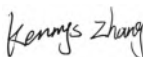


## FCC AND ISCED CERTIFICATION TEST REPORT

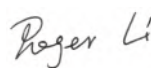
|                             |                                                                                                                                                                                                                                                   |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Applicant:</b>           | Guangzhou Shikun Electronics Co., Ltd                                                                                                                                                                                                             |
| <b>Address:</b>             | NO.6 Liankun Road, Huangpu District, Guangzhou, China                                                                                                                                                                                             |
| <b>Manufacturer:</b>        | Guangzhou Shikun Electronics Co., Ltd                                                                                                                                                                                                             |
| <b>Address:</b>             | NO.6 Liankun Road, Huangpu District, Guangzhou, China                                                                                                                                                                                             |
| <b>Product Description:</b> | IEEE 802.11 a/b/g/n/ac/ax 1T1R USB Wi-Fi Module Integrated BT 2.1+EDR3.0/4.x/5.3/5.4                                                                                                                                                              |
| <b>Brand Name:</b>          | N/A                                                                                                                                                                                                                                               |
| <b>Tested Model:</b>        | SKI.WB800D80S.1_D40                                                                                                                                                                                                                               |
| <b>FCC ID:</b>              | 2AR82-SKIWBD40S1                                                                                                                                                                                                                                  |
| <b>IC:</b>                  | 24728-SKIWBD40S1                                                                                                                                                                                                                                  |
| <b>Report No.:</b>          | JCF260807021-004                                                                                                                                                                                                                                  |
| <b>Received Date:</b>       | Aug. 07, 2026                                                                                                                                                                                                                                     |
| <b>Tested Date:</b>         | Aug. 07, 2026 - Sep. 08, 2026                                                                                                                                                                                                                     |
| <b>Issued Date:</b>         | Sep. 08, 2026                                                                                                                                                                                                                                     |
| <b>Test Standards:</b>      | FCC Rules and Regulations Part 15 Subpart E,<br>RSS-247 Issue 4 July 2025                                                                                                                                                                         |
| <b>Test Procedure:</b>      | ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to<br>C63.10a-2024,<br>789033 D02 General U-NII Test Procedures New Rules v02r01,<br>662911 D01 Multiple Transmitter Output v02r01,<br>RSS-Gen Issue 5 A2, Feb. 2021<br>ETSI EN 301 893 V2.2.1 |
| <b>Test Result:</b>         | Pass                                                                                                                                                                                                                                              |

**Prepared By:**



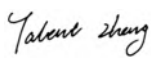
Kennys Zhang/Engineer **Date:** Sep. 08, 2026

**Reviewed By:**



Roger Li/Engineer **Date:** Sep. 08, 2026

**Approved By:**



Talent Zhang/Engineer **Date:** Sep. 08, 2026

Note: The test results in this report apply exclusively to the tested model / sample. Without written approval of Guangzhou Jingce Testing Technology Co., Ltd. the test report shall not be reproduced except in full.

**Report Revise Record**

| Report Version | Revise Time | Issued Date   | Valid Version   | Notes |
|----------------|-------------|---------------|-----------------|-------|
| --             | /           | Sep. 08, 2026 | Original Report | /     |

## Table of Contents

|                                                                 |            |
|-----------------------------------------------------------------|------------|
| <b>1. Test Report Declare .....</b>                             | <b>5</b>   |
| <b>2. Summary of test results .....</b>                         | <b>6</b>   |
| <b>3. Test Laboratory .....</b>                                 | <b>6</b>   |
| <b>4. Equipment Under Test .....</b>                            | <b>7</b>   |
| 4.1. Description of EUT .....                                   | 7          |
| 4.2. Channel List .....                                         | 7          |
| 4.3. Test Channel Configuration .....                           | 8          |
| 4.4. Test Environment Conditions .....                          | 10         |
| 4.5. The Worse Case Power Setting Parameter .....               | 11         |
| 4.6. Description of Available Antennas .....                    | 13         |
| <b>5. Description of Test Setup .....</b>                       | <b>13</b>  |
| 5.1. Accessory .....                                            | 13         |
| 5.2. Support Equipment .....                                    | 13         |
| 5.3. Test Setup .....                                           | 13         |
| 5.4. Setup Diagram for Tests .....                              | 13         |
| <b>6. Measurement uncertainty .....</b>                         | <b>14</b>  |
| <b>7. Measuring Instrument and Software Used .....</b>          | <b>14</b>  |
| <b>8. Duty Cycle .....</b>                                      | <b>16</b>  |
| 8.1. Block Diagram of Test Setup .....                          | 16         |
| 8.2. Limits .....                                               | 16         |
| 8.3. Procedure .....                                            | 16         |
| 8.4. Results .....                                              | 16         |
| 8.5. Original Test Data .....                                   | 18         |
| <b>9. 26dB Bandwidth, 6dB Bandwidth and 99% Bandwidth .....</b> | <b>46</b>  |
| 9.1. Block Diagram of Test Setup .....                          | 46         |
| 9.2. Limits .....                                               | 46         |
| 9.3. Test Procedure .....                                       | 46         |
| 9.4. Test Result .....                                          | 46         |
| 9.5. Original Test Data .....                                   | 51         |
| <b>10. Maximum Output Power .....</b>                           | <b>108</b> |
| 10.1. Block Diagram of Test Setup .....                         | 108        |
| 10.2. Limits .....                                              | 108        |
| 10.3. Test Procedure .....                                      | 108        |
| 10.4. Test Result .....                                         | 109        |
| <b>11. Power Spectral Density .....</b>                         | <b>111</b> |
| 11.1. Block Diagram of Test Setup .....                         | 111        |
| 11.2. Limits .....                                              | 111        |
| 11.3. Test Procedure .....                                      | 111        |
| 11.4. Test Result .....                                         | 112        |
| 11.5. Original Test Data .....                                  | 114        |
| <b>12. Frequency Stability Measurement .....</b>                | <b>145</b> |
| 12.1. Block Diagram of Test Setup .....                         | 145        |
| 12.2. Limit of Frequency Stability .....                        | 145        |
| 12.3. Test Procedures .....                                     | 145        |
| 12.4. Test Result .....                                         | 145        |
| <b>13. Radiated Emission .....</b>                              | <b>151</b> |
| 13.1. Block Diagram of Test Setup .....                         | 151        |
| 13.2. Limit .....                                               | 152        |
| 13.3. Test Procedure .....                                      | 153        |
| 13.4. Test Result .....                                         | 155        |
| 13.5. Original Test Data .....                                  | 156        |
| <b>14. AC Power Line Conducted Emissions .....</b>              | <b>161</b> |

|                                                                                           |            |
|-------------------------------------------------------------------------------------------|------------|
| 14.1. Block Diagram of Test Setup .....                                                   | 161        |
| 14.2. Limits .....                                                                        | 161        |
| 14.3. Test Procedure .....                                                                | 161        |
| 14.4. Test Result .....                                                                   | 162        |
| 14.5. Original Test Data .....                                                            | 162        |
| <b>15. Dynamic Frequency Selection .....</b>                                              | <b>163</b> |
| 15.1. Applicability of DFS Requirements .....                                             | 163        |
| 15.2. Limit .....                                                                         | 163        |
| 15.3. Parameters of Radar Test Waveform .....                                             | 165        |
| 15.4. Calibration of Radar Waveform .....                                                 | 166        |
| 15.5. Channel Closing Transmission Time, Channel Move Time and Non-Occupancy Period ..... | 168        |
| 15.6. Test Setup .....                                                                    | 172        |
| 15.7. Test Result .....                                                                   | 172        |
| <b>16. Antenna Requirements .....</b>                                                     | <b>176</b> |
| 16.1. Applicable Requirements .....                                                       | 176        |
| 16.2. Result .....                                                                        | 176        |
| <b>APPENDIX A - Radiated Emission Below 1GHz Test Data .....</b>                          | <b>177</b> |
| <b>APPENDIX B - Radiated Emission Above 1GHz Test Data .....</b>                          | <b>185</b> |
| <b>APPENDIX C - AC Power Line Conducted Emission Test Data .....</b>                      | <b>305</b> |

## 1. Test Report Declare

|                                |                                                                                      |
|--------------------------------|--------------------------------------------------------------------------------------|
| <b>Applicant:</b>              | Guangzhou Shikun Electronics Co., Ltd                                                |
| <b>Address:</b>                | NO.6 Liankun Road, Huangpu District, Guangzhou, China                                |
| <b>Manufacturer:</b>           | Guangzhou Shikun Electronics Co., Ltd                                                |
| <b>Address:</b>                | NO.6 Liankun Road, Huangpu District, Guangzhou, China                                |
| <b>Product Name:</b>           | IEEE 802.11 a/b/g/n/ac/ax 1T1R USB Wi-Fi Module Integrated BT 2.1+EDR3.0/4.x/5.3/5.4 |
| <b>Brand Name:</b>             | N/A                                                                                  |
| <b>Model Name:</b>             | SKI.WB800D80S.1_D40                                                                  |
| <b>Difference Description:</b> | N/A                                                                                  |

### We Declare:

The equipment described above is tested by Guangzhou Jingce Testing Technology Co., Ltd. and in the configuration tested the equipment complied with the standards specified above. The test results are contained in this test report and Guangzhou Jingce Testing Technology Co., Ltd. is assumed of full responsibility for the accuracy and completeness of these tests except as provided information by clients.

## 2. Summary of test results

| The EUT have been tested according to the applicable standards as referenced below.                                                             |                                          |                                                                                        |         |
|-------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|----------------------------------------------------------------------------------------|---------|
| Clause                                                                                                                                          | Description of Test Item                 | Standard                                                                               | Verdict |
| 1                                                                                                                                               | 6/26dB Bandwidth                         | FCC 15.407 (a)&(e)<br>RSS-247 Clause 7.3                                               | Pass    |
| 2                                                                                                                                               | 99% Occupied Bandwidth                   | RSS-Gen Clause 6.7                                                                     | Pass    |
| 3                                                                                                                                               | Maximum Conducted Output Power & EIRP    | FCC 15.407 (a)<br>RSS-247 Clause 7.3                                                   | Pass    |
| 4                                                                                                                                               | Power Spectral Density                   | FCC 15.407 (a)<br>RSS-247 Clause 7.3                                                   | Pass    |
| 5                                                                                                                                               | Frequency Stability Measurement          | FCC 15.407 (g)<br>RSS-Gen Clause 6.11                                                  | Pass    |
| 6                                                                                                                                               | Radiated Band edge and Spurious Emission | FCC 15.407 (b)<br>FCC 15.209<br>FCC 15.205<br>RSS-247 Clause 7.3<br>RSS-GEN Clause 8.9 | Pass    |
| 7                                                                                                                                               | Power Line Conducted Emission            | FCC 15.207<br>RSS-GEN Clause 8.8                                                       | Pass    |
| 8                                                                                                                                               | Antenna requirement                      | FCC 15.203<br>RSS-GEN Clause 6.8                                                       | Pass    |
| 9                                                                                                                                               | Dynamic Frequency Selection              | FCC 15.407 (h)<br>RSS-247 Clause 7.3.6                                                 | Pass    |
| Note: This report was tested strictly in accordance with the standards, without any additions, deviations or omissions to the standard content. |                                          |                                                                                        |         |

## 3. Test Laboratory

Guangzhou Jingce Testing Technology Co., Ltd.

Add.: No.10, Hefeng No.1 street, Huangpu District, Guangzhou, Guangdong, People's Republic of China

Association for Laboratory Accreditation(A2LA). Certificate Number: 6594.03

FCC Designation Number: CN1381. Test Firm Registration Number: 486550

IC Test Firm Registration Number: 31808

Conformity Assessment Body identifier: CN0173

## 4. Equipment Under Test

### 4.1. Description of EUT

|                                  |                                                                                                                                                                                                                                                                         |                                     |  |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|--|
| <b>EUT Name:</b>                 | IEEE 802.11 a/b/g/n/ac/ax 1T1R USB Wi-Fi Module Integrated BT 2.1+EDR3.0/4.x/5.3/5.4                                                                                                                                                                                    |                                     |  |
| <b>Model Number:</b>             | SKI.WB800D80S.1_D40                                                                                                                                                                                                                                                     |                                     |  |
| <b>EUT Function Description:</b> | Please refer to user manual of this device                                                                                                                                                                                                                              |                                     |  |
| <b>Power Supply:</b>             | DC 3.3± 0.3V                                                                                                                                                                                                                                                            |                                     |  |
| <b>Sample No.:</b>               | 260807021-01-01                                                                                                                                                                                                                                                         |                                     |  |
| <b>Hardware Version:</b>         | N/A                                                                                                                                                                                                                                                                     |                                     |  |
| <b>Software Version:</b>         | N/A                                                                                                                                                                                                                                                                     |                                     |  |
| <b>Radio Specification:</b>      | IEEE 802.11a/n/ac/ax                                                                                                                                                                                                                                                    |                                     |  |
| <b>Operation Frequency:</b>      | IEEE 802.11a: 5180MHz—5825MHz<br>IEEE 802.11n HT20: 5180MHz—5825MHz<br>IEEE 802.11n HT40: 5190MHz—5795MHz<br>IEEE 802.11ac VHT20: 5180MHz—5825MHz<br>IEEE 802.11ac VHT40: 5190MHz—5795MHz<br>IEEE 802.11ax HE20: 5180MHz—5825MHz<br>IEEE 802.11ax HE40: 5190MHz—5795MHz |                                     |  |
| <b>Modulation:</b>               | IEEE 802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK)<br>IEEE 802.11n HT20, HT40: OFDM (64QAM, 16QAM, QPSK, BPSK)<br>IEEE 802.11ac (VHT20/40): OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK)<br>IEEE 802.11ax (HE20/40): OFDMA (1024QAM, 256QAM, 64QAM, 16QAM, QPSK, BPSK)            |                                     |  |
| <b>Support RU:</b>               | <input checked="" type="checkbox"/> Full RU                                                                                                                                                                                                                             | <input type="checkbox"/> Partial RU |  |
| <b>Antenna Type:</b>             | PIFA Antenna, MAX. Gain: 4.05 dBi                                                                                                                                                                                                                                       |                                     |  |

Note 1: EUT is the ab. of equipment under test.

Note 2: The antenna gain is declared by the customer and the laboratory is not responsible for the accuracy of the antenna gain.

### 4.2. Channel List

| UNII-1<br>(For Bandwidth = 20 MHz) |                 | UNII-1<br>(For Bandwidth = 40 MHz) |                 |
|------------------------------------|-----------------|------------------------------------|-----------------|
| Channel                            | Frequency (MHz) | Channel                            | Frequency (MHz) |
| 36                                 | 5180            | 38                                 | 5190            |
| 40                                 | 5200            | 46                                 | 5230            |
| 44                                 | 5220            | /                                  | /               |
| 48                                 | 5240            | /                                  | /               |
| UNII-1<br>(For Bandwidth = 80 MHz) |                 |                                    |                 |
| Channel                            |                 | Frequency (MHz)                    |                 |
| 42                                 |                 | 5210                               |                 |

| UNII-2A<br>(For Bandwidth = 20 MHz) |                 | UNII-2A<br>(For Bandwidth = 40 MHz) |                 |
|-------------------------------------|-----------------|-------------------------------------|-----------------|
| Channel                             | Frequency (MHz) | Channel                             | Frequency (MHz) |
| 52                                  | 5260            | 54                                  | 5270            |
| 56                                  | 5280            | 62                                  | 5310            |

|    |      |   |   |
|----|------|---|---|
| 60 | 5300 | / | / |
| 64 | 5320 | / | / |

| UNII-2C<br>(For Bandwidth = 20 MHz) |                 | UNII-2C<br>(For Bandwidth = 40 MHz) |                 |
|-------------------------------------|-----------------|-------------------------------------|-----------------|
| Channel                             | Frequency (MHz) | Channel                             | Frequency (MHz) |
| 100                                 | 5500            | 102                                 | 5510            |
| 104                                 | 5520            | 110                                 | 5550            |
| 108                                 | 5540            | 118                                 | 5590            |
| 112                                 | 5560            | 126                                 | 5630            |
| 116                                 | 5580            | 134                                 | 5670            |
| 120                                 | 5600            | 142                                 | 5710            |
| 124                                 | 5620            | /                                   | /               |
| 128                                 | 5640            | /                                   | /               |
| 132                                 | 5660            | /                                   | /               |
| 136                                 | 5680            | /                                   | /               |
| 140                                 | 5700            | /                                   | /               |
| 144                                 | 5720            | /                                   | /               |

| UNII-3<br>(For Bandwidth = 20 MHz) |                 | UNII-3<br>(For Bandwidth = 40 MHz) |                 |
|------------------------------------|-----------------|------------------------------------|-----------------|
| Channel                            | Frequency (MHz) | Channel                            | Frequency (MHz) |
| 149                                | 5745            | 151                                | 5755            |
| 153                                | 5765            | 159                                | 5795            |
| 157                                | 5785            | /                                  | /               |
| 161                                | 5805            | /                                  | /               |
| 165                                | 5825            | /                                  | /               |

### 4.3. Test Channel Configuration

| Mode            | Data rate (Mbps)<br>(see Note) | Test Channel and Frequency |
|-----------------|--------------------------------|----------------------------|
| 802.11a TX Mode | 6                              | CH36, 5180                 |
|                 | 6                              | CH44, 5220                 |
|                 | 6                              | CH48, 5240                 |
|                 | 6                              | CH52, 5260                 |
|                 | 6                              | CH60, 5300                 |
|                 | 6                              | CH64, 5320                 |
|                 | 6                              | CH100, 5500                |
|                 | 6                              | CH116, 5580                |
|                 | 6                              | CH140, 5700                |
|                 | 6                              | CH144, 5720                |
|                 | 6                              | CH149, 5745                |

|                        |       |             |
|------------------------|-------|-------------|
|                        | 6     | CH157, 5785 |
|                        | 6     | CH165, 5825 |
| 802.11n HT20 TX Mode   | MCS 8 | CH36, 5180  |
|                        | MCS 8 | CH44, 5220  |
|                        | MCS 8 | CH48, 5240  |
|                        | MCS 8 | CH52, 5260  |
|                        | MCS 8 | CH60, 5300  |
|                        | MCS 8 | CH64, 5320  |
|                        | MCS 8 | CH100, 5500 |
|                        | MCS 8 | CH116, 5580 |
|                        | MCS 8 | CH140, 5700 |
|                        | MCS 8 | CH144, 5720 |
|                        | MCS 8 | CH149, 5745 |
|                        | MCS 8 | CH157, 5785 |
|                        | MCS 8 | CH165, 5825 |
|                        | MCS 8 | CH38, 5190  |
| 802.11n HT40 TX Mode   | MCS 8 | CH46, 5230  |
|                        | MCS 8 | CH54, 5270  |
|                        | MCS 8 | CH62, 5310  |
|                        | MCS 8 | CH102, 5510 |
|                        | MCS 8 | CH110, 5550 |
|                        | MCS 8 | CH134, 5670 |
|                        | MCS 8 | CH142, 5710 |
|                        | MCS 8 | CH151, 5755 |
|                        | MCS 8 | CH159, 5795 |
|                        | MCS 0 | CH36, 5180  |
| 802.11ac VHT20 TX Mode | MCS 0 | CH44, 5220  |
|                        | MCS 0 | CH48, 5240  |
|                        | MCS 0 | CH52, 5260  |
|                        | MCS 0 | CH60, 5300  |
|                        | MCS 0 | CH64, 5320  |
|                        | MCS 0 | CH100, 5500 |
|                        | MCS 0 | CH116, 5580 |
|                        | MCS 0 | CH140, 5700 |
|                        | MCS 0 | CH140, 5720 |
|                        | MCS 0 | CH149, 5745 |
|                        | MCS 0 | CH157, 5785 |
|                        | MCS 0 | CH165, 5825 |
|                        | MCS 0 | CH38, 5190  |
|                        | MCS 0 | CH46, 5230  |
| 802.11ac VHT40 TX Mode | MCS 0 | CH54, 5270  |

|                                                                                                                                     |       |             |
|-------------------------------------------------------------------------------------------------------------------------------------|-------|-------------|
|                                                                                                                                     | MCS 0 | CH62, 5310  |
|                                                                                                                                     | MCS 0 | CH102, 5510 |
|                                                                                                                                     | MCS 0 | CH110, 5550 |
|                                                                                                                                     | MCS 0 | CH134, 5670 |
|                                                                                                                                     | MCS 0 | CH142, 5710 |
|                                                                                                                                     | MCS 0 | CH151, 5755 |
|                                                                                                                                     | MCS 0 | CH159, 5795 |
| 802.11ax HE20 TX Mode                                                                                                               | MCS 0 | CH36, 5180  |
|                                                                                                                                     | MCS 0 | CH44, 5220  |
|                                                                                                                                     | MCS 0 | CH48, 5240  |
|                                                                                                                                     | MCS 0 | CH52, 5260  |
|                                                                                                                                     | MCS 0 | CH60, 5300  |
|                                                                                                                                     | MCS 0 | CH64, 5320  |
|                                                                                                                                     | MCS 0 | CH100, 5500 |
|                                                                                                                                     | MCS 0 | CH116, 5580 |
|                                                                                                                                     | MCS 0 | CH140, 5700 |
|                                                                                                                                     | MCS 0 | CH144, 5720 |
|                                                                                                                                     | MCS 0 | CH149, 5745 |
|                                                                                                                                     | MCS 0 | CH157, 5785 |
|                                                                                                                                     | MCS 0 | CH165, 5825 |
| 802.11ax HE40 TX Mode                                                                                                               | MCS 0 | CH38, 5190  |
|                                                                                                                                     | MCS 0 | CH46, 5230  |
|                                                                                                                                     | MCS 0 | CH54, 5270  |
|                                                                                                                                     | MCS 0 | CH62, 5310  |
|                                                                                                                                     | MCS 0 | CH102, 5510 |
|                                                                                                                                     | MCS 0 | CH110, 5550 |
|                                                                                                                                     | MCS 0 | CH134, 5670 |
|                                                                                                                                     | MCS 0 | CH142, 5710 |
|                                                                                                                                     | MCS 0 | CH151, 5755 |
|                                                                                                                                     | MCS 0 | CH159, 5795 |
| Note: According exploratory test, EUT will have maximum output power in those data rate, so those data rate were used for all test. |       |             |

#### 4.4. Test Environment Conditions

During the measurement the environmental conditions were within the listed ranges:

|                   | Normal Conditions | Extreme Conditions |
|-------------------|-------------------|--------------------|
| Temperature range | 21-25 °C          | -10 °C to +70 °C   |
| Humidity range    | 40-75%            | N/A                |
| Pressure range    | 86-106 kPa        | N/A                |
| Power supply      | DC 3.3V           | N/A                |

Note: The Extreme temperature range and extreme voltages are declared by the manufacturer.

#### 4.5. The Worse Case Power Setting Parameter

| The Worse Case Power Setting Parameter |                    |                |
|----------------------------------------|--------------------|----------------|
| Test Software                          | VMware Workstation |                |
| Mode                                   | Channel            | Soft set value |
|                                        |                    | ANT0           |
| 802.11a                                | 36                 | 2 0 4 16       |
|                                        | 40                 | 2 0 4 16       |
|                                        | 48                 | 2 0 4 16       |
|                                        | 52                 | 2 0 4 16       |
|                                        | 56                 | 2 0 4 16       |
|                                        | 64                 | 2 0 4 16       |
|                                        | 100                | 2 0 4 16       |
|                                        | 116                | 2 0 4 16       |
|                                        | 140                | 2 0 4 15       |
|                                        | 144                | 2 0 4 16       |
|                                        | 149                | 2 0 4 16       |
|                                        | 157                | 2 0 4 16       |
|                                        | 165                | 2 0 4 16       |
| 802.11n HT20                           | 36                 | 2 1 0 16       |
|                                        | 40                 | 2 1 0 16       |
|                                        | 48                 | 2 1 0 16       |
|                                        | 52                 | 2 1 0 16       |
|                                        | 56                 | 2 1 0 16       |
|                                        | 64                 | 2 1 0 16       |
|                                        | 100                | 2 1 0 16       |
|                                        | 116                | 2 1 0 16       |
|                                        | 140                | 2 1 0 14       |
|                                        | 144                | 2 1 0 16       |
|                                        | 149                | 2 1 0 16       |
|                                        | 157                | 2 1 0 16       |
|                                        | 165                | 2 1 0 16       |
| 802.11n HT40                           | 38                 | 2 1 0 14       |
|                                        | 46                 | 2 1 0 16       |
|                                        | 54                 | 2 1 0 16       |
|                                        | 62                 | 2 1 0 16       |
|                                        | 102                | 2 1 0 16       |
|                                        | 110                | 2 1 0 16       |
|                                        | 134                | 2 1 0 16       |
|                                        | 142                | 2 1 0 16       |
|                                        | 151                | 2 1 0 16       |
|                                        | 159                | 2 1 0 16       |

|                |     |          |
|----------------|-----|----------|
| 802.11ac VHT20 | 36  | 2 1 0 16 |
|                | 40  | 2 1 0 16 |
|                | 48  | 2 1 0 16 |
|                | 52  | 2 1 0 16 |
|                | 56  | 2 1 0 16 |
|                | 64  | 2 1 0 16 |
|                | 100 | 2 1 0 16 |
|                | 116 | 2 1 0 16 |
|                | 140 | 2 1 0 14 |
|                | 144 | 2 1 0 16 |
|                | 149 | 2 1 0 16 |
|                | 157 | 2 1 0 16 |
|                | 165 | 2 1 0 16 |
| 802.11ac VHT40 | 38  | 2 1 0 14 |
|                | 46  | 2 1 0 16 |
|                | 54  | 2 1 0 16 |
|                | 62  | 2 1 0 16 |
|                | 102 | 2 1 0 16 |
|                | 110 | 2 1 0 16 |
|                | 134 | 2 1 0 16 |
|                | 144 | 2 1 0 16 |
|                | 151 | 2 1 0 16 |
|                | 159 | 2 1 0 16 |
| 802.11ax HE20  | 36  | 2 2 0 16 |
|                | 40  | 2 2 0 16 |
|                | 48  | 2 2 0 16 |
|                | 52  | 2 2 0 16 |
|                | 56  | 2 2 0 16 |
|                | 64  | 2 2 0 16 |
|                | 100 | 2 2 0 16 |
|                | 116 | 2 2 0 16 |
|                | 140 | 2 2 0 14 |
|                | 144 | 2 2 0 16 |
|                | 149 | 2 2 0 16 |
|                | 157 | 2 2 0 16 |
|                | 165 | 2 2 0 16 |
| 802.11ax HE40  | 38  | 2 2 0 13 |
|                | 46  | 2 2 0 16 |
|                | 54  | 2 2 0 16 |
|                | 62  | 2 2 0 16 |
|                | 102 | 2 2 0 16 |

|  |     |          |
|--|-----|----------|
|  | 110 | 2 2 0 16 |
|  | 134 | 2 2 0 14 |
|  | 142 | 2 2 0 16 |
|  | 151 | 2 2 0 16 |
|  | 159 | 2 2 0 16 |

#### 4.6. Description of Available Antennas

| Test Mode      | Transmit and Receive Mode | Description                                              |
|----------------|---------------------------|----------------------------------------------------------|
| 802.11a        | ☒ 1TX, 1RX                | Antenna 1 can be used as transmitting/receiving antenna. |
| 802.11n HT20   | ☒ 1TX, 1RX                | Antenna 1 can be used as transmitting/receiving antenna. |
| 802.11n HT40   | ☒ 1TX, 1RX                | Antenna 1 can be used as transmitting/receiving antenna. |
| 802.11ac VHT20 | ☒ 1TX, 1RX                | Antenna 1 can be used as transmitting/receiving antenna. |
| 802.11ac VHT40 | ☒ 1TX, 1RX                | Antenna 1 can be used as transmitting/receiving antenna. |
| 802.11ax HE20  | ☒ 1TX, 1RX                | Antenna 1 can be used as transmitting/receiving antenna. |
| 802.11ax HE40  | ☒ 1TX, 1RX                | Antenna 1 can be used as transmitting/receiving antenna. |

### 5. Description of Test Setup

#### 5.1. Accessory

| Description of Accessories | Manufacturer | Model Number | Description | Remark |
|----------------------------|--------------|--------------|-------------|--------|
| /                          | /            | /            | /           | /      |

#### 5.2. Support Equipment

| Equipment | Brand Name | Model Name | P/N |
|-----------|------------|------------|-----|
| PC        | Lenovo     | T480       | /   |

#### 5.3. Test Setup

The EUT can work in Fixed Frequency mode.

#### 5.4. Setup Diagram for Tests

RF Connect Test:



Radiated Emission Test:



AC Power Line Conducted Emissions Test:



## 6. Measurement uncertainty

| Test Item                    | Uncertainty |
|------------------------------|-------------|
| AC Power Conduction emission | 1.37 dB     |
| All Radiated emissions       | 5.4dB       |
| Conducted emissions          | 3.09 dB     |
| Occupied Channel Bandwidth   | 1.1%        |
| Conducted Output power       | 0.82dB      |
| Power Spectral Density       | 0.82dB      |

Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95 % confidence level using a coverage factor of  $k = 2$ .

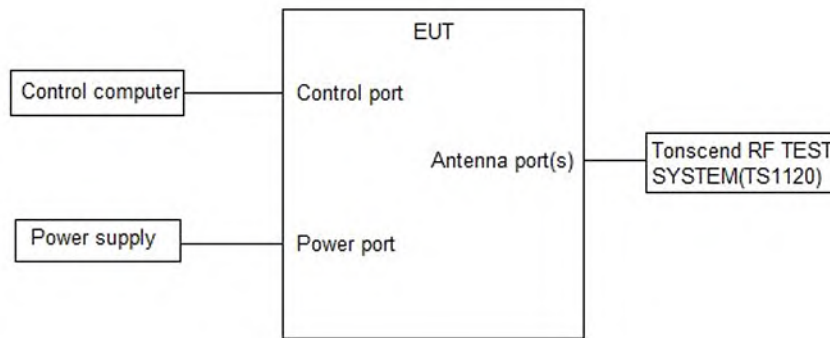
## 7. Measuring Instrument and Software Used

| TS Test System                      |                            |              |           |             |               |               |
|-------------------------------------|----------------------------|--------------|-----------|-------------|---------------|---------------|
| Used                                | Equipment                  | Manufacturer | Model No. | Serial No.  | Last Cal.     | Due. Date     |
| <input checked="" type="checkbox"/> | Spectrum Analyzer          | Keysight     | N9030B    | MY56320512  | Jun. 23, 2026 | Jun. 22, 2027 |
| <input checked="" type="checkbox"/> | Vector Signal Generator    | Keysight     | N5182B    | MY57300334  | Jun. 23, 2026 | Jun. 22, 2027 |
| <input checked="" type="checkbox"/> | Signal Generator           | Keysight     | N5171B    | MY57280639  | Jun. 23, 2026 | Jun. 22, 2027 |
| <input checked="" type="checkbox"/> | DC POWER                   | Keysight     | E342A     | MY59020356  | Jun. 24, 2026 | Jun. 23, 2027 |
| <input checked="" type="checkbox"/> | Incubator thermometer      | GWS          | EL-02JA   | 21107288    | Jun. 23, 2026 | Jun. 22, 2027 |
| <input checked="" type="checkbox"/> | Control unit(Power sensor) | Tonscend     | JS0806-2  | 20L8060342  | Jun. 24, 2026 | Jun. 23, 2027 |
| <input checked="" type="checkbox"/> | Spectrum Analyzer          | Keysight     | N9020B    | MY60112811  | Jun. 23, 2026 | Jun. 22, 2027 |
| <input checked="" type="checkbox"/> | Signal Generator           | Keysight     | N5173B    | MY62220145  | Jun. 23, 2026 | Jun. 22, 2027 |
| <input checked="" type="checkbox"/> | Vector Signal Generator    | Keysight     | N5182B    | MY61252859  | Jun. 23, 2026 | Jun. 22, 2027 |
| <input checked="" type="checkbox"/> | DC POWER                   | Keysight     | E3642A    | MY40005294  | Jun. 24, 2026 | Jun. 23, 2027 |
| <input checked="" type="checkbox"/> | Control unit(Power sensor) | Tonscend     | JS0806-2  | 24F80620865 | Jun. 25, 2026 | Jun. 24, 2027 |
| Software                            |                            |              |           |             |               |               |
| Used                                | Description                | Manufacturer | Name      |             | Version       |               |
| <input checked="" type="checkbox"/> | Test software              | Tonscend     | JS1120-3  |             | V3.3.10       |               |
| RSE Test System                     |                            |              |           |             |               |               |
| Used                                | Equipment                  | Manufacturer | Model No. | Serial No.  | Last Cal.     | Due. Date     |
| <input checked="" type="checkbox"/> | EMI Receiver               | R&S          | ESR26     | 101424      | Nov. 25, 2025 | Nov. 24, 2026 |
| <input checked="" type="checkbox"/> | Hybrid Antenna             | Schwarzbeck  | VULB9163  | 01361       | May. 26, 2026 | May. 25, 2027 |

|                                           |                                 |              |                                             |            |               |               |
|-------------------------------------------|---------------------------------|--------------|---------------------------------------------|------------|---------------|---------------|
| <input checked="" type="checkbox"/>       | Horn Antenna 1                  | Schwarzbeck  | BBHA 9120 D                                 | 02910      | Jul. 17, 2026 | Jul. 16, 2027 |
| <input checked="" type="checkbox"/>       | Horn Antenna 2                  | ETS          | BBHA 9170                                   | 1090       | Jul. 17, 2026 | Jul. 16, 2027 |
| <input checked="" type="checkbox"/>       | loop-antenna                    | Schwarzbeck  | FMZB<br>1513-60                             | 00030      | Jan. 11, 2026 | Jan. 10, 2027 |
| <input checked="" type="checkbox"/>       | Test path                       | /            | Path3:<br>WIFI-5.1G<br>1-6.5GHz             | /          | Jun. 24, 2026 | Jun. 23, 2027 |
| <input checked="" type="checkbox"/>       | Test path                       | /            | Path4:<br>WIFI-5.4G<br>1-6.5GHz             | /          | Jun. 24, 2026 | Jun. 23, 2027 |
| <input checked="" type="checkbox"/>       | Test path                       | /            | Path5:<br>WIFI-5.8G<br>1-6.5GHz             | /          | Jun. 24, 2026 | Jun. 23, 2027 |
| <input checked="" type="checkbox"/>       | Test path                       | /            | Path7: ALL<br>PASS<br>1-18GHz               | /          | Jun. 24, 2026 | Jun. 23, 2027 |
| <input checked="" type="checkbox"/>       | Test path                       | /            | Path10:<br>6.5GHz High<br>PASS<br>6.5-18GHz | /          | Jun. 24, 2026 | Jun. 23, 2027 |
| <input checked="" type="checkbox"/>       | Test path                       | /            | Path16:<br>30MHz-1GHz<br>ALL PASS<br>NO AMP | /          | Jun. 24, 2026 | Jun. 23, 2027 |
| <input checked="" type="checkbox"/>       | Signal<br>Pre-Amplifier         | ETS          | 3116C-PA                                    | 00217677   | Jul. 17, 2026 | Jul. 16, 2027 |
| <input checked="" type="checkbox"/>       | 3m<br>Fully-anechoic<br>Chamber | YIHENG       | 9m*6m*6m                                    | 001        | Sep. 05, 2023 | Sep. 04, 2026 |
| <input checked="" type="checkbox"/>       | 3m<br>Fully-anechoic<br>Chamber | YIHENG       | 9m*6m*6m                                    | 001        | Aug. 14, 2026 | Aug. 13, 2029 |
| Software                                  |                                 |              |                                             |            |               |               |
| Used                                      | Description                     | Manufacturer | Name                                        |            | Version       |               |
| <input checked="" type="checkbox"/>       | Test software                   | Tonscend     | TS+                                         |            | V5.0.0.0      |               |
| Conducted Emission Test For AC Power Port |                                 |              |                                             |            |               |               |
| Used                                      | Equipment                       | Manufacturer | Model No.                                   | Serial No. | Last Cal.     | Due. Date     |
| <input checked="" type="checkbox"/>       | LISN                            | R&S          | ENV216                                      | 102509     | Jun. 23, 2026 | Jun. 22, 2027 |
| <input checked="" type="checkbox"/>       | EMI Receiver                    | R&S          | ESR                                         | 102154     | Jun. 10, 2026 | Jun. 09, 2027 |
| Software                                  |                                 |              |                                             |            |               |               |
| Used                                      | Description                     | Manufacturer | Name                                        |            | Version       |               |
| <input checked="" type="checkbox"/>       | Test software                   | EZ           | EZ-EMC                                      |            | EMEC-3A1      |               |
| Other Instrument                          |                                 |              |                                             |            |               |               |
| Used                                      | Equipment                       | Manufacturer | Model No.                                   | Serial No. | Last Cal.     | Due. Date     |
| <input checked="" type="checkbox"/>       | Temperature &<br>Humidity       | Temperature  | HTC-1                                       | /          | Sep. 20, 2025 | Sep. 21, 2026 |

## 8. Duty Cycle

### 8.1. Block Diagram of Test Setup



Note: The EUT is connected to the Control unit, and then the signal is transmitted through internal circuits to the Spectrum Analyzer.

### 8.2. Limits

None; for reporting purposes only.

### 8.3. Procedure

Refer to KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 section II.B.

The zero-span mode on a spectrum analyzer or EMI receiver, if the response time and spacing between bins on the sweep are sufficient to permit accurate measurements of the on and off times of the transmitted signal.

Set the center frequency of the instrument to the center frequency of the transmission.

Set RBW  $\geq$  EBW if possible; otherwise,

set RBW to the largest available value. Set VBW  $\geq$  RBW.

Set detector = peak or average. The zero-span measurement method shall not be used unless both RBW and VBW are  $> 50/T$ , where T is defined in II.B.1.a), and the number of sweep points across duration T exceeds 100. (For example, if VBW and/or RBW are limited to 3 MHz, then the zero-span method of measuring duty cycle shall not be used if  $T \leq 16.7$  microseconds.)

### 8.4. Results

| Test Mode | Ant. | Freq. (MHz) | Transmission Duration (ms) | Transmission Period (ms) | Duty Cycle (%) |
|-----------|------|-------------|----------------------------|--------------------------|----------------|
| 11A       | Ant1 | 5180        | 1.35                       | 1.88                     | 71.81          |
|           |      | 5200        | 1.36                       | 1.89                     | 71.96          |
|           |      | 5240        | 1.35                       | 1.88                     | 71.81          |
|           |      | 5260        | 1.36                       | 1.89                     | 71.96          |
|           |      | 5280        | 1.37                       | 1.89                     | 72.49          |
|           |      | 5320        | 1.37                       | 1.89                     | 72.49          |
|           |      | 5500        | 1.37                       | 1.89                     | 72.49          |
|           |      | 5580        | 1.36                       | 1.89                     | 71.96          |
|           |      | 5700        | 1.36                       | 1.89                     | 71.96          |
|           |      | 5720        | 1.36                       | 1.89                     | 71.96          |
|           |      | 5745        | 1.37                       | 1.89                     | 72.49          |
|           |      | 5785        | 1.36                       | 1.89                     | 71.96          |
|           |      | 5825        | 1.36                       | 1.89                     | 71.96          |
| 11N20SISO | Ant1 | 5180        | 1.28                       | 1.80                     | 71.11          |
|           |      | 5200        | 1.28                       | 1.80                     | 71.11          |
|           |      | 5240        | 1.28                       | 1.80                     | 71.11          |
|           |      | 5260        | 1.28                       | 1.80                     | 71.11          |
|           |      | 5280        | 1.28                       | 1.80                     | 71.11          |
|           |      | 5320        | 1.28                       | 1.80                     | 71.11          |
|           |      | 5500        | 1.27                       | 1.79                     | 70.95          |

|            |      |      |      |      |       |
|------------|------|------|------|------|-------|
|            |      | 5580 | 1.28 | 1.80 | 71.11 |
|            |      | 5700 | 1.28 | 1.80 | 71.11 |
|            |      | 5720 | 1.28 | 1.80 | 71.11 |
|            |      | 5745 | 1.27 | 1.80 | 70.56 |
|            |      | 5785 | 1.28 | 1.80 | 71.11 |
|            |      | 5825 | 1.27 | 1.80 | 70.56 |
| 11N40SISO  | Ant1 | 5190 | 0.63 | 1.15 | 54.78 |
|            |      | 5230 | 0.64 | 1.16 | 55.17 |
|            |      | 5270 | 0.64 | 1.16 | 55.17 |
|            |      | 5310 | 0.64 | 1.16 | 55.17 |
|            |      | 5510 | 0.64 | 1.16 | 55.17 |
|            |      | 5550 | 0.63 | 1.16 | 54.31 |
|            |      | 5670 | 0.64 | 1.16 | 55.17 |
|            |      | 5710 | 0.63 | 1.15 | 54.78 |
|            |      | 5755 | 0.64 | 1.16 | 55.17 |
| 11AC20SISO | Ant1 | 5795 | 0.64 | 1.16 | 55.17 |
|            |      | 5180 | 1.29 | 1.80 | 71.67 |
|            |      | 5200 | 1.28 | 1.80 | 71.11 |
|            |      | 5240 | 1.29 | 1.81 | 71.27 |
|            |      | 5260 | 1.28 | 1.81 | 70.72 |
|            |      | 5280 | 1.28 | 1.80 | 71.11 |
|            |      | 5320 | 1.28 | 1.81 | 70.72 |
|            |      | 5500 | 1.28 | 1.81 | 70.72 |
|            |      | 5580 | 1.29 | 1.80 | 71.67 |
|            |      | 5700 | 1.28 | 1.81 | 70.72 |
|            |      | 5720 | 1.28 | 1.81 | 70.72 |
|            |      | 5745 | 1.28 | 1.81 | 70.72 |
| 11AC40SISO | Ant1 | 5785 | 1.28 | 1.80 | 71.11 |
|            |      | 5825 | 1.29 | 1.80 | 71.67 |
|            |      | 5190 | 0.64 | 1.16 | 55.17 |
|            |      | 5230 | 0.64 | 1.16 | 55.17 |
|            |      | 5270 | 0.64 | 1.16 | 55.17 |
|            |      | 5310 | 0.64 | 1.16 | 55.17 |
|            |      | 5510 | 0.64 | 1.16 | 55.17 |
|            |      | 5550 | 0.64 | 1.17 | 54.70 |
|            |      | 5670 | 0.64 | 1.16 | 55.17 |
|            |      | 5710 | 0.64 | 1.16 | 55.17 |
| 11AX20SISO | Ant1 | 5755 | 0.64 | 1.17 | 54.70 |
|            |      | 5795 | 0.64 | 1.16 | 55.17 |
|            |      | 5180 | 0.99 | 1.52 | 65.13 |
|            |      | 5200 | 1.00 | 1.52 | 65.79 |
|            |      | 5240 | 0.99 | 1.52 | 65.13 |
|            |      | 5260 | 0.99 | 1.51 | 65.56 |
|            |      | 5280 | 0.99 | 1.52 | 65.13 |
|            |      | 5320 | 1.00 | 1.52 | 65.79 |
|            |      | 5500 | 0.99 | 1.52 | 65.13 |
|            |      | 5580 | 0.99 | 1.52 | 65.13 |
|            |      | 5700 | 1.00 | 1.52 | 65.79 |
|            |      | 5720 | 1.00 | 1.52 | 65.79 |
| 11AX40SISO | Ant1 | 5745 | 0.99 | 1.51 | 65.56 |
|            |      | 5785 | 0.99 | 1.52 | 65.13 |
|            |      | 5825 | 1.00 | 1.52 | 65.79 |
|            |      | 5190 | 0.52 | 1.04 | 50.00 |
|            |      | 5230 | 0.53 | 1.05 | 50.48 |
|            |      | 5270 | 0.52 | 1.05 | 49.52 |
|            |      | 5310 | 0.53 | 1.05 | 50.48 |
|            |      | 5510 | 0.53 | 1.05 | 50.48 |
|            |      | 5550 | 0.53 | 1.05 | 50.48 |
|            |      | 5670 | 0.52 | 1.04 | 50.00 |
|            |      | 5710 | 0.52 | 1.04 | 50.00 |
|            |      |      |      |      |       |

|  |  |      |      |      |       |
|--|--|------|------|------|-------|
|  |  | 5755 | 0.53 | 1.05 | 50.48 |
|  |  | 5795 | 0.53 | 1.05 | 50.48 |

Note: Offset=cable loss + Test system insertion loss

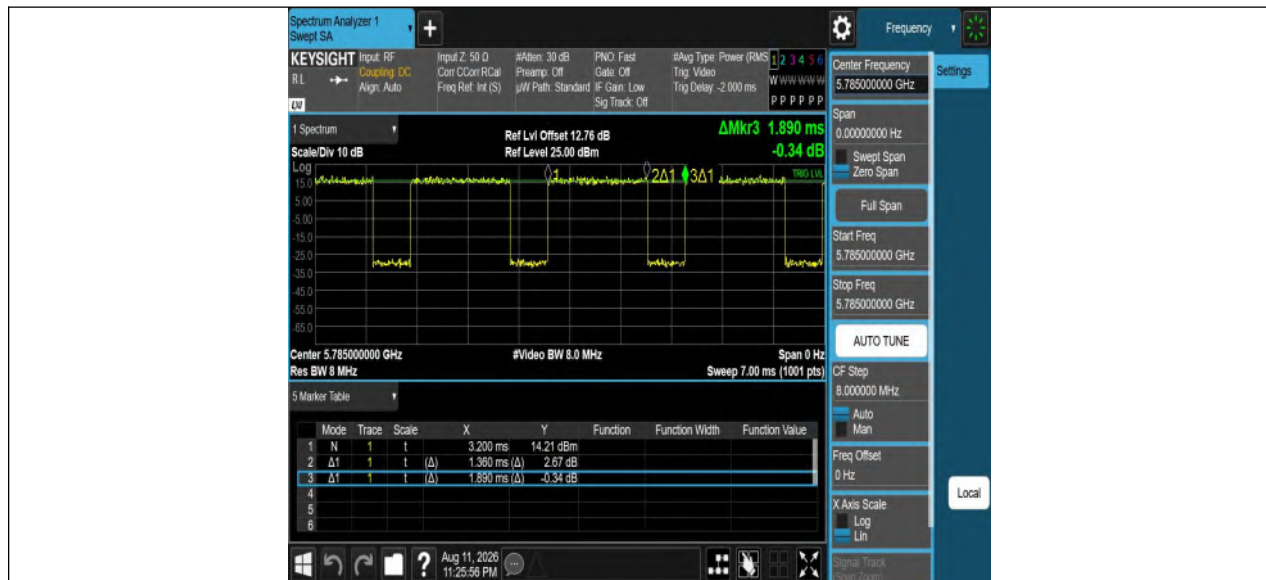
## 8.5. Original Test Data











11A\_Ant1\_5825



11N20SISO\_Ant1\_5180



11N20SISO\_Ant1\_5200















































## 9. 26dB Bandwidth, 6dB Bandwidth and 99% Bandwidth

### 9.1. Block Diagram of Test Setup

Same as section 8.1

### 9.2. Limits

| FCC Part15, Subpart E/ RSS-247 |                                |                                                            |
|--------------------------------|--------------------------------|------------------------------------------------------------|
| Test Item                      | Limit                          | Frequency Range (MHz)                                      |
| Bandwidth                      | 26 dB Bandwidth                | 5150 - 5250                                                |
|                                | 26 dB Bandwidth                | 5250 - 5350                                                |
|                                | 26 dB Bandwidth                | For FCC: 5470 - 5725<br>For IC: 5470 - 5600<br>5650 - 5725 |
|                                | Minimum 500 kHz 6 dB Bandwidth | 5725 - 5850                                                |
|                                | For reporting purposes only.   | For IC: 5150 ~ 5825                                        |

### 9.3. Test Procedure

(1) Connect EUT's antenna output to spectrum analyzer by RF cable.

|                  |                                                                                                                                                                         |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Center Frequency | The centre frequency of the channel under test                                                                                                                          |
| Detector         | Peak                                                                                                                                                                    |
| RBW              | For 6 dB Bandwidth: RBW=100 kHz<br>For 26 dB Bandwidth: approximately 1% of the emission bandwidth.<br>For 99 % Occupied Bandwidth: approximately 1 % ~ 5 % of the OBW. |
| VBW              | For 6 dB Bandwidth: $\geq 3 \times \text{RBW}$<br>For 26 dB Bandwidth: $\geq 3 \times \text{RBW}$<br>For 99 % Bandwidth: $\geq 3 \times \text{RBW}$                     |
| Trace            | Max hold                                                                                                                                                                |
| Sweep            | Auto couple                                                                                                                                                             |

(2) Allow the trace to stabilize, measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 26 dB and 6 dB relative to the maximum level measured in the fundamental emission.

(3) Use the 99 % power bandwidth function of the instrument, allow the trace to stabilize and report the measured bandwidth.

### 9.4. Test Result

| Test Mode | Ant. | Freq. (MHz)  | OCB (MHz) | FL (MHz)  | FH (MHz)  | Limit (MHz) | Verdict |
|-----------|------|--------------|-----------|-----------|-----------|-------------|---------|
| 11A       | Ant1 | 5180         | 16.735    | 5171.6213 | 5188.3563 | ---         | ---     |
|           |      | 5200         | 16.823    | 5191.5236 | 5208.3466 | ---         | ---     |
|           |      | 5240         | 16.640    | 5231.6201 | 5248.2601 | ---         | ---     |
|           |      | 5260         | 16.738    | 5251.5965 | 5268.3345 | ---         | ---     |
|           |      | 5280         | 16.658    | 5271.6588 | 5288.3168 | ---         | ---     |
|           |      | 5320         | 16.671    | 5311.5734 | 5328.2444 | ---         | ---     |
|           |      | 5500         | 16.678    | 5491.6094 | 5508.2874 | ---         | ---     |
|           |      | 5580         | 16.706    | 5571.5720 | 5588.2780 | ---         | ---     |
|           |      | 5700         | 16.596    | 5691.6816 | 5708.2776 | ---         | ---     |
|           |      | 5720         | 16.689    | 5711.6312 | 5728.3202 | ---         | ---     |
|           |      | 5720 UNII-2C | 13.369    | 5711.6312 | 5725      | ---         | ---     |
|           |      | 5720 UNII-3  | 3.32      | 5725      | 5728.3202 | ---         | ---     |
|           |      | 5745         | 16.712    | 5736.5746 | 5753.2866 | ---         | ---     |
|           |      | 5785         | 16.724    | 5776.5495 | 5793.2735 | ---         | ---     |
|           |      | 5825         | 16.724    | 5816.6094 | 5833.3334 | ---         | ---     |
| 11N20SISO | Ant1 | 5180         | 17.808    | 5171.0212 | 5188.8292 | ---         | ---     |
|           |      | 5200         | 17.796    | 5191.0763 | 5208.8723 | ---         | ---     |

|            |      |              |        |           |           |     |     |
|------------|------|--------------|--------|-----------|-----------|-----|-----|
|            |      | 5240         | 17.787 | 5231.0510 | 5248.8380 | --- | --- |
|            |      | 5260         | 17.840 | 5251.0147 | 5268.8547 | --- | --- |
|            |      | 5280         | 17.857 | 5271.0451 | 5288.9021 | --- | --- |
|            |      | 5320         | 17.827 | 5311.0379 | 5328.8649 | --- | --- |
|            |      | 5500         | 17.826 | 5491.0383 | 5508.8643 | --- | --- |
|            |      | 5580         | 17.815 | 5571.0594 | 5588.8744 | --- | --- |
|            |      | 5700         | 17.815 | 5691.0450 | 5708.8600 | --- | --- |
|            |      | 5720         | 17.755 | 5711.0986 | 5728.8536 | --- | --- |
|            |      | 5720_UNII-2C | 13.901 | 5711.0986 | 5725      | --- | --- |
|            |      | 5720_UNII-3  | 3.854  | 5725      | 5728.8536 | --- | --- |
|            |      | 5745         | 17.841 | 5736.0306 | 5753.8716 | --- | --- |
|            |      | 5785         | 17.778 | 5776.0796 | 5793.8576 | --- | --- |
|            |      | 5825         | 17.860 | 5816.0211 | 5833.8811 | --- | --- |
|            |      | 5190         | 36.140 | 5171.8076 | 5207.9476 | --- | --- |
| 11N40SISO  | Ant1 | 5230         | 36.023 | 5211.9263 | 5247.9493 | --- | --- |
|            |      | 5270         | 36.010 | 5251.9400 | 5287.9500 | --- | --- |
|            |      | 5310         | 36.220 | 5291.8311 | 5328.0511 | --- | --- |
|            |      | 5510         | 36.183 | 5491.8335 | 5528.0165 | --- | --- |
|            |      | 5550         | 36.118 | 5531.9037 | 5568.0217 | --- | --- |
|            |      | 5670         | 36.131 | 5651.9026 | 5688.0336 | --- | --- |
|            |      | 5710         | 36.219 | 5691.8564 | 5728.0754 | --- | --- |
|            |      | 5710_UNII-2C | 33.144 | 5691.8564 | 5725      | --- | --- |
|            |      | 5710_UNII-3  | 3.075  | 5725      | 5728.0754 | --- | --- |
|            |      | 5755         | 36.095 | 5736.8974 | 5772.9924 | --- | --- |
|            |      | 5795         | 36.128 | 5776.8884 | 5813.0164 | --- | --- |
|            |      | 5180         | 17.819 | 5171.0258 | 5188.8448 | --- | --- |
|            |      | 5200         | 17.872 | 5190.9777 | 5208.8497 | --- | --- |
|            |      | 5240         | 17.794 | 5231.0557 | 5248.8497 | --- | --- |
|            |      | 5260         | 17.781 | 5251.0339 | 5268.8149 | --- | --- |
| 11AC20SISO | Ant1 | 5280         | 17.858 | 5271.0244 | 5288.8824 | --- | --- |
|            |      | 5320         | 17.786 | 5311.0673 | 5328.8533 | --- | --- |
|            |      | 5500         | 17.751 | 5491.0627 | 5508.8137 | --- | --- |
|            |      | 5580         | 17.876 | 5571.0246 | 5588.9006 | --- | --- |
|            |      | 5700         | 17.890 | 5691.0259 | 5708.9159 | --- | --- |
|            |      | 5720         | 17.730 | 5711.0821 | 5728.8121 | --- | --- |
|            |      | 5720_UNII-2C | 13.918 | 5711.0821 | 5725      | --- | --- |
|            |      | 5720_UNII-3  | 3.812  | 5725      | 5728.8121 | --- | --- |
|            |      | 5745         | 17.808 | 5736.0256 | 5753.8336 | --- | --- |
|            |      | 5785         | 17.835 | 5776.0419 | 5793.8769 | --- | --- |
|            |      | 5825         | 17.868 | 5816.0226 | 5833.8906 | --- | --- |
|            |      | 5190         | 36.152 | 5171.8694 | 5208.0214 | --- | --- |
|            |      | 5230         | 36.032 | 5211.9938 | 5248.0258 | --- | --- |
|            |      | 5270         | 36.147 | 5251.8217 | 5287.9687 | --- | --- |
|            |      | 5310         | 36.165 | 5291.8164 | 5327.9814 | --- | --- |
| 11AC40SISO | Ant1 | 5510         | 36.042 | 5491.9009 | 5527.9429 | --- | --- |
|            |      | 5550         | 36.057 | 5531.9493 | 5568.0063 | --- | --- |
|            |      | 5670         | 36.065 | 5661.8946 | 5697.9596 | --- | --- |
|            |      | 5710         | 36.036 | 5691.9329 | 5727.9689 | --- | --- |
|            |      | 5710_UNII-2C | 33.067 | 5691.9329 | 5725      | --- | --- |
|            |      | 5710_UNII-3  | 2.969  | 5725      | 5727.9689 | --- | --- |
|            |      | 5755         | 36.086 | 5736.9248 | 5773.0108 | --- | --- |
|            |      | 5795         | 36.165 | 5776.8394 | 5813.0044 | --- | --- |
|            |      | 5180         | 18.931 | 5170.5012 | 5189.4322 | --- | --- |
|            |      | 5200         | 18.897 | 5190.5097 | 5209.4067 | --- | --- |
|            |      | 5240         | 18.949 | 5230.4640 | 5249.4130 | --- | --- |
|            |      | 5260         | 18.931 | 5250.4823 | 5269.4133 | --- | --- |
|            |      | 5280         | 18.915 | 5270.5216 | 5289.4366 | --- | --- |
|            |      | 5320         | 18.881 | 5310.5236 | 5329.4046 | --- | --- |
|            |      | 5500         | 18.902 | 5490.5115 | 5509.4135 | --- | --- |
|            |      | 5580         | 19.000 | 5570.5150 | 5589.5150 | --- | --- |
| 11AX20SISO | Ant1 | 5180         | 18.931 | 5170.5012 | 5189.4322 | --- | --- |
|            |      | 5200         | 18.897 | 5190.5097 | 5209.4067 | --- | --- |
|            |      | 5240         | 18.949 | 5230.4640 | 5249.4130 | --- | --- |
|            |      | 5260         | 18.931 | 5250.4823 | 5269.4133 | --- | --- |
|            |      | 5280         | 18.915 | 5270.5216 | 5289.4366 | --- | --- |
|            |      | 5320         | 18.881 | 5310.5236 | 5329.4046 | --- | --- |
|            |      | 5500         | 18.902 | 5490.5115 | 5509.4135 | --- | --- |
|            |      | 5580         | 19.000 | 5570.5150 | 5589.5150 | --- | --- |

|            |      |              |        |           |           |     |     |
|------------|------|--------------|--------|-----------|-----------|-----|-----|
|            |      | 5700         | 18.948 | 5690.5127 | 5709.4607 | --- | --- |
|            |      | 5720         | 18.896 | 5710.5098 | 5729.4058 | --- | --- |
|            |      | 5720_UNII-2C | 14.49  | 5710.5098 | 5725      | --- | --- |
|            |      | 5720_UNII-3  | 4.406  | 5725      | 5729.4058 | --- | --- |
|            |      | 5745         | 18.955 | 5735.5080 | 5754.4630 | --- | --- |
|            |      | 5785         | 18.937 | 5775.4972 | 5794.4342 | --- | --- |
|            |      | 5825         | 19.038 | 5815.4515 | 5834.4895 | --- | --- |
| 11AX40SISO | Ant1 | 5190         | 37.589 | 5171.1223 | 5208.7113 | --- | --- |
|            |      | 5230         | 37.668 | 5211.0784 | 5248.7464 | --- | --- |
|            |      | 5270         | 37.582 | 5251.0794 | 5288.6614 | --- | --- |
|            |      | 5310         | 37.617 | 5291.1209 | 5328.7379 | --- | --- |
|            |      | 5510         | 37.580 | 5491.1777 | 5528.7577 | --- | --- |
|            |      | 5550         | 37.516 | 5531.2060 | 5568.7220 | --- | --- |
|            |      | 5670         | 37.471 | 5651.2504 | 5688.7214 | --- | --- |
|            |      | 5710         | 37.558 | 5691.2027 | 5728.7607 | --- | --- |
|            |      | 5710_UNII-2C | 33.797 | 5691.2027 | 5725      | --- | --- |
|            |      | 5710_UNII-3  | 3.761  | 5725      | 5728.7607 | --- | --- |
|            |      | 5755         | 37.591 | 5736.1623 | 5773.7533 | --- | --- |
|            |      | 5795         | 37.524 | 5776.1275 | 5813.6515 | --- | --- |

Note: Offset=cable loss + Test system insertion loss

| Test Mode  | Ant. | Freq.<br>(MHz) | 26dB<br>EBW (MHz) | FL<br>(MHz) | FH<br>(MHz) | Limit<br>(MHz) | Verdict |
|------------|------|----------------|-------------------|-------------|-------------|----------------|---------|
| 11A        | Ant1 | 5180           | 20.560            | 5169.440    | 5190.000    | ---            | ---     |
|            |      | 5200           | 20.760            | 5189.480    | 5210.240    | ---            | ---     |
|            |      | 5240           | 19.560            | 5230.120    | 5249.680    | ---            | ---     |
|            |      | 5260           | 19.600            | 5250.080    | 5269.680    | ---            | ---     |
|            |      | 5280           | 19.960            | 5270.080    | 5290.040    | ---            | ---     |
|            |      | 5320           | 20.000            | 5309.800    | 5329.800    | ---            | ---     |
|            |      | 5500           | 20.320            | 5489.600    | 5509.920    | ---            | ---     |
|            |      | 5580           | 20.600            | 5569.280    | 5589.880    | ---            | ---     |
|            |      | 5700           | 19.840            | 5690.200    | 5710.040    | ---            | ---     |
|            |      | 5720           | 19.960            | 5709.920    | 5729.880    | ---            | ---     |
| 11N20SISO  | Ant1 | 5720_UNII-2C   | 15.08             | 5709.920    | 5725        | ---            | ---     |
|            |      | 5180           | 20.640            | 5169.520    | 5190.160    | ---            | ---     |
|            |      | 5200           | 21.440            | 5189.040    | 5210.480    | ---            | ---     |
|            |      | 5240           | 21.320            | 5229.400    | 5250.720    | ---            | ---     |
|            |      | 5260           | 21.440            | 5249.000    | 5270.440    | ---            | ---     |
|            |      | 5280           | 20.720            | 5269.640    | 5290.360    | ---            | ---     |
|            |      | 5320           | 21.040            | 5309.520    | 5330.560    | ---            | ---     |
|            |      | 5500           | 20.760            | 5489.680    | 5510.440    | ---            | ---     |
|            |      | 5580           | 21.280            | 5569.280    | 5590.560    | ---            | ---     |
|            |      | 5700           | 20.800            | 5689.640    | 5710.440    | ---            | ---     |
| 11N40SISO  | Ant1 | 5720           | 21.040            | 5709.360    | 5730.400    | ---            | ---     |
|            |      | 5720_UNII-2C   | 15.64             | 5709.360    | 5725        | ---            | ---     |
|            |      | 5190           | 41.520            | 5169.440    | 5210.960    | ---            | ---     |
|            |      | 5230           | 40.320            | 5209.520    | 5249.840    | ---            | ---     |
|            |      | 5270           | 41.120            | 5249.360    | 5290.480    | ---            | ---     |
|            |      | 5310           | 40.880            | 5289.120    | 5330.000    | ---            | ---     |
|            |      | 5510           | 40.480            | 5489.920    | 5530.400    | ---            | ---     |
|            |      | 5550           | 40.480            | 5529.520    | 5570.000    | ---            | ---     |
|            |      | 5670           | 41.600            | 5649.200    | 5690.800    | ---            | ---     |
|            |      | 5710           | 41.120            | 5689.600    | 5730.720    | ---            | ---     |
| 11AC20SISO | Ant1 | 5710_UNII-2C   | 35.4              | 5689.600    | 5725        | ---            | ---     |
|            |      | 5180           | 21.600            | 5169.320    | 5190.920    | ---            | ---     |
|            |      | 5200           | 21.000            | 5189.320    | 5210.320    | ---            | ---     |
|            |      | 5240           | 20.960            | 5229.400    | 5250.360    | ---            | ---     |
|            |      | 5260           | 21.600            | 5249.040    | 5270.640    | ---            | ---     |
|            |      | 5280           | 21.320            | 5269.320    | 5290.640    | ---            | ---     |
| 11AC20SISO | Ant1 | 5320           | 20.840            | 5309.600    | 5330.440    | ---            | ---     |

|            |      |              |        |          |          |     |     |
|------------|------|--------------|--------|----------|----------|-----|-----|
|            |      | 5500         | 20.800 | 5489.360 | 5510.160 | --- | --- |
|            |      | 5580         | 22.360 | 5568.480 | 5590.840 | --- | --- |
|            |      | 5700         | 21.120 | 5689.320 | 5710.440 | --- | --- |
|            |      | 5720         | 20.680 | 5709.560 | 5730.240 | --- | --- |
|            |      | 5720 UNII-2C | 15.44  | 5709.560 | 5725     | --- | --- |
| 11AC40SISO | Ant1 | 5190         | 40.640 | 5169.440 | 5210.080 | --- | --- |
|            |      | 5230         | 40.640 | 5209.920 | 5250.560 | --- | --- |
|            |      | 5270         | 40.640 | 5249.440 | 5290.080 | --- | --- |
|            |      | 5310         | 40.720 | 5289.440 | 5330.160 | --- | --- |
|            |      | 5510         | 41.040 | 5489.120 | 5530.160 | --- | --- |
|            |      | 5550         | 41.120 | 5529.600 | 5570.720 | --- | --- |
|            |      | 5670         | 41.600 | 5659.280 | 5700.880 | --- | --- |
|            |      | 5710         | 41.040 | 5689.120 | 5730.160 | --- | --- |
| 11AX20SISO | Ant1 | 5710 UNII-2C | 35.88  | 5689.120 | 5725     | --- | --- |
|            |      | 5180         | 22.960 | 5169.040 | 5192.000 | --- | --- |
|            |      | 5200         | 22.400 | 5188.720 | 5211.120 | --- | --- |
|            |      | 5240         | 22.200 | 5229.000 | 5251.200 | --- | --- |
|            |      | 5260         | 24.600 | 5248.640 | 5273.240 | --- | --- |
|            |      | 5280         | 21.640 | 5269.480 | 5291.120 | --- | --- |
|            |      | 5320         | 22.440 | 5309.200 | 5331.640 | --- | --- |
|            |      | 5500         | 23.600 | 5489.240 | 5512.840 | --- | --- |
|            |      | 5580         | 22.800 | 5569.400 | 5592.200 | --- | --- |
|            |      | 5700         | 24.000 | 5689.000 | 5713.000 | --- | --- |
| 11AX40SISO | Ant1 | 5720         | 23.040 | 5709.000 | 5732.040 | --- | --- |
|            |      | 5720 UNII-2C | 16     | 5709.000 | 5725     | --- | --- |
|            |      | 5190         | 40.320 | 5169.680 | 5210.000 | --- | --- |
|            |      | 5230         | 41.280 | 5209.360 | 5250.640 | --- | --- |
|            |      | 5270         | 41.440 | 5249.280 | 5290.720 | --- | --- |
|            |      | 5310         | 40.160 | 5289.840 | 5330.000 | --- | --- |
|            |      | 5510         | 40.480 | 5489.520 | 5530.000 | --- | --- |
|            |      | 5550         | 40.240 | 5529.840 | 5570.080 | --- | --- |
|            |      | 5670         | 40.400 | 5649.200 | 5689.600 | --- | --- |
|            |      | 5710         | 42.240 | 5689.280 | 5731.520 | --- | --- |
|            |      | 5710 UNII-2C | 35.72  | 5689.280 | 5725     | --- | --- |

Note: Offset=cable loss + Test system insertion loss

| Test Mode  | Ant. | Freq.<br>(MHz) | 6dB<br>EBW (MHz) | FL<br>(MHz) | FH<br>(MHz) | Limit<br>(MHz) | Verdict |
|------------|------|----------------|------------------|-------------|-------------|----------------|---------|
| 11A        | Ant1 | 5720           | 13.400           | 5712.480    | 5725.880    | ---            | ---     |
|            |      | 5720 UNII-2C   | 12.52            | 5712.480    | 5725        | ---            | ---     |
|            |      | 5720 UNII-3    | 0.88             | 5725        | 5725.880    | 0.5            | PASS    |
|            |      | 5745           | 12.280           | 5739.320    | 5751.600    | 0.5            | PASS    |
|            |      | 5785           | 13.760           | 5777.480    | 5791.240    | 0.5            | PASS    |
|            |      | 5825           | 16.320           | 5816.800    | 5833.120    | 0.5            | PASS    |
| 11N20SISO  | Ant1 | 5720           | 15.720           | 5712.160    | 5727.880    | ---            | ---     |
|            |      | 5720 UNII-2C   | 12.84            | 5712.160    | 5725        | ---            | ---     |
|            |      | 5720 UNII-3    | 2.88             | 5725        | 5727.880    | 0.5            | PASS    |
|            |      | 5745           | 13.840           | 5737.400    | 5751.240    | 0.5            | PASS    |
|            |      | 5785           | 14.480           | 5777.400    | 5791.880    | 0.5            | PASS    |
|            |      | 5825           | 16.640           | 5816.440    | 5833.080    | 0.5            | PASS    |
| 11N40SISO  | Ant1 | 5710           | 33.840           | 5693.680    | 5727.520    | ---            | ---     |
|            |      | 5710 UNII-2C   | 31.32            | 5693.680    | 5725        | ---            | ---     |
|            |      | 5710 UNII-3    | 2.52             | 5725        | 5727.520    | 0.5            | PASS    |
|            |      | 5755           | 33.760           | 5737.480    | 5771.240    | 0.5            | PASS    |
|            |      | 5795           | 33.840           | 5778.680    | 5812.520    | 0.5            | PASS    |
| 11AC20SISO | Ant1 | 5720           | 14.440           | 5713.080    | 5727.520    | ---            | ---     |
|            |      | 5720 UNII-2C   | 11.92            | 5713.080    | 5725        | ---            | ---     |
|            |      | 5720 UNII-3    | 2.52             | 5725        | 5727.520    | 0.5            | PASS    |
|            |      | 5745           | 15.040           | 5737.440    | 5752.480    | 0.5            | PASS    |
|            |      | 5785           | 15.120           | 5777.400    | 5792.520    | 0.5            | PASS    |

|            |      |              |        |          |          |     |      |
|------------|------|--------------|--------|----------|----------|-----|------|
|            |      | 5825         | 14.160 | 5817.440 | 5831.600 | 0.5 | PASS |
| 11AC40SISO | Ant1 | 5710         | 34.960 | 5692.480 | 5727.440 | --- | ---  |
|            |      | 5710 UNII-2C | 32.52  | 5692.480 | 5725     | --- | ---  |
|            |      | 5710 UNII-3  | 2.44   | 5725     | 5727.440 | 0.5 | PASS |
|            |      | 5755         | 31.360 | 5739.880 | 5771.240 | 0.5 | PASS |
|            |      | 5795         | 32.640 | 5779.880 | 5812.520 | 0.5 | PASS |
| 11AX20SISO | Ant1 | 5720         | 17.720 | 5711.080 | 5728.800 | --- | ---  |
|            |      | 5720 UNII-2C | 13.92  | 5711.080 | 5725     | --- | ---  |
|            |      | 5720 UNII-3  | 3.8    | 5725     | 5728.800 | 0.5 | PASS |
|            |      | 5745         | 12.640 | 5739.880 | 5752.520 | 0.5 | PASS |
|            |      | 5785         | 15.840 | 5776.800 | 5792.640 | 0.5 | PASS |
| 11AX40SISO | Ant1 | 5825         | 15.080 | 5817.400 | 5832.480 | 0.5 | PASS |
|            |      | 5710         | 35.120 | 5692.400 | 5727.520 | --- | ---  |
|            |      | 5710 UNII-2C | 32.6   | 5692.400 | 5725     | --- | ---  |
|            |      | 5710 UNII-3  | 2.52   | 5725     | 5727.520 | 0.5 | PASS |
|            |      | 5755         | 33.840 | 5738.680 | 5772.520 | 0.5 | PASS |
|            |      | 5795         | 33.840 | 5778.680 | 5812.520 | 0.5 | PASS |

Note: Offset=cable loss + Test system insertion loss