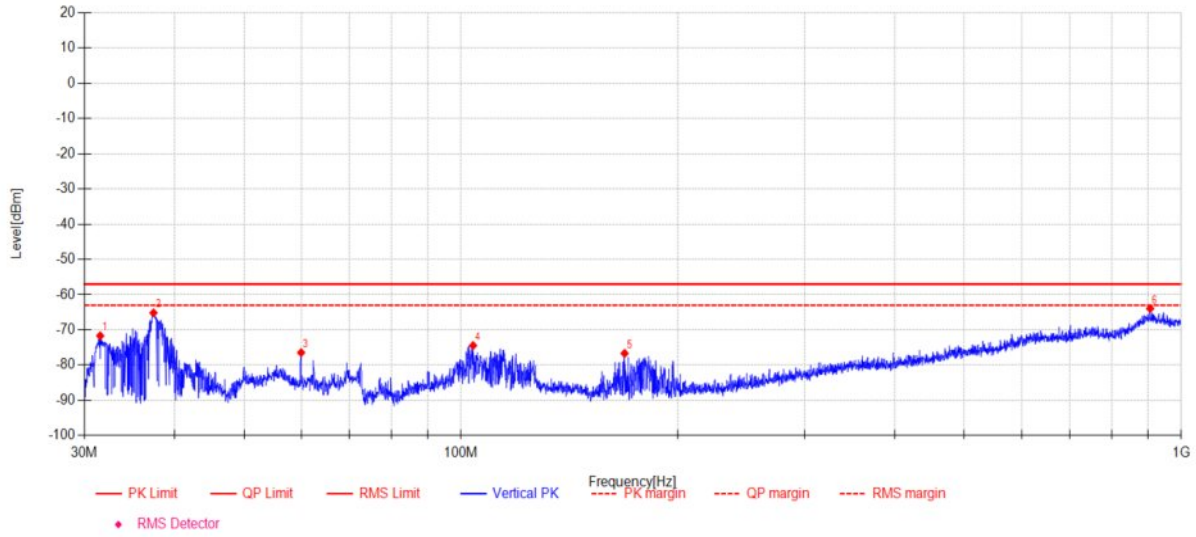



| Data List | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **NO.** | **Freq. [MHz]** | **Reading [dBµV/m]** | **Factor [dB]** | **Level [dBm]** | **Limit [dBm]** | **Margin [dB]** | **Detector** | **Polarity** | **Type** |
| 1 | 30.595 | 36.36 | -112.18 | -75.82 | -57.00 | 18.82 | PK | Horizontal | ERP |
| 2 | 50.545 | 29.13 | -108.91 | -79.78 | -57.00 | 22.78 | PK | Horizontal | ERP |
| 3 | 101.762 | 29.60 | -114.12 | -84.52 | -57.00 | 27.52 | PK | Horizontal | ERP |
| 4 | 165.895 | 35.76 | -115.94 | -80.18 | -57.00 | 23.18 | PK | Horizontal | ERP |
| 5 | 412.764 | 26.60 | -105.87 | -79.27 | -57.00 | 22.27 | PK | Horizontal | ERP |
| 6 | 940.821 | 27.31 | -94.79 | -67.48 | -57.00 | 10.48 | PK | Horizontal | ERP |

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

| | | | |
|---|---|---|---|
| **Test Date**: | 2024-05-20 | **Tested By**: | Genliu |
| **EUT**: | Studio Monitor | **Model Number**: | EDF100081 |
| **Test Mode**: | BLE1M RX 2402MHz | **Power Supply**: | Battery |
| **Condition**: | Temp:22.4°C;Humi:63.3% | **Test Site**: | DDT 3# Chamber |
| **File Path**: | d:\ts\2024 report data\Q24041204-1E\CE BELOW 1G\8 | | |
| **Memo**: | Sample Number:S24041204-005 Power Setting:10 | | |

**Test Graph**



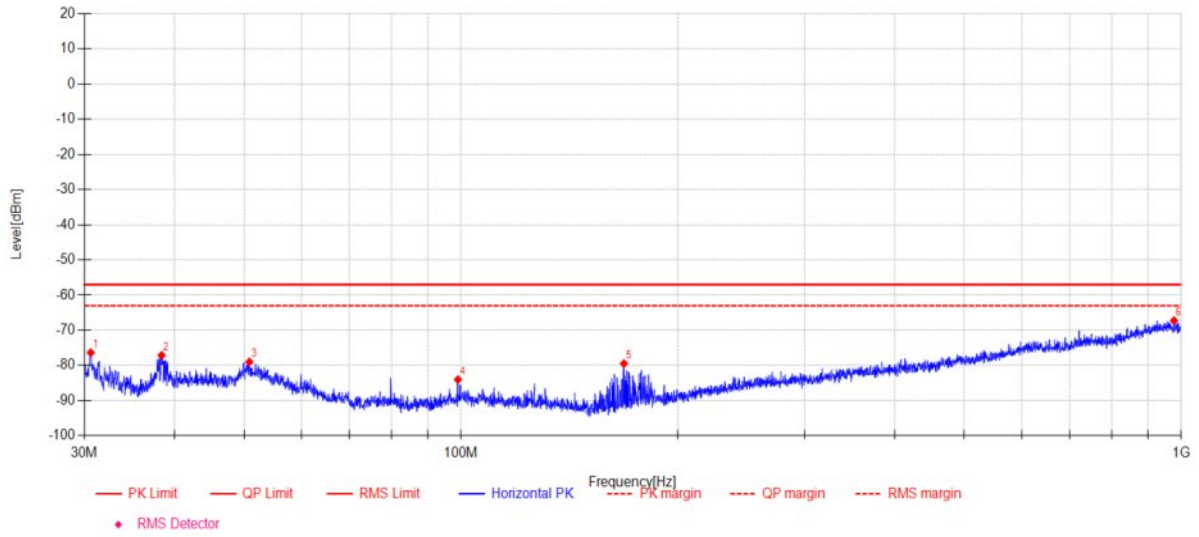

**Data List**

| NO. | Freq. [MHz] | Reading [dBµV/m] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Detector | Polarity | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 31.553 | 44.00 | -115.69 | -71.69 | -57.00 | 14.69 | PK | Vertical | ERP |
| 2 | 37.415 | 49.81 | -114.99 | -65.18 | -57.00 | 8.18 | PK | Vertical | ERP |
| 3 | 59.977 | 37.02 | -113.47 | -76.45 | -57.00 | 19.45 | PK | Vertical | ERP |
| 4 | 103.925 | 34.88 | -109.32 | -74.44 | -57.00 | 17.44 | PK | Vertical | ERP |
| 5 | 168.710 | 35.57 | -112.24 | -76.67 | -57.00 | 19.67 | PK | Vertical | ERP |
| 6 | 905.230 | 28.47 | -92.43 | -63.96 | -57.00 | 6.96 | PK | Vertical | ERP |

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

| | | | |
|---|---|---|---|
| **Test Date**: | 2024-05-20 | **Tested By**: | Genliu |
| **EUT**: | Studio Monitor | **Model Number**: | EDF100081 |
| **Test Mode**: | BLE1M RX 2480MHz | **Power Supply**: | Battery |
| **Condition**: | Temp:22.4°C;Humi:63.3% | **Test Site**: | DDT 3# Chamber |
| **File Path**: | d:\ts\2024 report data\Q24041204-1E\CE BELOW 1G\5 | | |
| **Memo**: | Sample Number:S24041204-005 Power Setting:10 | | |

**Test Graph**



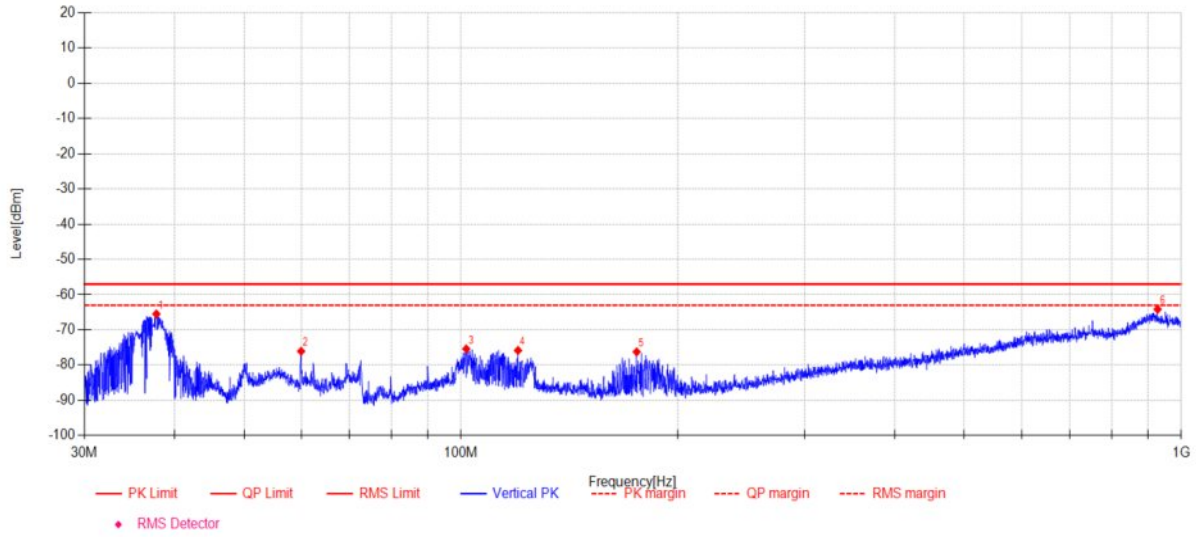

**Data List**

| NO. | Freq. [MHz] | Reading [dBµV/m] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Detector | Polarity | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 30.616 | 35.81 | -112.18 | -76.37 | -57.00 | 19.37 | PK | Horizontal | ERP |
| 2 | 38.398 | 33.44 | -110.58 | -77.14 | -57.00 | 20.14 | PK | Horizontal | ERP |
| 3 | 50.830 | 29.95 | -108.97 | -79.02 | -57.00 | 22.02 | PK | Horizontal | ERP |
| 4 | 99.017 | 30.13 | -114.17 | -84.04 | -57.00 | 27.04 | PK | Horizontal | ERP |
| 5 | 168.356 | 36.29 | -115.77 | -79.48 | -57.00 | 22.48 | PK | Horizontal | ERP |
| 6 | 977.127 | 27.59 | -94.86 | -67.27 | -57.00 | 10.27 | PK | Horizontal | ERP |

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

| | | | |
|---|---|---|---|
| **Test Date**: | 2024-05-20 | **Tested By**: | Genliu |
| **EUT**: | Studio Monitor | **Model Number**: | EDF100081 |
| **Test Mode**: | BLE1M RX 2480MHz | **Power Supply**: | Battery |
| **Condition**: | Temp:22.4°C;Humi:63.3% | **Test Site**: | DDT 3# Chamber |
| **File Path**: | d:\ts\2024 report data\Q24041204-1E\CE BELOW 1G\6 | | |
| **Memo**: | Sample Number:S24041204-005 Power Setting:10 | | |

**Test Graph**



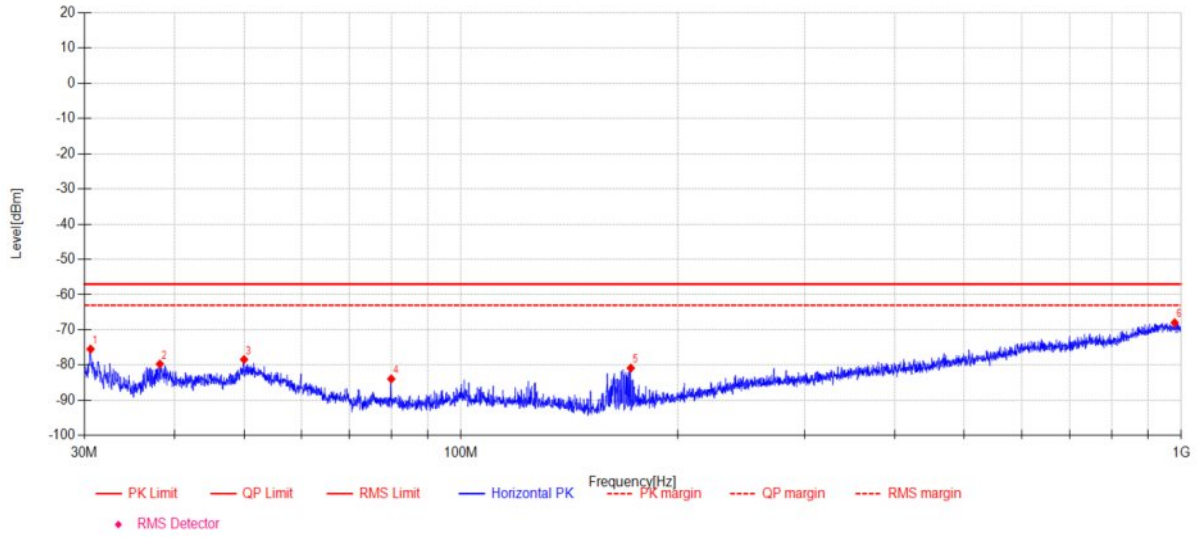

**Data List**

| NO. | Freq. [MHz] | Reading [dBµV/m] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Detector | Polarity | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 37.757 | 49.45 | -114.94 | -65.49 | -57.00 | 8.49 | PK | Vertical | ERP |
| 2 | 59.977 | 37.40 | -113.47 | -76.07 | -57.00 | 19.07 | PK | Vertical | ERP |
| 3 | 101.691 | 33.75 | -109.16 | -75.41 | -57.00 | 18.41 | PK | Vertical | ERP |
| 4 | 119.991 | 34.56 | -110.39 | -75.83 | -57.00 | 18.83 | PK | Vertical | ERP |
| 5 | 175.343 | 35.94 | -112.18 | -76.24 | -57.00 | 19.24 | PK | Vertical | ERP |
| 6 | 927.070 | 28.48 | -92.64 | -64.16 | -57.00 | 7.16 | PK | Vertical | ERP |

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

| | | | |
|---|---|---|---|
| **Test Date**: | 2024-05-20 | **Tested By**: | Genliu |
| **EUT**: | Studio Monitor | **Model Number**: | EDF100081 |
| **Test Mode**: | BLE2M RX 2404MHz | **Power Supply**: | Battery |
| **Condition**: | Temp:22.4°C;Humi:63.3% | **Test Site**: | DDT 3# Chamber |
| **File Path**: | d:\ts\2024 report data\Q24041204-1E\CE BELOW 1G\9 | | |
| **Memo**: | Sample Number:S24041204-005 Power Setting:10 | | |

**Test Graph**

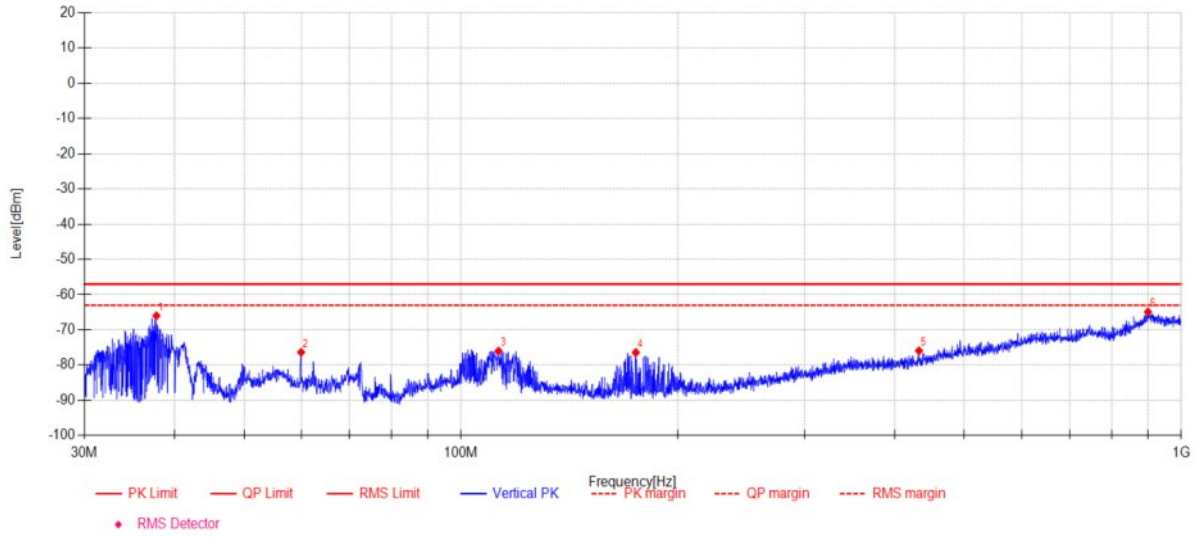



| Data List | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **NO.** | **Freq. [MHz]** | **Reading [dBµV/m]** | **Factor [dB]** | **Level [dBm]** | **Limit [dBm]** | **Margin [dB]** | **Detector** | **Polarity** | **Type** |
| 1 | 30.595 | 36.72 | -112.18 | -75.46 | -57.00 | 18.46 | PK | Horizontal | ERP |
| 2 | 38.183 | 30.93 | -110.63 | -79.70 | -57.00 | 22.70 | PK | Horizontal | ERP |
| 3 | 49.981 | 30.35 | -108.77 | -78.42 | -57.00 | 21.42 | PK | Horizontal | ERP |
| 4 | 80.009 | 32.18 | -116.11 | -83.93 | -57.00 | 26.93 | PK | Horizontal | ERP |
| 5 | 172.055 | 34.67 | -115.52 | -80.85 | -57.00 | 23.85 | PK | Horizontal | ERP |
| 6 | 979.185 | 26.92 | -94.88 | -67.96 | -57.00 | 10.96 | PK | Horizontal | ERP |

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

| | | | |
|---|---|---|---|
| **Test Date**: | 2024-05-20 | **Tested By**: | Genliu |
| **EUT**: | Studio Monitor | **Model Number**: | EDF100081 |
| **Test Mode**: | BLE2M RX 2404MHz | **Power Supply**: | Battery |
| **Condition**: | Temp:22.4°C;Humi:63.3% | **Test Site**: | DDT 3# Chamber |
| **File Path**: | d:\ts\2024 report data\Q24041204-1E\CE BELOW 1G\10 | | |
| **Memo**: | Sample Number:S24041204-005 Power Setting:10 | | |

**Test Graph**

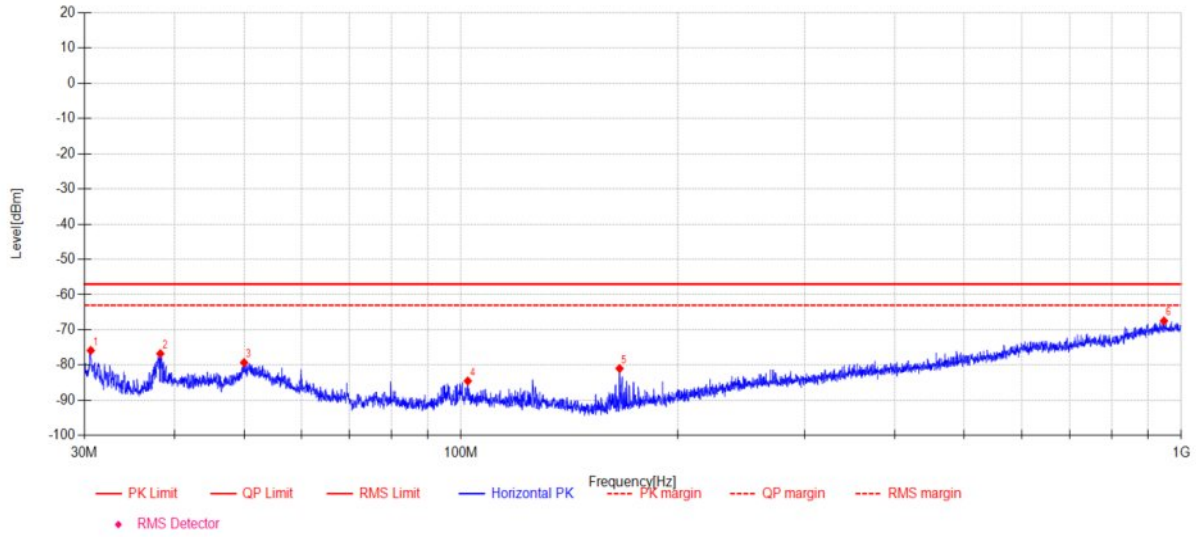



| Data List | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **NO.** | **Freq. [MHz]** | **Reading [dBµV/m]** | **Factor [dB]** | **Level [dBm]** | **Limit [dBm]** | **Margin [dB]** | **Detector** | **Polarity** | **Type** |
| 1 | 37.757 | 48.92 | -114.94 | -66.02 | -57.00 | 9.02 | PK | Vertical | ERP |
| 2 | 59.977 | 37.11 | -113.47 | -76.36 | -57.00 | 19.36 | PK | Vertical | ERP |
| 3 | 112.732 | 33.90 | -109.91 | -76.01 | -57.00 | 19.01 | PK | Vertical | ERP |
| 4 | 174.852 | 35.76 | -112.20 | -76.44 | -57.00 | 19.44 | PK | Vertical | ERP |
| 5 | 432.315 | 27.85 | -103.77 | -75.92 | -57.00 | 18.92 | PK | Vertical | ERP |
| 6 | 898.905 | 27.55 | -92.46 | -64.91 | -57.00 | 7.91 | PK | Vertical | ERP |

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

| | | | |
|---|---|---|---|
| **Test Date**: | 2024-05-20 | **Tested By**: | Genliu |
| **EUT**: | Studio Monitor | **Model Number**: | EDF100081 |
| **Test Mode**: | BLE2M RX 2478MHz | **Power Supply**: | Battery |
| **Condition**: | Temp:22.4°C;Humi:63.3% | **Test Site**: | DDT 3# Chamber |
| **File Path**: | d:\ts\2024 report data\Q24041204-1E\CE BELOW 1G\11 | | |
| **Memo**: | Sample Number:S24041204-005 Power Setting:10 | | |

**Test Graph**



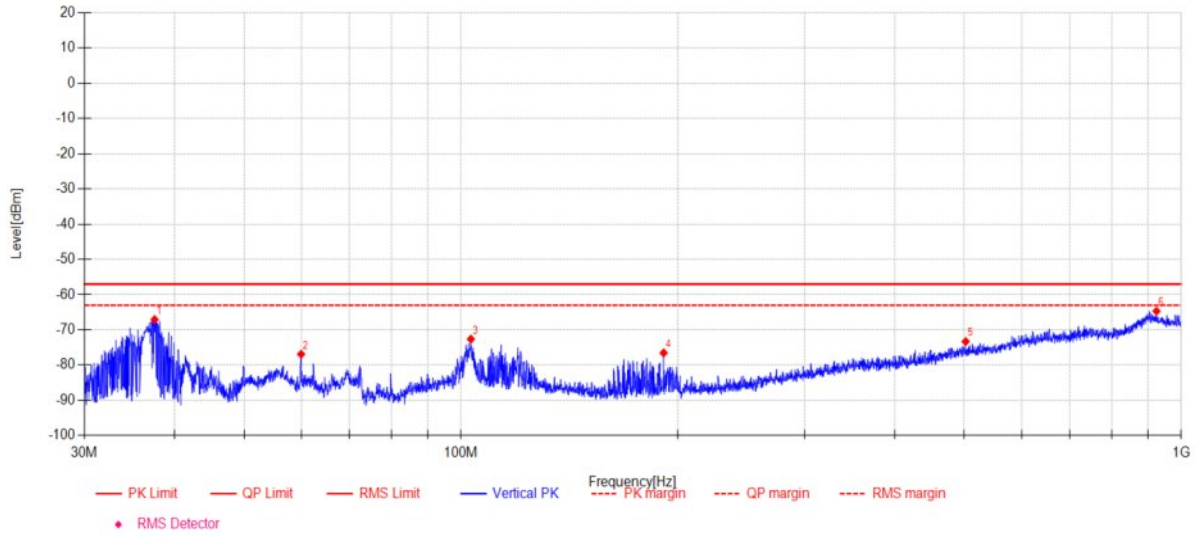

**Data List**

| NO. | Freq. [MHz] | Reading [dBµV/m] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Detector | Polarity | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 30.616 | 36.33 | -112.18 | -75.85 | -57.00 | 18.85 | PK | Horizontal | ERP |
| 2 | 38.237 | 33.87 | -110.62 | -76.75 | -57.00 | 19.75 | PK | Horizontal | ERP |
| 3 | 49.981 | 29.49 | -108.77 | -79.28 | -57.00 | 22.28 | PK | Horizontal | ERP |
| 4 | 102.191 | 29.64 | -114.15 | -84.51 | -57.00 | 27.51 | PK | Horizontal | ERP |
| 5 | 166.011 | 34.96 | -115.93 | -80.97 | -57.00 | 23.97 | PK | Horizontal | ERP |
| 6 | 946.114 | 27.15 | -94.61 | -67.46 | -57.00 | 10.46 | PK | Horizontal | ERP |

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

| | | | |
|---|---|---|---|
| **Test Date**: | 2024-05-20 | **Tested By**: | Genliu |
| **EUT**: | Studio Monitor | **Model Number**: | EDF100081 |
| **Test Mode**: | BLE2M RX 2478MHz | **Power Supply**: | Battery |
| **Condition**: | Temp:22.4°C;Humi:63.3% | **Test Site**: | DDT 3# Chamber |
| **File Path**: | d:\ts\2024 report data\Q24041204-1E\CE BELOW 1G\12 | | |
| **Memo**: | Sample Number:S24041204-005 Power Setting:10 | | |

**Test Graph**



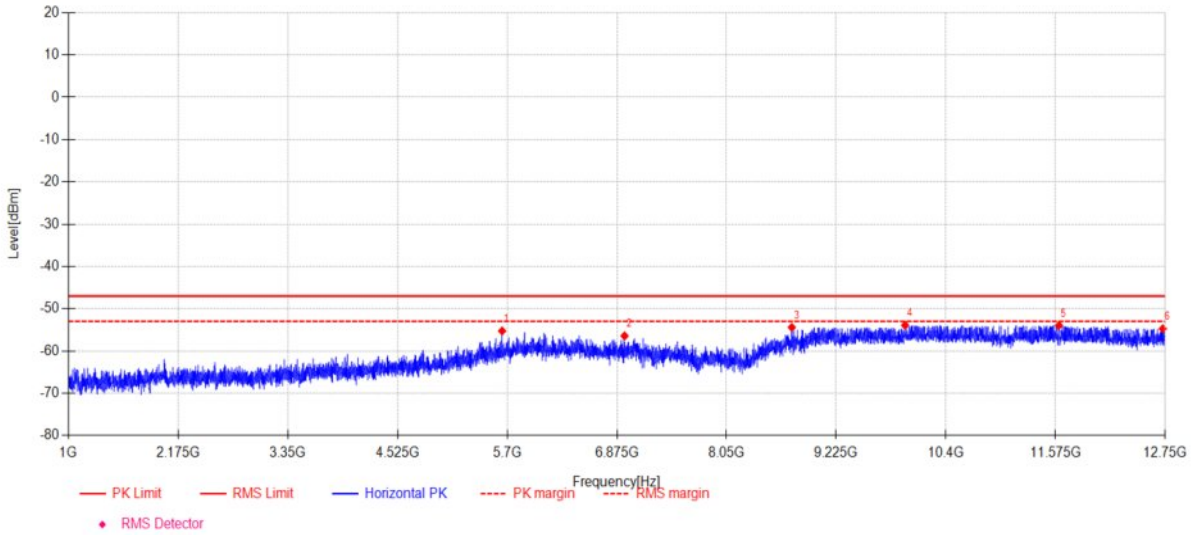

**Data List**

| NO. | Freq. [MHz] | Reading [dBµV/m] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Detector | Polarity | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 37.546 | 47.89 | -114.97 | -67.08 | -57.00 | 10.08 | PK | Vertical | ERP |
| 2 | 59.977 | 36.58 | -113.47 | -76.89 | -57.00 | 19.89 | PK | Vertical | ERP |
| 3 | 103.199 | 36.64 | -109.26 | -72.62 | -57.00 | 15.62 | PK | Vertical | ERP |
| 4 | 191.137 | 35.51 | -112.05 | -76.54 | -57.00 | 19.54 | PK | Vertical | ERP |
| 5 | 501.952 | 28.02 | -101.32 | -73.30 | -57.00 | 16.30 | PK | Vertical | ERP |
| 6 | 923.825 | 27.93 | -92.61 | -64.68 | -57.00 | 7.68 | PK | Vertical | ERP |

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

| | | | |
|---|---|---|---|
| **Test Date**: | 2024-06-15 | **Tested By**: | Genliu |
| **EUT**: | Studio Monitor | **Model Number**: | EDF100081 |
| **Test Mode**: | BLE1M RX 2402MHz | **Power Supply**: | Battery |
| **Condition**: | Temp:20.4°C;Humi:60.3% | **Test Site**: | DDT 3# Chamber |
| **File Path**: | d:\ts\2024 report data\Q24041204-1E\CE ABOVE 1G\23 | | |
| **Memo**: | Sample Number:S24041204-005 Power Setting:NA | | |

**Test Graph**

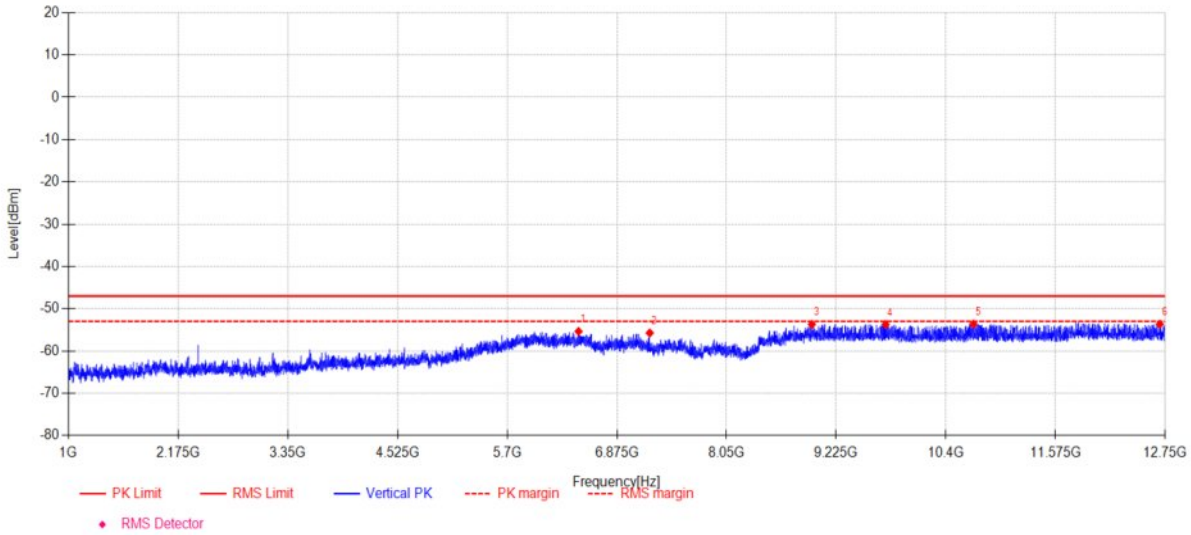



| Data List | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **NO.** | **Freq. [MHz]** | **Reading [dBµV/m]** | **Factor [dB]** | **Level [dBm]** | **Limit [dBm]** | **Margin [dB]** | **Detector** | **Polarity** | **Type** |
| 1 | 5645.950 | 40.56 | -95.82 | -55.26 | -47.00 | 8.26 | PK | Horizontal | EIRP |
| 2 | 6957.250 | 38.72 | -95.15 | -56.43 | -47.00 | 9.43 | PK | Horizontal | EIRP |
| 3 | 8749.125 | 36.90 | -91.30 | -54.40 | -47.00 | 7.40 | PK | Horizontal | EIRP |
| 4 | 9962.900 | 33.86 | -87.76 | -53.90 | -47.00 | 6.90 | PK | Horizontal | EIRP |
| 5 | 11611.425 | 34.55 | -88.50 | -53.95 | -47.00 | 6.95 | PK | Horizontal | EIRP |
| 6 | 12724.150 | 34.02 | -88.76 | -54.74 | -47.00 | 7.74 | PK | Horizontal | EIRP |

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss + Filter Factor - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

| | | | |
|---|---|---|---|
| **Test Date**: | 2024-06-15 | **Tested By**: | Genliu |
| **EUT**: | Studio Monitor | **Model Number**: | EDF100081 |
| **Test Mode**: | BLE1M RX 2402MHz | **Power Supply**: | Battery |
| **Condition**: | Temp:20.4°C;Humi:60.3% | **Test Site**: | DDT 3# Chamber |
| **File Path**: | d:\ts\2024 report data\Q24041204-1E\CE ABOVE 1G\24 | | |
| **Memo**: | Sample Number:S24041204-005 Power Setting:NA | | |

**Test Graph**



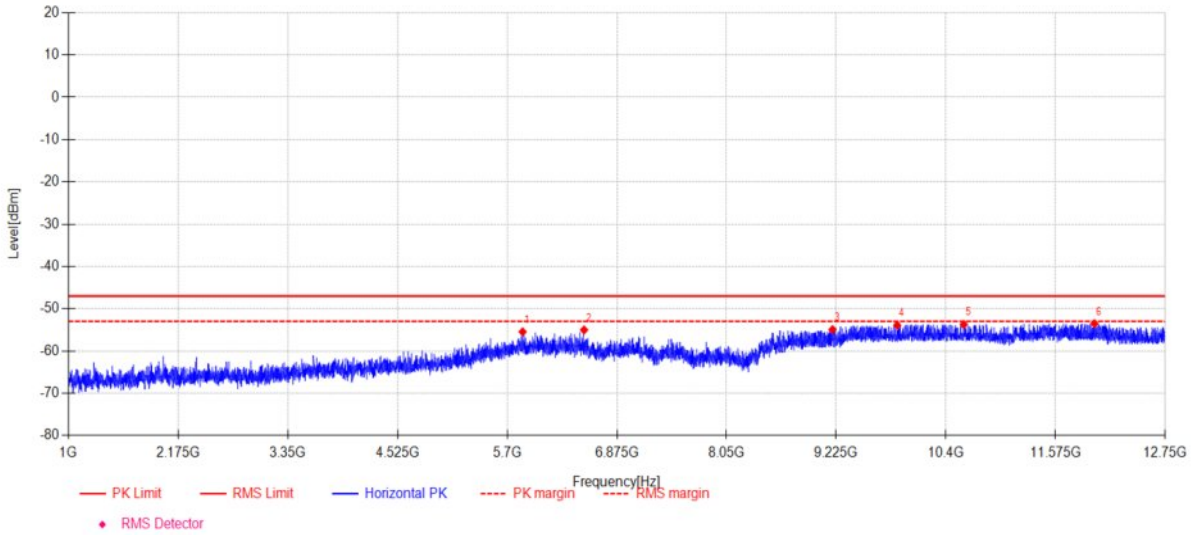

**Data List**

| NO. | Freq. [MHz] | Reading [dBµV/m] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Detector | Polarity | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 6464.925 | 39.36 | -94.73 | -55.37 | -47.00 | 8.37 | PK | Vertical | EIRP |
| 2 | 7227.500 | 39.72 | -95.45 | -55.73 | -47.00 | 8.73 | PK | Vertical | EIRP |
| 3 | 8964.150 | 36.49 | -90.20 | -53.71 | -47.00 | 6.71 | PK | Vertical | EIRP |
| 4 | 9753.750 | 34.90 | -88.63 | -53.73 | -47.00 | 6.73 | PK | Vertical | EIRP |
| 5 | 10693.750 | 34.13 | -87.76 | -53.63 | -47.00 | 6.63 | PK | Vertical | EIRP |
| 6 | 12691.250 | 34.78 | -88.44 | -53.66 | -47.00 | 6.66 | PK | Vertical | EIRP |

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss + Filter Factor - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

| | | | |
|---|---|---|---|
| **Test Date**: | 2024-06-15 | **Tested By**: | Genliu |
| **EUT**: | Studio Monitor | **Model Number**: | EDF100081 |
| **Test Mode**: | BLE1M RX 2480MHz | **Power Supply**: | Battery |
| **Condition**: | Temp:20.4°C;Humi:60.3% | **Test Site**: | DDT 3# Chamber |
| **File Path**: | d:\ts\2024 report data\Q24041204-1E\CE ABOVE 1G\25 | | |
| **Memo**: | Sample Number:S24041204-005 Power Setting:NA | | |

**Test Graph**



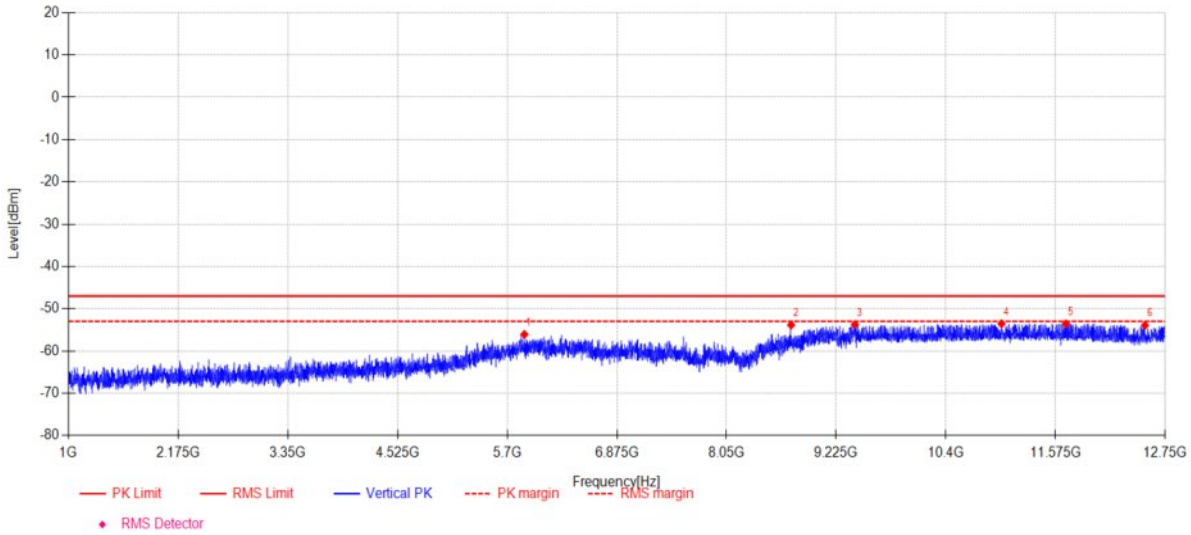

**Data List**

| NO. | Freq. [MHz] | Reading [dBµV/m] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Detector | Polarity | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 5865.675 | 39.38 | -94.84 | -55.46 | -47.00 | 8.46 | PK | Horizontal | EIRP |
| 2 | 6523.675 | 39.72 | -94.74 | -55.02 | -47.00 | 8.02 | PK | Horizontal | EIRP |
| 3 | 9185.050 | 34.36 | -89.29 | -54.93 | -47.00 | 7.93 | PK | Horizontal | EIRP |
| 4 | 9878.300 | 34.03 | -87.93 | -53.90 | -47.00 | 6.90 | PK | Horizontal | EIRP |
| 5 | 10591.525 | 34.70 | -88.42 | -53.72 | -47.00 | 6.72 | PK | Horizontal | EIRP |
| 6 | 11990.950 | 34.71 | -88.24 | -53.53 | -47.00 | 6.53 | PK | Horizontal | EIRP |

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss + Filter Factor - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

| | | | |
|---|---|---|---|
| **Test Date**: | 2024-06-15 | **Tested By**: | Genliu |
| **EUT**: | Studio Monitor | **Model Number**: | EDF100081 |
| **Test Mode**: | BLE1M RX 2480MHz | **Power Supply**: | Battery |
| **Condition**: | Temp:20.4°C;Humi:60.3% | **Test Site**: | DDT 3# Chamber |
| **File Path**: | d:\ts\2024 report data\Q24041204-1E\CE ABOVE 1G\26 | | |
| **Memo**: | Sample Number:S24041204-005 Power Setting:NA | | |

**Test Graph**



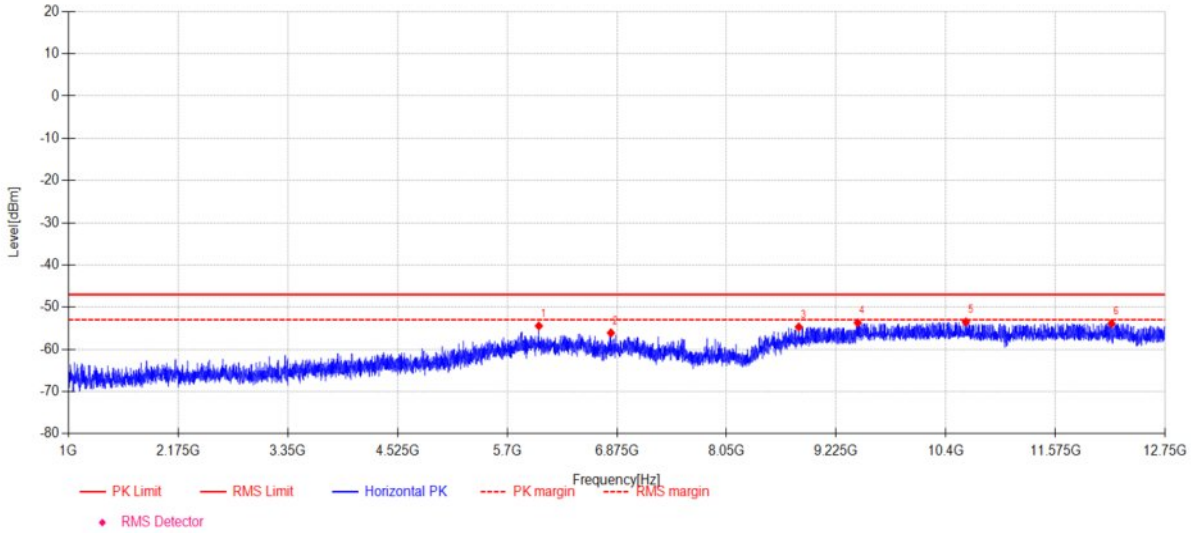

**Data List**

| NO. | Freq. [MHz] | Reading [dBµV/m] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Detector | Polarity | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 5884.475 | 38.71 | -94.79 | -56.08 | -47.00 | 9.08 | PK | Vertical | EIRP |
| 2 | 8742.075 | 37.64 | -91.49 | -53.85 | -47.00 | 6.85 | PK | Vertical | EIRP |
| 3 | 9424.750 | 35.47 | -89.22 | -53.75 | -47.00 | 6.75 | PK | Vertical | EIRP |
| 4 | 10995.725 | 33.99 | -87.56 | -53.57 | -47.00 | 6.57 | PK | Vertical | EIRP |
| 5 | 11685.450 | 34.05 | -87.64 | -53.59 | -47.00 | 6.59 | PK | Vertical | EIRP |
| 6 | 12532.625 | 34.34 | -88.27 | -53.93 | -47.00 | 6.93 | PK | Vertical | EIRP |

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss + Filter Factor - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

| | | | |
|---|---|---|---|
| **Test Date**: | 2024-06-15 | **Tested By**: | Genliu |
| **EUT**: | Studio Monitor | **Model Number**: | EDF100081 |
| **Test Mode**: | BLE2M RX 2404MHz | **Power Supply**: | Battery |
| **Condition**: | Temp:20.4°C;Humi:60.3% | **Test Site**: | DDT 3# Chamber |
| **File Path**: | d:\ts\2024 report data\Q24041204-1E\CE ABOVE 1G\31 | | |
| **Memo**: | Sample Number:S24041204-005 Power Setting:NA | | |

**Test Graph**



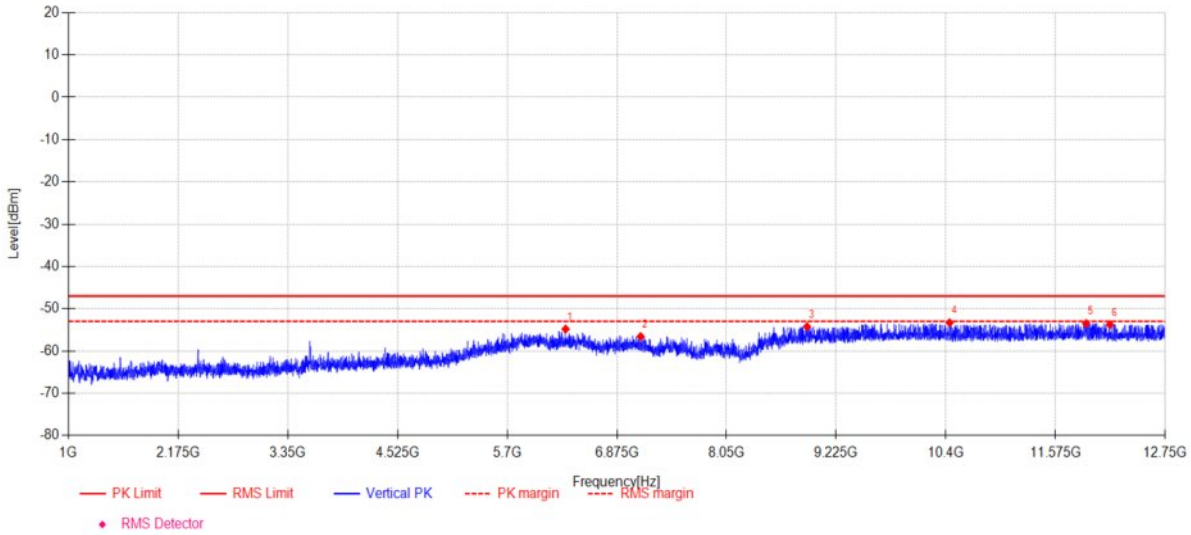

**Data List**

| NO. | Freq. [MHz] | Reading [dBµV/m] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Detector | Polarity | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 6039.575 | 39.84 | -94.28 | -54.44 | -47.00 | 7.44 | PK | Horizontal | EIRP |
| 2 | 6811.550 | 38.91 | -95.02 | -56.11 | -47.00 | 9.11 | PK | Horizontal | EIRP |
| 3 | 8824.325 | 36.11 | -90.80 | -54.69 | -47.00 | 7.69 | PK | Horizontal | EIRP |
| 4 | 9455.300 | 35.04 | -88.76 | -53.72 | -47.00 | 6.72 | PK | Horizontal | EIRP |
| 5 | 10613.850 | 34.93 | -88.44 | -53.51 | -47.00 | 6.51 | PK | Horizontal | EIRP |
| 6 | 12174.250 | 34.48 | -88.35 | -53.87 | -47.00 | 6.87 | PK | Horizontal | EIRP |

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss + Filter Factor - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

| | | | |
|---|---|---|---|
| **Test Date**: | 2024-06-15 | **Tested By**: | Genliu |
| **EUT**: | Studio Monitor | **Model Number**: | EDF100081 |
| **Test Mode**: | BLE2M RX 2404MHz | **Power Supply**: | Battery |
| **Condition**: | Temp:20.4°C;Humi:60.3% | **Test Site**: | DDT 3# Chamber |
| **File Path**: | d:\ts\2024 report data\Q24041204-1E\CE ABOVE 1G\32 | | |
| **Memo**: | Sample Number:S24041204-005 Power Setting:NA | | |

**Test Graph**



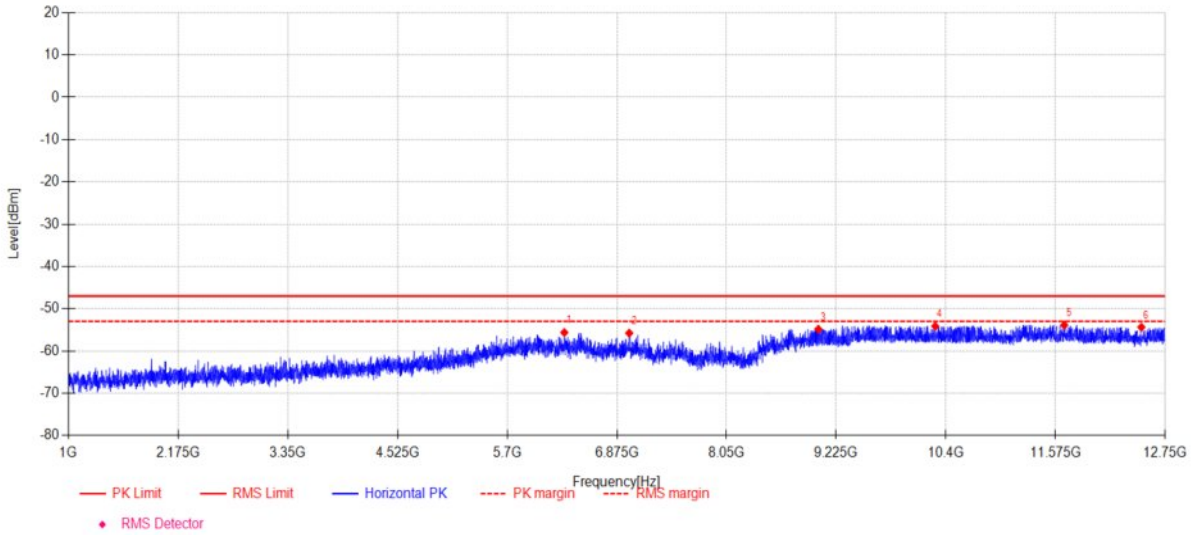

**Data List**

| NO. | Freq. [MHz] | Reading [dBµV/m] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Detector | Polarity | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 6326.275 | 39.76 | -94.57 | -54.81 | -47.00 | 7.81 | PK | Vertical | EIRP |
| 2 | 7129.975 | 38.81 | -95.39 | -56.58 | -47.00 | 9.58 | PK | Vertical | EIRP |
| 3 | 8912.450 | 36.27 | -90.51 | -54.24 | -47.00 | 7.24 | PK | Vertical | EIRP |
| 4 | 10439.950 | 34.61 | -87.91 | -53.30 | -47.00 | 6.30 | PK | Vertical | EIRP |
| 5 | 11901.650 | 34.17 | -87.66 | -53.49 | -47.00 | 6.49 | PK | Vertical | EIRP |
| 6 | 12156.625 | 34.09 | -87.86 | -53.77 | -47.00 | 6.77 | PK | Vertical | EIRP |

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss + Filter Factor - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

| | | | |
|---|---|---|---|
| **Test Date**: | 2024-06-15 | **Tested By**: | Genliu |
| **EUT**: | Studio Monitor | **Model Number**: | EDF100081 |
| **Test Mode**: | BLE2M RX 2478MHz | **Power Supply**: | Battery |
| **Condition**: | Temp:20.4°C;Humi:60.3% | **Test Site**: | DDT 3# Chamber |
| **File Path**: | d:\ts\2024 report data\Q24041204-1E\CE ABOVE 1G\33 | | |
| **Memo**: | Sample Number:S24041204-005 Power Setting:NA | | |

**Test Graph**



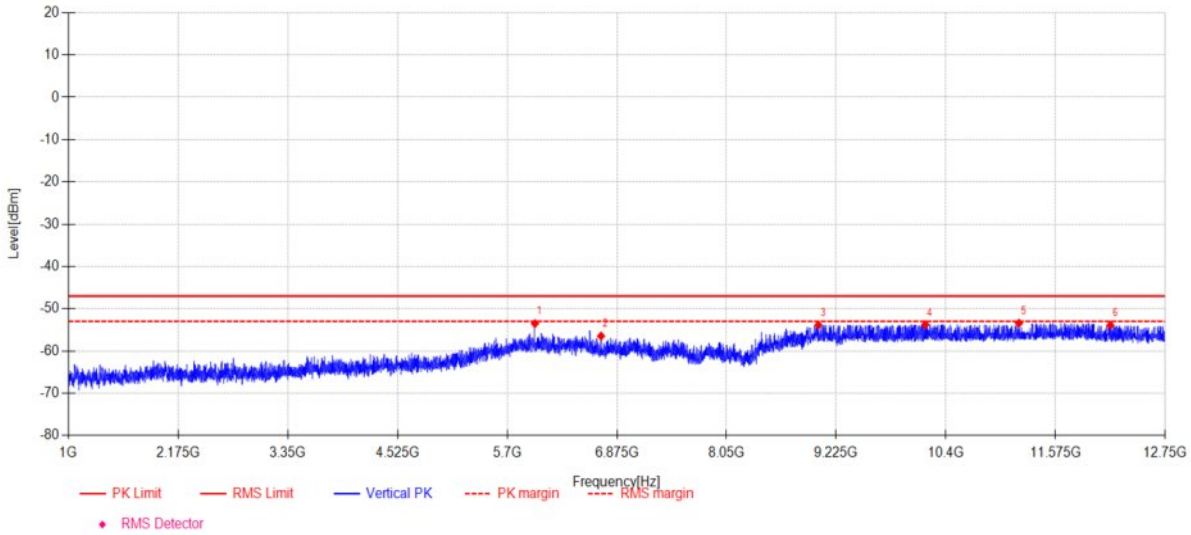

**Data List**

| NO. | Freq. [MHz] | Reading [dBµV/m] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Detector | Polarity | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 6312.175 | 38.92 | -94.54 | -55.62 | -47.00 | 8.62 | PK | Horizontal | EIRP |
| 2 | 7007.775 | 39.42 | -95.19 | -55.77 | -47.00 | 8.77 | PK | Horizontal | EIRP |
| 3 | 9033.475 | 34.75 | -89.59 | -54.84 | -47.00 | 7.84 | PK | Horizontal | EIRP |
| 4 | 10286.025 | 33.91 | -88.05 | -54.14 | -47.00 | 7.14 | PK | Horizontal | EIRP |
| 5 | 11667.825 | 34.58 | -88.45 | -53.87 | -47.00 | 6.87 | PK | Horizontal | EIRP |
| 6 | 12493.850 | 34.22 | -88.59 | -54.37 | -47.00 | 7.37 | PK | Horizontal | EIRP |

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss + Filter Factor - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

| | | | |
|---|---|---|---|
| **Test Date**: | 2024-06-15 | **Tested By**: | Genliu |
| **EUT**: | Studio Monitor | **Model Number**: | EDF100081 |
| **Test Mode**: | BLE2M RX 2478MHz | **Power Supply**: | Battery |
| **Condition**: | Temp:20.4°C;Humi:60.3% | **Test Site**: | DDT 3# Chamber |
| **File Path**: | d:\ts\2024 report data\Q24041204-1E\CE ABOVE 1G\34 | | |
| **Memo**: | Sample Number:S24041204-005 Power Setting:NA | | |

**Test Graph**




**Data List**

| NO. | Freq. [MHz] | Reading [dBµV/m] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Detector | Polarity | Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 5997.275 | 40.71 | -94.22 | -53.51 | -47.00 | 6.51 | PK | Vertical | EIRP |
| 2 | 6705.800 | 38.54 | -95.00 | -56.46 | -47.00 | 9.46 | PK | Vertical | EIRP |
| 3 | 9034.650 | 36.07 | -89.93 | -53.86 | -47.00 | 6.86 | PK | Vertical | EIRP |
| 4 | 10179.100 | 34.30 | -88.08 | -53.78 | -47.00 | 6.78 | PK | Vertical | EIRP |
| 5 | 11182.550 | 34.16 | -87.59 | -53.43 | -47.00 | 6.43 | PK | Vertical | EIRP |
| 6 | 12162.500 | 33.93 | -87.85 | -53.92 | -47.00 | 6.92 | PK | Vertical | EIRP |

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss + Filter Factor - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.