

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                     |                                                                                    |                                                                                                      |                                |                |              |         |                  |                 |                |  |                                           |                                                 |                       |                      |  |           |               |          |                  |                |          |  |                                            |                                            |                      |                  |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|--------------------------------|----------------|--------------|---------|------------------|-----------------|----------------|--|-------------------------------------------|-------------------------------------------------|-----------------------|----------------------|--|-----------|---------------|----------|------------------|----------------|----------|--|--------------------------------------------|--------------------------------------------|----------------------|------------------|--|
| <b>Prüfbericht-Nr.:</b><br><i>Test report no.:</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | CN26WDPI 001                                                                                        | <b>Auftrags-Nr.:</b><br><i>Order no.:</i>                                          | 48302781                                                                                             | Seite 1 von 29<br>Page 1 of 29 |                |              |         |                  |                 |                |  |                                           |                                                 |                       |                      |  |           |               |          |                  |                |          |  |                                            |                                            |                      |                  |  |
| <b>Kunden-Referenz-Nr.:</b><br><i>Client reference no.:</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | N/A                                                                                                 | <b>Auftragsdatum:</b><br><i>Order date:</i>                                        | 2026-03-11                                                                                           |                                |                |              |         |                  |                 |                |  |                                           |                                                 |                       |                      |  |           |               |          |                  |                |          |  |                                            |                                            |                      |                  |  |
| <b>Auftraggeber:</b><br><i>Client:</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | THINKAR PTE. LTD.<br>346C KING GEORGE'S AVENUE KING GEORGE'S BUILDING SINGAPORE                     |                                                                                    |                                                                                                      |                                |                |              |         |                  |                 |                |  |                                           |                                                 |                       |                      |  |           |               |          |                  |                |          |  |                                            |                                            |                      |                  |  |
| <b>Prüfgegenstand:</b><br><i>Test item:</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | AiPIN                                                                                               |                                                                                    |                                                                                                      |                                |                |              |         |                  |                 |                |  |                                           |                                                 |                       |                      |  |           |               |          |                  |                |          |  |                                            |                                            |                      |                  |  |
| <b>Bezeichnung / Typ-Nr.:</b><br><i>Identification / Type no.:</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | AP01                                                                                                |                                                                                    |                                                                                                      |                                |                |              |         |                  |                 |                |  |                                           |                                                 |                       |                      |  |           |               |          |                  |                |          |  |                                            |                                            |                      |                  |  |
| <b>Auftrags-Inhalt:</b><br><i>Order content:</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | FCC Part 15C Test report (BLE)                                                                      |                                                                                    |                                                                                                      |                                |                |              |         |                  |                 |                |  |                                           |                                                 |                       |                      |  |           |               |          |                  |                |          |  |                                            |                                            |                      |                  |  |
| <b>Prüfgrundlage:</b><br><i>Test specification:</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | FCC 47CFR Part 15: Subpart C Section 15.247                                                         |                                                                                    |                                                                                                      |                                |                |              |         |                  |                 |                |  |                                           |                                                 |                       |                      |  |           |               |          |                  |                |          |  |                                            |                                            |                      |                  |  |
| <b>Wareneingangsdatum:</b><br><i>Date of sample receipt:</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 2026-01-30                                                                                          |                                                                                    |                                                                                                      |                                |                |              |         |                  |                 |                |  |                                           |                                                 |                       |                      |  |           |               |          |                  |                |          |  |                                            |                                            |                      |                  |  |
| <b>Prüfmuster-Nr.:</b><br><i>Test sample no:</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | A004203544-004<br>A004203544-006                                                                    |                                                                                    |                                                                                                      |                                |                |              |         |                  |                 |                |  |                                           |                                                 |                       |                      |  |           |               |          |                  |                |          |  |                                            |                                            |                      |                  |  |
| <b>Prüfzeitraum:</b><br><i>Testing period:</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 2026-03-18 - 2026-04-08                                                                             |                                                                                    |                                                                                                      |                                |                |              |         |                  |                 |                |  |                                           |                                                 |                       |                      |  |           |               |          |                  |                |          |  |                                            |                                            |                      |                  |  |
| <b>Ort der Prüfung:</b><br><i>Place of testing:</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | TÜV Rheinland Taiwan Ltd.<br>New Taipei Branch                                                      |                                                                                    |                                                                                                      |                                |                |              |         |                  |                 |                |  |                                           |                                                 |                       |                      |  |           |               |          |                  |                |          |  |                                            |                                            |                      |                  |  |
| <b>Prüflaboratorium:</b><br><i>Testing laboratory:</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | TÜV Rheinland Taiwan Ltd.<br>Taipei Testing Laboratories                                            |                                                                                    |                                                                                                      |                                |                |              |         |                  |                 |                |  |                                           |                                                 |                       |                      |  |           |               |          |                  |                |          |  |                                            |                                            |                      |                  |  |
| <b>Prüfergebnis*:</b><br><i>Test result*:</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Pass                                                                                                |                                                                                    |                                                                                                      |                                |                |              |         |                  |                 |                |  |                                           |                                                 |                       |                      |  |           |               |          |                  |                |          |  |                                            |                                            |                      |                  |  |
| <b>zusammengestellt von:</b><br><i>compiled by:</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>genehmigt von:</b><br><i>authorized by:</i>                                                      |                                                                                    |                                                                                                      |                                |                |              |         |                  |                 |                |  |                                           |                                                 |                       |                      |  |           |               |          |                  |                |          |  |                                            |                                            |                      |                  |  |
| <b>Datum:</b><br><i>Date:</i> 2026-04-28                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <br>Flight Hsieh |                                                                                    | <br>Brenda Chen |                                |                |              |         |                  |                 |                |  |                                           |                                                 |                       |                      |  |           |               |          |                  |                |          |  |                                            |                                            |                      |                  |  |
| <b>Stellung / Position:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Project Engineer                                                                                    |                                                                                    | Senior Project Manager                                                                               |                                |                |              |         |                  |                 |                |  |                                           |                                                 |                       |                      |  |           |               |          |                  |                |          |  |                                            |                                            |                      |                  |  |
| <b>Sonstiges / Other:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                     |                                                                                    |                                                                                                      |                                |                |              |         |                  |                 |                |  |                                           |                                                 |                       |                      |  |           |               |          |                  |                |          |  |                                            |                                            |                      |                  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                     |                                                                                    |                                                                                                      |                                |                |              |         |                  |                 |                |  |                                           |                                                 |                       |                      |  |           |               |          |                  |                |          |  |                                            |                                            |                      |                  |  |
| <b>Zustand des Prüfgegenstandes bei Anlieferung:</b><br><i>Condition of the test item at delivery:</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                     | Prüfmuster vollständig und unbeschädigt<br><i>Test item complete and undamaged</i> |                                                                                                      |                                |                |              |         |                  |                 |                |  |                                           |                                                 |                       |                      |  |           |               |          |                  |                |          |  |                                            |                                            |                      |                  |  |
| <table><tr><td>* Legende:</td><td>1 = sehr gut</td><td>2 = gut</td><td>3 = befriedigend</td><td>4 = ausreichend</td><td>5 = mangelhaft</td></tr><tr><td></td><td>P(ass) = entspricht o.g. Prüfgrundlage(n)</td><td>F(ail) = entspricht nicht o.g. Prüfgrundlage(n)</td><td>N/A = nicht anwendbar</td><td>N/T = nicht getestet</td><td></td></tr><tr><td>* Legend:</td><td>1 = very good</td><td>2 = good</td><td>3 = satisfactory</td><td>4 = sufficient</td><td>5 = poor</td></tr><tr><td></td><td>P(ass) = passed a.m. test specification(s)</td><td>F(ail) = failed a.m. test specification(s)</td><td>N/A = not applicable</td><td>N/T = not tested</td><td></td></tr></table> |                                                                                                     |                                                                                    |                                                                                                      |                                | * Legende:     | 1 = sehr gut | 2 = gut | 3 = befriedigend | 4 = ausreichend | 5 = mangelhaft |  | P(ass) = entspricht o.g. Prüfgrundlage(n) | F(ail) = entspricht nicht o.g. Prüfgrundlage(n) | N/A = nicht anwendbar | N/T = nicht getestet |  | * Legend: | 1 = very good | 2 = good | 3 = satisfactory | 4 = sufficient | 5 = poor |  | P(ass) = passed a.m. test specification(s) | F(ail) = failed a.m. test specification(s) | N/A = not applicable | N/T = not tested |  |
| * Legende:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1 = sehr gut                                                                                        | 2 = gut                                                                            | 3 = befriedigend                                                                                     | 4 = ausreichend                | 5 = mangelhaft |              |         |                  |                 |                |  |                                           |                                                 |                       |                      |  |           |               |          |                  |                |          |  |                                            |                                            |                      |                  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | P(ass) = entspricht o.g. Prüfgrundlage(n)                                                           | F(ail) = entspricht nicht o.g. Prüfgrundlage(n)                                    | N/A = nicht anwendbar                                                                                | N/T = nicht getestet           |                |              |         |                  |                 |                |  |                                           |                                                 |                       |                      |  |           |               |          |                  |                |          |  |                                            |                                            |                      |                  |  |
| * Legend:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1 = very good                                                                                       | 2 = good                                                                           | 3 = satisfactory                                                                                     | 4 = sufficient                 | 5 = poor       |              |         |                  |                 |                |  |                                           |                                                 |                       |                      |  |           |               |          |                  |                |          |  |                                            |                                            |                      |                  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | P(ass) = passed a.m. test specification(s)                                                          | F(ail) = failed a.m. test specification(s)                                         | N/A = not applicable                                                                                 | N/T = not tested               |                |              |         |                  |                 |                |  |                                           |                                                 |                       |                      |  |           |               |          |                  |                |          |  |                                            |                                            |                      |                  |  |
| <b>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.</b><br><i>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.</i>                                                                                                                                                                                                                         |                                                                                                     |                                                                                    |                                                                                                      |                                |                |              |         |                  |                 |                |  |                                           |                                                 |                       |                      |  |           |               |          |                  |                |          |  |                                            |                                            |                      |                  |  |

Prüfbericht-Nr.:  
Test report no.:

CN26WDPI 001

Seite 2 von 29  
Page 2 of 29

## Anmerkungen Remarks

- |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>1</b> | <p>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.</p> <p>Detaillierte Informationen bezüglich Prüfkonditionen, Prüfequipment und Messunsicherheiten sind im Prüflabor vorhanden und können auf Wunsch bereitgestellt werden.</p> <p><i>The equipment used during the specified testing period was calibrated according to our test laboratory calibration program. The equipment fulfils the requirements included in the relevant standards. The traceability of the test equipment used is ensured by compliance with the regulations of our management system. Detailed information regarding test conditions, equipment and measurement uncertainty is available in the test laboratory and could be provided on request.</i></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>2</b> | <p>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. Informationen zur Verifizierung der Authentizität unserer Dokumente erhalten Sie auf folgender Webseite: <a href="https://go.tuv.com/digital-signature">go.tuv.com/digital-signature</a></p> <p><i>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. For information on verifying the authenticity of our documents, please visit the following website: <a href="https://go.tuv.com/digital-signature">go.tuv.com/digital-signature</a></i></p> |
| <b>3</b> | <p>Prüfklausel mit der Note * wurden an qualifizierte Unterauftragnehmer vergeben und sind unter der jeweiligen Prüfklausel des Berichts beschrieben.</p> <p>Abweichungen von Prüfspezifikation(en) oder Kundenanforderungen sind in der jeweiligen Prüfklausel im Bericht aufgeführt.</p> <p><i>Test clauses with remark of * are subcontracted to qualified subcontractors and described under the respective test clause in the report.</i></p> <p><i>Deviations of testing specification(s) or customer requirements are listed in specific test clause in the report.</i></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>4</b> | <p>Die Entscheidungsregel für Konformitätserklärungen basierend auf numerischen Messergebnissen in diesem Prüfbericht basiert auf der "Null-Grenzwert-Regel" und der "Einfachen Akzeptanz" gemäß ILAC G8:2019 und IEC Guide 115:2023, es sei denn, in der auf Seite 1 dieses Berichts genannten angewandten Norm ist etwas anderes festgelegt oder vom Kunden gewünscht. Dies bedeutet, dass die Messunsicherheit nicht berücksichtigt wird und daher auch nicht im Prüfbericht angegeben wird. Zu weiteren Informationen bezüglich des Risikos durch diese Entscheidungsregel siehe ILAC G8:2019.</p> <p><i>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 115:2023, 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.</i></p>                                                                                                                                                                                                                                                                                         |

Prüfbericht-Nr.: CN26WDPI 001  
Test report no.:Seite 3 von 29  
Page 3 of 29

## TEST SUMMARY

| Report Section | FCC Clause                  | Test Item                                   | Result |
|----------------|-----------------------------|---------------------------------------------|--------|
| 5.1.1          | 15.247(b) & 15.203          | Antenna Requirement                         | Pass   |
| 5.1.2          | 15.247(b)(3)                | Peak Output Power                           | Pass   |
| 5.1.3          | 15.247(a)(2)                | 6 dB Bandwidth                              | Pass   |
| 5.1.3          | 2.1049                      | 99% Occupied Bandwidth                      | Pass   |
| 5.1.4          | 15.247(e)                   | Power Spectral Density                      | Pass   |
| 5.1.5          | 15.247(d)                   | Conducted Spurious Emissions and Band Edges | Pass   |
| 5.1.6          | 15.247(d) & 15.205 & 15.209 | Radiated Spurious Emissions and Band Edges  | Pass   |
| 5.2.1          | 15.207                      | Mains Conducted Emission                    | Pass   |

**Note:** Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

**Prüfbericht-Nr.:** CN26WDPI 001  
**Test report no.:**

Seite 4 von 29  
Page 4 of 29

## Contents

|                                                                                                |           |
|------------------------------------------------------------------------------------------------|-----------|
| <b>HISTORY OF THIS TEST REPORT .....</b>                                                       | <b>6</b>  |
| <b>1. GENERAL REMARKS .....</b>                                                                | <b>7</b>  |
| <b>1.1 COMPLEMENTARY MATERIALS .....</b>                                                       | <b>7</b>  |
| <b>1.2 DECISION RULE OF CONFORMITY .....</b>                                                   | <b>7</b>  |
| <b>2. TEST SITES .....</b>                                                                     | <b>8</b>  |
| <b>2.1 TEST LABORATORY .....</b>                                                               | <b>8</b>  |
| <b>2.2 TEST FACILITY .....</b>                                                                 | <b>8</b>  |
| <b>2.3 TRACEABILITY .....</b>                                                                  | <b>9</b>  |
| <b>2.4 CALIBRATION .....</b>                                                                   | <b>9</b>  |
| <b>2.5 MEASUREMENT UNCERTAINTY .....</b>                                                       | <b>9</b>  |
| <b>3. GENERAL PRODUCT INFORMATION .....</b>                                                    | <b>10</b> |
| <b>3.1 PRODUCT FUNCTION AND INTENDED USE .....</b>                                             | <b>10</b> |
| <b>3.2 SYSTEM DETAILS AND RATINGS .....</b>                                                    | <b>10</b> |
| <b>3.3 NOISE GENERATING AND NOISE SUPPRESSING PARTS .....</b>                                  | <b>11</b> |
| <b>3.4 SUBMITTED DOCUMENTS .....</b>                                                           | <b>11</b> |
| <b>4. TEST SET-UP AND OPERATION MODES .....</b>                                                | <b>12</b> |
| <b>4.1 PRINCIPLE OF CONFIGURATION SELECTION .....</b>                                          | <b>12</b> |
| <b>4.2 CARRIER FREQUENCY AND CHANNEL .....</b>                                                 | <b>12</b> |
| <b>4.3 TEST OPERATION AND TEST SOFTWARE .....</b>                                              | <b>13</b> |
| <b>4.4 SPECIAL ACCESSORIES AND AUXILIARY EQUIPMENT .....</b>                                   | <b>14</b> |
| <b>4.5 TEST SETUP DIAGRAM .....</b>                                                            | <b>15</b> |
| <b>4.6 DUTY CYCLE OF TEST SIGNAL .....</b>                                                     | <b>16</b> |
| <b>5. TEST RESULTS .....</b>                                                                   | <b>17</b> |
| <b>5.1 TRANSMITTER REQUIREMENT &amp; TEST SUITES .....</b>                                     | <b>17</b> |
| 5.1.1 Antenna Requirement .....                                                                | 17        |
| 5.1.2 Peak Output Power .....                                                                  | 18        |
| 5.1.3 6 dB Bandwidth and 99% Occupied Bandwidth .....                                          | 20        |
| 5.1.4 Power Spectral Density .....                                                             | 21        |
| 5.1.5 Conducted Spurious Emissions and Frequency Band Edges Measured in 100kHz Bandwidth ..... | 22        |
| 5.1.6 Radiated Spurious Emissions and Band Edges .....                                         | 23        |
| <b>5.2 MAINS EMISSION .....</b>                                                                | <b>28</b> |
| 5.2.1 Mains Conducted Emission .....                                                           | 28        |

Prüfbericht-Nr.: **CN26WDPI 001**  
Test report no.:

Seite 5 von 29  
Page 5 of 29

**APPENDIX A - TEST RESULT OF CONDUCTED**

**APPENDIX B - TEST RESULT OF RADIATED EMISSIONS & MAINS CONDUCTED EMISSION**

**APPENDIX SP - PHOTOGRAPHS OF TEST SETUP**

**APPENDIX EP - PHOTOGRAPHS OF EUT**

Prüfbericht-Nr.: **CN26WDPI 001**  
Test report no.:

Seite 6 von 29  
Page 6 of 29

## HISTORY OF THIS TEST REPORT

| Revision | Description      | Date Issued |
|----------|------------------|-------------|
| R01      | Original Release | 2026-04-28  |

Prüfbericht-Nr.: CN26WDPI 001  
Test report no.:Seite 7 von 29  
Page 7 of 29

# 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 Result of Conducted**

**Appendix B - Test Result of Radiated Emissions & Mains Conducted Emission**

**Appendix SP - Photographs of Test Setup**

**Appendix EP - Photographs of EUT**

### Applied Standard and Test Levels

| Radio                                       |
|---------------------------------------------|
| FCC 47CFR Part 15: Subpart C Section 15.247 |
| FCC 47CFR Part 2: Subpart J Section 2.1049  |
| ANSI C63.10-2020                            |
| KDB 558074 D01 15.247 Meas Guidance v05r02  |

## 1.2 Decision Rule of Conformity

The decision rule of conformity of this test report is following the requirements of the requested standard in the quotation, and agreed among testing laboratory and manufacturer (applicant) to exclude the consideration of Measurement Uncertainty, unless it is required by the specific standard.

Prüfbericht-Nr.: **CN26WDPI 001**  
Test report no.:

Seite 8 von 29  
Page 8 of 29

## 2. Test Sites

### 2.1 Test Laboratory

TÜV Rheinland Taiwan Ltd. Taipei Testing Laboratories

11F. No.758, Sec. 4, Bade Rd., Songshan Dist.  
Taipei City 105  
Taiwan (R.O.C.)

### 2.2 Test Facility

TÜV Rheinland Taiwan Ltd. Taipei Testing Laboratories

No.458-18, Sec. 2, Fenliao Rd., Linkou Dist.,  
New Taipei City 244  
Taiwan (R.O.C.)  
FCC Registration No.: 180491 (TW3567)  
ISED Registration No.: 25563 (TW3567)

## 2.3 Traceability

All measurement equipment calibrations are traceable to NML(Taiwan)/NIST(USA) or where calibration is performed outside Taiwan, to equivalent nationally recognized standards organizations.

## 2.4 Calibration

Equipment requiring calibration is calibrated periodically in a suitably accredited Calibration Lab. Additionally all equipment is verified for proper performance on a regular basis using in house standards or comparisons.

## 2.5 Measurement Uncertainty

All measurement uncertainty values are shown with a coverage factor of  $k=2$  to indicate a 95% level of confidence.

### Emission Measurement Uncertainty

| Parameter                            | Uncertainty   |
|--------------------------------------|---------------|
| Radiated Emission (9 kHz ~ 30 MHz)   | $\pm 1.15$ dB |
| Radiated Emission (30 MHz ~ 200 MHz) | $\pm 1.32$ dB |
| Radiated Emission (200 MHz ~ 1 GHz)  | $\pm 1.31$ dB |
| Radiated Emission (1 GHz ~ 18 GHz)   | $\pm 1.53$ dB |
| Radiated Emission (18 GHz ~ 40 GHz)  | $\pm 2.50$ dB |
| Mains Conducted Emission             | $\pm 1.65$ dB |

### 3. General Product Information

#### 3.1 Product Function and Intended Use

The EUT is a AiPIN. It contains a Bluetooth compatible module enabling the user to communicate data through a Wireless interface.

For details refer to the User Guide, Data Sheet and Circuit Diagram.

#### 3.2 System Details and Ratings

##### Basic Information of EUT

| Item                        | EUT information |
|-----------------------------|-----------------|
| Kind of Equipment/Test Item | AiPIN           |
| Type Identification         | AP01            |
| FCC ID                      | 2BH88AIPINONE   |

##### Technical Specification of EUT

| Item                      | EUT information     |
|---------------------------|---------------------|
| Operating Frequency       | 2402 MHz ~ 2480 MHz |
| Channel Number            | 40                  |
| Data Rate                 | 1Mbps, 2Mbps        |
| Operation Voltage         | 3.7 Vdc             |
| Modulation                | GFSK                |
| Maximum Output Power (mW) | 4.62                |
| Antenna Information       | Refer to 5.1.1      |
| Accessory Device          | Refer to 4.4        |

Prüfbericht-Nr.: **CN26WDPI 001**  
Test report no.:

Seite 11 von 29  
Page 11 of 29

### 3.3 Noise Generating and Noise Suppressing Parts

Refer to the Circuit Diagram.

### 3.4 Submitted Documents

- Circuit Diagram
- Instruction Manual
- Rating Label
- Technical Description

## 4. Test Set-up and Operation Modes

### 4.1 Principle of Configuration Selection

The test modes were adapted accordingly in reference to the instructions for use.

During testing, Channel and Power Controlling Software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output expected by the customer and is going to be fixed on the firmware of the final end product.

**Table for Parameters of Test Software Setting**

| Frequency (MHz) | Power Setting |       |
|-----------------|---------------|-------|
|                 | 1Mbps         | 2Mbps |
| 2402            | 6             | 7     |
| 2440            | 6             | 7     |
| 2480            | 6             | 7     |

### 4.2 Carrier Frequency and Channel

| Channel | Freq. (MHz) | Channel | Freq. (MHz) | Channel | Freq. (MHz) | Channel | Freq. (MHz) |
|---------|-------------|---------|-------------|---------|-------------|---------|-------------|
| 0       | 2402        | 10      | 2422        | 20      | 2442        | 30      | 2462        |
| 1       | 2404        | 11      | 2424        | 21      | 2444        | 31      | 2464        |
| 2       | 2406        | 12      | 2426        | 22      | 2446        | 32      | 2466        |
| 3       | 2408        | 13      | 2428        | 23      | 2448        | 33      | 2468        |
| 4       | 2410        | 14      | 2430        | 24      | 2450        | 34      | 2470        |
| 5       | 2412        | 15      | 2432        | 25      | 2452        | 35      | 2472        |
| 6       | 2414        | 16      | 2434        | 26      | 2454        | 36      | 2474        |
| 7       | 2416        | 17      | 2436        | 27      | 2456        | 37      | 2476        |
| 8       | 2418        | 18      | 2438        | 28      | 2458        | 38      | 2478        |
| 9       | 2420        | 19      | 2440        | 29      | 2460        | 39      | 2480        |

**Prüfbericht-Nr.: CN26WDPI 001**  
**Test report no.:**

Seite 13 von 29  
Page 13 of 29

## 4.3 Test Operation and Test Software

Setup for testing: Test samples are provided with a USB interface which makes it possible to control them through a test software installed on a notebook computer.

This software was running on the laptop computer connected to the EUT. It was used to enable the operation modes listed as below.

|               |          |
|---------------|----------|
| Test Software | FCC_V3.0 |
|---------------|----------|

The samples were used as follows:

A004203544-004

A004203544-006

Full test was applied on all test modes, but only worst case was shown.

| EUT Configure Mode | Applicable To                      |                                         |                                         |                          | Description |
|--------------------|------------------------------------|-----------------------------------------|-----------------------------------------|--------------------------|-------------|
|                    | Antenna Port Conducted Measurement | Radiated Spurious Emissions above 1 GHz | Radiated Spurious Emissions below 1 GHz | Mains Conducted Emission |             |
| -                  | √                                  | √                                       | √                                       | √                        | -           |

Note:

1. The EUT had been pre-tested on the positioned of each 3 axis. The worst case was found when position on **Y-plane**.
2. "-" means no effect.

### Antenna Port Conducted Measurement

- ☒ Pre-Scan full test was applied on all test modes, but only worst case was shown.
- ☒ Following channel(s) was (were) selected for the final test as listed below.

| EUT Configure Mode | Available Frequency (MHz) | Tested Frequency (MHz) | Date Rate (Mbps) |
|--------------------|---------------------------|------------------------|------------------|
| -                  | 2402 to 2480              | 2402, 2440, 2480       | 1                |
| -                  | 2402 to 2480              | 2402, 2440, 2480       | 2                |

### Radiated Spurious Emissions (Above 1 GHz)

- ☒ Pre-Scan full test was applied on all test modes, but only worst case was shown.
- ☒ Following channel(s) was (were) selected for the final test as listed below.

| EUT Configure Mode | Available Frequency (MHz) | Tested Frequency (MHz) | Date Rate (Mbps) |
|--------------------|---------------------------|------------------------|------------------|
| -                  | 2402 to 2480              | 2402, 2440, 2480       | 1                |
| -                  | 2402 to 2480              | 2402, 2440, 2480       | 2                |

### Radiated Spurious Emissions (Below 1 GHz)

- ☒ Pre-Scan full test was applied on all test modes, but only worst case was shown.
- ☒ Following channel(s) was (were) selected for the final test as listed below.

| EUT Configure Mode | Available Frequency (MHz) | Tested Frequency (MHz) | Date Rate (Mbps) |
|--------------------|---------------------------|------------------------|------------------|
| EUT Standalone     | 2402 to 2480              | 2480                   | 1                |
| EUT with charger   | Charge mode               |                        |                  |

### Mains Conducted Emission

- ☒ Pre-Scan full test was applied on all test modes, but only worst case was shown.
- ☒ Following channel(s) was (were) selected for the final test as listed below.

| EUT Configure Mode | Description |
|--------------------|-------------|
| EUT with charger   | Charge mode |

**Prüfbericht-Nr.: CN26WDPI 001**  
**Test report no.:**

Seite 14 von 29  
Page 14 of 29

**Test Condition**

| Test Item                                  | Ambient Temperature | Relative Humidity | Tested by  |
|--------------------------------------------|---------------------|-------------------|------------|
| Conducted Measurement                      | 22.2-22.5 °C        | 60.5-60.7 %       | Blake Wang |
| Radiated Spurious Emissions<br>above 1 GHz | 24.6-26.2 °C        | 54-58 %           | Roger Liao |
| Radiated Spurious Emissions<br>below 1 GHz | 24.6-26.2 °C        | 54-58 %           | Roger Liao |
| Mains Conducted Emission                   | 23.1 °C             | 62 %              | Roger Liao |

## 4.4 Special Accessories and Auxiliary Equipment

The product has been tested together with the following additional accessories:

**Accessory of EUT**

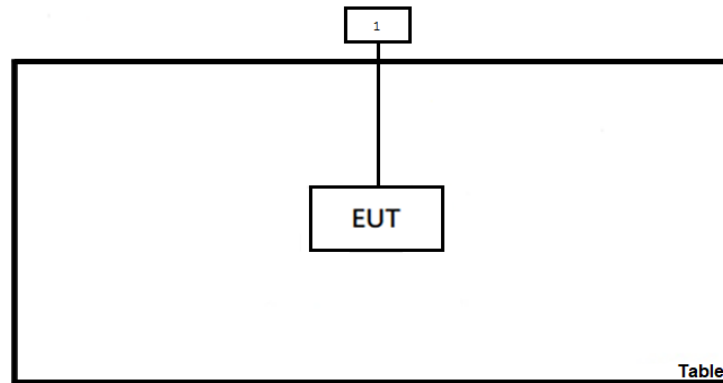
| No. | Product      | Brand   | Model       | Description |
|-----|--------------|---------|-------------|-------------|
| A   | Charge Stand | ThinkAR | AP01-Cradle | --          |
| B   | USB Cable    | ThinkAR | AP01-USB    | --          |

**Support Unit**

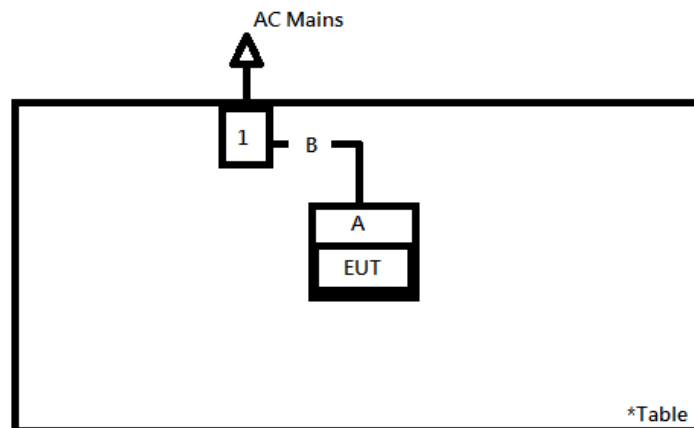
| Support Unit |                 |          |          |                       |          |                    |             |                  |
|--------------|-----------------|----------|----------|-----------------------|----------|--------------------|-------------|------------------|
| No           | Description     | Brand    | Model    | S/N                   | Shielded | Ferrite Core (Qty) | Length (cm) | Remark           |
| 1            | DC Power Supply | Gwinstek | GPS-3303 | -                     | -        | -                  | -           | EUT Standalone   |
| 1            | Adapter         | MI       | AD65GTW  | AD65GTW203<br>4009726 | -        | -                  | -           | EUT with charger |
| -            | Notebook        | HP       | TPN-Q222 | 5CD2206L9Y            | -        | -                  | -           | --               |
| -            | UART            | JIN HUA  | CP2102   | NA                    | -        | -                  | -           | --               |
| -            | USB Cable       | TUV      | TUV-05   | 1                     | NO       | NO                 | 150         | --               |

## 4.5 Test Setup Diagram

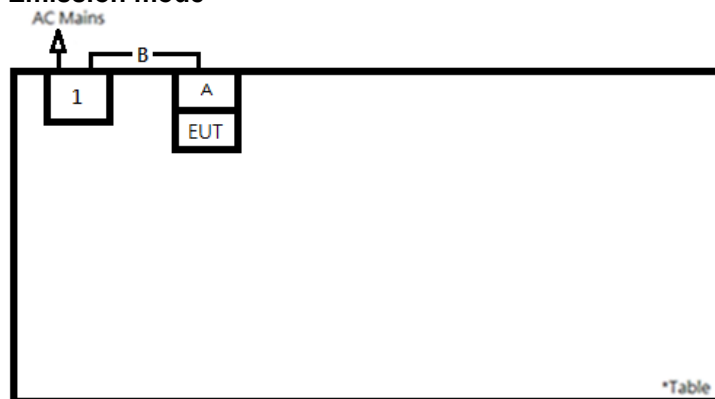
<Radiated Spurious Emissions mode>  
**EUT Standalone**



**EUT with charger**



<Mains Conducted Emission mode>

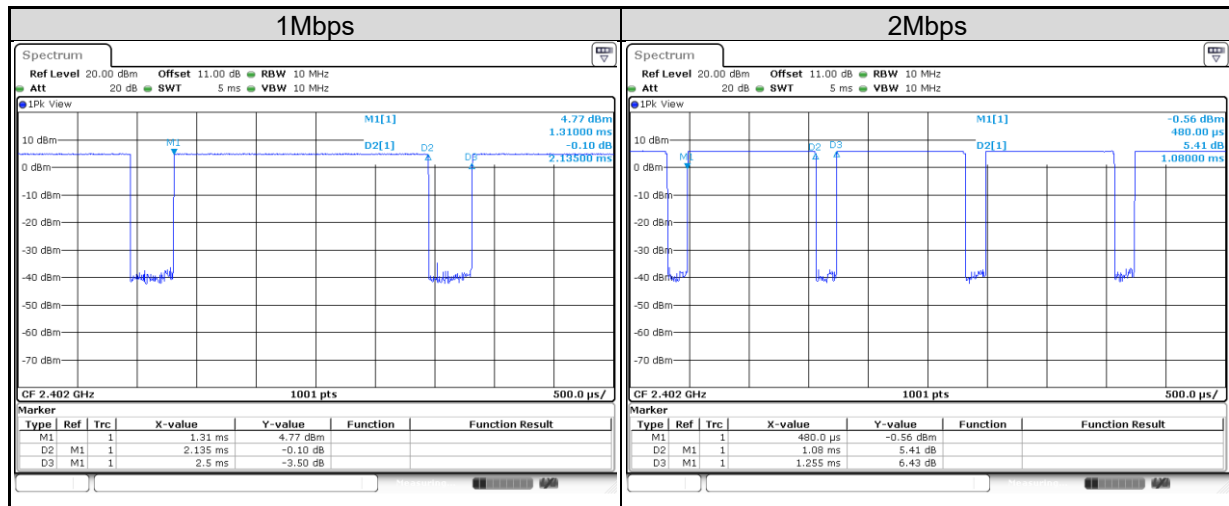


Prüfbericht-Nr.: **CN26WDPI 001**  
Test report no.:

Seite 16 von 29  
Page 16 of 29

## 4.6 Duty Cycle of Test Signal

| Mode  | On + Off Time (ms) | On Time (ms) | Duty Cycle (%) | Duty Factor (dB) |
|-------|--------------------|--------------|----------------|------------------|
| 1Mbps | 2.500              | 2.135        | 85.40          | 0.69             |
| 2Mbps | 1.255              | 1.080        | 86.06          | 0.65             |



Prüfbericht-Nr.: CN26WDPI 001  
Test report no.:Seite 17 von 29  
Page 17 of 29

## 5. Test Results

### 5.1 Transmitter Requirement & Test Suites

#### 5.1.1 Antenna Requirement

**Requirement** Use of approved antennas only

According to the manufacturer declaration, the EUT has an antenna with a directional gain of 3.98 dBi. The antenna is PIFA antenna with no possibility of replacement with a non-approved antenna by the end-user. Therefore, the EUT is considered to comply with this provision.  
Refer to EUT photo for details.

Prüfbericht-Nr.: **CN26WDPI 001**  
Test report no.:

Seite 18 von 29  
Page 18 of 29

## 5.1.2 Peak Output Power

Limit 1 watt (30 dBm)

Kind of Test Site Shielded room

### Test Setup



### Test Instruments

| Kind of Equipment | Manufacturer | Type    | S/N     | Calibration Date | Calibration Due Date | Test Date  |            |
|-------------------|--------------|---------|---------|------------------|----------------------|------------|------------|
|                   |              |         |         |                  |                      | From       | Until      |
| Power Meter       | Anritsu      | ML2495A | 1901008 | 2026/02/24       | 2027/02/23           | 2026/03/18 | 2026/03/18 |
| Power Sensor      | Anritsu      | MA2411B | 1725269 | 2026/02/24       | 2027/02/23           | 2026/03/18 | 2026/03/18 |

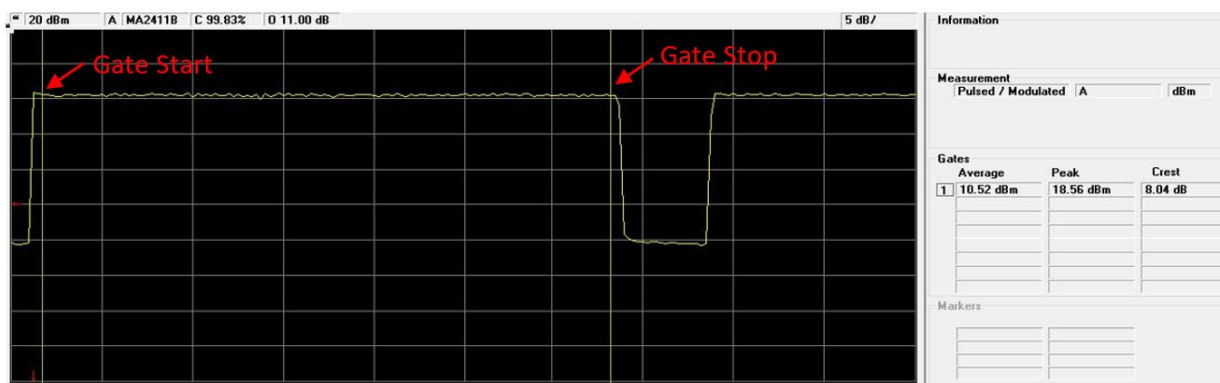
### Test Procedures

A peak power sensor was used on the output port of the EUT. A power meter was used to read the response of the peak power sensor. Record the power level.

Average power sensor was used to perform output power measurement, trigger and gating function of wide band power meter is enabled to measure max output power of TX on burst. Duty factor is not added to measured value.

Gate Setup:

1. Select the [Gates] tab in the software.
2. Check the box (e.g., Gate 1) to display it on the trace.
3. Set Gate Position
  - Drag the gate line with the mouse to the desired point on the waveform, or
  - Enter Values using the [Set] button and input start/stop times.
4. Switch to the next measurement channel and repeat the same gate setup procedure.
5. The instrument calculates average/peak power only within the defined gate interval.



**Prüfbericht-Nr.: CN26WDPI 001**  
**Test report no.:**

Seite 19 von 29  
Page 19 of 29

**Test Result**
**Peak Output Power**
**<1Mbps>**

| Channel        | Channel Frequency | Peak Output Power |      | Limit (dBm) |
|----------------|-------------------|-------------------|------|-------------|
|                | (MHz)             | (dBm)             | (mW) |             |
| Low Channel    | 2402              | 5.56              | 3.60 | 30          |
| Middle Channel | 2440              | 5.61              | 3.64 | 30          |
| High Channel   | 2480              | 5.53              | 3.57 | 30          |

**<2Mbps>**

| Channel        | Channel Frequency | Peak Output Power |      | Limit (dBm) |
|----------------|-------------------|-------------------|------|-------------|
|                | (MHz)             | (dBm)             | (mW) |             |
| Low Channel    | 2402              | 6.64              | 4.61 | 30          |
| Middle Channel | 2440              | 6.62              | 4.59 | 30          |
| High Channel   | 2480              | 6.65              | 4.62 | 30          |

**Average Power**
**<1Mbps>**

| Channel        | Channel Frequency | Average Power |      |
|----------------|-------------------|---------------|------|
|                | (MHz)             | (dBm)         | (mW) |
| Low Channel    | 2402              | 5.33          | 3.41 |
| Middle Channel | 2440              | 5.37          | 3.44 |
| High Channel   | 2480              | 5.26          | 3.36 |

**<2Mbps>**

| Channel        | Channel Frequency | Average Power |      |
|----------------|-------------------|---------------|------|
|                | (MHz)             | (dBm)         | (mW) |
| Low Channel    | 2402              | 5.97          | 3.95 |
| Middle Channel | 2440              | 5.95          | 3.94 |
| High Channel   | 2480              | 5.99          | 3.97 |

**Prüfbericht-Nr.:** **CN26WDPI 001**  
**Test report no.:**

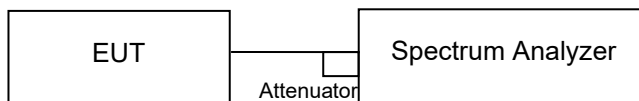
Seite 20 von 29  
Page 20 of 29

### 5.1.3 6 dB Bandwidth and 99% Occupied Bandwidth

**Limit** The minimum 6 dB bandwidth shall be at least 500 kHz.

**Kind of Test Site** Shielded room

#### Test Setup



#### Test Instruments

| Kind of Equipment | Manufacturer | Type | S/N    | Calibration Date | Calibration Due Date | Test Date  |            |
|-------------------|--------------|------|--------|------------------|----------------------|------------|------------|
|                   |              |      |        |                  |                      | From       | Until      |
| Spectrum Analyzer | R&S          | FSV  | 101512 | 2026/02/24       | 2027/02/23           | 2026/03/18 | 2026/03/18 |

#### Test Procedure

- Set resolution bandwidth (RBW) = 100 kHz
- Set the video bandwidth (VBW)  $\geq 3 \times$  RBW, Detector = Peak.
- Trace mode = max hold.
- Sweep = auto couple.
- Measure the maximum width of the emission that is constrained by the frequencies associated with the two amplitude points (upper and lower) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.
- For 99% occupied bandwidth measurement, the transmitter output was connected to the spectrum analyzer through an attenuator. The bandwidth of the fundamental frequency was measured by spectrum analyzer with resolution bandwidth in the range of 1% to 5% of the anticipated emission bandwidth, and a video bandwidth at least 3x the resolution bandwidth and set the detector to PEAK. The width of a frequency band such that, below the lower and above the upper frequency limits, the mean powers emitted are each equal to a specified percentage 0.5% of the total mean power of a given emission.

#### Test Results

Please refer to Appendix A.

**Prüfbericht-Nr.: CN26WDPI 001**  
**Test report no.:**

Seite 21 von 29  
Page 21 of 29

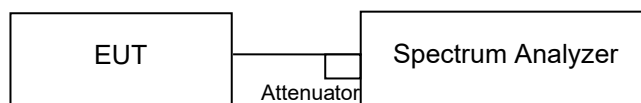
## 5.1.4 Power Spectral Density

### Limit

The power spectral density shall not be greater than 8 dBm in any 3 kHz band.

**Kind of Test Site**                      Shielded room

### Test Setup



### Test Instruments

| Kind of Equipment | Manufacturer | Type | S/N    | Calibration Date | Calibration Due Date | Test Date  |            |
|-------------------|--------------|------|--------|------------------|----------------------|------------|------------|
|                   |              |      |        |                  |                      | From       | Until      |
| Spectrum Analyzer | R&S          | FSV  | 101512 | 2026/02/24       | 2027/02/23           | 2026/03/18 | 2026/03/18 |

### Test Procedure

- Set analyzer center frequency to DTS channel center frequency.
- Set the span to 1.5 times the DTS bandwidth.
- Set the RBW to:  $3 \text{ kHz} \leq \text{RBW} \leq 100 \text{ kHz}$ .
- Set the VBW  $\geq 3 \times \text{RBW}$ .
- Detector = peak.
- Sweep time = auto couple.
- Trace mode = max hold.
- Allow trace to fully stabilize.
- Use the peak marker function to determine the maximum amplitude level within the RBW.

### Test Results

Please refer to Appendix A.

**Prüfbericht-Nr.: CN26WDPI 001**  
**Test report no.:**

Seite 22 von 29  
 Page 22 of 29

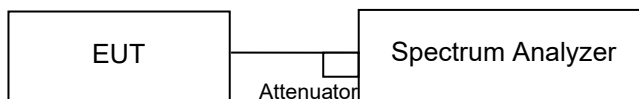
## 5.1.5 Conducted Spurious Emissions and Frequency Band Edges Measured in 100kHz Bandwidth

### Limit

20dB (below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power.)

**Kind of Test Site**                      Shielded room

### Test Setup



### Test Instruments

| Kind of Equipment | Manufacturer | Type | S/N    | Calibration Date | Calibration Due Date | Test Date  |            |
|-------------------|--------------|------|--------|------------------|----------------------|------------|------------|
|                   |              |      |        |                  |                      | From       | Until      |
| Spectrum Analyzer | R&S          | FSV  | 101512 | 2026/02/24       | 2027/02/23           | 2026/03/18 | 2026/03/18 |

### Test Procedure

Measurement procedure REF

1. Set the RBW = 100 kHz.
2. Set the VBW  $\geq$  300 kHz.
3. Detector = peak.
4. Sweep time = auto couple.
5. Trace mode = max hold.
6. Allow trace to fully stabilize.
7. Use the peak marker function to determine the maximum power level in any 100 kHz band segment within the fundamental EBW.

Measurement procedure OOBE

1. Set RBW = 100 kHz.
2. Set VBW  $\geq$  300 kHz.
3. Detector = peak.
4. Sweep = auto couple.
5. Trace Mode = max hold.
6. Allow trace to fully stabilize.
7. Use the peak marker function to determine the maximum amplitude level.

### Test Results

Please refer to Appendix A.

## 5.1.6 Radiated Spurious Emissions and Band Edges

### Limit

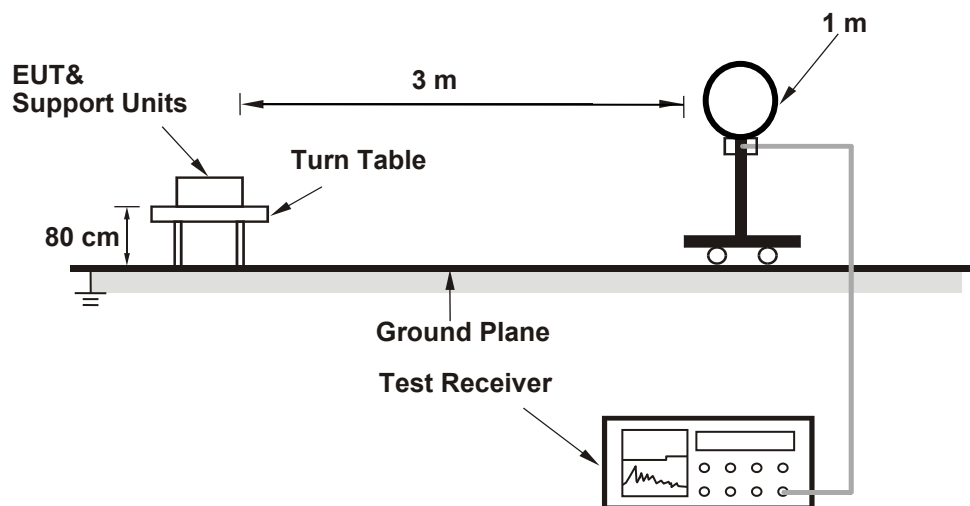
Radiated emissions which fall in the restricted bands, as defined in §15.205(a), must comply with the radiated emission limits specified in §15.209(a).

Emissions radiated outside the restricted and authorized frequency bands must either comply with the radiated emission limits specified for the restricted bands or in §15.247(d).

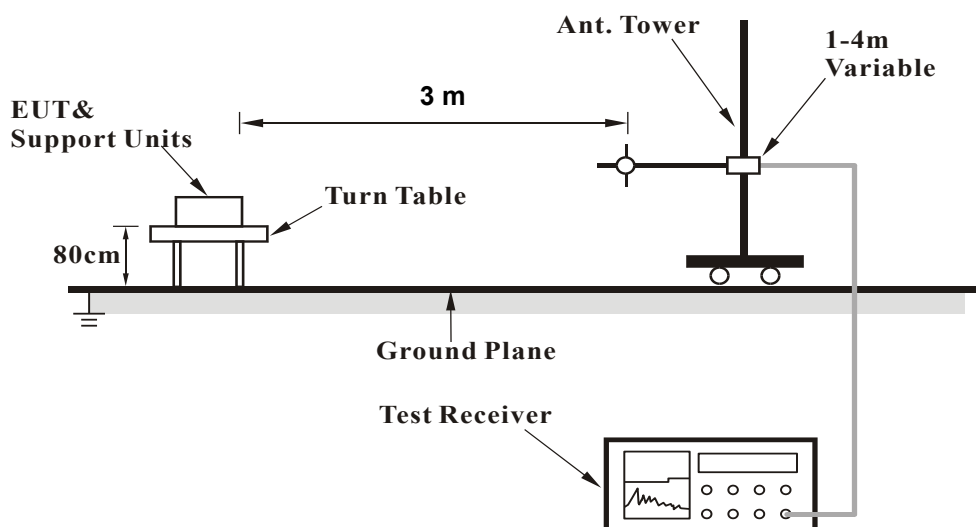
**Kind of Test Site** 3m Semi-Anechoic Chamber

### Test Setup

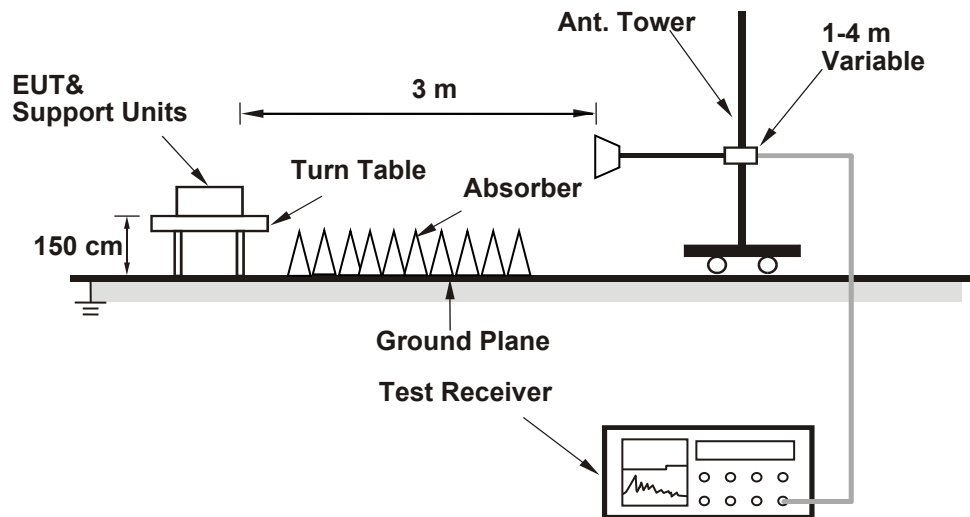
#### <Radiated Emissions below 30 MHz>



#### <Radiated Emissions 30 MHz to 1 GHz>



**<Radiated Emissions above 1 GHz>**



For the actual test configuration, please refer to the attached file (Test Setup Photo).

**Prüfbericht-Nr.: CN26WDPI 001**  
**Test report no.:**

Seite 25 von 29  
Page 25 of 29

**Test Instruments**

Test Period: 2026-04-07

| Kind of Equipment   | Manufacturer | Type                | S/N          | Calibration Date | Calibration Due Date |
|---------------------|--------------|---------------------|--------------|------------------|----------------------|
| Above 1 GHz         |              |                     |              |                  |                      |
| Signal Analyzer     | R&S          | FSV40               | 101508       | 2025/4/29        | 2026/4/28            |
| Horn Antenna        | ETS-Lindgren | 3117                | 00218929     | 2025/11/20       | 2026/11/19           |
| Horn Antenna        | SCHWARZBECK  | BBHA 9170           | 00890        | 2025/4/30        | 2026/4/29            |
| HF-AMP + AC source  | EMCI         | EMC051845SE         | 980633       | 2026/1/15        | 2027/1/14            |
| HF-AMP + AC source  | EMCI         | EMC051845SE         | 980656       | 2026/1/15        | 2027/1/14            |
| Microwave Cable     | EMCI         | EM102A-KMKM-700     | 504231101002 | 2025/5/23        | 2026/5/22            |
| Microwave Cable     | HUBER+SUHNER | SUCOFLEX 102EA      | 800902/2EA   | 2025/6/6         | 2026/6/5             |
| Microwave Cable     | HUBER+SUHNER | SUCOFLEX 102EA      | 801026/2EA   | 2025/6/6         | 2026/6/5             |
| 3G High Pass Filter | EMCI         | ZHPF3180            | 08223315     | 2025/12/18       | 2026/12/17           |
| 7G High Pass Filter | EMCI         | ZHPF3180            | 08223317     | 2025/5/27        | 2026/5/26            |
| Test Software       | Audix E3     | 15914a_20191106_tuv | PK-001087    | N/A              | N/A                  |
| 30 MHz ~ 1 GHz      |              |                     |              |                  |                      |
| Receiver            | R&S          | ESR7                | 102109       | 2026/02/04       | 2027/02/03           |
| Bilog Antenna       | SCHWARZBECK  | VULB-9168           | 00951        | 2025/04/08       | 2026/04/07           |
| LF-AMP              | Agilent      | 8447D               | 2727A05146   | 2026/01/15       | 2027/01/14           |
| Microwave Cable     | EMCI         | RG 214 U/2*11N/7M   | 24038601     | 2026/02/25       | 2027/02/24           |
| Microwave Cable     | HUBER+SUHNER | SUCOFLEX 104        | 802244/4     | 2026/02/25       | 2027/02/24           |
| Microwave Cable     | HUBER+SUHNER | SUCOFLEX 104        | MY37203/4    | 2026/02/25       | 2027/02/24           |
| Test Software       | Audix E3     | 15914a_20191106_tuv | PK-001087    | N/A              | N/A                  |

**Test Procedures****For Radiated Emissions below 30 MHz**

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter chamber room. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. Parallel (OPEN), perpendicular (CLOSE), and ground-parallel (GROUND) orientations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Quasi-Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

## Note:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 9 kHz at frequency below 30 MHz.
2. All modes of operation were investigated and the worst-case emissions are reported.

**For Radiated Emissions above 30 MHz**

- a. The EUT was placed on the top of a rotating table 0.8 meters (for 30 MHz ~ 1 GHz) / 1.5 meters (for above 1 GHz) above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1 GHz.
- f. The test-receiver system was set to peak and average detected function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz. If the peak reading value also meets average limit, measurement with the average detector is unnecessary.

## Note:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120 kHz for Quasi-peak detection (QP) or Peak detection (PK) at frequency below 1 GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for Peak detection (PK) at frequency above 1 GHz.
3. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is  $\geq 1/T$  (Duty cycle  $< 98\%$ ) or 10 Hz (Duty cycle  $\geq 98\%$ ) for Average detection (AV) at frequency above 1 GHz.
4. All modes of operation were investigated and the worst-case emissions are reported.
5. The Radiated Emissions testing was performed in the X(E1), Y(H) and Z(E2) axis orientation. The worst-case Axis orientation is recorded in this test report.
6. The emission levels of other frequencies (including the 10th harmonic of the highest fundamental frequency) are very lower than the limit and are not shown in the test report.

**Prüfbericht-Nr.:** CN26WDPI 001  
**Test report no.:**

Seite 27 von 29  
Page 27 of 29

#### Test Results

Factor (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) – Amplifier (dB)

Level (dBuV/m) = Reading (dBuV) + Factor (dB/m)

Please refer to Appendix B.

Note: The emission levels were very low against the limit of frequency range 9kHz~30MHz: the amplitude of spurious emissions attenuated at least 20 dB below the permissible value to be reported.

Prüfbericht-Nr.: CN26WDPI 001  
Test report no.:

Seite 28 von 29  
Page 28 of 29

## 5.2 Mains Emission

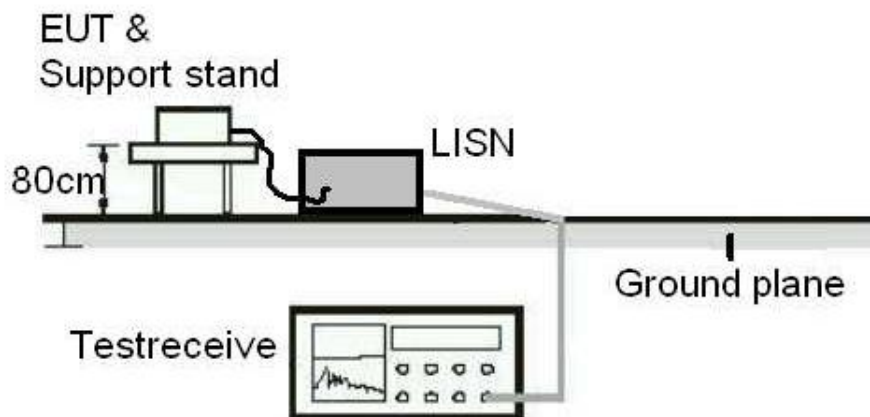
### 5.2.1 Mains Conducted Emission

#### Limit

Mains Conducted Emission as defined in §15.207 must comply with the mains conducted emission limits.

Kind of Test Site Shielded room

#### Test Setup



#### Test Instruments

| Kind of Equipment  | Manufacturer | Type      | S/N        | Calibration Date | Calibration Due Date |
|--------------------|--------------|-----------|------------|------------------|----------------------|
| Two-Line V-Network | SCHWARZBECK  | NSLK 8127 | 8127-00976 | 2026/01/07       | 2027/01/06           |
| EMI Test Receiver  | R&S          | ESCI      | 101094     | 2025/11/19       | 2026/11/18           |

Prüfbericht-Nr.: **CN26WDPI 001**  
Test report no.:

Seite 29 von 29  
Page 29 of 29

#### Test Procedures

- a. The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/50 uH of coupling impedance for the measuring instrument.
- b. Both lines of the power mains connected to the EUT were checked for maximum conducted interference.
- c. The frequency range from 150 kHz to 30 MHz was searched. Emission levels under (Limit – 20 dB) was not recorded.

Note: The resolution bandwidth and video bandwidth of test receiver is 9 kHz for quasi-peak detection (QP) and average detection (AV) at frequency 0.15 MHz – 30 MHz.

#### Test Results

Please refer to Appendix B.

**BLE\_1M**

### Low Channel

Spectrum

Ref Level 20.00 dBm Offset 11.00 dB RBW 100 kHz  
Att 20 dB SWT 19 μs VBW 300 kHz Mode Auto FFT

1Pk View

CF 2.402 GHz 1001 pts Span 5.0 MHz

| Type | Ref | Trc | X-value        | Y-value   | Function | Function Result |
|------|-----|-----|----------------|-----------|----------|-----------------|
| M1   | 1   | 1   | 2.40166034 GHz | -1.56 dBm |          |                 |
| D2   | M1  | 1   | 669.33 kHz     | 0.54 dB   |          |                 |
| M3   | 1   | 1   | 2.4017502 GHz  | 4.53 dBm  |          |                 |

### Middle Channel

Spectrum

Ref Level 20.00 dBm Offset 11.00 dB RBW 100 kHz  
Att 20 dB SWT 19 μs VBW 300 kHz Mode Auto FFT

1Pk View

CF 2.44 GHz 1001 pts Span 5.0 MHz

| Type | Ref | Trc | X-value        | Y-value   | Function | Function Result |
|------|-----|-----|----------------|-----------|----------|-----------------|
| M1   | 1   | 1   | 2.43966533 GHz | -1.41 dBm |          |                 |
| D2   | M1  | 1   | 669.33 kHz     | 0.16 dB   |          |                 |
| M3   | 1   | 1   | 2.4397502 GHz  | 4.59 dBm  |          |                 |

### High Channel

Spectrum

Ref Level 20.00 dBm Offset 11.00 dB RBW 100 kHz  
Att 20 dB SWT 19 μs VBW 300 kHz Mode Auto FFT

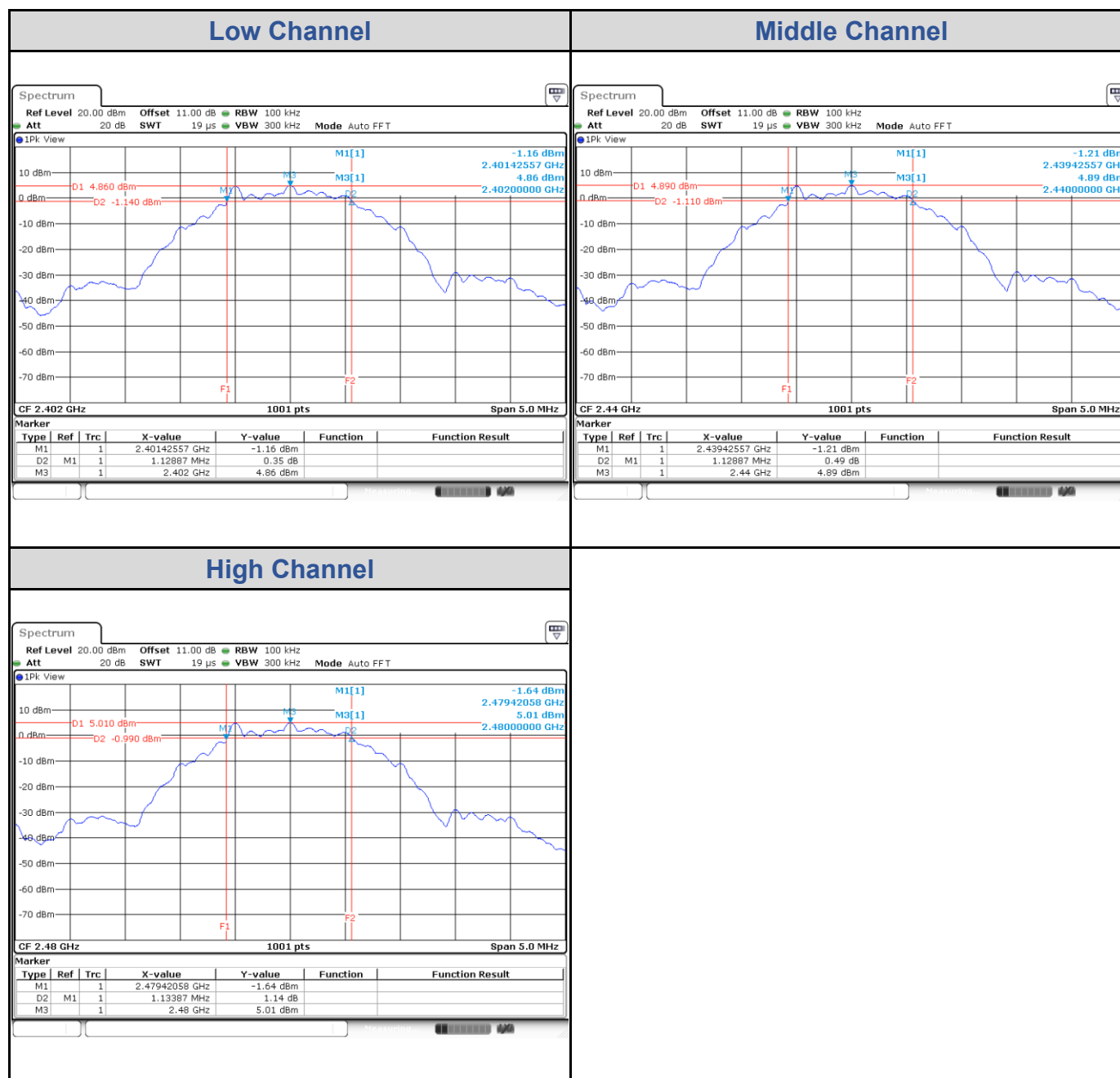
1Pk View

CF 2.48 GHz 1001 pts Span 5.0 MHz

| Type | Ref | Trc | X-value        | Y-value   | Function | Function Result |
|------|-----|-----|----------------|-----------|----------|-----------------|
| M1   | 1   | 1   | 2.47966034 GHz | -1.54 dBm |          |                 |
| D2   | M1  | 1   | 669.33 kHz     | 0.44 dB   |          |                 |
| M3   | 1   | 1   | 2.4797552 GHz  | 4.51 dBm  |          |                 |

**BLE\_2M**

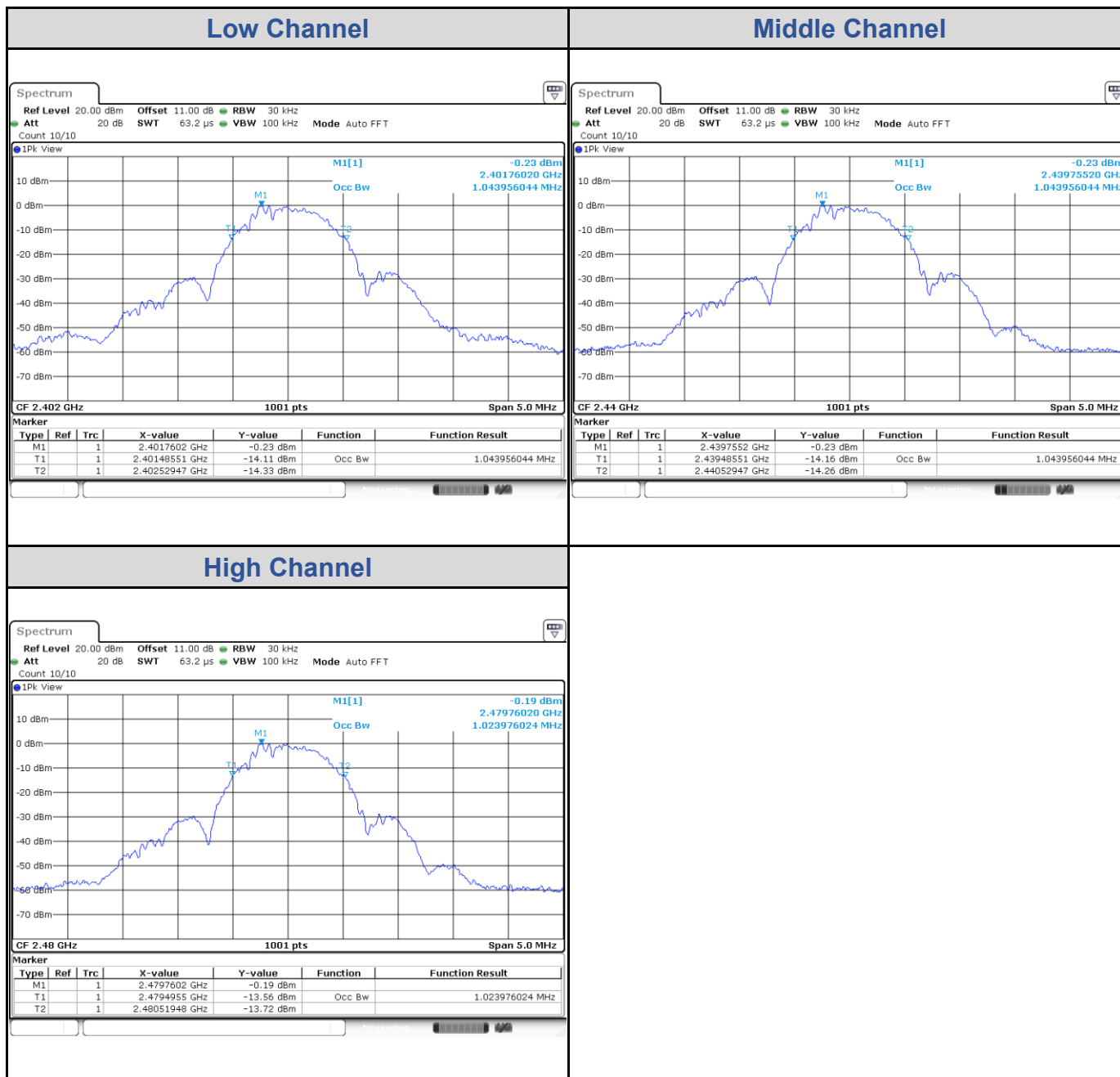
| Channel        | Channel Frequency (MHz) | 6 dB Bandwidth (MHz) | Limit (MHz) | Result |
|----------------|-------------------------|----------------------|-------------|--------|
| Low Channel    | 2402                    | 1.13                 | 0.5         | Pass   |
| Middle Channel | 2440                    | 1.13                 | 0.5         | Pass   |
| High Channel   | 2480                    | 1.13                 | 0.5         | Pass   |



## Test Result of 99% Occupied Bandwidth

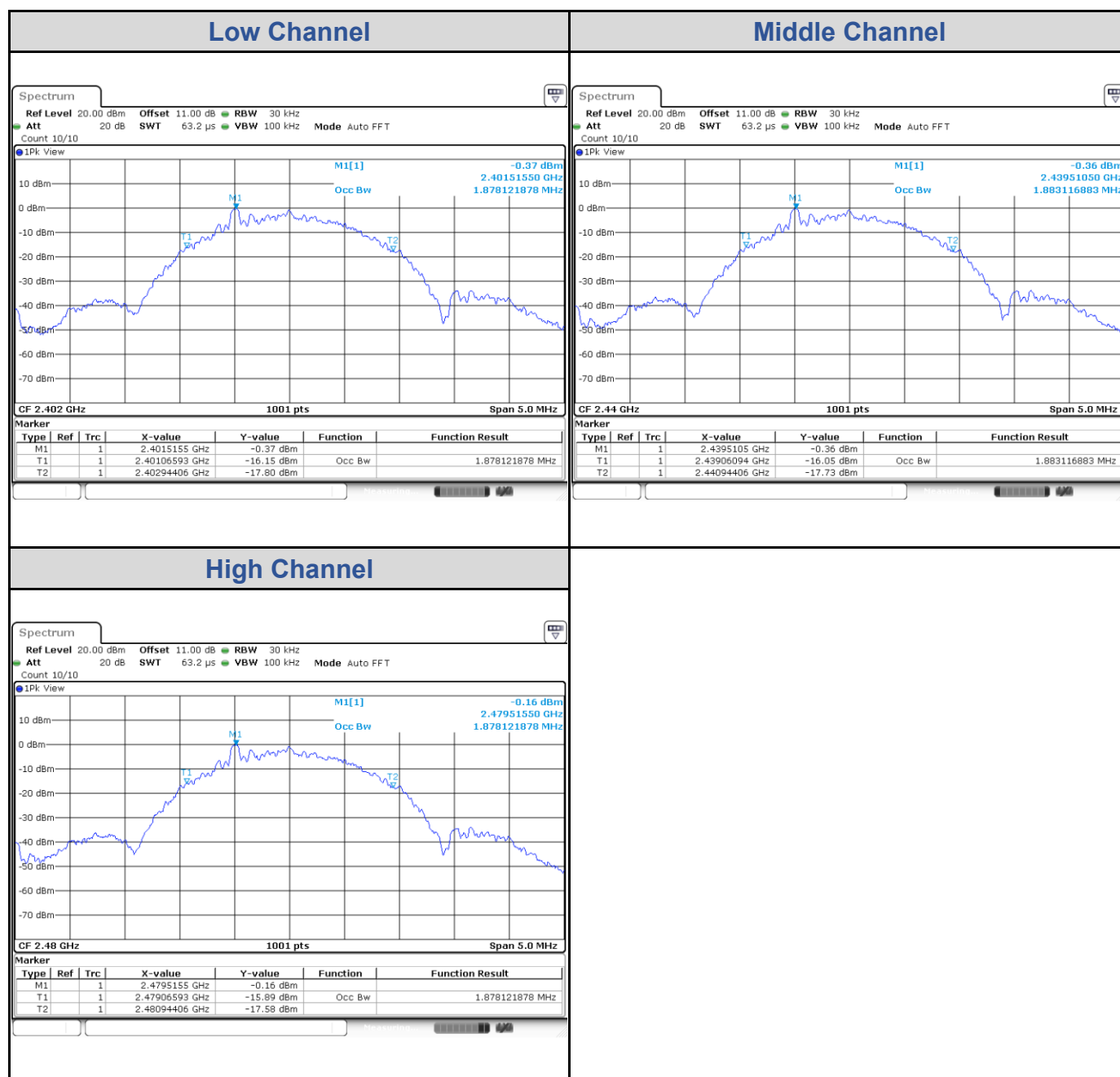
### BLE\_1M

| Channel        | Channel Frequency (MHz) | 99% Bandwidth (MHz) |
|----------------|-------------------------|---------------------|
| Low Channel    | 2402                    | 1.04                |
| Middle Channel | 2440                    | 1.04                |
| High Channel   | 2480                    | 1.02                |



**BLE\_2M**

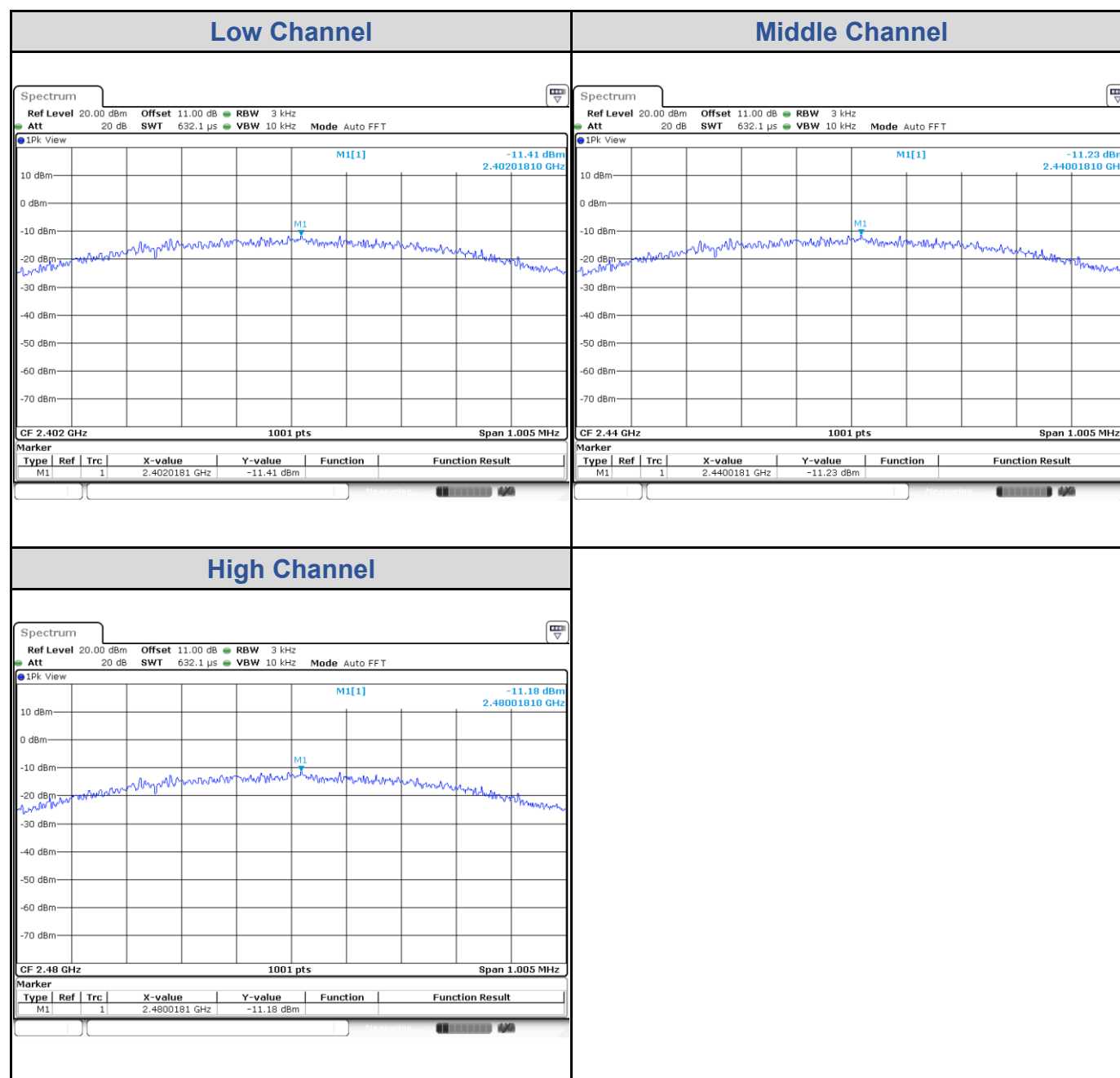
| Channel        | Channel Frequency (MHz) | 99% Bandwidth (MHz) |
|----------------|-------------------------|---------------------|
| Low Channel    | 2402                    | 1.88                |
| Middle Channel | 2440                    | 1.88                |
| High Channel   | 2480                    | 1.88                |



## Test Result of Power Spectral Density

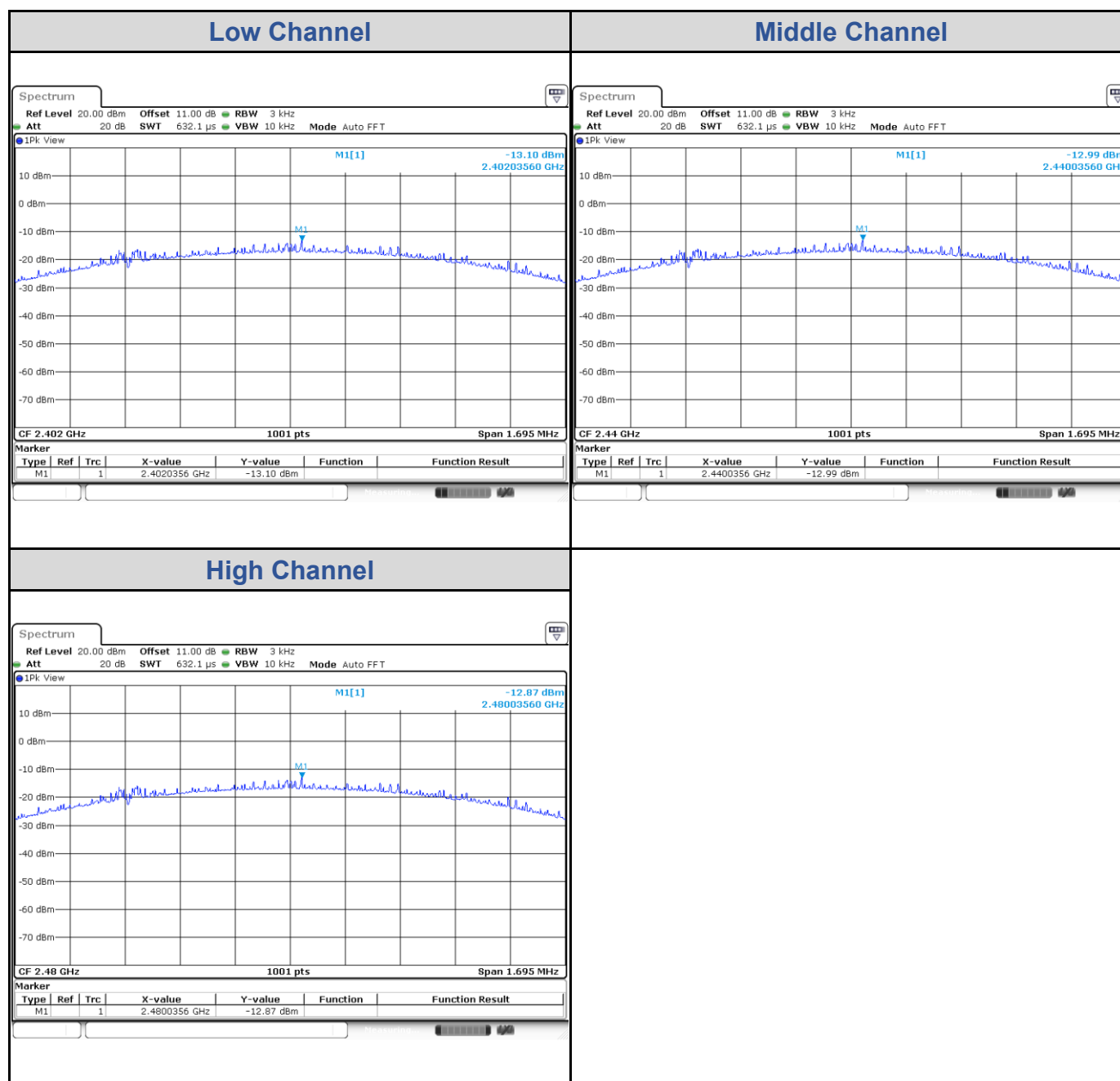
### BLE\_1M

| Channel        | Channel Frequency (MHz) | Power Density (dBm/3kHz) | Limit (dBm/3kHz) | Result |
|----------------|-------------------------|--------------------------|------------------|--------|
| Low Channel    | 2402                    | -11.41                   | 8                | Pass   |
| Middle Channel | 2440                    | -11.23                   | 8                | Pass   |
| High Channel   | 2480                    | -11.18                   | 8                | Pass   |



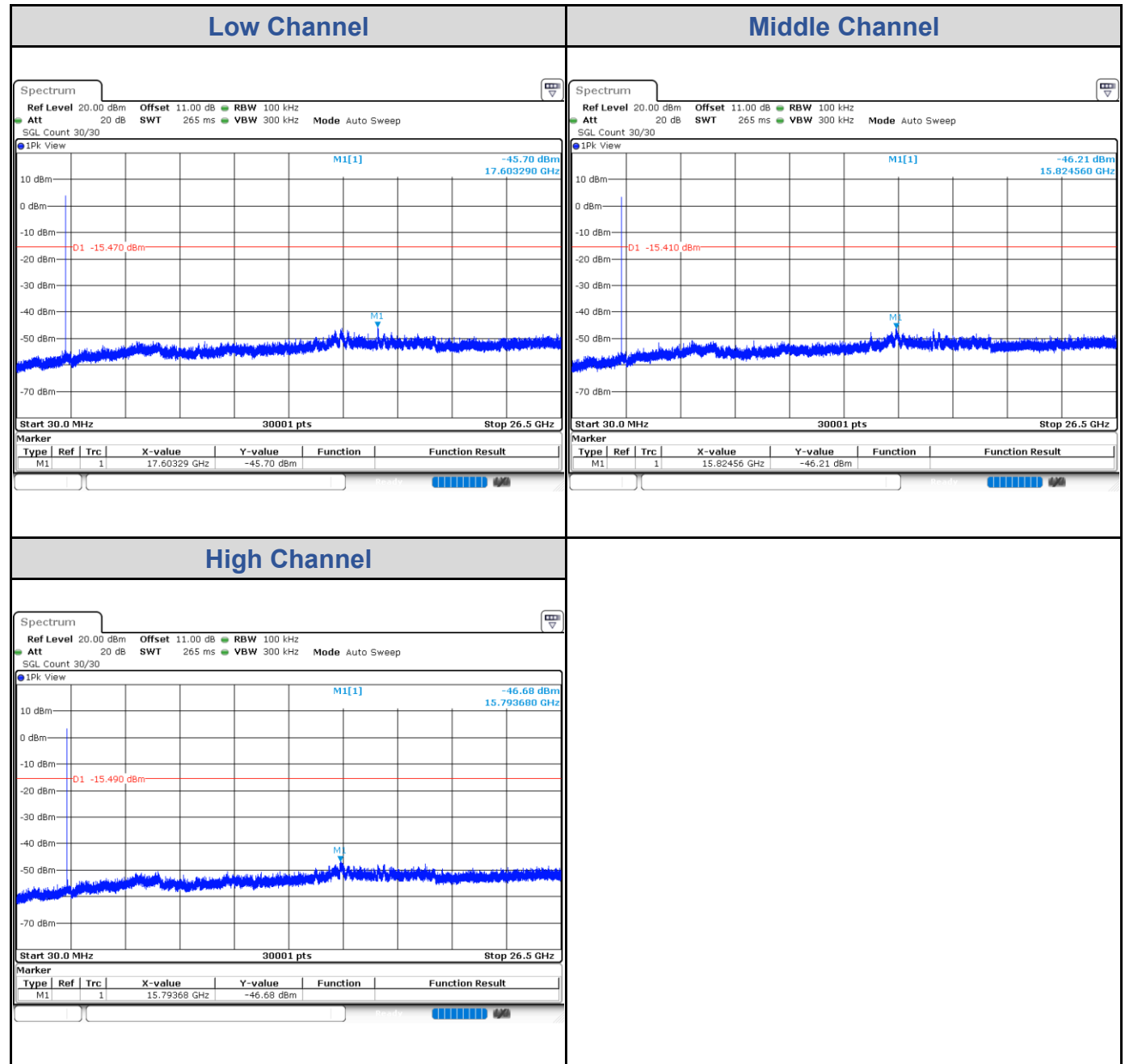
**BLE\_2M**

| Channel        | Channel Frequency (MHz) | Power Density (dBm/3kHz) | Limit (dBm/3kHz) | Result |
|----------------|-------------------------|--------------------------|------------------|--------|
| Low Channel    | 2402                    | -13.10                   | 8                | Pass   |
| Middle Channel | 2440                    | -12.99                   | 8                | Pass   |
| High Channel   | 2480                    | -12.87                   | 8                | Pass   |

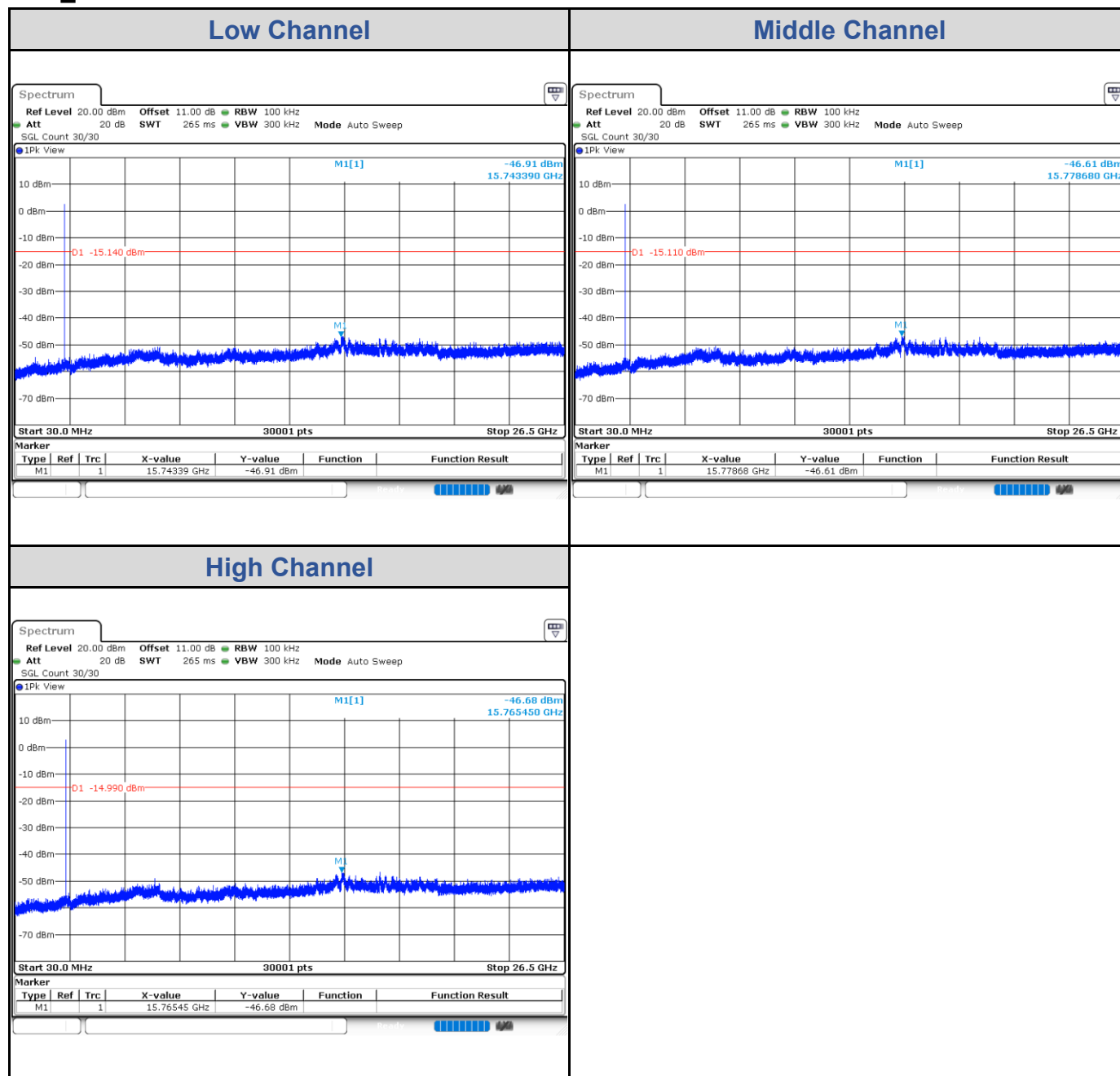


# Test Result of Conducted Spurious Emissions

## BLE\_1M

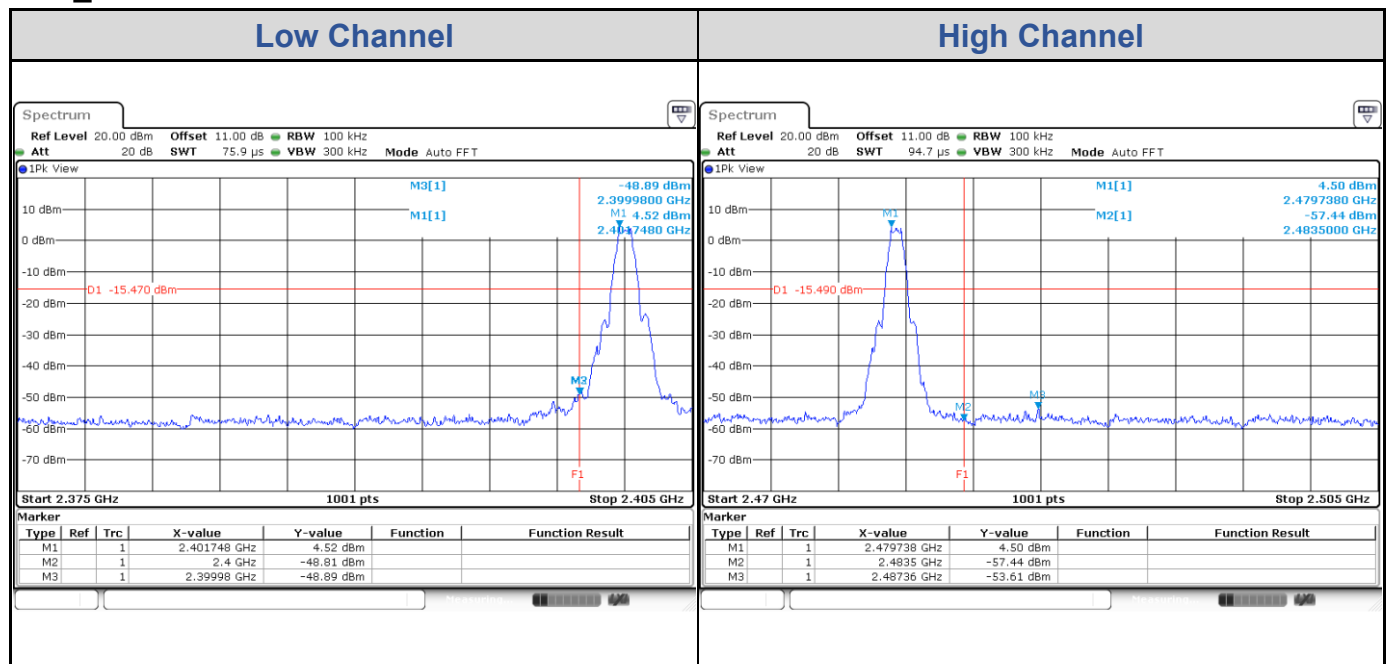


## BLE\_2M

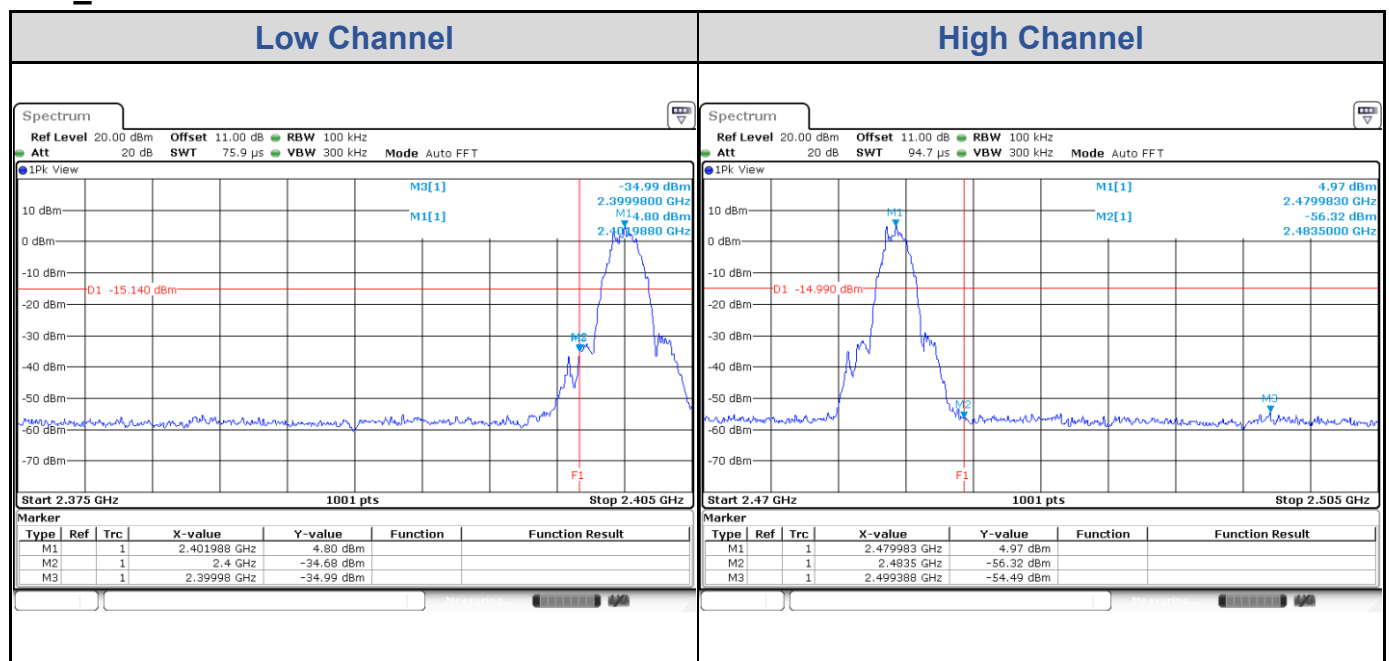


## Test Result of Conducted Band Edge

### BLE\_1M



### BLE\_2M



## Appendix B: Test Results of Radiated Spurious Emissions & Mains

### Conducted Emission Test

<EUT Standalone>

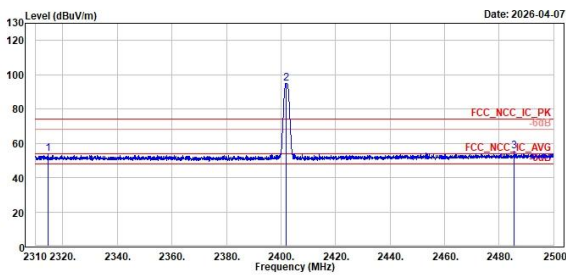
Band Edges, 2.31GHz ~ 2.5GHz

#### BLE\_1M

##### Low Channel (Horizontal) Peak



TÜV Rheinland Taiwan Ltd.  
No. 458-18, Sec. 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322

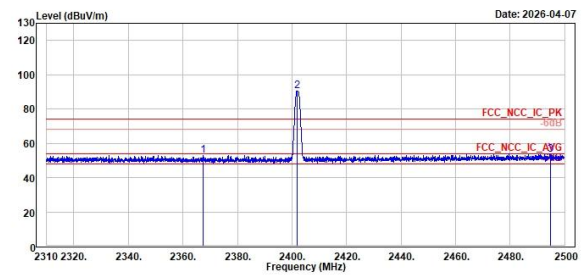


|     | Freq    | Level  | Read  | Factor | Limit  | Over   | APos | TPos | Remark | Pol/Phase  | Note |
|-----|---------|--------|-------|--------|--------|--------|------|------|--------|------------|------|
|     | MHz     | dBuV/m | dBuV  | dB/m   | dBuV/m | dB     | cm   | deg  |        |            |      |
| 1   | 2314.51 | 53.98  | 17.35 | 36.63  | 74.00  | -20.02 | 334  | 184  | Peak   | Horizontal |      |
| 2 * | 2402.00 | 94.88  | 58.34 | 36.54  | 74.00  | 20.88  | 334  | 184  | Peak   | Horizontal |      |
| 3   | 2485.37 | 55.18  | 17.97 | 37.21  | 74.00  | -18.82 | 334  | 184  | Peak   | Horizontal |      |

##### Low Channel (Vertical) Peak



TÜV Rheinland Taiwan Ltd.  
No. 458-18, Sec. 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322



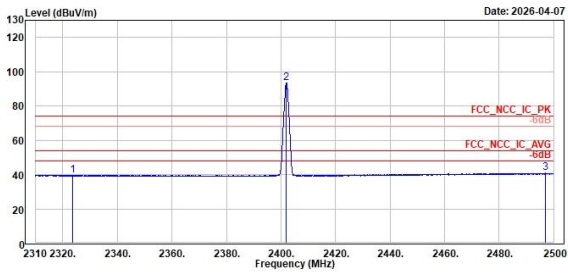
|     | Freq    | Level  | Read  | Factor | Limit  | Over   | APos | TPos | Remark | Pol/Phase | Note |
|-----|---------|--------|-------|--------|--------|--------|------|------|--------|-----------|------|
|     | MHz     | dBuV/m | dBuV  | dB/m   | dBuV/m | dB     | cm   | deg  |        |           |      |
| 1   | 2367.29 | 53.12  | 16.51 | 36.61  | 74.00  | -20.88 | 100  | 181  | Peak   | Vertical  |      |
| 2 * | 2402.00 | 90.58  | 54.04 | 36.54  | 74.00  | 16.58  | 100  | 181  | Peak   | Vertical  |      |
| 3   | 2494.92 | 53.52  | 16.24 | 37.28  | 74.00  | -20.48 | 100  | 181  | Peak   | Vertical  |      |

**BLE\_1M**

**Low Channel (Horizontal) Average**



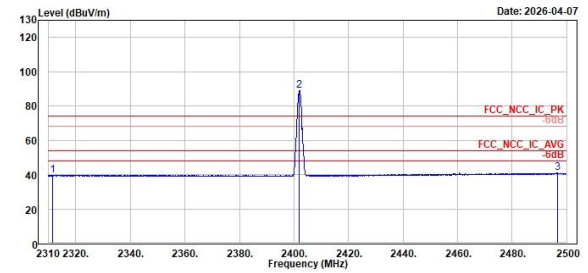
TÜV Rheinland Taiwan Ltd.  
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322



|     | Freq    | Level  | Read  | Level | Factor | Limit  | Over | APos | TPos | Remark  | Pol/Phase  | Note |
|-----|---------|--------|-------|-------|--------|--------|------|------|------|---------|------------|------|
|     | MHz     | dBuV/m | dBuV  | dB/m  | dBuV/m | dB     | dB   | cm   | deg  |         |            |      |
| 1   | 2323.54 | 39.76  | 3.12  | 36.64 | 54.00  | -14.24 |      | 334  | 184  | Average | Horizontal |      |
| 2 * | 2402.00 | 93.53  | 56.99 | 36.54 | 54.00  | 39.53  |      | 334  | 184  | Average | Horizontal |      |
| 3   | 2497.06 | 40.81  | 3.52  | 37.29 | 54.00  | -13.19 |      | 334  | 184  | Average | Horizontal |      |



TÜV Rheinland Taiwan Ltd.  
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322



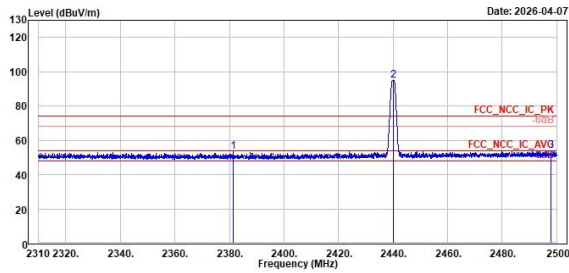
|     | Freq    | Level  | Read  | Level | Factor | Limit  | Over | APos | TPos | Remark  | Pol/Phase | Note |
|-----|---------|--------|-------|-------|--------|--------|------|------|------|---------|-----------|------|
|     | MHz     | dBuV/m | dBuV  | dB/m  | dBuV/m | dB     | dB   | cm   | deg  |         |           |      |
| 1   | 2311.47 | 39.73  | 3.11  | 36.62 | 54.00  | -14.27 |      | 100  | 181  | Average | Vertical  |      |
| 2 * | 2402.00 | 93.53  | 52.52 | 36.54 | 54.00  | 39.53  |      | 100  | 181  | Average | Vertical  |      |
| 3   | 2496.53 | 40.96  | 3.67  | 37.29 | 54.00  | -13.04 |      | 100  | 181  | Average | Vertical  |      |

**BLE\_1M**

**Middle Channel (Horizontal) Peak**



TÜV Rheinland Taiwan Ltd.  
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322

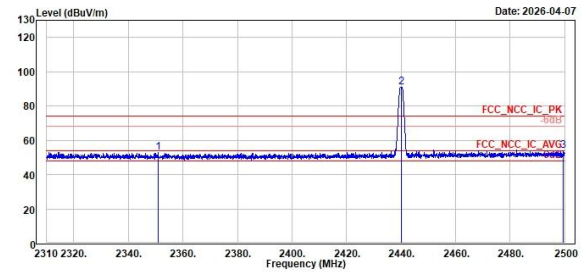


|     | Freq    | Level  | Read  | Factor | Limit  | Over   | APos | TPos | Remark | Pol/Phase  | Note |
|-----|---------|--------|-------|--------|--------|--------|------|------|--------|------------|------|
|     | MHz     | dBuV/m | dBuV  | dB/m   | dBuV/m | dB     | cm   | deg  |        |            |      |
| 1   | 2381.44 | 53.27  | 16.79 | 36.57  | 74.00  | -20.73 | 328  | 186  | Peak   | Horizontal |      |
| 2 * | 2440.00 | 95.10  | 58.23 | 36.87  | 74.00  | 21.10  | 328  | 186  | Peak   | Horizontal |      |
| 3   | 2498.01 | 53.94  | 16.64 | 37.30  | 74.00  | -20.06 | 328  | 186  | Peak   | Horizontal |      |

**Middle Channel (Vertical) Peak**



TÜV Rheinland Taiwan Ltd.  
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322



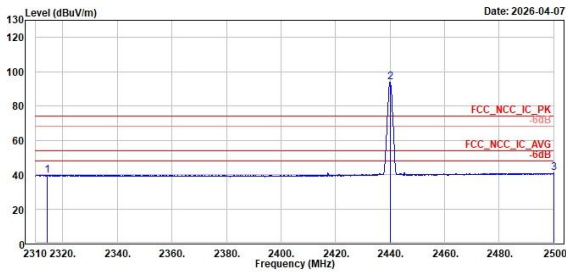
|     | Freq    | Level  | Read  | Factor | Limit  | Over   | APos | TPos | Remark | Pol/Phase | Note |
|-----|---------|--------|-------|--------|--------|--------|------|------|--------|-----------|------|
|     | MHz     | dBuV/m | dBuV  | dB/m   | dBuV/m | dB     | cm   | deg  |        |           |      |
| 1   | 2350.00 | 53.02  | 16.36 | 36.66  | 74.00  | -20.98 | 100  | 177  | Peak   | Vertical  |      |
| 2 * | 2440.00 | 90.99  | 54.12 | 36.87  | 74.00  | 16.99  | 100  | 177  | Peak   | Vertical  |      |
| 3   | 2499.57 | 53.88  | 16.57 | 37.31  | 74.00  | -20.12 | 100  | 177  | Peak   | Vertical  |      |

**BLE\_1M**

**Middle Channel (Horizontal) Average**



TÜV Rheinland Taiwan Ltd.  
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322

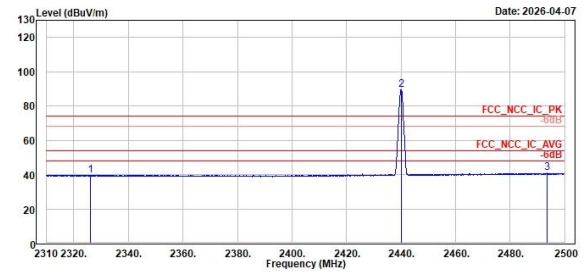


|     | Freq    | Level  | Read  | Factor | Limit  | Over   | APos | TPos | Remark  | Pol/Phase  | Note |
|-----|---------|--------|-------|--------|--------|--------|------|------|---------|------------|------|
|     | MHz     | dBuV/m | dBuV  | dB/m   | dBuV/m | dB     | cm   | deg  |         |            |      |
| 1   | 2314.28 | 39.76  | 3.13  | 36.63  | 54.00  | -14.24 | 328  | 186  | Average | Horizontal |      |
| 2 * | 2440.00 | 93.77  | 56.90 | 36.87  | 54.00  | 39.77  | 328  | 186  | Average | Horizontal |      |
| 3   | 2499.95 | 40.82  | 3.51  | 37.31  | 54.00  | -13.18 | 328  | 186  | Average | Horizontal |      |

**Middle Channel (Vertical) Average**



TÜV Rheinland Taiwan Ltd.  
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322



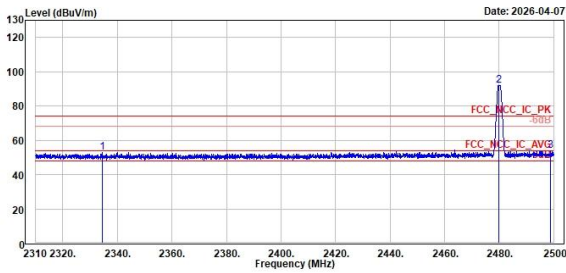
|     | Freq    | Level  | Read  | Factor | Limit  | Over   | APos | TPos | Remark  | Pol/Phase | Note |
|-----|---------|--------|-------|--------|--------|--------|------|------|---------|-----------|------|
|     | MHz     | dBuV/m | dBuV  | dB/m   | dBuV/m | dB     | cm   | deg  |         |           |      |
| 1   | 2326.15 | 39.73  | 3.09  | 36.64  | 54.00  | -14.27 | 100  | 177  | Average | Vertical  |      |
| 2 * | 2440.00 | 89.49  | 52.62 | 36.87  | 54.00  | 35.49  | 100  | 177  | Average | Vertical  |      |
| 3   | 2493.59 | 40.97  | 3.70  | 37.27  | 54.00  | -13.03 | 100  | 177  | Average | Vertical  |      |

**BLE\_1M**

**High Channel (Horizontal) Peak**



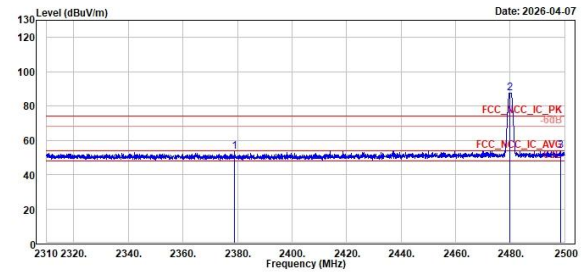
TÜV Rheinland Taiwan Ltd.  
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322



|     | Freq    | Level  | Read  | Factor | Limit  | Over   | APos | TPos | Remark | Pol/Phase  | Note |
|-----|---------|--------|-------|--------|--------|--------|------|------|--------|------------|------|
|     | MHz     | dBuV/m | dBuV  | dB/m   | dBuV/m | dB     | cm   | deg  |        |            |      |
| 1   | 2334.46 | 52.94  | 16.29 | 36.65  | 74.00  | -21.06 | 323  | 169  | Peak   | Horizontal |      |
| 2 * | 2480.00 | 92.01  | 54.64 | 37.17  | 74.00  | 18.01  | 323  | 169  | Peak   | Horizontal |      |
| 3   | 2498.81 | 53.89  | 16.59 | 37.30  | 74.00  | -20.11 | 323  | 169  | Peak   | Horizontal |      |



TÜV Rheinland Taiwan Ltd.  
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322



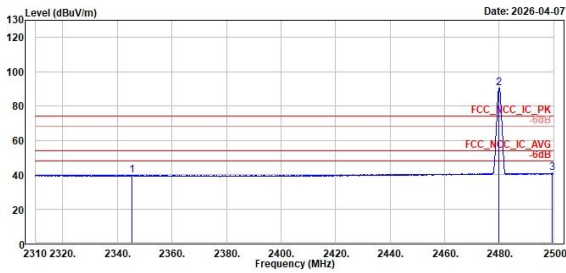
|     | Freq    | Level  | Read  | Factor | Limit  | Over   | APos | TPos | Remark | Pol/Phase | Note |
|-----|---------|--------|-------|--------|--------|--------|------|------|--------|-----------|------|
|     | MHz     | dBuV/m | dBuV  | dB/m   | dBuV/m | dB     | cm   | deg  |        |           |      |
| 1   | 2378.88 | 53.29  | 16.72 | 36.57  | 74.00  | -20.71 | 100  | 177  | Peak   | Vertical  |      |
| 2 * | 2480.00 | 87.64  | 50.47 | 37.17  | 74.00  | 13.64  | 100  | 177  | Peak   | Vertical  |      |
| 3   | 2498.43 | 53.64  | 16.34 | 37.30  | 74.00  | -20.36 | 100  | 177  | Peak   | Vertical  |      |

**BLE\_1M**

**High Channel (Horizontal) Average**



TÜV Rheinland Taiwan Ltd.  
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322

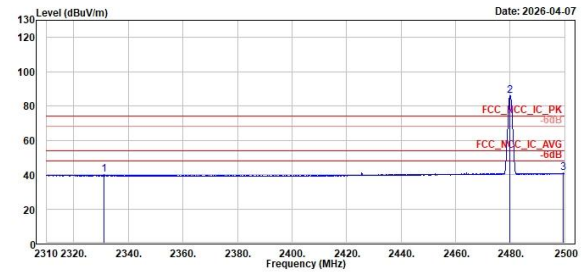


|     | Freq    | Level  | Read  | Factor | Limit  | Over   | APos | TPos | Remark  | Pol/Phase  | Note |
|-----|---------|--------|-------|--------|--------|--------|------|------|---------|------------|------|
|     | MHz     | dBuV/m | dBuV  | dB/m   | dBuV/m | dB     | cm   | deg  |         |            |      |
| 1   | 2345.48 | 39.72  | 3.06  | 36.66  | 54.00  | -14.28 | 323  | 169  | Average | Horizontal |      |
| 2 * | 2480.00 | 90.70  | 53.53 | 37.17  | 54.00  | 36.70  | 323  | 169  | Average | Horizontal |      |
| 3   | 2499.34 | 40.83  | 3.52  | 37.31  | 54.00  | -13.17 | 323  | 169  | Average | Horizontal |      |

**High Channel (Vertical) Average**



TÜV Rheinland Taiwan Ltd.  
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322



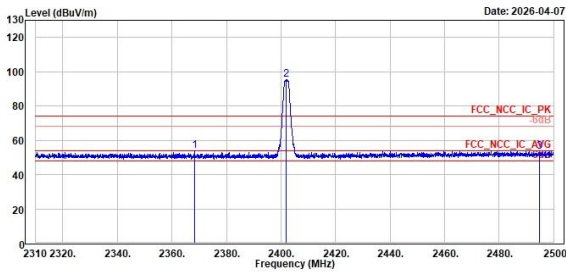
|     | Freq    | Level  | Read  | Factor | Limit  | Over   | APos | TPos | Remark  | Pol/Phase | Note |
|-----|---------|--------|-------|--------|--------|--------|------|------|---------|-----------|------|
|     | MHz     | dBuV/m | dBuV  | dB/m   | dBuV/m | dB     | cm   | deg  |         |           |      |
| 1   | 2331.00 | 39.81  | 3.17  | 36.64  | 54.00  | -14.19 | 100  | 177  | Average | Vertical  |      |
| 2 * | 2480.00 | 86.12  | 48.95 | 37.17  | 54.00  | 32.12  | 100  | 177  | Average | Vertical  |      |
| 3   | 2499.48 | 40.78  | 3.47  | 37.31  | 54.00  | -13.22 | 100  | 177  | Average | Vertical  |      |

**BLE\_2M**

**Low Channel (Horizontal) Peak**



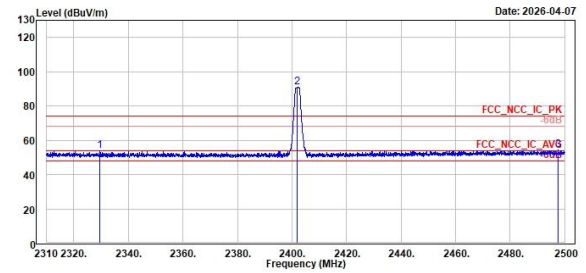
TÜV Rheinland Taiwan Ltd.  
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322



|     | Freq    | Level  | Read  | Level | Factor | Limit  | Over | APos | TPos | Remark     | Pol/Phase | Note |
|-----|---------|--------|-------|-------|--------|--------|------|------|------|------------|-----------|------|
|     | MHz     | dBuV/m | dBuV  | dB/m  | dBuV/m | dB     | dB   | cm   | deg  |            |           |      |
| 1   | 2368.24 | 53.68  | 17.07 | 36.61 | 74.00  | -20.32 | 289  | 183  | Peak | Horizontal |           |      |
| 2 * | 2402.00 | 95.19  | 58.65 | 36.54 | 74.00  | 21.19  | 289  | 183  | Peak | Horizontal |           |      |
| 3   | 2494.78 | 53.46  | 16.18 | 37.28 | 74.00  | -20.54 | 289  | 183  | Peak | Horizontal |           |      |



TÜV Rheinland Taiwan Ltd.  
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322



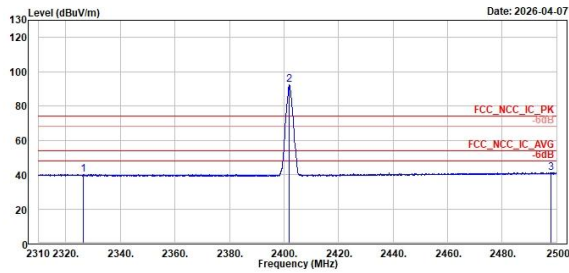
|     | Freq    | Level  | Read  | Level | Factor | Limit  | Over | APos | TPos | Remark   | Pol/Phase | Note |
|-----|---------|--------|-------|-------|--------|--------|------|------|------|----------|-----------|------|
|     | MHz     | dBuV/m | dBuV  | dB/m  | dBuV/m | dB     | dB   | cm   | deg  |          |           |      |
| 1   | 2329.62 | 53.82  | 17.18 | 36.64 | 74.00  | -20.18 | 100  | 181  | Peak | Vertical |           |      |
| 2 * | 2402.00 | 91.13  | 54.59 | 36.54 | 74.00  | 17.13  | 100  | 181  | Peak | Vertical |           |      |
| 3   | 2497.58 | 54.51  | 17.21 | 37.30 | 74.00  | -19.49 | 100  | 181  | Peak | Vertical |           |      |

**BLE\_2M**

**Low Channel (Horizontal) Average**



TÜV Rheinland Taiwan Ltd.  
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322

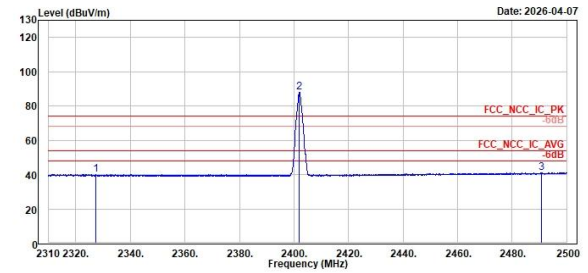


|     | Freq    | Level  | Read  | Factor | Limit  | Over   | APos | TPos | Remark  | Pol/Phase  | Note |
|-----|---------|--------|-------|--------|--------|--------|------|------|---------|------------|------|
|     | MHz     | dBuV/m | dBuV  | dB/m   | dBuV/m | dB     | cm   | deg  |         |            |      |
| 1   | 2326.48 | 40.11  | 3.47  | 36.64  | 54.00  | -13.89 | 289  | 183  | Average | Horizontal |      |
| 2 * | 2402.00 | 92.42  | 55.88 | 36.54  | 54.00  | 38.42  | 289  | 183  | Average | Horizontal |      |
| 3   | 2497.96 | 41.07  | 3.77  | 37.30  | 54.00  | -12.93 | 289  | 183  | Average | Horizontal |      |

**Low Channel (Vertical) Average**



TÜV Rheinland Taiwan Ltd.  
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322



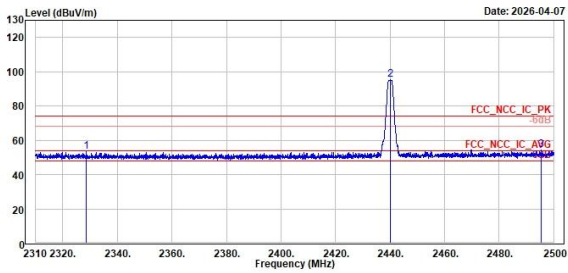
|     | Freq    | Level  | Read  | Factor | Limit  | Over   | APos | TPos | Remark  | Pol/Phase | Note |
|-----|---------|--------|-------|--------|--------|--------|------|------|---------|-----------|------|
|     | MHz     | dBuV/m | dBuV  | dB/m   | dBuV/m | dB     | cm   | deg  |         |           |      |
| 1   | 2327.34 | 40.19  | 3.55  | 36.64  | 54.00  | -13.81 | 100  | 181  | Average | Vertical  |      |
| 2 * | 2402.00 | 88.18  | 51.64 | 36.54  | 54.00  | 34.18  | 100  | 181  | Average | Vertical  |      |
| 3   | 2490.64 | 41.03  | 3.78  | 37.25  | 54.00  | -12.97 | 100  | 181  | Average | Vertical  |      |

**BLE\_2M**

**Middle Channel (Horizontal) Peak**



TÜV Rheinland Taiwan Ltd.  
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322

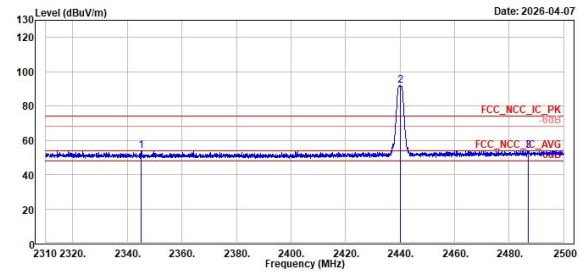


|     | Freq    | Level  | Read  | Factor | Limit  | Over   | APos | TPos | Remark | Pol/Phase  | Note |
|-----|---------|--------|-------|--------|--------|--------|------|------|--------|------------|------|
|     | MHz     | dBuV/m | dBuV  | dB/m   | dBuV/m | dB     | cm   | deg  |        |            |      |
| 1   | 2328.53 | 53.43  | 16.79 | 36.64  | 74.00  | -20.57 | 329  | 185  | Peak   | Horizontal |      |
| 2 * | 2440.00 | 95.35  | 58.48 | 36.87  | 74.00  | 21.35  | 329  | 185  | Peak   | Horizontal |      |
| 3   | 2495.35 | 54.40  | 17.12 | 37.28  | 74.00  | -19.60 | 329  | 185  | Peak   | Horizontal |      |

**Middle Channel (Vertical) Peak**



TÜV Rheinland Taiwan Ltd.  
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322



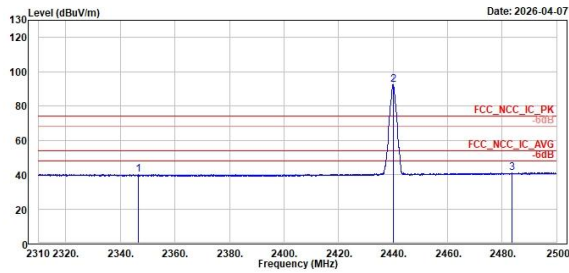
|     | Freq    | Level  | Read  | Factor | Limit  | Over   | APos | TPos | Remark | Pol/Phase | Note |
|-----|---------|--------|-------|--------|--------|--------|------|------|--------|-----------|------|
|     | MHz     | dBuV/m | dBuV  | dB/m   | dBuV/m | dB     | cm   | deg  |        |           |      |
| 1   | 2345.15 | 53.77  | 17.11 | 36.66  | 74.00  | -20.23 | 180  | 180  | Peak   | Vertical  |      |
| 2 * | 2440.00 | 91.97  | 55.10 | 36.87  | 74.00  | 17.97  | 180  | 180  | Peak   | Vertical  |      |
| 3   | 2487.03 | 54.11  | 16.89 | 37.22  | 74.00  | -19.89 | 180  | 180  | Peak   | Vertical  |      |

**BLE\_2M**

**Middle Channel (Horizontal) Average**



TÜV Rheinland Taiwan Ltd.  
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322

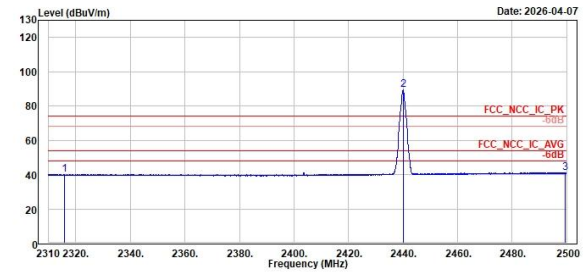


|     | Freq    | Level  | Read  | Factor | Limit  | Over   | APos | TPos | Remark  | Pol/Phase  | Note |
|-----|---------|--------|-------|--------|--------|--------|------|------|---------|------------|------|
|     | MHz     | dBuV/m | dBuV  | dB/m   | dBuV/m | dB     | cm   | deg  |         |            |      |
| 1   | 2346.58 | 40.05  | 3.39  | 36.66  | 54.00  | -13.95 | 329  | 185  | Average | Horizontal |      |
| 2 * | 2440.00 | 92.62  | 55.75 | 36.87  | 54.00  | 38.62  | 329  | 185  | Average | Horizontal |      |
| 3   | 2483.61 | 41.09  | 3.89  | 37.20  | 54.00  | -12.91 | 329  | 185  | Average | Horizontal |      |

**Middle Channel (Vertical) Average**



TÜV Rheinland Taiwan Ltd.  
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322



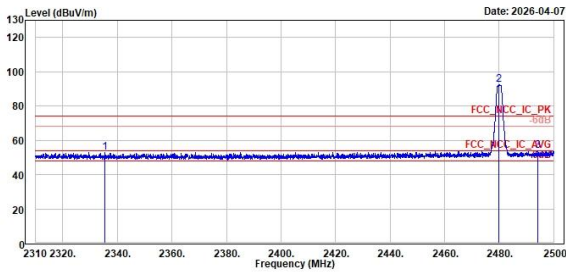
|     | Freq    | Level  | Read  | Factor | Limit  | Over   | APos | TPos | Remark  | Pol/Phase | Note |
|-----|---------|--------|-------|--------|--------|--------|------|------|---------|-----------|------|
|     | MHz     | dBuV/m | dBuV  | dB/m   | dBuV/m | dB     | cm   | deg  |         |           |      |
| 1   | 2315.70 | 40.19  | 3.56  | 36.63  | 54.00  | -13.81 | 180  | 180  | Average | Vertical  |      |
| 2 * | 2440.00 | 89.26  | 52.39 | 36.87  | 54.00  | 35.26  | 180  | 180  | Average | Vertical  |      |
| 3   | 2499.57 | 41.27  | 3.96  | 37.31  | 54.00  | -12.73 | 180  | 180  | Average | Vertical  |      |

**BLE\_2M**

**High Channel (Horizontal) Peak**



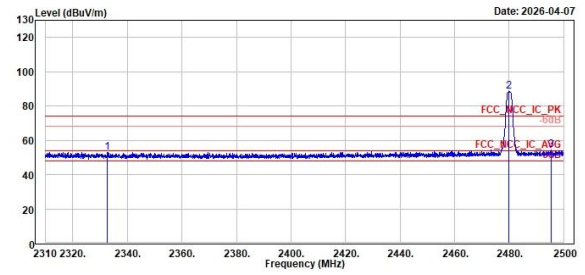
TÜV Rheinland Taiwan Ltd.  
No. 458-18, Sec. 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322



|     | Freq    | Level  | Read  | Factor | Limit  | Over   | APos | TPos | Remark | Pol/Phase  | Note |
|-----|---------|--------|-------|--------|--------|--------|------|------|--------|------------|------|
|     | MHz     | dBuV/m | dBuV  | dB/m   | dBuV/m | dB     | cm   | deg  |        |            |      |
| 1   | 2335.27 | 52.87  | 16.22 | 36.65  | 74.00  | -21.13 | 318  | 178  | Peak   | Horizontal |      |
| 2 * | 2480.00 | 92.38  | 55.21 | 37.17  | 74.00  | 18.38  | 318  | 178  | Peak   | Horizontal |      |
| 3   | 2494.30 | 54.06  | 16.78 | 37.28  | 74.00  | -19.94 | 318  | 178  | Peak   | Horizontal |      |



TÜV Rheinland Taiwan Ltd.  
No. 458-18, Sec. 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322



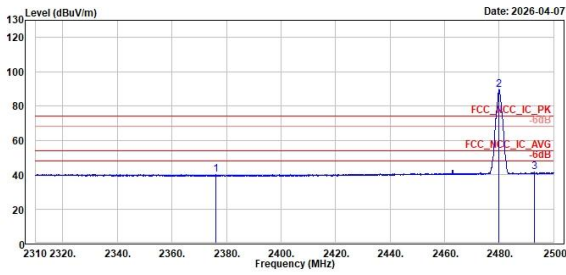
|     | Freq    | Level  | Read  | Factor | Limit  | Over   | APos | TPos | Remark | Pol/Phase | Note |
|-----|---------|--------|-------|--------|--------|--------|------|------|--------|-----------|------|
|     | MHz     | dBuV/m | dBuV  | dB/m   | dBuV/m | dB     | cm   | deg  |        |           |      |
| 1   | 2332.75 | 53.06  | 16.41 | 36.65  | 74.00  | -20.94 | 100  | 178  | Peak   | Vertical  |      |
| 2 * | 2480.00 | 88.46  | 51.29 | 37.17  | 74.00  | 14.46  | 100  | 178  | Peak   | Vertical  |      |
| 3   | 2495.49 | 54.22  | 16.94 | 37.28  | 74.00  | -19.78 | 100  | 178  | Peak   | Vertical  |      |

**BLE\_2M**

**High Channel (Horizontal) Average**



TÜV Rheinland Taiwan Ltd.  
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322

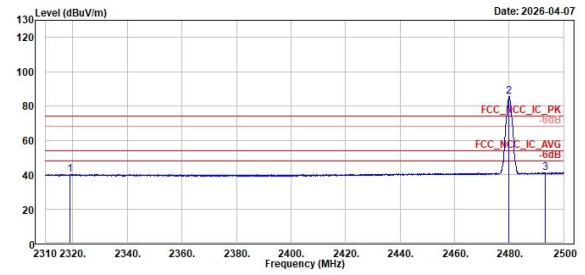


|     | Freq    | Level  | Read  | Factor | Limit  | Over   | APos | TPos | Remark  | Pol/Phase  | Note |
|-----|---------|--------|-------|--------|--------|--------|------|------|---------|------------|------|
|     | MHz     | dBuV/m | dBuV  | dB/m   | dBuV/m | dB     | cm   | deg  |         |            |      |
| 1   | 2376.12 | 40.02  | 3.43  | 36.59  | 54.00  | -13.98 | 318  | 178  | Average | Horizontal |      |
| 2 * | 2480.00 | 89.47  | 52.30 | 37.17  | 54.00  | 35.47  | 318  | 178  | Average | Horizontal |      |
| 3   | 2492.92 | 41.29  | 4.02  | 37.27  | 54.00  | -12.71 | 318  | 178  | Average | Horizontal |      |

**High Channel (Vertical) Average**



TÜV Rheinland Taiwan Ltd.  
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322



|     | Freq    | Level  | Read  | Factor | Limit  | Over   | APos | TPos | Remark  | Pol/Phase | Note |
|-----|---------|--------|-------|--------|--------|--------|------|------|---------|-----------|------|
|     | MHz     | dBuV/m | dBuV  | dB/m   | dBuV/m | dB     | cm   | deg  |         |           |      |
| 1   | 2318.93 | 40.12  | 3.49  | 36.63  | 54.00  | -13.88 | 100  | 178  | Average | Vertical  |      |
| 2 * | 2480.00 | 85.52  | 48.35 | 37.17  | 54.00  | 31.52  | 100  | 178  | Average | Vertical  |      |
| 3   | 2493.26 | 41.04  | 3.77  | 37.27  | 54.00  | -12.96 | 100  | 178  | Average | Vertical  |      |

## Spurious Emissions, Tx Mode, 30MHz ~ 1GHz

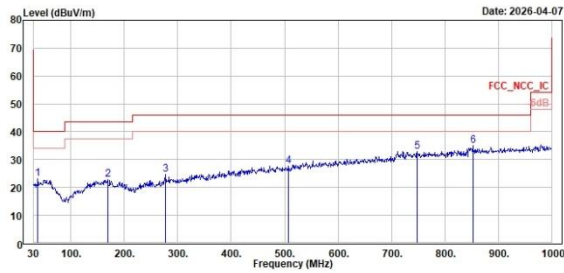
### BLE\_2M

#### High Channel (Horizontal)

#### High Channel (Vertical)



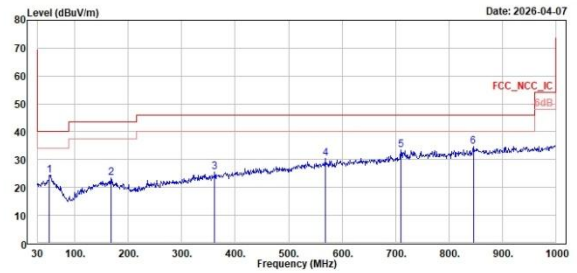
TÜV Rheinland Taiwan Ltd.  
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322



|   | Freq   | Level  | Read  | Level | Factor | Limit  | Over | APos | TPos | Remark | Pol/Phase  | Note |
|---|--------|--------|-------|-------|--------|--------|------|------|------|--------|------------|------|
|   | MHz    | dBuV/m | dBuV  | dB/m  | dBuV/m | dB     | dB   | cm   | deg  |        |            |      |
| 1 | 37.76  | 23.04  | 29.79 | -6.75 | 40.00  | -16.96 |      | 200  | 290  | Peak   | Horizontal |      |
| 2 | 168.71 | 22.69  | 28.47 | -5.78 | 43.50  | -20.81 |      | 200  | 136  | Peak   | Horizontal |      |
| 3 | 276.38 | 24.54  | 30.50 | -5.96 | 46.00  | -21.46 |      | 100  | 135  | Peak   | Horizontal |      |
| 4 | 507.24 | 27.77  | 29.28 | -1.51 | 46.00  | -18.23 |      | 200  | 333  | Peak   | Horizontal |      |
| 5 | 747.80 | 32.90  | 29.89 | 3.01  | 46.00  | -13.10 |      | 100  | 213  | Peak   | Horizontal |      |
| 6 | 852.56 | 35.03  | 30.77 | 4.26  | 46.00  | -10.97 |      | 200  | 77   | Peak   | Horizontal |      |



TÜV Rheinland Taiwan Ltd.  
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322



|   | Freq   | Level  | Read  | Level | Factor | Limit  | Over | APos | TPos | Remark | Pol/Phase | Note |
|---|--------|--------|-------|-------|--------|--------|------|------|------|--------|-----------|------|
|   | MHz    | dBuV/m | dBuV  | dB/m  | dBuV/m | dB     | dB   | cm   | deg  |        |           |      |
| 1 | 52.31  | 24.38  | 30.32 | -5.94 | 40.00  | -15.62 |      | 110  | 0    | Peak   | Vertical  |      |
| 2 | 167.74 | 23.53  | 29.27 | -5.74 | 43.50  | -19.97 |      | 200  | 113  | Peak   | Vertical  |      |
| 3 | 361.74 | 25.61  | 29.78 | -4.17 | 46.00  | -20.39 |      | 200  | 172  | Peak   | Vertical  |      |
| 4 | 568.35 | 30.40  | 30.49 | -0.09 | 46.00  | -15.60 |      | 200  | 83   | Peak   | Vertical  |      |
| 5 | 709.97 | 33.38  | 31.03 | 2.35  | 46.00  | -12.62 |      | 100  | 212  | Peak   | Vertical  |      |
| 6 | 845.77 | 34.63  | 30.60 | 4.03  | 46.00  | -11.37 |      | 100  | 177  | Peak   | Vertical  |      |

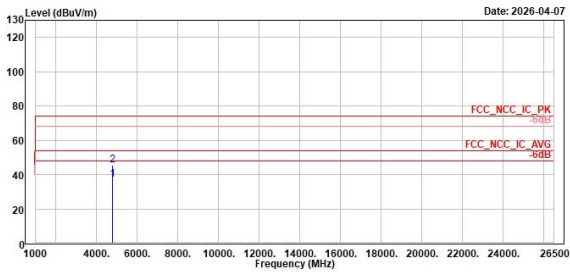
## Spurious Emissions, Tx Mode, 1GHz ~ 26.5GHz

### BLE\_1M

#### Low Channel (Horizontal)



TÜV Rheinland Taiwan Ltd.  
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322

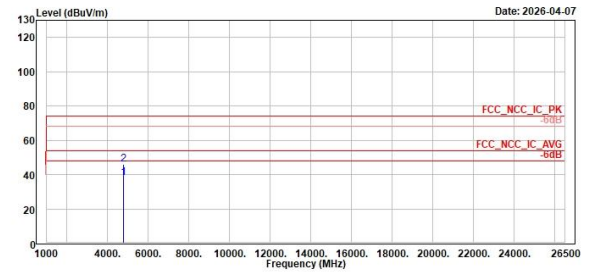


|   | Freq    | Level  | Read  | Limit  | Over   | APos   | TPos | Remark      | Pol/Phase  | Note |
|---|---------|--------|-------|--------|--------|--------|------|-------------|------------|------|
|   | MHz     | dBuV/m | dBuV  | dB/m   | dBuV/m | dB     | cm   | deg         |            |      |
| 1 | 4804.00 | 37.27  | 48.12 | -10.85 | 54.00  | -16.73 | 180  | 115 Average | Horizontal |      |
| 2 | 4804.00 | 45.62  | 56.47 | -10.85 | 74.00  | -28.38 | 180  | 115 Peak    | Horizontal |      |

#### Low Channel (Vertical)



TÜV Rheinland Taiwan Ltd.  
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322



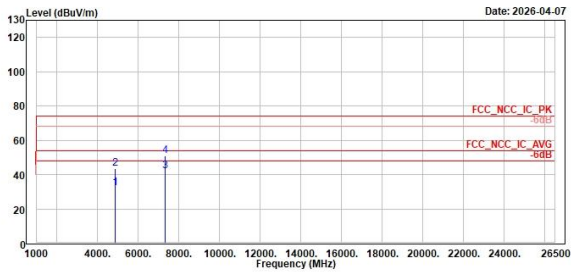
|   | Freq    | Level  | Read  | Limit  | Over   | APos   | TPos | Remark      | Pol/Phase | Note |
|---|---------|--------|-------|--------|--------|--------|------|-------------|-----------|------|
|   | MHz     | dBuV/m | dBuV  | dB/m   | dBuV/m | dB     | cm   | deg         |           |      |
| 1 | 4804.00 | 38.18  | 49.03 | -10.85 | 54.00  | -15.82 | 180  | 168 Average | Vertical  |      |
| 2 | 4804.00 | 46.03  | 56.88 | -10.85 | 74.00  | -27.97 | 180  | 168 Peak    | Vertical  |      |

**BLE\_1M**

**Middle Channel (Horizontal)**



TÜV Rheinland Taiwan Ltd.  
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322

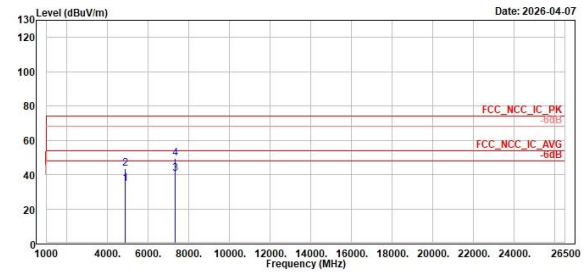


|   | Freq    | Level  | Read  | Factor | Limit  | Over   | APos | TPos | Remark  | Pol/Phase  | Note |
|---|---------|--------|-------|--------|--------|--------|------|------|---------|------------|------|
|   | MHz     | dBuV/m | dBuV  | dB/m   | dBuV/m | dB     | cm   | deg  |         |            |      |
| 1 | 4880.00 | 32.11  | 42.94 | -10.83 | 54.00  | -21.89 | 100  | 111  | Average | Horizontal |      |
| 2 | 4880.00 | 43.27  | 54.10 | -10.83 | 74.00  | -30.73 | 100  | 111  | Peak    | Horizontal |      |
| 3 | 7320.00 | 42.16  | 50.87 | -8.71  | 54.00  | -11.84 | 100  | 17   | Average | Horizontal |      |
| 4 | 7320.00 | 51.03  | 59.74 | -8.71  | 74.00  | -22.97 | 100  | 17   | Peak    | Horizontal |      |

**Middle Channel (Vertical)**



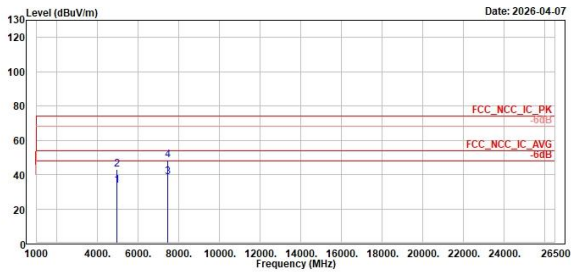
TÜV Rheinland Taiwan Ltd.  
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322



|   | Freq    | Level  | Read  | Factor | Limit  | Over   | APos | TPos | Remark  | Pol/Phase | Note |
|---|---------|--------|-------|--------|--------|--------|------|------|---------|-----------|------|
|   | MHz     | dBuV/m | dBuV  | dB/m   | dBuV/m | dB     | cm   | deg  |         |           |      |
| 1 | 4880.00 | 34.83  | 45.66 | -10.83 | 54.00  | -19.17 | 100  | 165  | Average | Vertical  |      |
| 2 | 4880.00 | 43.51  | 54.34 | -10.83 | 74.00  | -30.49 | 100  | 165  | Peak    | Vertical  |      |
| 3 | 7320.00 | 40.32  | 49.03 | -8.71  | 54.00  | -13.68 | 200  | 66   | Average | Vertical  |      |
| 4 | 7320.00 | 49.45  | 58.16 | -8.71  | 74.00  | -24.55 | 200  | 66   | Peak    | Vertical  |      |

**BLE\_1M**
**High Channel (Horizontal)**

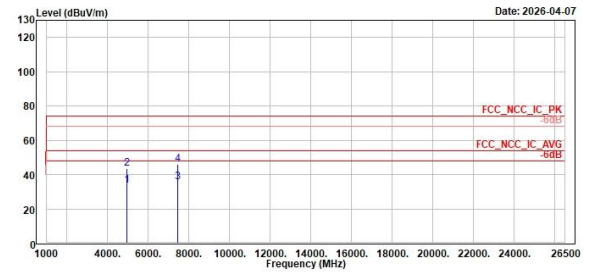

TÜV Rheinland Taiwan Ltd.  
 No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
 Tel: +886-2172-1000 Fax: +886-2172-1322



|   | Freq    | Level  | Read  | Factor | Limit  | Over   | APos | TPos | Remark  | Pol/Phase  | Note |
|---|---------|--------|-------|--------|--------|--------|------|------|---------|------------|------|
|   | MHz     | dBuV/m | dBuV  | dB/m   | dBuV/m | dB     | cm   | deg  |         |            |      |
| 1 | 4960.00 | 33.41  | 43.93 | -10.52 | 54.00  | -20.59 | 100  | 119  | Average | Horizontal |      |
| 2 | 4960.00 | 43.24  | 53.76 | -10.52 | 74.00  | -30.76 | 100  | 119  | Peak    | Horizontal |      |
| 3 | 7440.00 | 38.70  | 47.41 | -8.71  | 54.00  | -15.30 | 100  | 13   | Average | Horizontal |      |
| 4 | 7440.00 | 48.26  | 56.97 | -8.71  | 74.00  | -25.74 | 100  | 13   | Peak    | Horizontal |      |

**High Channel (Vertical)**


TÜV Rheinland Taiwan Ltd.  
 No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
 Tel: +886-2172-1000 Fax: +886-2172-1322



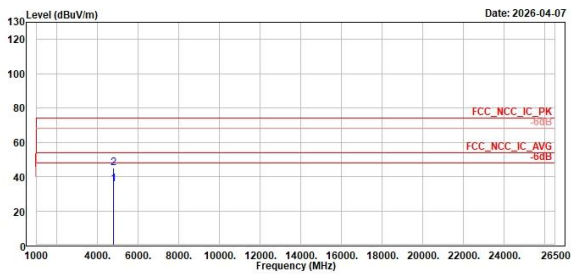
|   | Freq    | Level  | Read  | Factor | Limit  | Over   | APos | TPos | Remark  | Pol/Phase | Note |
|---|---------|--------|-------|--------|--------|--------|------|------|---------|-----------|------|
|   | MHz     | dBuV/m | dBuV  | dB/m   | dBuV/m | dB     | cm   | deg  |         |           |      |
| 1 | 4960.00 | 33.46  | 43.98 | -10.52 | 54.00  | -20.54 | 100  | 165  | Average | Vertical  |      |
| 2 | 4960.00 | 43.39  | 53.91 | -10.52 | 74.00  | -30.61 | 100  | 165  | Peak    | Vertical  |      |
| 3 | 7440.00 | 35.58  | 44.29 | -8.71  | 54.00  | -18.42 | 100  | 340  | Average | Vertical  |      |
| 4 | 7440.00 | 45.80  | 54.51 | -8.71  | 74.00  | -28.20 | 100  | 340  | Peak    | Vertical  |      |

**BLE\_2M**

**Low Channel (Horizontal)**



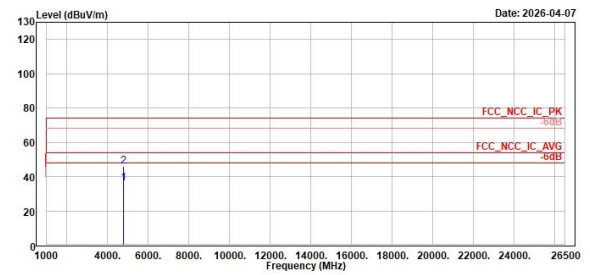
TÜV Rheinland Taiwan Ltd.  
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322



|   | Freq    | Level  | Read  | Level  | Factor | Limit  | Over | APos | TPos    | Remark     | Pol/Phase | Note |
|---|---------|--------|-------|--------|--------|--------|------|------|---------|------------|-----------|------|
|   | MHz     | dBuV/m | dBuV  | dB/m   | dBuV/m | dB     | dB   | cm   | deg     |            |           |      |
| 1 | 4804.00 | 35.61  | 46.46 | -10.85 | 54.00  | -18.39 | 180  | 114  | Average | Horizontal |           |      |
| 2 | 4804.00 | 44.89  | 55.74 | -10.85 | 74.00  | -29.11 | 180  | 114  | Peak    | Horizontal |           |      |



TÜV Rheinland Taiwan Ltd.  
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322



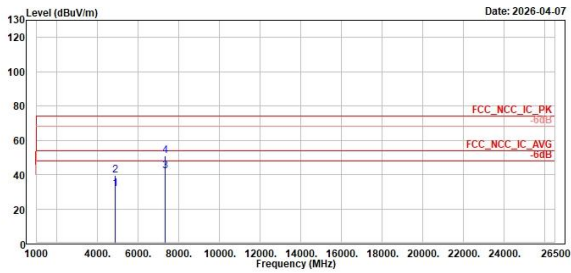
|   | Freq    | Level  | Read  | Level  | Factor | Limit  | Over | APos | TPos    | Remark   | Pol/Phase | Note |
|---|---------|--------|-------|--------|--------|--------|------|------|---------|----------|-----------|------|
|   | MHz     | dBuV/m | dBuV  | dB/m   | dBuV/m | dB     | dB   | cm   | deg     |          |           |      |
| 1 | 4804.00 | 35.98  | 46.83 | -10.85 | 54.00  | -18.02 | 180  | 176  | Average | Vertical |           |      |
| 2 | 4804.00 | 46.10  | 56.95 | -10.85 | 74.00  | -27.90 | 180  | 176  | Peak    | Vertical |           |      |

**BLE\_2M**

**Middle Channel (Horizontal)**



TÜV Rheinland Taiwan Ltd.  
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322

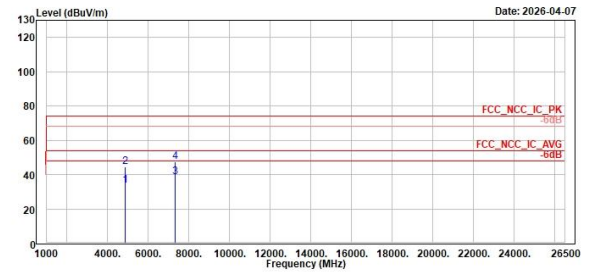


|   | Freq    | Level  | Read  | Factor | Limit  | Over   | APos | TPos | Remark  | Pol/Phase  | Note |
|---|---------|--------|-------|--------|--------|--------|------|------|---------|------------|------|
|   | MHz     | dBuV/m | dBuV  | dB/m   | dBuV/m | dB     | cm   | deg  |         |            |      |
| 1 | 4880.00 | 31.68  | 42.51 | -10.83 | 54.00  | -22.32 | 100  | 182  | Average | Horizontal |      |
| 2 | 4880.00 | 39.77  | 50.60 | -10.83 | 74.00  | -34.23 | 100  | 182  | Peak    | Horizontal |      |
| 3 | 7320.00 | 42.24  | 50.95 | -8.71  | 54.00  | -11.76 | 100  | 186  | Average | Horizontal |      |
| 4 | 7320.00 | 51.01  | 59.72 | -8.71  | 74.00  | -22.99 | 100  | 186  | Peak    | Horizontal |      |

**Middle Channel (Vertical)**



TÜV Rheinland Taiwan Ltd.  
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322



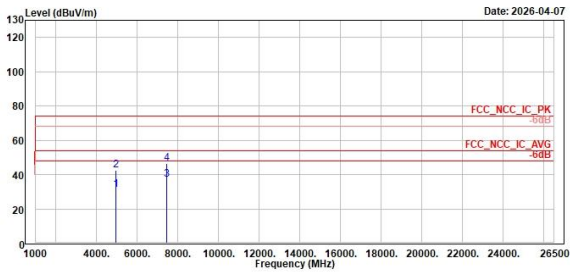
|   | Freq    | Level  | Read  | Factor | Limit  | Over   | APos | TPos | Remark  | Pol/Phase | Note |
|---|---------|--------|-------|--------|--------|--------|------|------|---------|-----------|------|
|   | MHz     | dBuV/m | dBuV  | dB/m   | dBuV/m | dB     | cm   | deg  |         |           |      |
| 1 | 4880.00 | 33.48  | 44.31 | -10.83 | 54.00  | -20.52 | 100  | 163  | Average | Vertical  |      |
| 2 | 4880.00 | 44.45  | 55.28 | -10.83 | 74.00  | -29.55 | 100  | 163  | Peak    | Vertical  |      |
| 3 | 7320.00 | 38.32  | 47.03 | -8.71  | 54.00  | -15.68 | 100  | 265  | Average | Vertical  |      |
| 4 | 7320.00 | 47.56  | 56.27 | -8.71  | 74.00  | -26.44 | 100  | 265  | Peak    | Vertical  |      |

**BLE\_2M**

**High Channel (Horizontal)**



TÜV Rheinland Taiwan Ltd.  
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322

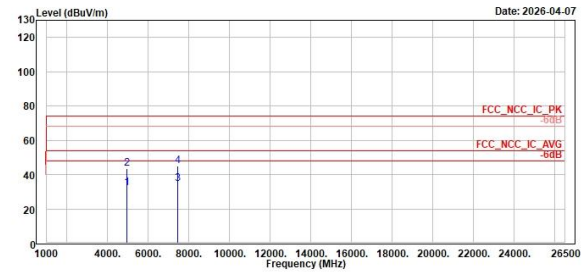


|   | Freq    | Level  | Read  | Factor | Limit  | Over   | APos | TPos | Remark  | Pol/Phase  | Note |
|---|---------|--------|-------|--------|--------|--------|------|------|---------|------------|------|
|   | MHz     | dBuV/m | dBuV  | dB/m   | dBuV/m | dB     | cm   | deg  |         |            |      |
| 1 | 4960.00 | 31.33  | 41.85 | -10.52 | 54.00  | -22.67 | 100  | 28   | Average | Horizontal |      |
| 2 | 4960.00 | 42.63  | 53.15 | -10.52 | 74.00  | -31.37 | 100  | 28   | Peak    | Horizontal |      |
| 3 | 7440.00 | 37.23  | 45.94 | -8.71  | 54.00  | -16.77 | 100  | 349  | Average | Horizontal |      |
| 4 | 7440.00 | 46.23  | 54.94 | -8.71  | 74.00  | -27.77 | 100  | 349  | Peak    | Horizontal |      |

**High Channel (Vertical)**



TÜV Rheinland Taiwan Ltd.  
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322



|   | Freq    | Level  | Read  | Factor | Limit  | Over   | APos | TPos | Remark  | Pol/Phase | Note |
|---|---------|--------|-------|--------|--------|--------|------|------|---------|-----------|------|
|   | MHz     | dBuV/m | dBuV  | dB/m   | dBuV/m | dB     | cm   | deg  |         |           |      |
| 1 | 4960.00 | 32.34  | 42.86 | -10.52 | 54.00  | -21.66 | 100  | 169  | Average | Vertical  |      |
| 2 | 4960.00 | 43.62  | 54.14 | -10.52 | 74.00  | -30.38 | 100  | 169  | Peak    | Vertical  |      |
| 3 | 7440.00 | 34.59  | 43.30 | -8.71  | 54.00  | -19.41 | 100  | 339  | Average | Vertical  |      |
| 4 | 7440.00 | 45.03  | 53.74 | -8.71  | 74.00  | -28.97 | 100  | 339  | Peak    | Vertical  |      |

**<EUT with charger>**

**Spurious Emissions, Charge Mode, 30MHz ~ 1GHz**

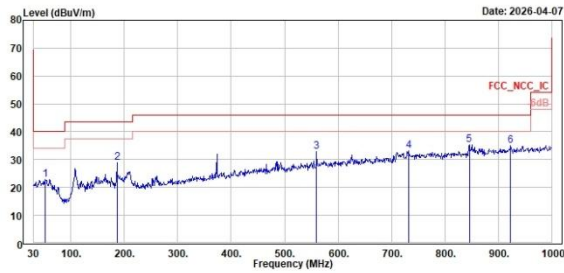
**Charge**

**(Horizontal)**

**(Vertical)**



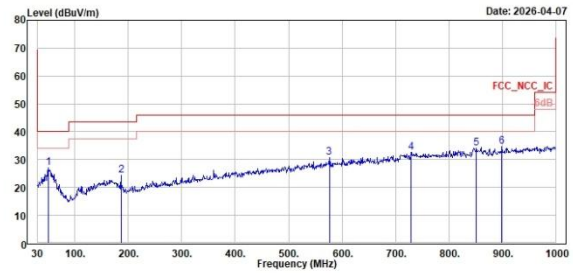
TÜV Rheinland Taiwan Ltd.  
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322



|   | Freq   | Level  | Read  | Limit | Over   | APos   | TPos | Remark   | Pol/Phase  | Note |
|---|--------|--------|-------|-------|--------|--------|------|----------|------------|------|
|   | MHz    | dBuV/m | dBuV  | dB/m  | dBuV/m | dB     | cm   | deg      |            |      |
| 1 | 51.34  | 22.78  | 28.66 | -5.88 | 40.00  | -17.22 | 180  | 360 Peak | Horizontal |      |
| 2 | 186.17 | 28.90  | 36.75 | -7.85 | 43.50  | -14.60 | 200  | 206 Peak | Horizontal |      |
| 3 | 559.62 | 32.72  | 33.06 | -0.34 | 46.00  | -13.28 | 100  | 188 Peak | Horizontal |      |
| 4 | 732.28 | 33.19  | 30.48 | 2.71  | 46.00  | -12.81 | 101  | 360 Peak | Horizontal |      |
| 5 | 845.77 | 35.39  | 31.36 | 4.03  | 46.00  | -10.61 | 200  | 204 Peak | Horizontal |      |
| 6 | 923.37 | 34.89  | 29.80 | 5.09  | 46.00  | -11.11 | 200  | 289 Peak | Horizontal |      |



TÜV Rheinland Taiwan Ltd.  
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322



|   | Freq   | Level  | Read  | Limit | Over   | APos   | TPos | Remark   | Pol/Phase | Note |
|---|--------|--------|-------|-------|--------|--------|------|----------|-----------|------|
|   | MHz    | dBuV/m | dBuV  | dB/m  | dBuV/m | dB     | cm   | deg      |           |      |
| 1 | 50.37  | 26.96  | 32.95 | -5.99 | 40.00  | -13.04 | 180  | 225 Peak | Vertical  |      |
| 2 | 186.17 | 24.34  | 32.19 | -7.85 | 43.50  | -19.16 | 200  | 324 Peak | Vertical  |      |
| 3 | 576.11 | 30.76  | 30.68 | 0.08  | 46.00  | -15.24 | 100  | 4 Peak   | Vertical  |      |
| 4 | 729.37 | 32.59  | 29.90 | 2.69  | 46.00  | -13.41 | 200  | 286 Peak | Vertical  |      |
| 5 | 851.59 | 33.97  | 29.73 | 4.24  | 46.00  | -12.03 | 200  | 154 Peak | Vertical  |      |
| 6 | 899.12 | 34.62  | 29.82 | 4.80  | 46.00  | -11.38 | 100  | 130 Peak | Vertical  |      |

## Mains Conducted Emission, Charge Mode, 150kHz ~ 30MHz

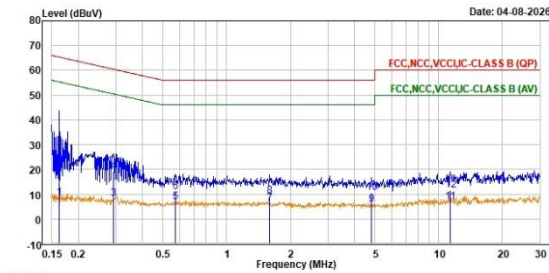
### Worst Band

#### (Line)

#### (Neutral)



TÜV Rheinland Taiwan Ltd.  
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322



TÜV Rheinland Taiwan Ltd.  
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322

