



FCC RADIO TEST REPORT

| FCC ID | : 2AEM4-9471214 |
|--------------|--|
| Equipment | : Wireless Router |
| Brand Name | : eero |
| Model Name | : PA10001 |
| Applicant | : eero LLC 660 3rd St Fl 4, San Francisco, California, 94107, United States |
| Manufacturer | : eero LLC |
| | 660 3rd St Fl 4, San Francisco, California, 94107, United States |
| Standard | : FCC Part 15 Subpart C §15.247 |

The product was received on Sep. 23, 2024 and testing was performed from Oct. 01, 2024 to Nov. 27, 2024. We, Sporton International Inc. Wensan Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval from Sporton International Inc. Wensan Laboratory, the test report shall not be reproduced except in full.

Louis Wu

Approved by: Louis Wu

Sporton International Inc. Wensan Laboratory

No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.)

| TEL: 886-3-327-0868 |
|---|
| FAX : 886-3-327-0855 |
| Report Template No.: BU5-FR15CBT4.0 Version 2.4 |

Page Number: 1 of 25Issue Date: Dec. 17, 2024Report Version: 02



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History of this test report

| Report No. | Version | Description | Issue Date |
|------------|---------|--|---------------|
| FR492020A | 01 | Initial issue of report | Dec. 12, 2024 |
| FR492020A | 02 | Revise Antenna Gain This report is an updated version, replacing the report issued on Dec. 12, 2024. | Dec. 17, 2024 |
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Summary of Test Result

| Report Clause | Ref Std. Clause | Test Items | Result (PASS/FAIL) | Remark |
|------------------|------------------------------|---|-----------------------|--|
| 3.1 | 15.247(a)(2) | 6dB Bandwidth | Pass | - |
| 3.1 | 2.1049 | 99% Occupied Bandwidth | Pass | - |
| 3.2 | 15.247(b)(3) 15.247(b)(4) | Output Power | Pass | - |
| 3.3 | 15.247(e) | Power Spectral Density | Pass | - |
| 3.4 | 15.247(d) | Conducted Band Edges and Spurious Emission | Pass | - |
| 3.5 | 15.247(d) | Radiated Band Edges and Spurious Emission | Pass | 0.38 dB under the limit at 2483.58 MHz |
| 3.6 | 15.207 | AC Conducted Emission | Pass | 22.53 dB under the limit at 1.86 MHz |
| 3.7 | 15.203 | Antenna Requirement Pass | | - |

Conformity Assessment Condition:

 The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacturer who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.

Disclaimer:

The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.

Reviewed by: Yun Huang Report Producer: Mila Chen

^{2.} The measurement uncertainty please refer to each test result in the section "Measurement Uncertainty".



1 General Description

1.1 Product Feature of Equipment Under Test

| Product Feature | | | |
|---|--|--|--|
| General Specs Bluetooth-LE, IEEE 802.15.4, Wi-Fi 2.4GHz 802.11b/g/n/ax/be and Wi-Fi 5GHz 802.11a/n/ac/ax/be. | | | |
| Antenna Type | | | |
| WLAN: | | | |
| <ant. 0="">: Dipole Antenna</ant.> | | | |
| <ant. 1="">: Dipole Antenna</ant.> | | | |
| Bluetooth-LE: Dipole Antenna | | | |
| IEEE 802.15.4: Dipole Antenna | | | |
| Antenna information | | | |

| 2400 MHz ~ 2483.5 MHz | Peak Gain (dBi) | 3.02 |
|--|---------------------|---|
| Pemark: The EUT's information above | ve is declared by m | anufacturer. Please refer to Disclaimer in report |

Remark: The EUT's information above is declared by manufacturer. Please refer to Disclaimer in report summary.

1.2 Modification of EUT

No modifications made to the EUT during the testing.



1.3 Testing Location

| Test Site | Sporton International Inc. EMC & Wireless Communications Laboratory | | |
|---|--|--|--|
| Test Site LocationNo.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.) TEL: +886-3-327-3456 FAX: +886-3-328-4978 | | | |
| Test Site No. | Sporton Site No. | | |
| Test Site NO. | CO05-HY (TAF Code: 1190) | | |
| Remark | The AC Conducted Emission test item subcontracted to Sporton International Inc. EMC & Wireless Communications Laboratory. | | |

Note: The test site complies with ANSI C63.4 2014 requirement.

| Test Site | Sporton International Inc. Wensan Laboratory | | |
|---|--|--|--|
| Test Site Location No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855 | | | |
| Test Site No. | Sporton Site No. TH05-HY, 03CH23-HY | | |

Note: The test site complies with ANSI C63.4 2014 requirement.

FCC designation No.: TW1190 and TW3786

1.4 Applicable Standards

According to the specifications declared by the manufacturer, the EUT must comply with the requirements of the following standards:

- FCC Part 15 Subpart C §15.247
- FCC KDB Publication No. 558074 D01 15.247 Meas Guidance v05r02
- FCC KDB 414788 D01 Radiated Test Site v01r01
- ANSI C63.10-2013

Remark:

- 1. All the test items were validated and recorded in accordance with the standards without any modification during the testing.
- 2. The TAF code is not including all the FCC KDB listed without accreditation.
- 3. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.

2 Test Configuration of Equipment Under Test

2.1 Carrier Frequency Channel

| Frequency Band | Channel | Freq. (MHz) | Channel | Freq. (MHz) |
|-----------------|---------|----------------|---------|----------------|
| | 0 | 2402 | 21 | 2444 |
| | 1 | 2404 | 22 | 2446 |
| | 2 | 2406 | 23 | 2448 |
| | 3 | 2408 | 24 | 2450 |
| | 4 | 2410 | 25 | 2452 |
| | 5 | 2412 | 26 | 2454 |
| | 6 | 2414 | 27 | 2456 |
| | 7 | 2416 | 28 | 2458 |
| | 8 | 2418 | 29 | 2460 |
| | 9 | 2420 | 30 | 2462 |
| 2400-2483.5 MHz | 10 | 2422 | 31 | 2464 |
| | 11 | 2424 | 32 | 2466 |
| | 12 | 2426 | 33 | 2468 |
| | 13 | 2428 | 34 | 2470 |
| | 14 | 2430 | 35 | 2472 |
| | 15 | 2432 | 36 | 2474 |
| | 16 | 2434 | 37 | 2476 |
| | 17 | 2436 | 38 | 2478 |
| | 18 | 2438 | 39 | 2480 |
| | 19 | 2440 | - | - |
| | 20 | 2442 | - | - |



2.2 Test Mode

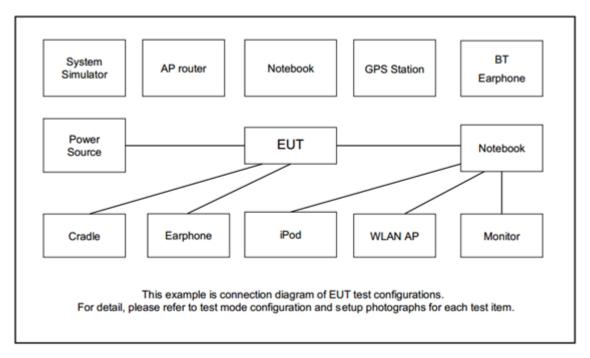
- a. The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated: conduction emission (150 kHz to 30 MHz), radiation emission (9 kHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower).
- b. AC power line Conducted Emission was tested under maximum output power.

The following summary table is showing all test modes to demonstrate in compliance with the standard.

| | Summary table of Test Cases | | | | |
|--|---|--|--|--|--|
| Test Item | Data Rate / Modulation | | | | |
| | Bluetooth – LE / GFSK | | | | |
| | Mode 1: Bluetooth Tx CH00_2402 MHz_1Mbps | | | | |
| | Mode 2: Bluetooth Tx CH19_2440 MHz_1Mbps | | | | |
| Conducted | Mode 3: Bluetooth Tx CH39_2480 MHz_1Mbps | | | | |
| Test Cases | Mode 4: Bluetooth Tx CH00_2402 MHz_2Mbps | | | | |
| | Mode 5: Bluetooth Tx CH19_2440 MHz_2Mbps | | | | |
| | Mode 6: Bluetooth Tx CH38_2478 MHz_2Mbps | | | | |
| | Mode 7: Bluetooth Tx CH39_2480 MHz_2Mbps | | | | |
| | Mode 1: Bluetooth Tx CH00_2402 MHz_1Mbps | | | | |
| | Mode 2: Bluetooth Tx CH19_2440 MHz_1Mbps | | | | |
| Radiated | Mode 3: Bluetooth Tx CH39_2480 MHz_1Mbps | | | | |
| Test Cases | Mode 4: Bluetooth Tx CH00_2402 MHz_2Mbps | | | | |
| Test Cases | Mode 5: Bluetooth Tx CH19_2440 MHz_2Mbps | | | | |
| | Mode 6: Bluetooth Tx CH38_2478 MHz_2Mbps | | | | |
| | Mode 7: Bluetooth Tx CH39_2480 MHz_2Mbps | | | | |
| AC Conducted | Mede 4: Diveteeth I E Ty - AO Adenter (Luvehere 45)// Tyre A) | | | | |
| Emission | Emission Mode 1: Bluetooth-LE Tx + AC Adapter (Luxshare_45W_Type A) | | | | |
| Remark: For radiation spurious emission, the modulation and the data rate picked for testing are determined by the Max. RF conducted power. | | | | | |



2.3 Connection Diagram of Test System



2.4 Support Unit used in test configuration and system

| ltem | Equipment | Brand Name | Model Name | FCC ID | Data Cable | Power Cord |
|------|-----------|-------------|---------------|--------------------|------------|--|
| 1. | Notebook | DELL | Latitude 3420 | FCC DoC | N/A | AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m |
| 2. | PC | msi | PRO DP1 80A7 | FCC DoC | N/A | Unshielded, 1.8m |
| 3. | PC | msi | Aegis-B918 | FCC DoC | N/A | Unshielded, 1.8m |
| 4. | Button | SmartThings | IM6001-BTP01 | 2AF4S-IM6001-BTP01 | N/A | N/A |

2.5 EUT Operation Test Setup

The RF test items, utility "RadioControlConsole v4.0.0.0" was installed in Notebook which was programmed in order to make the EUT get into the engineering modes to provide channel selection, power level, data rate and the application type and for continuous transmitting signals.



2.6 Measurement Results Explanation Example

For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuator factor between EUT conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly the EUT RF output level.

Example :

The spectrum analyzer offset is derived from RF cable loss and attenuator factor.

Offset = RF cable loss + attenuator factor.

Following shows an offset computation example with cable loss 4.2 dB and 10 dB attenuator.

Offset(dB) = RF cable loss(dB) + attenuator factor(dB).

= 4.2 + 10 = 14.2 (dB)



3 Test Result

3.1 6dB and 99% Bandwidth Measurement

3.1.1 Limit of 6dB and 99% Bandwidth

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

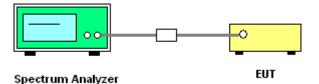
3.1.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

3.1.3 Test Procedures

- 1. The testing follows the ANSI C63.10 Section 6.9.3 (OBW) and 11.8.1 (6dB BW).
- 2. The RF output of EUT is connected to the spectrum analyzer by RF cable and attenuator. The path loss is compensated to the results for each measurement.
- 3. Set the maximum power setting and enable the EUT to transmit continuously.
- Make the measurement with the spectrum analyzer's resolution bandwidth (RBW) = 100 kHz. Set the Video bandwidth (VBW) = 300 kHz. In order to make an accurate measurement. The 6dB bandwidth must be greater than 500 kHz.
- 5. For 99% Bandwidth Measurement, the spectrum analyzer's resolution bandwidth (RBW) is set 1-5% of the emission bandwidth and set the Video bandwidth (VBW) \ge 3 * RBW.
- 6. Measure and record the results in the test report.

3.1.4 Test Setup



3.1.5 Test Result of 6dB Bandwidth

Please refer to Appendix A.

3.1.6 Test Result of 99% Occupied Bandwidth



3.2 Output Power Measurement

3.2.1 Limit of Output Power

For systems using digital modulation in the 2400-2483.5 MHz, the limit for output power is 30 dBm. If transmitting antenna of directional gain greater than 6 dBi is used, the peak output power from the intentional radiator shall be reduced below the above stated value by the amount in dB that the directional gain of the antenna exceeds 6 dBi. In case of point-to-point operation, the limit has to be reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6 dBi.

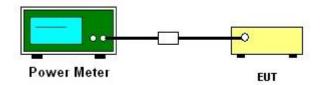
3.2.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

3.2.3 Test Procedures

- 1. For Average Power, the testing follows ANSI C63.10 Section 11.9.2.3.2 Method AVGPM-G
- 2. The RF output of EUT is connected to the power meter by RF cable and attenuator.
- 3. The path loss is compensated to the results for each measurement.
- 4. Set the maximum power setting and enable the EUT to transmit continuously.
- 5. Measure the conducted output power and record the results in the test report.

3.2.4 Test Setup



3.2.5 Test Result of Average Output Power



3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

The peak power spectral density shall not be greater than 8 dBm in any 3 kHz band at any time interval of continuous transmission.

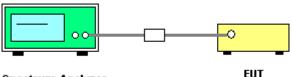
3.3.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

3.3.3 Test Procedures

- 1. The testing follows the ANSI C63.10 Section 11.10.2 Method PKPSD.
- 2. The RF output of EUT is connected to the spectrum analyzer by RF cable and attenuator. The path loss is compensated to the results for each measurement.
- 3. Set the maximum power setting and enable the EUT to transmit continuously.
- Make the measurement with the spectrum analyzer's resolution bandwidth (RBW) = 3 kHz.
 Video bandwidth (VBW) = 10 kHz. In order to make an accurate measurement, set the span to 1.5 times DTS Channel Bandwidth. (6 dB BW)
- 5. Detector = peak, Sweep time = auto couple, Trace mode = max hold, Allow trace to fully stabilize. Use the peak marker function to determine the maximum power level.
- 6. Measure and record the results in the test report.
- The Measured power density (dBm)/ 100 kHz is a reference level and is used as 20 dBc down limit line for Conducted Band Edges and Conducted Spurious Emission.

3.3.4 Test Setup



Spectrum Analyzer

3.3.5 Test Result of Power Spectral Density



3.4 Conducted Band Edges and Spurious Emission Measurement

3.4.1 Limit of Conducted Band Edges and Spurious Emission

All harmonics/spurious must be at least 30 dB down from the highest emission level within the authorized band.

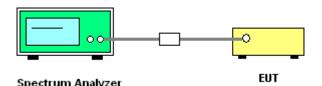
3.4.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

3.4.3 Test Procedure

- 1. The testing follows the ANSI C63.10 Section 11.11.3 Emission level measurement.
- 2. The RF output of EUT is connected to the spectrum analyzer by RF cable and attenuator. The path loss is compensated to the results for each measurement.
- 3. Set the maximum power setting and enable the EUT to transmit continuously.
- 4. Set RBW = 100 kHz, VBW = 300 kHz, Peak Detector. Unwanted Emissions measured in any 100 kHz bandwidth outside of the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum in-band peak PSD level in 100 kHz when maximum peak conducted output power procedure is used. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, the attenuation required under this paragraph shall be 30 dB instead of 20 dB.
- 5. Measure and record the results in the test report.
- 6. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

3.4.4 Test Setup



3.4.5 Test Result of Conducted Band Edges Plots

Please refer to Appendix A.

3.4.6 Test Result of Conducted Spurious Emission Plots

3.5 Radiated Band Edges and Spurious Emission Measurement

3.5.1 Limit of Radiated Band Edges and Spurious Emission

In any 100 kHz bandwidth outside the intentional radiator frequency band, all harmonics/spurious must be at least 20 dB below the highest emission level within the authorized band. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, the attenuation required shall be 30 dB instead of 20 dB. In addition, radiated emissions which fall in the restricted bands must also comply with the limits as below.

| Frequency | Field Strength | Measurement Distance |
|---------------|--------------------|----------------------|
| (MHz) | (microvolts/meter) | (meters) |
| 0.009 - 0.490 | 2400/F(kHz) | 300 |
| 0.490 – 1.705 | 24000/F(kHz) | 30 |
| 1.705 – 30.0 | 30 | 30 |
| 30 – 88 | 100 | 3 |
| 88 – 216 | 150 | 3 |
| 216 - 960 | 200 | 3 |
| Above 960 | 500 | 3 |

3.5.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

3.5.3 Test Procedures

- 1. The testing follows the ANSI C63.10 Section 11.12.1 Radiated emission measurements.
- 2. The EUT is arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level.
- 3. The EUT is placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
- 4. The EUT is set 3 meters away from the receiving antenna, which is mounted on the top of a variable height antenna tower.
- 5. Corrected Reading: Antenna Factor + Cable Loss + Read Level Preamp Factor = Level
- 6. Radiated testing below 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading. When there is no suspected emission found and the emission level is with at least 6 dB margin against QP limit line, the position is marked as "-".
- 7. Radiated testing above 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading for scanning all frequencies. When there is no suspected emission found and the harmonic emission level is with at least 6 dB margin against average limit line, the position is marked as "-".
- 8. Use the following spectrum analyzer settings:

For average measurement:

The procedure for method trace averaging is as follows:

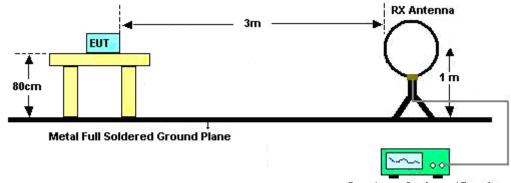
- a) RBW = 1 MHz.
- b) VBW \geq [3 × RBW].
- c) Detector = RMS (power averaging), if [span / (# of points in sweep)] ≤ RBW / 2. Satisfying this condition can require increasing the number of points in the sweep or reducing the span. If the condition is not satisfied, then the detector mode shall be set to peak.
- Averaging type = power (i.e., rms) (As an alternative, the detector and averaging type may be set for linear voltage averaging.
- e) Sweep time = auto.



- f) Perform a trace average of at least 100 traces if the transmission is continuous. If the transmission is not continuous, then the number of traces shall be increased by a factor of 1 / D, where D is the duty cycle. For example, with 50% duty cycle, at least 200 traces shall be averaged. (If a specific emission is demonstrated to be continuous—i.e., 100% duty cycle—then rather than turning ON and OFF with the transmit cycle, at least 100 traces shall be averaged.)
- g) If tests are performed with the EUT transmitting at a duty cycle less than 98%, then a correction factor shall be added to the measurement results prior to comparing with the emission limit, to compute the emission level that would have been measured had the test been performed at 100% duty cycle. The correction factor is computed as follows:
 - If power averaging (rms) mode was used in the preceding step e), then the correction factor is [10 log (1 / D)], where D is the duty cycle. For example, if the transmit duty cycle was 50%, then 3 dB shall be added to the measured emission levels.
 - If a specific emission is demonstrated to be continuous (100% duty cycle) rather than turning ON and OFF with the transmit cycle, then no duty cycle correction is required for that emission.

3.5.4 Test Setup

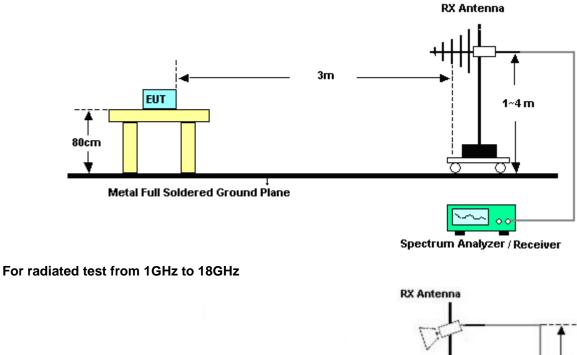
For radiated test below 30MHz

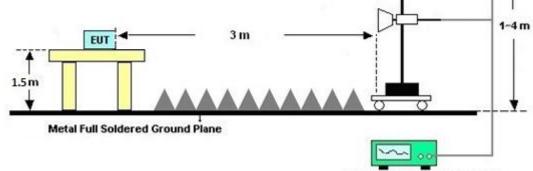


Spectrum Analyzer / Receiver



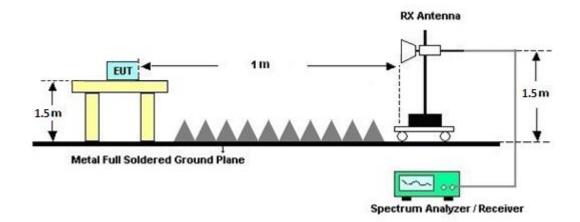
For radiated test from 30MHz to 1GHz





Spectrum Analyzer / Receiver

For radiated test above 18GHz



3.5.5 Test Results of Radiated Spurious Emissions (9 kHz ~ 30 MHz)

The low frequency, which starts from 9 kHz to 30 MHz, is pre-scanned and the result which is 20 dB lower than the limit line is not reported.

There is adequate comparison measurement of both open-field test site and alternative test site -

semi-Anechoic chamber according to 414788 D01 Radiated Test Site v01r01, and the result comes out very similar.

3.5.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix C.

3.5.7 Duty Cycle

Please refer to Appendix D.

3.5.8 Test Result of Radiated Spurious Emission (30 MHz ~ 10th Harmonic)



3.6 AC Conducted Emission Measurement

3.6.1 Limit of AC Conducted Emission

For equipment that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the following table.

| Eroquency of omission (MHz) | Conducted limit (dBµV) | | | | | |
|-----------------------------|------------------------|-----------|--|--|--|--|
| Frequency of emission (MHz) | Quasi-peak | Average | | | | |
| 0.15-0.5 | 66 to 56* | 56 to 46* | | | | |
| 0.5-5 | 56 | 46 | | | | |
| 5-30 | 60 | 50 | | | | |

*Decreases with the logarithm of the frequency.

3.6.2 Measuring Instruments

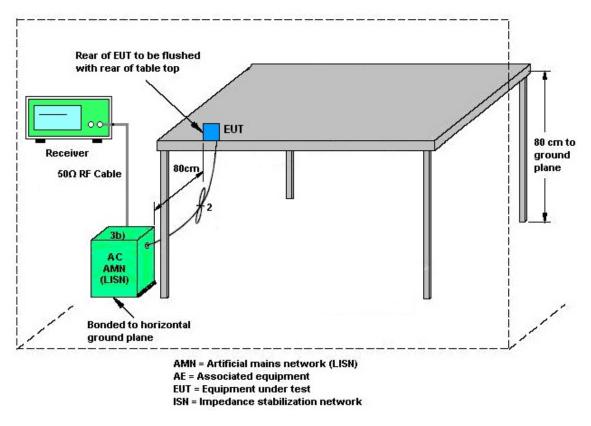
Please refer to the measuring equipment list in this test report.

3.6.3 Test Procedures

- 1. The EUT is placed 0.4 meter away from the conducting wall of the shielding room, and is kept at least 80 centimeters from any other grounded conducting surface.
- 2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
- 3. All the support units are connecting to the other LISN.
- 4. The LISN provides 50 ohm coupling impedance for the measuring instrument.
- 5. The FCC states that a 50 ohm, 50 microhenry LISN shall be used.
- 6. Both Line and Neutral shall be tested in order to find out the maximum conducted emission.
- 7. The frequency range from 150 kHz to 30 MHz is scanned.
- Set the test-receiver system to Peak Detect Function and specified bandwidth (IF Bandwidth = 9 kHz) with Maximum Hold Mode. Then measurement is also conducted by Average Detector and Quasi-Peak Detector Function respectively.



3.6.4 Test Setup



3.6.5 Test Result of AC Conducted Emission



3.7 Antenna Requirements

3.7.1 Standard Applicable

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of § 15.211, 15.213, 15.217, 15.219, 15.221, or § 15.236. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with § 15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

3.7.2 Antenna Anti-Replacement Construction

Unique (non-standard) antenna connector.



4 List of Measuring Equipment

| Instrument | Brand Name | Model No. | Serial No. | Characteristics | Calibration | Test Date | Due Date | Remark |
|--|--------------------|---------------------------------|----------------------------|----------------------------------|---------------|---------------------------------|---------------|--------------------------|
| mstrument | | Nodel NO. | Senai No. | Characteristics | Date | | Due Date | |
| Loop Antenna | Rohde & Schwarz | HFH2-Z2 | 100488 | 9 kHz~30 MHz | Aug. 29, 2024 | Nov. 14, 2024~ Nov. 27, 2024 | Aug. 28, 2025 | Radiation (03CH23-HY) |
| Bilog Antenna | TESEQ | CBL 6111D & 00802N1D01N-06 | 47020 & 06 | 30MHz~1GHz | Oct. 05, 2024 | Nov. 14, 2024~ Nov. 27, 2024 | Oct. 04, 2025 | Radiation (03CH23-HY) |
| Amplifier | SONOMA | 310N | 421580 | 9kHz~1GHz | Jul. 14, 2024 | Nov. 14, 2024~ Nov. 27, 2024 | Jul. 13, 2025 | Radiation (03CH23-HY) |
| Amplifier | EMEC | EM01G18GA | 060878 | N/A | Sep. 27, 2024 | Nov. 14, 2024~ Nov. 27, 2024 | Sep. 26, 2025 | Radiation (03CH23-HY) |
| Double Ridged Guide Horn Antenna | RFSPIN | DRH18-E | LE2C05A18EN | 1GHz~18GHz | Jun. 20, 2024 | Nov. 14, 2024~ Nov. 27, 2024 | Jun. 19, 2025 | Radiation (03CH23-HY) |
| SHF-EHF Horn Antenna | SCHWARZBE CK | BBHA 9170 | 1224 | 18GHz-40GHz | Jun. 24, 2024 | Nov. 14, 2024~ Nov. 27, 2024 | Jun. 23, 2025 | Radiation (03CH23-HY) |
| Preamplifier | EMEC | EM18G40G | 060873 | 18GHz~40GHz | Sep. 02, 2024 | Nov. 14, 2024~ Nov. 27, 2024 | Sep. 01, 2025 | Radiation (03CH23-HY) |
| Signal Analyzer | Keysight | N9010B | MY62170337 | N/A | Aug. 21, 2024 | Nov. 14, 2024~ Nov. 27, 2024 | Aug. 20, 2025 | Radiation (03CH23-HY) |
| Hygrometer | TECPEL | DTM-303A | TP210001 | N/A | Oct. 24, 2024 | Nov. 14, 2024~ Nov. 27, 2024 | Oct. 23, 2025 | Radiation (03CH23-HY) |
| Controller | EMEC | EM1000 | N/A | Control Turn table & Ant Mast | N/A | Nov. 14, 2024~ Nov. 27, 2024 | N/A | Radiation (03CH23-HY) |
| Antenna Mast | ChainTek | MBS-520-1 | N/A | 1m~4m | N/A | Nov. 14, 2024~ Nov. 27, 2024 | N/A | Radiation (03CH23-HY) |
| Turn Table | ChainTek | T-200-S-1 | N/A | 0~360 Degree | N/A | Nov. 14, 2024~ Nov. 27, 2024 | N/A | Radiation (03CH23-HY) |
| Software | Audix | E3 6.09824_2019122 | RK-002348 | N/A | N/A | Nov. 14, 2024~ Nov. 27, 2024 | N/A | Radiation (03CH23-HY) |
| RF Cable | HUBER + SUHNER | SUCOFLEX 102 | 803951/2 | 9kHz~30MHz | Mar. 06, 2024 | Nov. 14, 2024~ Nov. 27, 2024 | Mar. 05, 2025 | Radiation (03CH23-HY) |
| RF Cable | HUBER + SUHNER | SUCOFLEX 102 | 804395/2 | N/A | Nov. 27, 2023 | Nov. 14, 2024~ Nov. 25, 2024 | Nov. 26, 2024 | Radiation (03CH23-HY) |
| RF Cable | HUBER + SUHNER | SUCOFLEX 102 | 804395/2 | N/A | Nov. 26, 2024 | Nov. 26, 2024~ Nov. 27, 2024 | Nov. 25, 2025 | Radiation (03CH23-HY) |
| RF Cable | EMC | EMC101Y | 231115/231119 /231122 | N/A | Nov. 27, 2023 | Nov. 14, 2024~ Nov. 25, 2024 | Nov. 26, 2024 | Radiation (03CH23-HY) |
| RF Cable | EMC | EMC101Y | 231115/231119 /231122 | N/A | Nov. 26, 2024 | Nov. 26, 2024~ Nov. 27, 2024 | Nov. 25, 2025 | Radiation (03CH23-HY) |
| Hygrometer | TECPEL | DTM-303A | TP201996 | N/A | Nov. 07, 2023 | Oct. 01, 2024~ Oct. 31, 2024 | Nov. 06, 2024 | Conducted (TH05-HY) |
| Hygrometer | TECPEL | DTM-303A | TP201996 | N/A | Nov. 01, 2024 | Nov. 01, 2024~ Nov. 25, 2024 | Oct. 31, 2025 | Conducted (TH05-HY) |
| Power Sensor | DARE | RPR3006W | 15I00041SNO 10 (NO:248) | 10MHz~6GHz | Jan. 10, 2024 | Oct. 01, 2024~ Nov. 25, 2024 | Jan. 09, 2025 | Conducted (TH05-HY) |
| Signal Analyzer | Rohde & Schwarz | FSV40 | 101566 | 10Hz~40GHz | Aug. 23, 2024 | Oct. 01, 2024~ Nov. 25, 2024 | Aug. 22, 2025 | Conducted (TH05-HY) |
| Switch Control Mainframe | Burgeon | ETF-058 | EC1300485 (BOX4) | N/A | Apr. 08, 2024 | Oct. 01, 2024~ Nov. 25, 2024 | Apr. 07, 2025 | Conducted (TH05-HY) |
| Software | Sporton | BTWIFI_Final_ver sion_241028 | | Conducted Other Test Item | N/A | Oct. 01, 2024~ Nov. 25, 2024 | N/A | Conducted (TH05-HY) |



| Instrument | Brand Name | Model No. | Serial No. | Characteristics | Calibration Date | Test Date | Due Date | Remark |
|----------------------|--------------------|---------------|-------------|-----------------|---------------------|---------------|---------------|-------------------------|
| AC Power Source | ChainTek | APC-1000W | N/A | N/A | N/A | Nov. 25, 2024 | N/A | Conduction (CO05-HY) |
| EMI Test Receiver | Rohde & Schwarz | ESR3 | 102388 | 9kHz~3.6GHz | Dec. 06, 2023 | Nov. 25, 2024 | Dec. 05, 2024 | Conduction (CO05-HY) |
| Hygrometer | Testo | 608-H1 | 34913912 | N/A | Oct. 14, 2024 | Nov. 25, 2024 | Oct. 13, 2025 | Conduction (CO05-HY) |
| LISN | Rohde & Schwarz | ENV216 | 100081 | 9kHz~30MHz | Nov. 14, 2024 | Nov. 25, 2024 | Nov. 13, 2025 | Conduction (CO05-HY) |
| Software | Rohde & Schwarz | EMC32 | N/A | N/A | N/A | Nov. 25, 2024 | N/A | Conduction (CO05-HY) |
| Pulse Limiter | SCHWARZBE CK | VTSD 9561-F N | 00691 | N/A | Jul. 30, 2024 | Nov. 25, 2024 | Jul. 29, 2025 | Conduction (CO05-HY) |
| LISN Cable | MVE | RG-400 | MQT24082501 | N/A | Oct. 15, 2024 | Nov. 25, 2024 | Oct. 14, 2025 | Conduction (CO05-HY) |



5 Measurement Uncertainty

Uncertainty of Conducted Emission Measurement (150 kHz ~ 30 MHz)

| Measuring Uncertainty for a Level of Confidence | 3.7 dB |
|---|--------|
| of 95% (U = 2Uc(y)) | 5.7 UB |

Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

| Measuring Uncertainty for a Level of Confidence | 6.5 dB |
|---|--------|
| of 95% (U = 2Uc(y)) | 0.3 dB |

Uncertainty of Radiated Emission Measurement (1000 MHz ~ 6000 MHz)

| Measuring Uncertainty for a Level of Confidence | |
|---|--------|
| of 95% (U = 2Uc(y)) | 4.6 dB |

Uncertainty of Radiated Emission Measurement (6000 MHz ~ 18000 MHz)

| Measuring Uncertainty for a Level of Confidence | 4.6 dB |
|---|--------|
| of 95% (U = 2Uc(y)) | 4:0 dB |

Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

| Measuring Uncertainty for a Level of Confidence | 5.3 dB |
|---|--------|
| of 95% (U = 2Uc(y)) | 5.5 UB |

Report Number : FR492020A

Appendix A. Test Result of Conducted Test Items

| Test Engineer: | Sylvia Li | Temperature: | 21~25 | °C |
|----------------|-----------------------|--------------------|-------|----|
| Test Date: | 2024/10/01~2024/11/25 | Relative Humidity: | 51~54 | % |

| | | | | | 645 | | RESULTS | <u>DATA</u> d Bandwi | dth | | | |
|--------|--------------|-------|----------|----------------|--------------------------------|--|--------------------------|-------------------------------------|------------------------|---------------------------------|---------------|-----------|
| | | | | | <u>00</u> | 5 anu 5570 | Occupie | <u>u Banuwi</u> | <u>um</u> | | | |
| Mod. | Data Rate | Ντx | CH. | Freq. (MHz) | 99% Occupied BW (MHz) | 6dB BW (MHz) | 6dB BW Limit (MHz) | Pass/Fail | | | | |
| BLE | 1Mbps | 1 | 0 | 2402 | 1.049 | 0.693 | 0.50 | Pass | | | | |
| BLE | 1Mbps | 1 | 19 | 2440 | 1.051 | 0.693 | 0.50 | Pass | | | | |
| BLE | 1Mbps | 1 | 39 | 2480 | 1.050 | 0.690 | 0.50 | Pass | | | | |
| | | | | | | | | | | | | |
| | | | | | | | RESULTS | | | | | |
| | | | | | | <u>Avera</u> | ge Power | Table | | | | |
| | | | | | | | | | | | | |
| Mod. | Data Rate | Νт× | CH. | Freq. (MHz) | Cond Pov | Average Conducted Power (dBm) | | DG (dBi) | EIRP Power (dBm) | EIRP Power Limit (dBm) | Pass /Fail | |
| BLE | 1Mbps | 1 | 0 | 2402 | 19. | .20 | 30.00 | 3.02 | 22.22 | 36.00 | Pass | |
| BLE | 1Mbps | 1 | 19 | 2440 | 19 | .00 | 30.00 | 3.02 | 22.02 | 36.00 | Pass | |
| BLE | 1Mbps | 1 | 39 | 2480 | 18 | .30 | 30.00 | 3.02 | 21.32 | 36.00 | Pass | |
| | | | | | | | | | | | | |
| | | | | | | - | RESULTS | | | | | |
| | | | | | | <u>Peak</u> | Power De | ensity | | | | |
| | | | | | | | | | | | | |
| Mod. | Data Rate | Nτx | CH. | Freq. (MHz) | Peak PSD (dBm /100kHz) | Peak PSD (dBm /3kHz) | DG (dBi) | Peak PSD Limit (dBm /3kHz) | Pass/Fail | | | |
| BLE | 1Mbps | 1 | 0 | 2402 | 19.18 | 7.24 | 3.02 | 8.00 | Pass | | | |
| BLE | 1Mbps | 1 | 19 | 2440 | 19.01 | 7.32 | 3.02 | 8.00 | Pass | | | |
| BLE | 1Mbps | 1 | 39 | 2480 | 18.60 | 6.49 | 3.02 | 8.00 | Pass | | | |
| ote: P | SD (dBr | n/ 10 | 00kHz) i | is a refe | rence level u | used for Con | ducted Bar | d Edges and | d Conducted | Spurious E | Emission 30dE | 3c limit. |

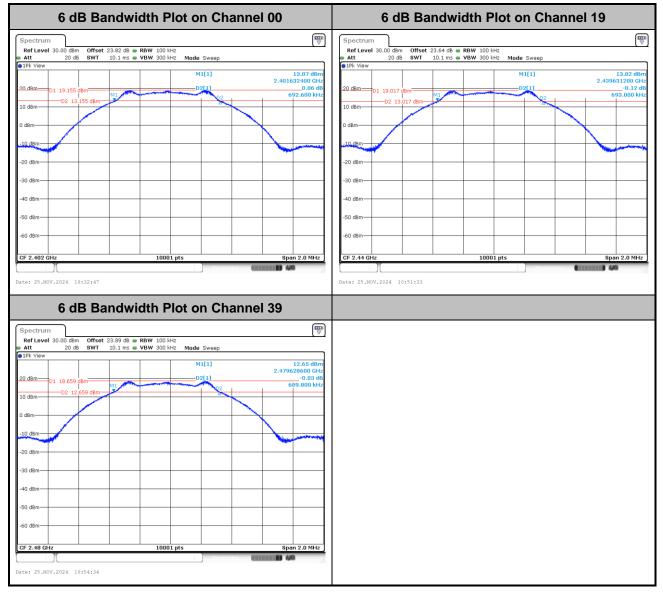
Report Number : FR492020A

| | | | | | 6dB | - | <u>ESULTS I</u> Occupied | Bandwid | <u>th</u> | | | |
|---------|--------------|------|----------|----------------|--|----------------------------|--------------------------------------|-------------------------------------|------------------------|---------------------------------|---------------|--------|
| | | | | | | | | | | | | |
| Mod. | Data Rate | Ntx | CH. | Freq. (MHz) | 99% Occupied BW (MHz) | 6dB BW (MHz) | 6dB BW Limit (MHz) | Pass/Fail | | | | |
| BLE | 2Mbps | 1 | CH 00 | 2402 MHz | 2.096 | 1.393 | 0.50 | Pass | | | | |
| BLE | 2Mbps | 1 | CH 19 | 2440 MHz | 2.103 | 1.359 | 0.50 | Pass | | | | |
| BLE | 2Mbps | 1 | CH 38 | 2478 MHz | 2.101 | 1.340 | 0.50 | Pass | | | | |
| BLE | 2Mbps | 1 | CH 39 | 2480 MHz | 2.097 | 1.441 | 0.50 | Pass | | | | |
| | | | | | | | | | | | | |
| | | | | | | | <u>ESULTS I</u> | | | | | |
| | | | | | | <u>Averag</u> | e Power 1 | able | | | | |
| Mod. | Data Rate | NTX | CH. | Freq. (MHz) | Average Conducted Power (dBm) | | Conducted Power Limit (dBm) | DG (dBi) | EIRP Power (dBm) | EIRP Power Limit (dBm) | Pass /Fail | |
| BLE | 2Mbps | 1 | CH 00 | 2402 MHz | 19 | .10 | 30.00 | 3.02 | 22.12 | 36.00 | Pass | |
| BLE | 2Mbps | 1 | CH 19 | 2440 MHz | 19 | .00 | 30.00 | 3.02 | 22.02 | 36.00 | Pass | |
| BLE | 2Mbps | 1 | CH 38 | 2478 MHz | 18 | .80 | 30.00 | 3.02 | 21.82 | 36.00 | Pass | |
| BLE | 2Mbps | 1 | CH 39 | 2480 MHz | 15 | .30 | 30.00 | 3.02 | 18.32 | 36.00 | Pass | |
| | | | | | | | | | | | | |
| | | | | | | - | <u>ESULTS I</u> | | | | | |
| | | | | | | <u>reak r</u> | Power Der | isity | | | | |
| Mod. | Data Rate | NTX | CH. | Freq. (MHz) | Peak PSD (dBm /100kHz) | Peak PSD (dBm /3kHz) | DG (dBi) | Peak PSD Limit (dBm /3kHz) | Pass/Fail | | | |
| BLE | 2Mbps | 1 | CH 00 | 2402 MHz | 18.59 | 4.87 | 3.02 | 8.00 | Pass | | | |
| BLE | 2Mbps | 1 | CH 19 | 2440 MHz | 17.92 | 4.30 | 3.02 | 8.00 | Pass | | | |
| BLE | 2Mbps | 1 | CH 38 | 2478 MHz | 18.02 | 4.47 | 3.02 | 8.00 | Pass | | | |
| BLE | 2Mbps | 1 | CH 39 | 2480 MHz | 14.17 | 0.33 | 3.02 | 8.00 | Pass | | | |
| lote: P | SD (dBr | m/ 1 | 00kHz) i | is a referen | ce level use | d for Condu | icted Band E | Edges and C | onducted Sp | ourious Emi | ssion 30dBc | limit. |



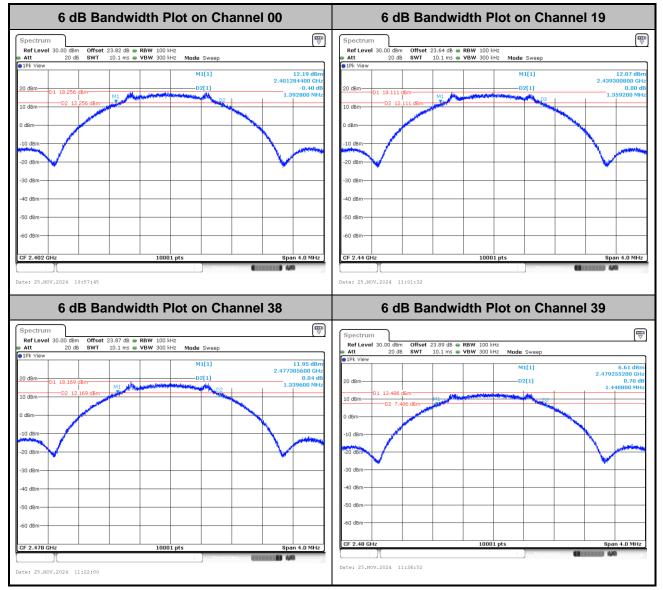
6dB Bandwidth

<1Mbps>





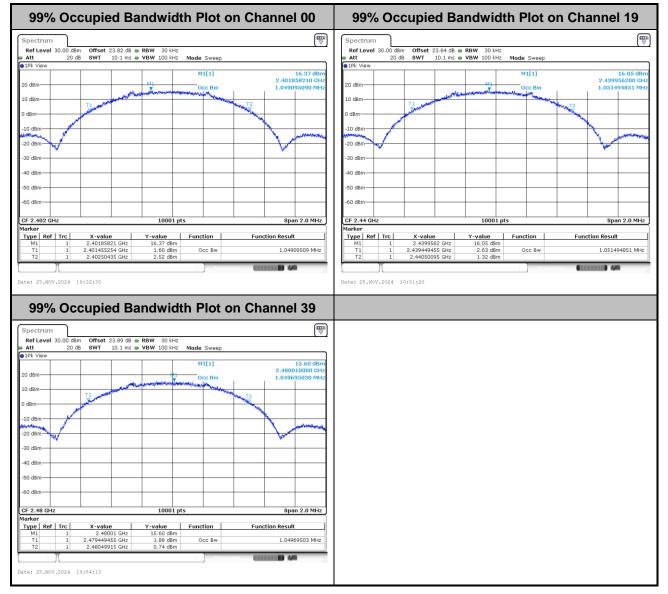
<2Mbps>





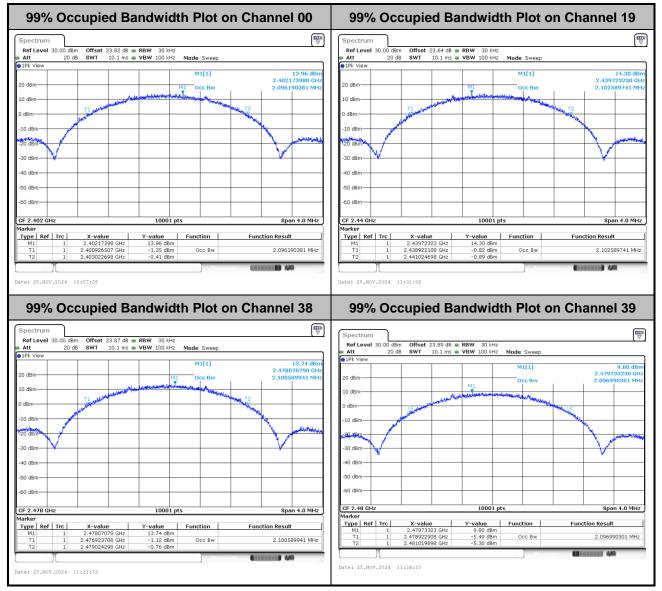
99% Occupied Bandwidth

<1Mbps>





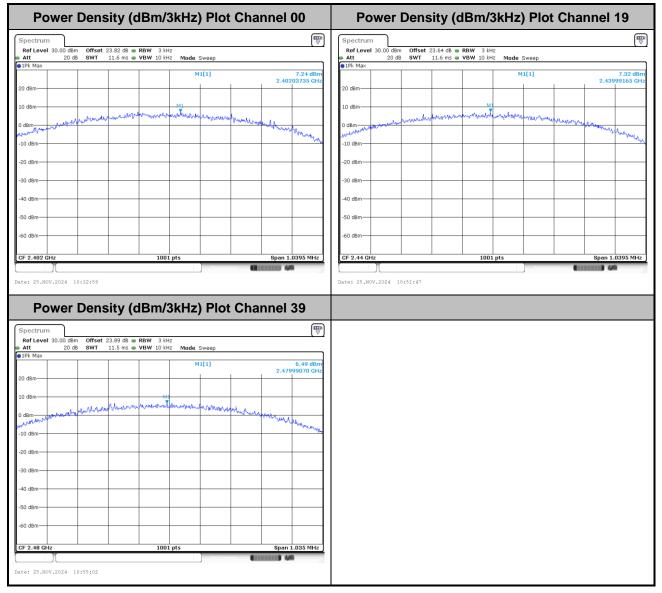
<2Mbps>





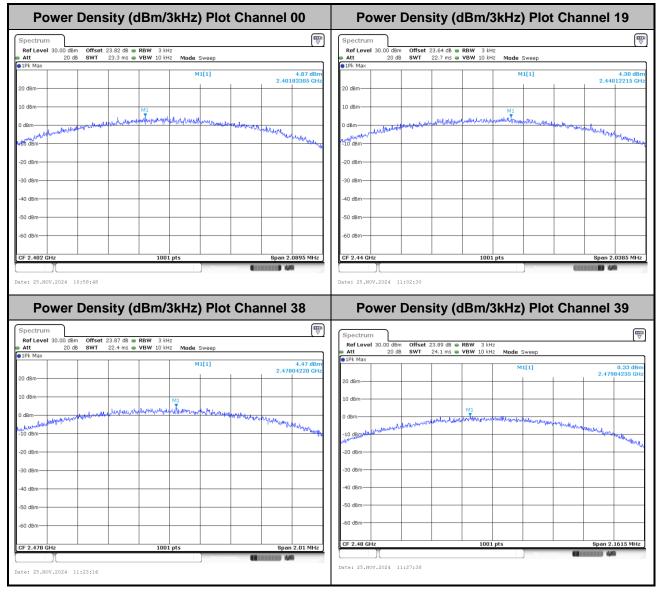
Power Spectral Density (dBm/3kHz)

<1Mbps>





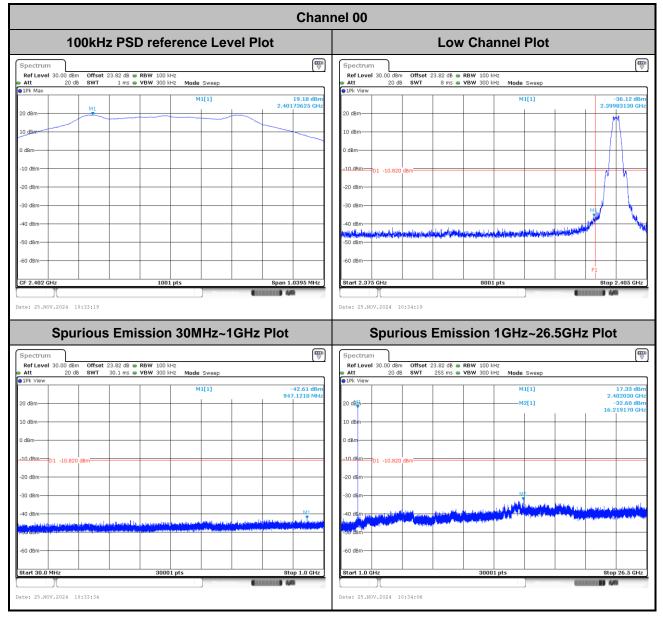
<2Mbps>





Band Edge and Conducted Spurious Emission

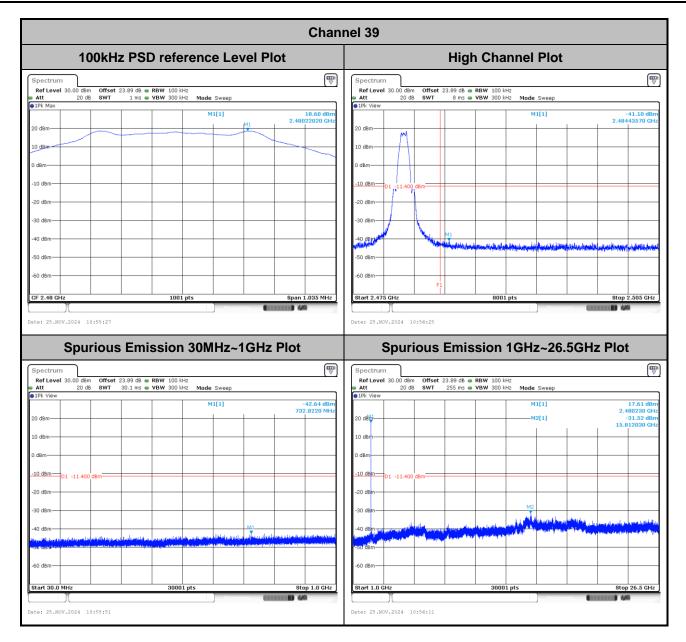
<1Mbps>



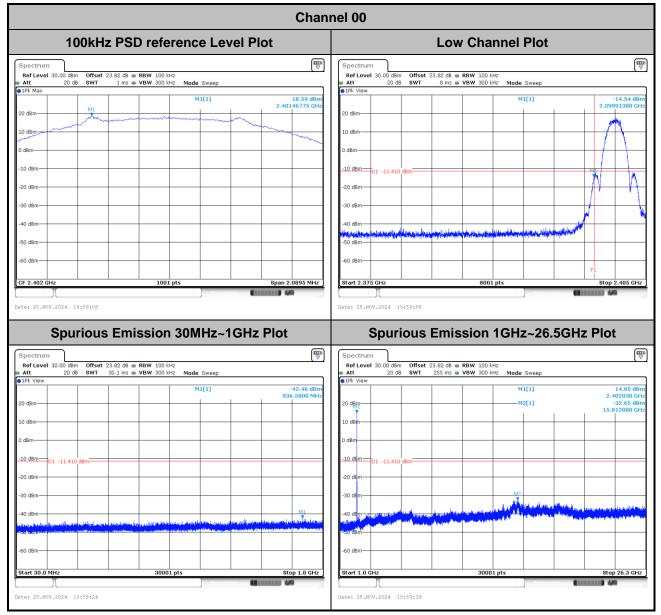


| Channel 19 | |
|---|---|
| 100kHz PSD reference Level Plot | Mid Channel Plot |
| Spectrum mb Ref Level 30.00 dBm Offset 23.64 dB • RBW 100 kHz • Att 20 dB SWT 1 ms • VBW 300 kHz Mode Sweep | |
| | |
| 10 dam | |
| 0 d8m | |
| -20 dBm | |
| -40 d8m | |
| -50 dBm | |
| CF 2.44 GHz 1001 pts Span 1.0395 MHz | |
| Spurious Emission 30MHz~1GHz Plot | Spurious Emission 1GHz~26.5GHz Plot |
| Spectrum | Spectrum (100) Ref Level 30.00 dBm Offset 23.64 dB ● RBW 100 kHz |
| Att 20 dB SWT 30.1 ms VBW 300 kHz Mode Sweep PR View M1[1] -+2.38 dBm 804.1150 MHz 20 dBm | Att 20 dB SWT 255 ms • VBW 300 kHz Mode Sweep IPk View M1[1] 18.41 dBm 2.440280 GHz -32.36 dBm IS.812800 GHz 15.812800 GHz |
| 10 dBm | 10 dBm |
| -10 dBm 01 -10.990 dBm | -10 dBm01 -10.990 dBm |
| -30 d8m- | |
| -40 dBm | |
| -60 dBm | -60 dBm |
| Date: 25.NOV.2024 10:52:35 | Date: 25.NOV.2024 10:53:18 |





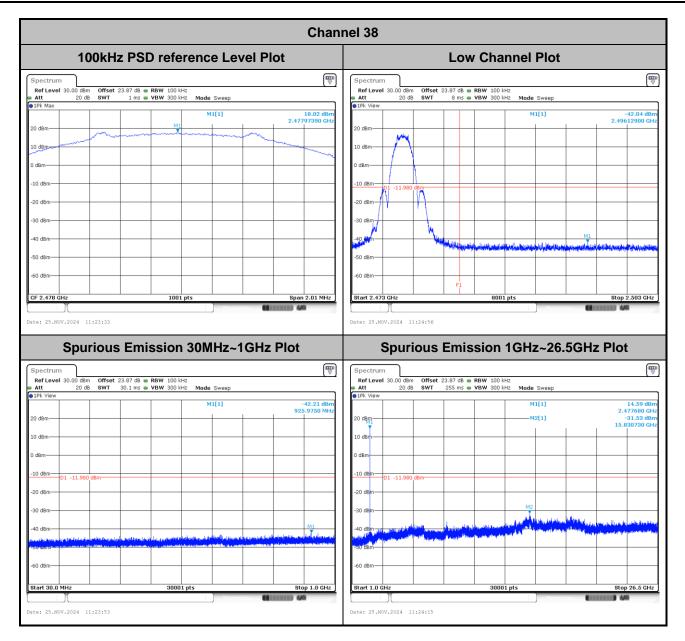




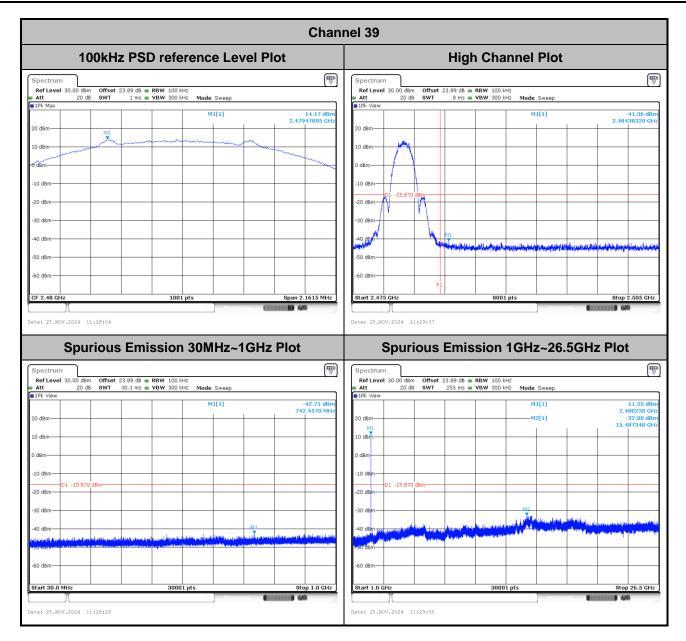


| Chanı | Channel 19 | | | | | | | | |
|---|---|--|--|--|--|--|--|--|--|
| 100kHz PSD reference Level Plot | Mid Channel Plot | | | | | | | | |
| Spectrum Image: Spectrum RefLevel 30.00 dbm Offset 23.64 db @ RBW 100 kHz Att 20 db SWT 1 ms @ VBW 300 kHz Mode Sweep | | | | | | | | | |
| | | | | | | | | | |
| 0 dBm | | | | | | | | | |
| -20 dBm | | | | | | | | | |
| -40 d8m | | | | | | | | | |
| -60 dBm -60 dBm CF 2.44 GHz 1001 pts Span 2.0385 MHz | | | | | | | | | |
| Dete: 25.NOV.2024 11:02:48 Spurious Emission 30MHz~1GHz Plot | Spurious Emission 1GHz~26.5GHz Plot | | | | | | | | |
| Spectrum Ref Level 30.00 d8m Offset 23.64 d8 ● RBW 100 kHz | Spectrum Ref Level 30.00 dBm Offset 23.64 dB ● RBW 100 kHz | | | | | | | | |
| Att 20 d8 SWT 30.1 ms ● VBW 300 kHz Mode Sweep PIPk View M1[1]43.18 dBm 784.6190 MHz 20 dBm | Att 20 dB SWT 255 ms ♥ VBW 300 kHz Mode Sweep ●1Pk View | | | | | | | | |
| 10 dBm | 10 d8m | | | | | | | | |
| -20 dBm 01 -12.080 dBm | -20 dBm | | | | | | | | |
| | | | | | | | | | |
| -60 dBm | -60 dBm | | | | | | | | |
| Date: 25.NOV.2024 11:03:08 | Messuring. | | | | | | | | |











Appendix B. AC Conducted Emission Test Results

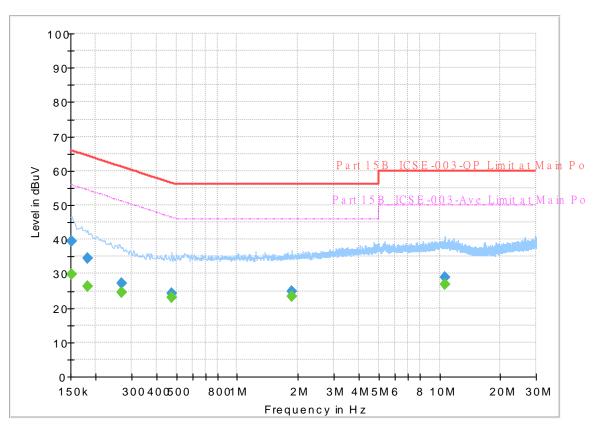
| Toot Engineer | Test Engineer : Calvin Wang | Temperature : | 23~26 ℃ |
|----------------|-----------------------------|---------------------|----------------|
| rest Engineer. | Calvin Wang | Relative Humidity : | 45~55% |

EUT Information

Report NO :

492020

Test Voltage : Phase : 120Vac/60Hz Line



FullSpectrum

Final_Result

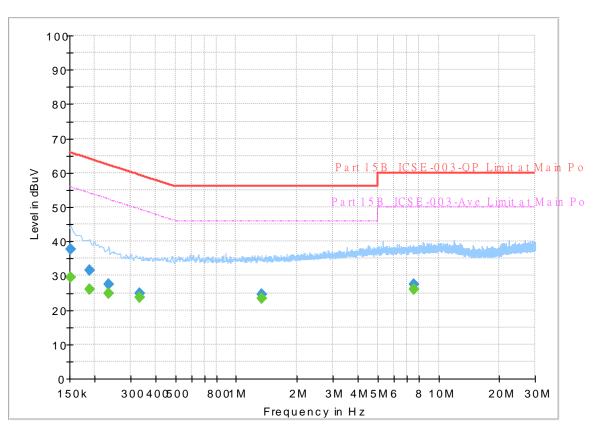
| Frequency | QuasiPeak | CAverage | Limit | Margin | Line | Filter | Corr. |
|-----------|-----------|----------|--------|--------|------|--------|-------|
| (MHz) | (dBuV) | (dBuV) | (dBuV) | (dB) | | | (dB) |
| 0.152250 | | 29.84 | 55.88 | 26.04 | L1 | OFF | 19.8 |
| 0.152250 | 39.49 | | 65.88 | 26.39 | L1 | OFF | 19.8 |
| 0.181500 | | 26.42 | 54.42 | 28.00 | L1 | OFF | 19.8 |
| 0.181500 | 34.38 | | 64.42 | 30.04 | L1 | OFF | 19.8 |
| 0.269250 | | 24.44 | 51.14 | 26.70 | L1 | OFF | 19.8 |
| 0.269250 | 27.30 | | 61.14 | 33.84 | L1 | OFF | 19.8 |
| 0.474000 | | 23.13 | 46.44 | 23.31 | L1 | OFF | 19.8 |
| 0.474000 | 24.39 | | 56.44 | 32.05 | L1 | OFF | 19.8 |
| 1.857750 | | 23.47 | 46.00 | 22.53 | L1 | OFF | 19.9 |
| 1.857750 | 24.73 | | 56.00 | 31.27 | L1 | OFF | 19.9 |
| 10.641750 | | 26.87 | 50.00 | 23.13 | L1 | OFF | 20.3 |
| 10.641750 | 28.88 | | 60.00 | 31.12 | L1 | OFF | 20.3 |

EUT Information

Report NO :

492020

Test Voltage : Phase : 120Vac/60Hz Neutral



Final_Result

| Frequency (MHz) | QuasiPeak (dBuV) | CAverage (dBuV) | Limit (dBuV) | Margin (dB) | Line | Filter | Corr. (dB) |
|--------------------|---------------------|--------------------|-----------------|----------------|------|--------|---------------|
| 0.152250 | | 29.65 | 55.88 | 26.23 | Ν | OFF | 19.8 |
| 0.152250 | 37.70 | | 65.88 | 28.18 | Ν | OFF | 19.8 |
| 0.188250 | | 26.13 | 54.11 | 27.98 | Ν | OFF | 19.8 |
| 0.188250 | 31.64 | | 64.11 | 32.47 | Ν | OFF | 19.8 |
| 0.233250 | | 24.99 | 52.33 | 27.34 | Ν | OFF | 19.8 |
| 0.233250 | 27.58 | | 62.33 | 34.75 | Ν | OFF | 19.8 |
| 0.334500 | | 23.74 | 49.34 | 25.60 | Ν | OFF | 19.8 |
| 0.334500 | 24.76 | | 59.34 | 34.58 | Ν | OFF | 19.8 |
| 1.338000 | | 23.30 | 46.00 | 22.70 | Ν | OFF | 19.9 |
| 1.338000 | 24.47 | | 56.00 | 31.53 | Ν | OFF | 19.9 |
| 7.584000 | | 25.92 | 50.00 | 24.08 | Ν | OFF | 20.2 |
| 7.584000 | 27.62 | | 60.00 | 32.38 | Ν | OFF | 20.2 |

FullSpectrum



Appendix C. Radiated Spurious Emission Test Data

| Toot Engineer | Leo Li, Karl Hou and Lucifer Jiang | Temperature : | 21.7~22.5°C |
|-----------------|------------------------------------|---------------------|-------------|
| Test Engineer : | | Relative Humidity : | 51~57% |

Note symbol

| -L | Low channel location |
|----|-----------------------|
| -R | High channel location |

C1. Radiated Spurious Emission Test Modes

<1Mbps>

| Mode | Band (MHz) | Antenna | Modulation | Channel Frequency | | Data Rate | RU | Remark |
|--------|---------------|---------|--------------|-------------------|------|--------------|----|--------|
| Mode 1 | 2400-2483.5 | 2 | Bluetooth-LE | 00 | 2402 | 1Mbps | - | - |
| Mode 2 | 2400-2483.5 | 2 | Bluetooth-LE | 19 | 2440 | 1Mbps | - | - |
| Mode 3 | 2400-2483.5 | 2 | Bluetooth-LE | 39 | 2480 | 1Mbps | - | - |
| Mode 8 | 2400-2483.5 | 2 | Bluetooth-LE | 39 | 2480 | 1Mbps | - | SHF |
| Mode 9 | 2400-2483.5 | 2 | Bluetooth-LE | 39 | 2480 | 1Mbps | - | LF |

| Mode | Band (MHz) | Antenna | Modulation | Channel Frequency | | Data Rate | RU | Remark |
|--------|---------------|---------|--------------|-------------------|------|--------------|----|--------|
| Mode 4 | 2400-2483.5 | 2 | Bluetooth-LE | 00 | 2402 | 2Mbps | - | - |
| Mode 5 | 2400-2483.5 | 2 | Bluetooth-LE | 19 | 2440 | 2Mbps | - | - |
| Mode 6 | 2400-2483.5 | 2 | Bluetooth-LE | 38 | 2478 | 2Mbps | - | - |
| Mode 7 | 2400-2483.5 | 2 | Bluetooth-LE | 39 | 2480 | 2Mbps | - | - |



C2. Summary of each worse mode

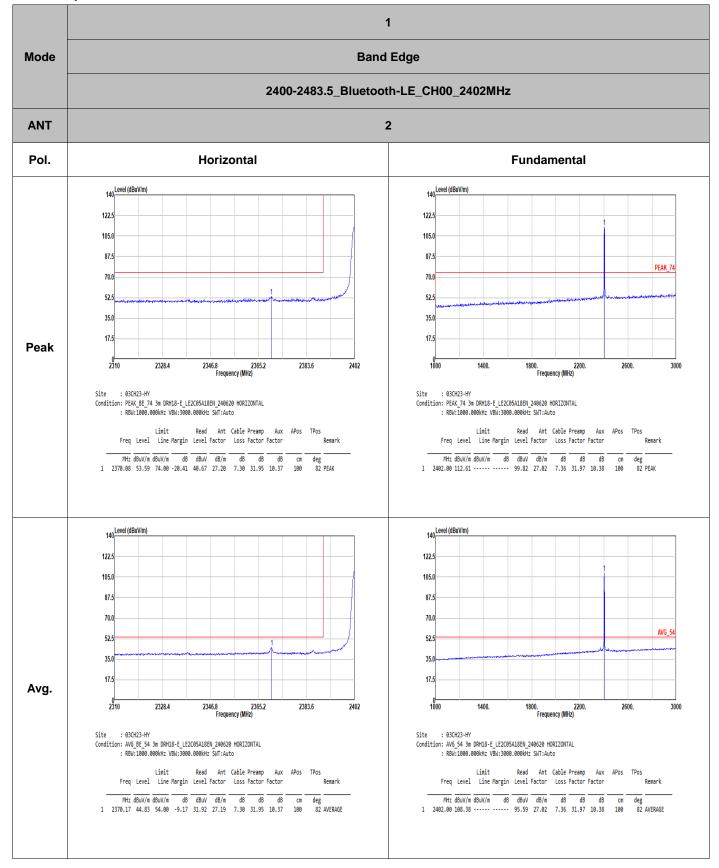
<1Mbps>

| Mode | Modulation | Ch. | Freq. | Level | Limit | Margin | Pol. | Peak | Result | RU | Remark |
|------|--------------|------|----------|----------|----------|--------|------|------|--------|----|-----------|
| Wode | Wouldtion | Cil. | (MHz) | (dBuV/m) | (dBuV/m) | (dB) | F01. | Avg. | Result | ΝŪ | Keinark |
| 1 | Bluetooth-LE | 00 | 2369.98 | 50.02 | 54.00 | -3.98 | V | Avg. | Pass | - | Band Edge |
| | Bluetooth-LE | 00 | 4804.00 | 45.77 | 74.00 | -28.23 | V | Peak | Pass | - | Harmonic |
| 2 | Bluetooth-LE | 19 | 2375.91 | 44.25 | 54.00 | -9.75 | V | Avg. | Pass | - | Band Edge |
| 2 | Bluetooth-LE | 19 | 7320.00 | 40.01 | 54.00 | -13.99 | V | Avg. | Pass | - | Harmonic |
| 3 | Bluetooth-LE | 39 | 2483.58 | 53.62 | 54.00 | -0.38 | V | Avg. | Pass | - | Band Edge |
| 3 | Bluetooth-LE | 39 | 7440.00 | 39.91 | 54.00 | -14.09 | V | Avg. | Pass | - | Harmonic |
| 8 | SHF | 39 | 18127.97 | 41.06 | 74.00 | -32.94 | н | Peak | Pass | - | SHF |
| 9 | LF | 39 | 959.26 | 34.70 | 46.00 | -11.30 | V | Peak | Pass | - | LF |

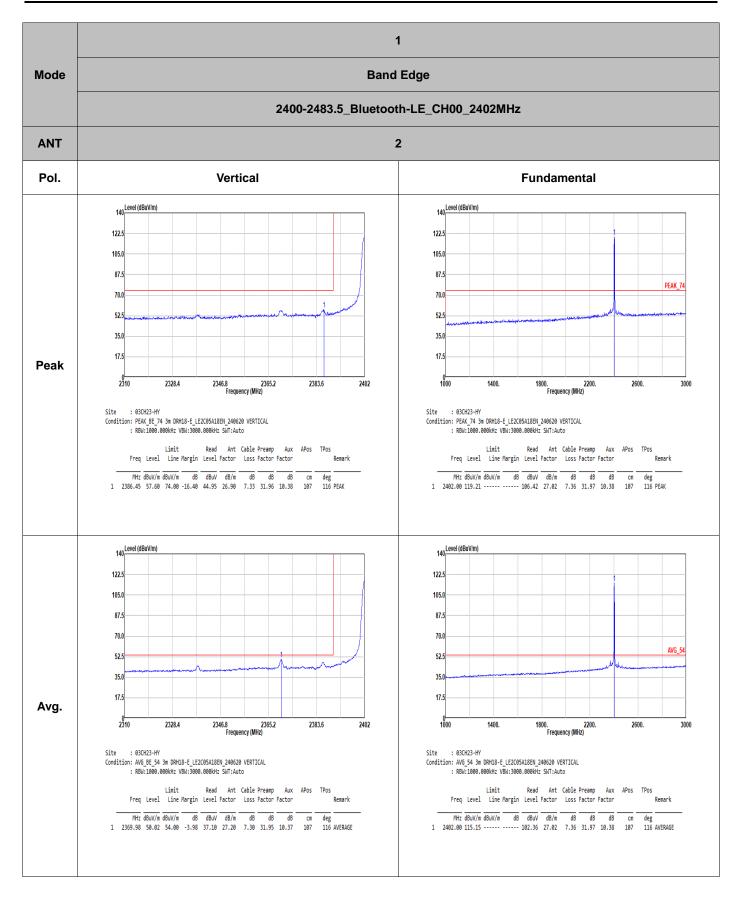
| Mode | Modulation | Ch. | Freq. | Level | Limit | Margin | Ро | Peak | Result | RU | Remark |
|------|--------------|-----|---------|----------|----------|--------|----|------|--------|----|-----------|
| Mode | Modulation | Cn. | (MHz) | (dBuV/m) | (dBuV/m) | (dB) | I. | Avg. | Result | NO | Remark |
| 4 | Bluetooth-LE | 00 | 2369.34 | 47.74 | 54.00 | -6.26 | V | Avg. | Pass | - | Band Edge |
| 4 | Bluetooth-LE | 00 | 4804.00 | 45.74 | 74.00 | -28.26 | V | Peak | Pass | - | Harmonic |
| 5 | Bluetooth-LE | 19 | 2375.78 | 43.69 | 54.00 | -10.31 | V | Avg. | Pass | - | Band Edge |
| 5 | Bluetooth-LE | 19 | 7320.00 | 40.04 | 54.00 | -13.96 | V | Avg. | Pass | - | Harmonic |
| 6 | Bluetooth-LE | 38 | 2483.52 | 45.20 | 54.00 | -8.80 | V | Avg. | Pass | - | Band Edge |
| 0 | Bluetooth-LE | 38 | 7434.00 | 38.73 | 54.00 | -15.27 | Н | Avg. | Pass | - | Harmonic |
| 7 | Bluetooth-LE | 39 | 2483.52 | 53.48 | 54.00 | -0.52 | V | Avg. | Pass | - | Band Edge |
| / | Bluetooth-LE | 39 | 7440.00 | 39.75 | 54.00 | -14.25 | V | Avg. | Pass | - | Harmonic |



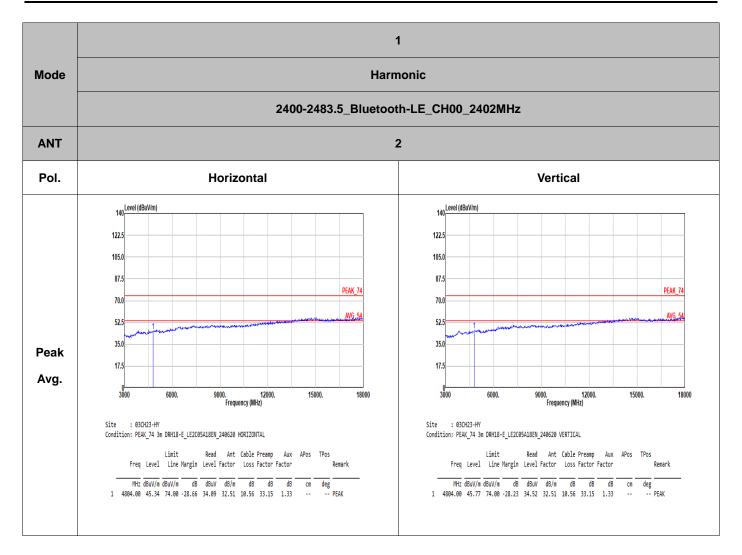
<1Mbps>



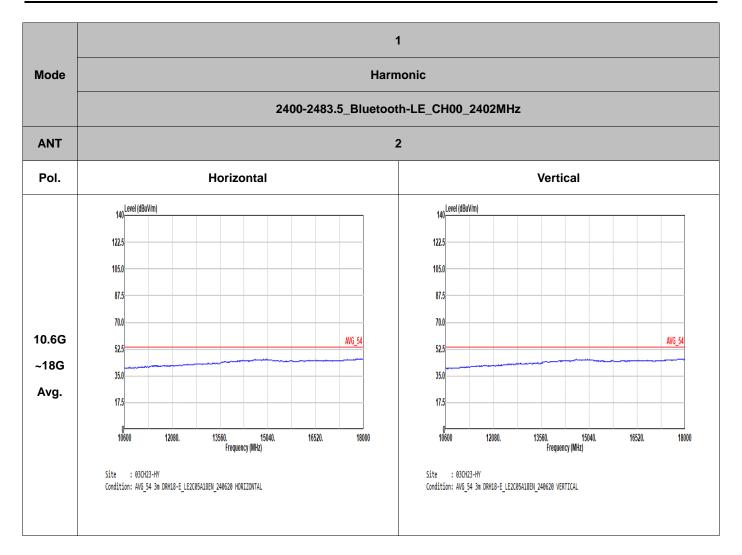




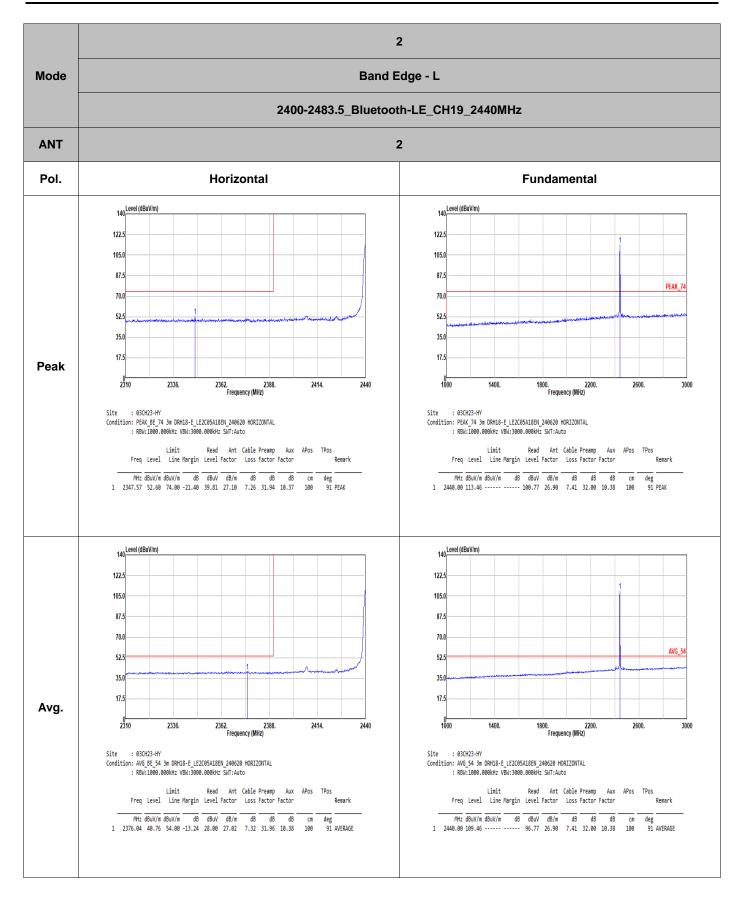




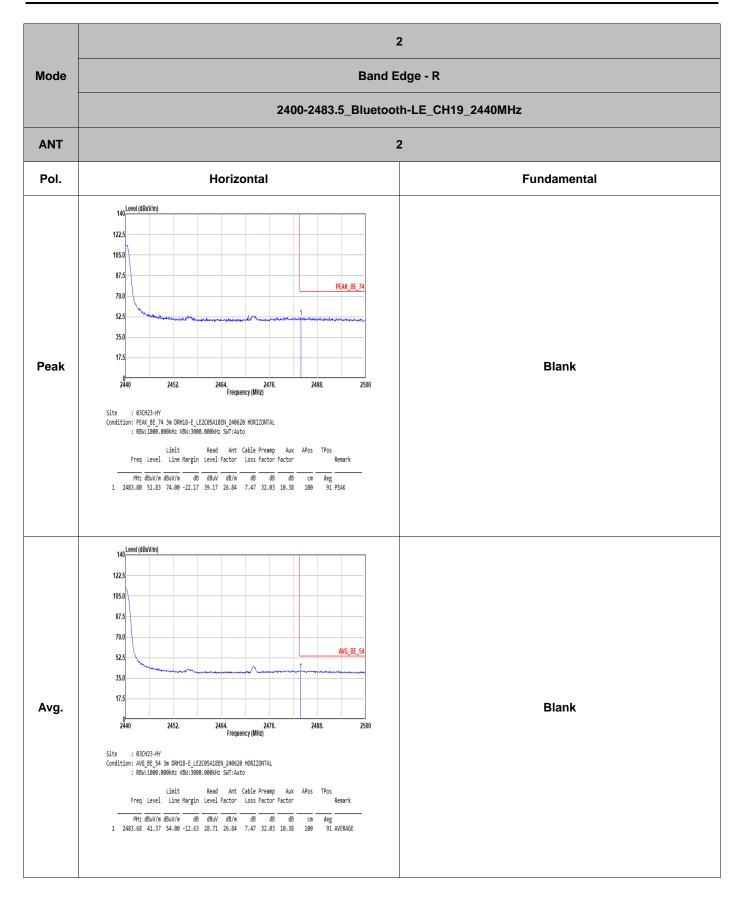




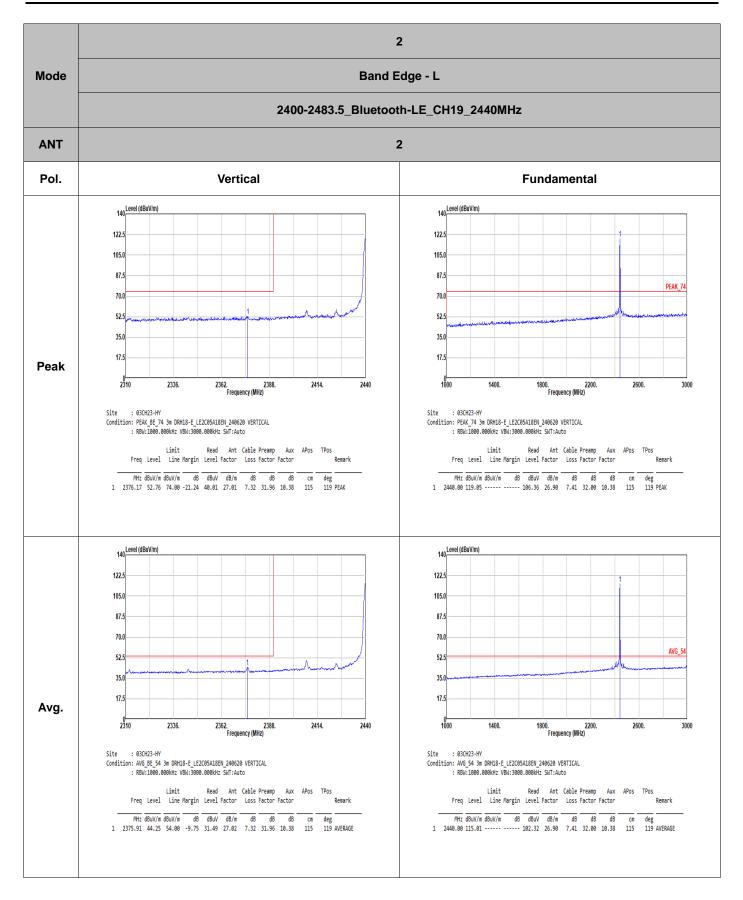




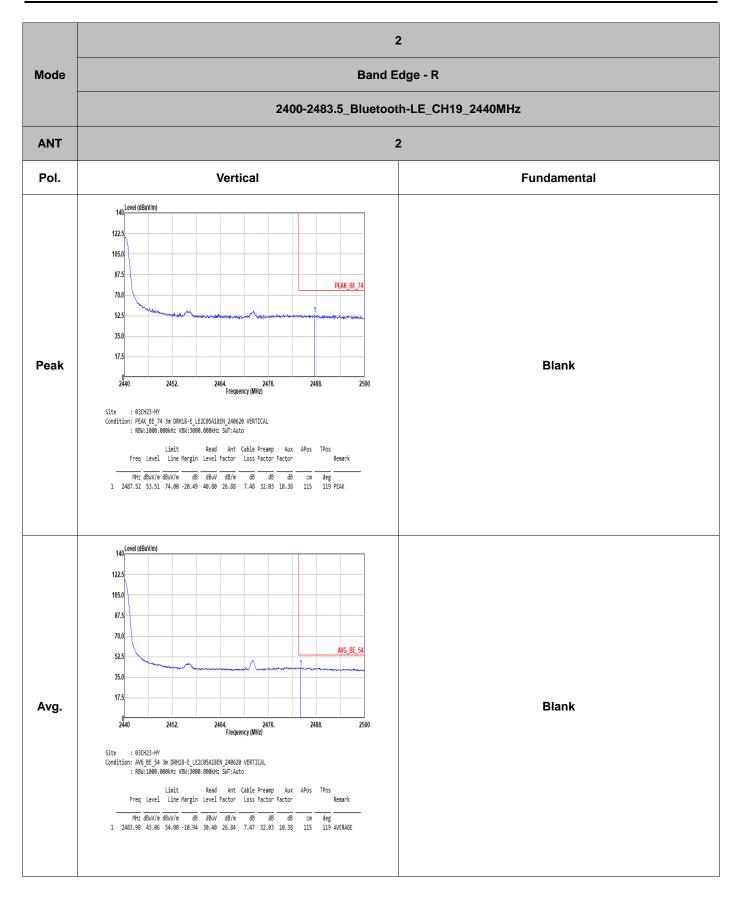




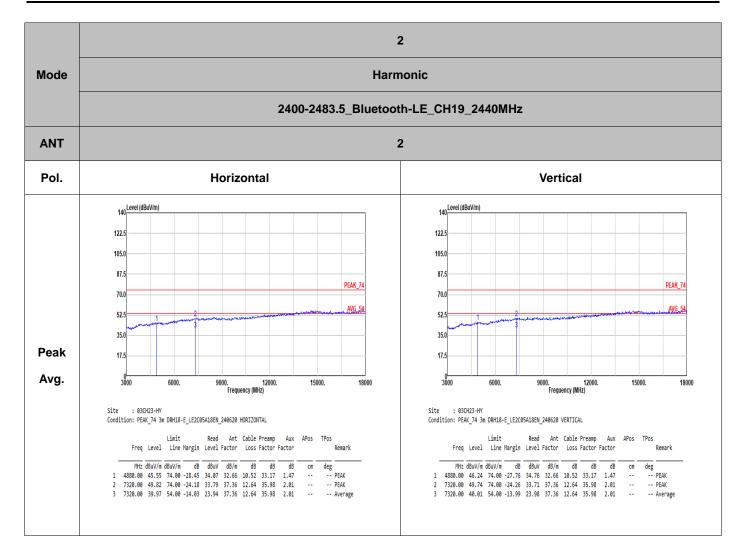




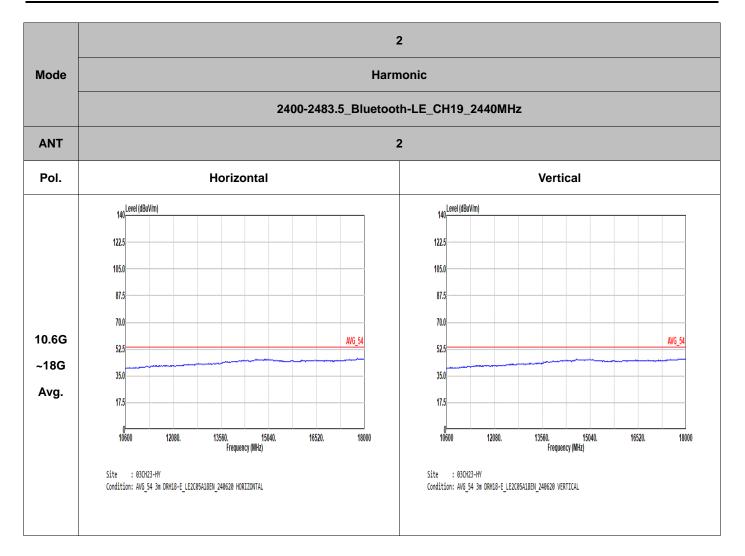




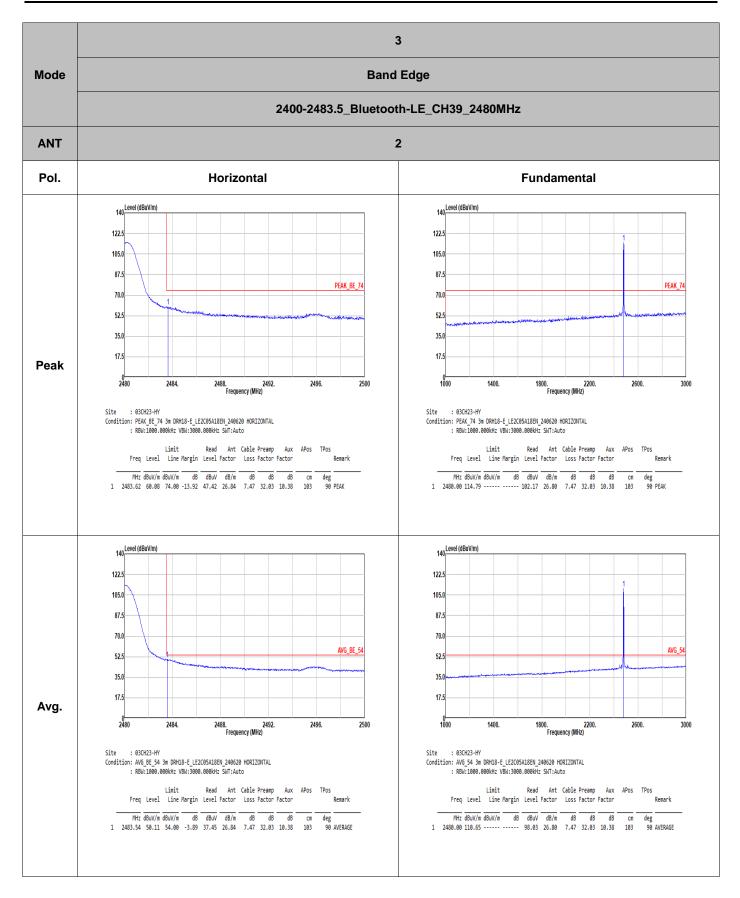




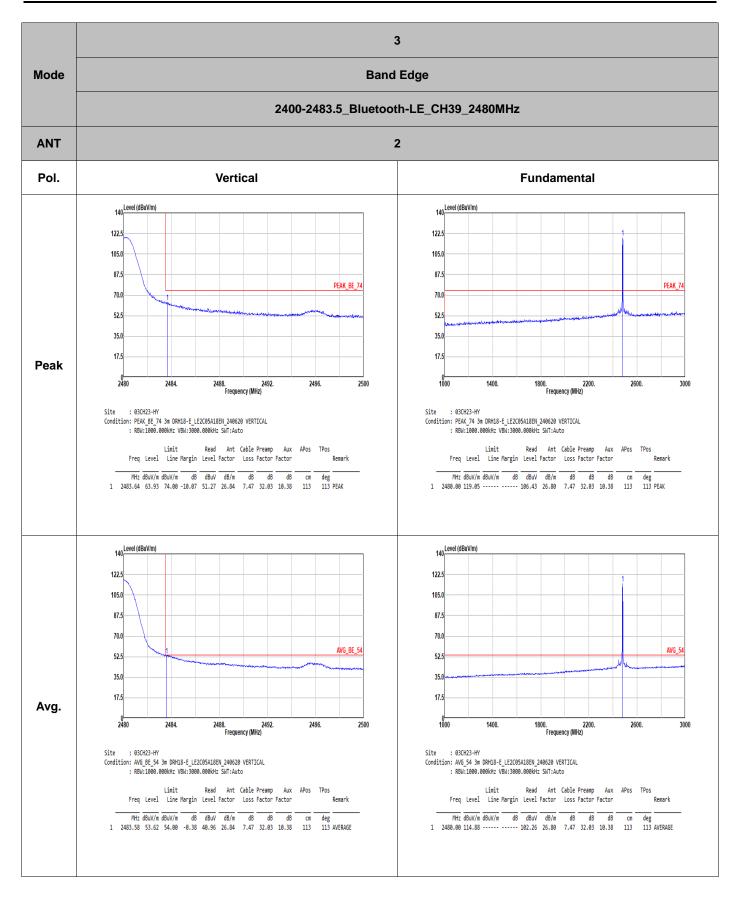




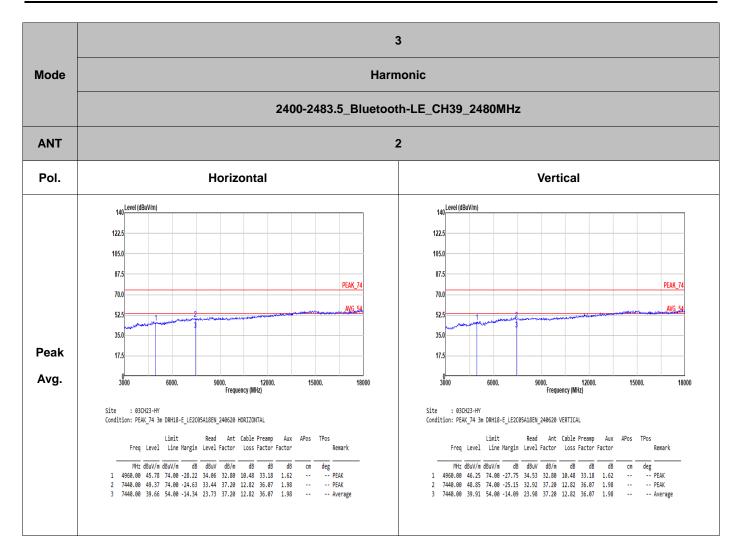




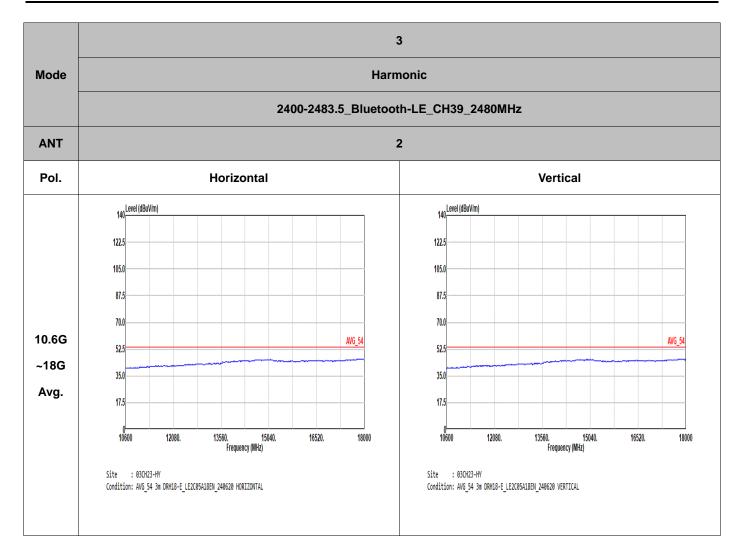




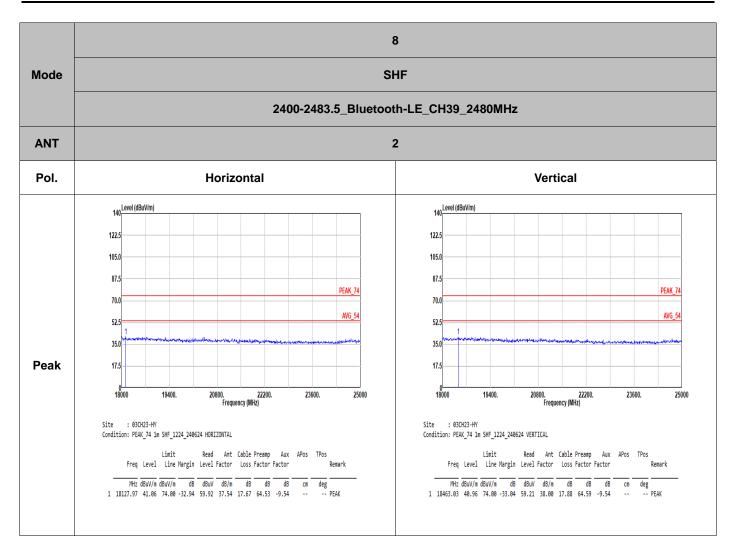




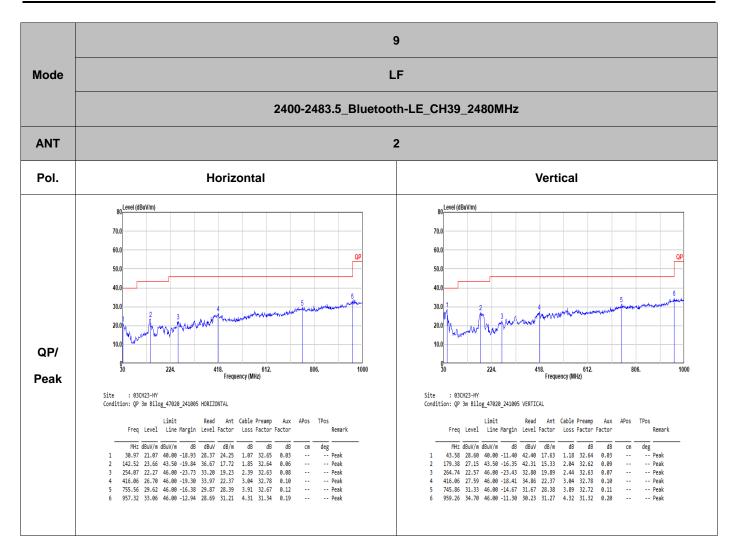




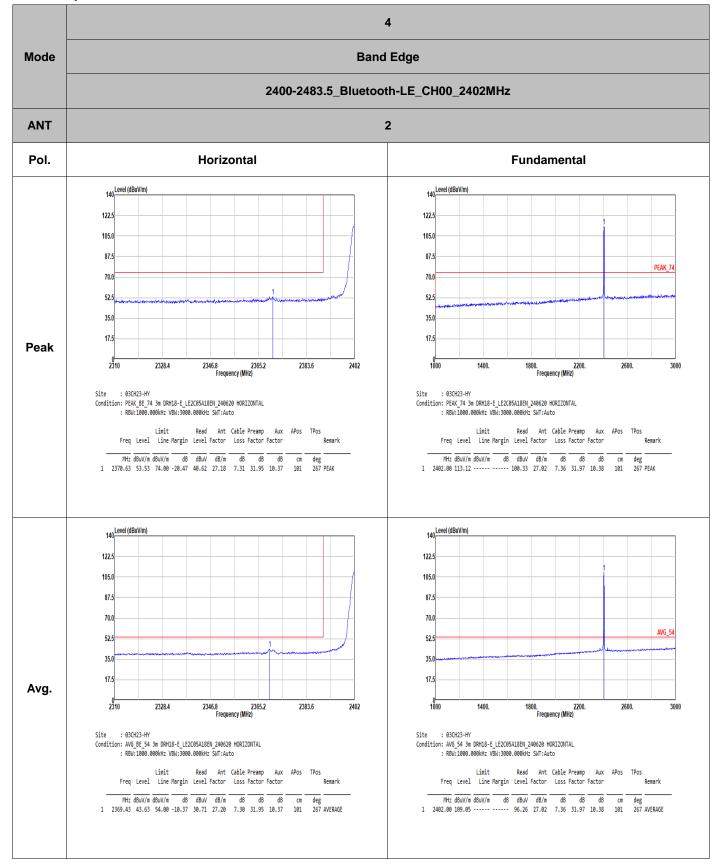




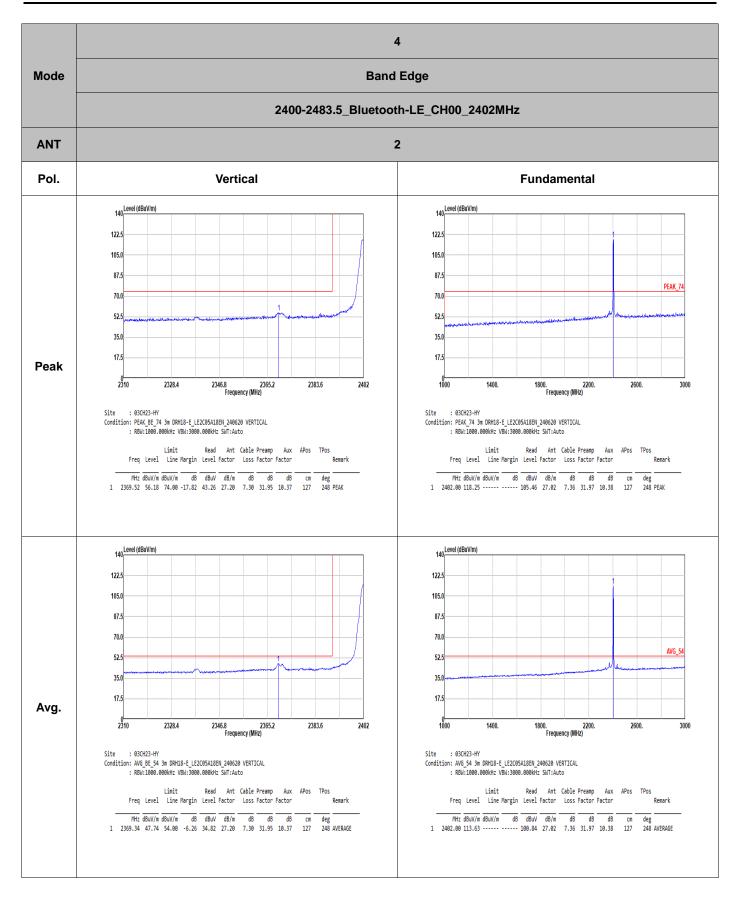




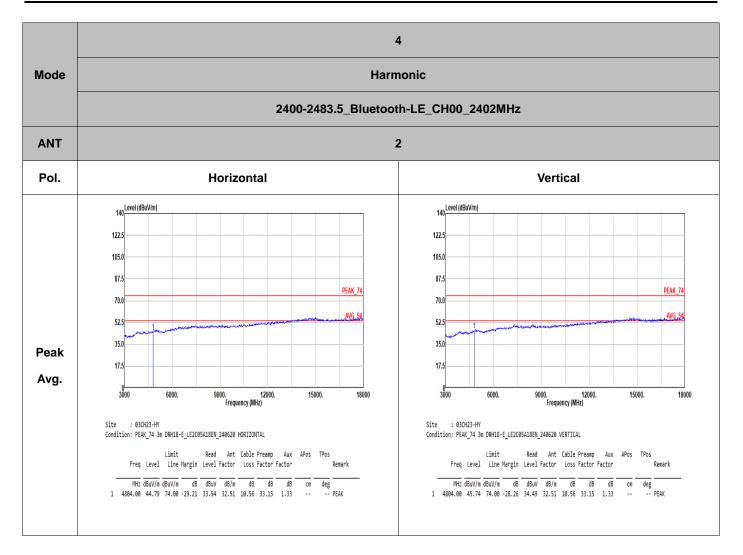




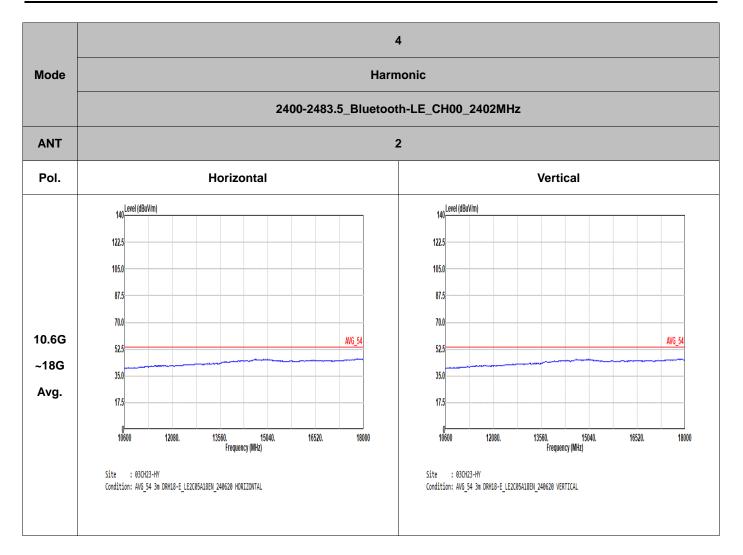




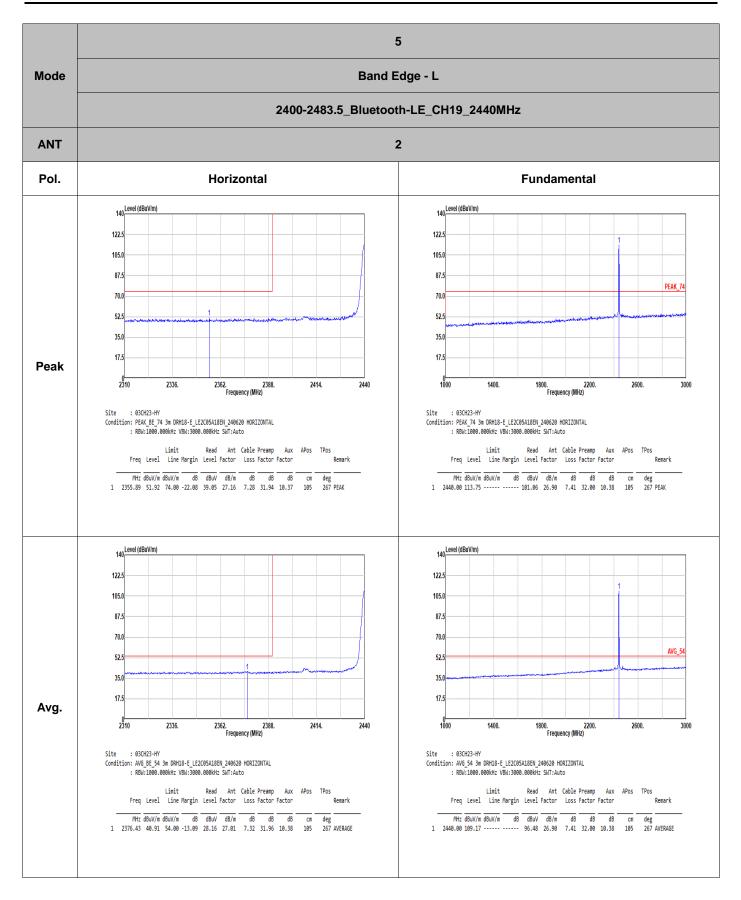




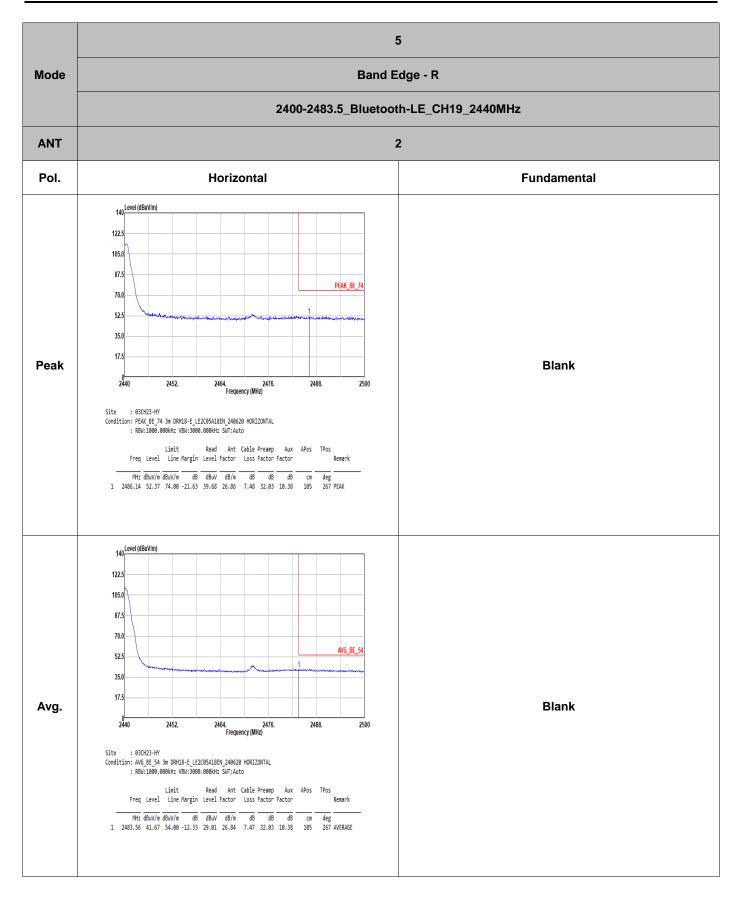




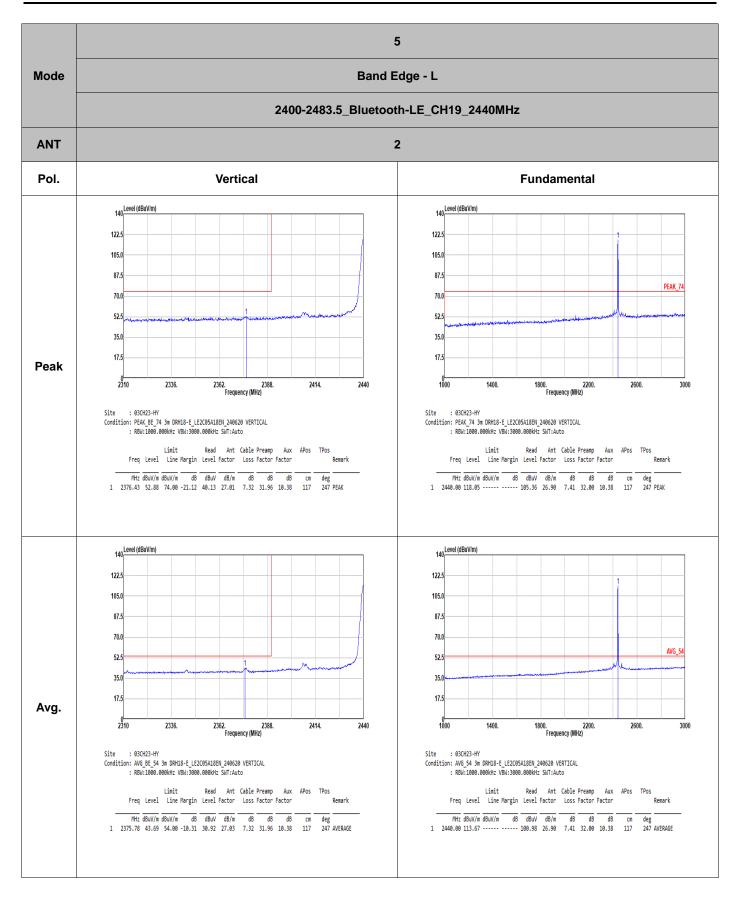




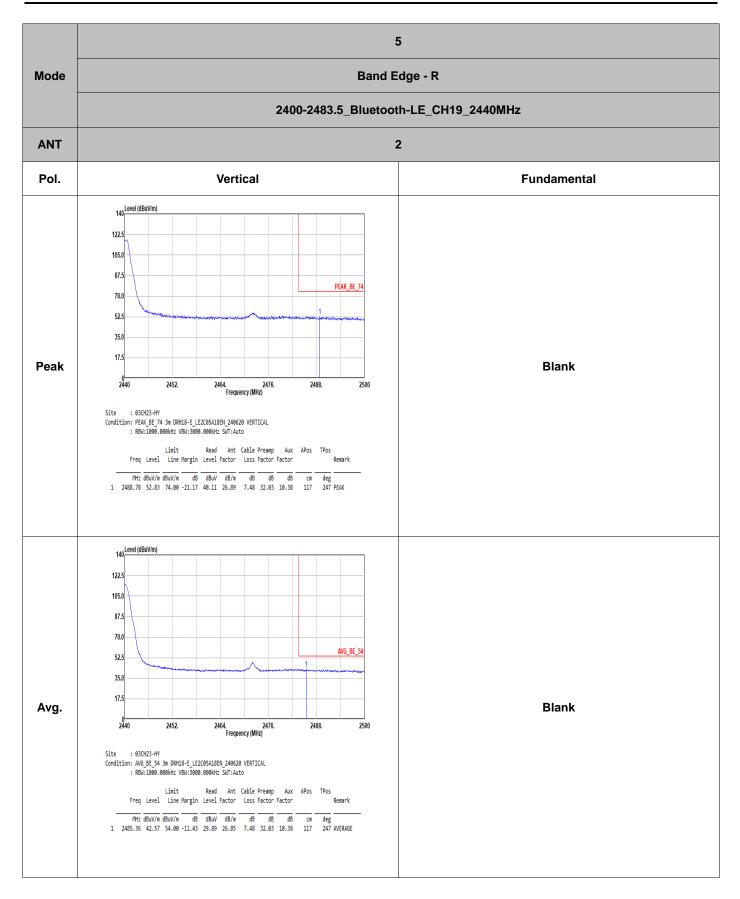




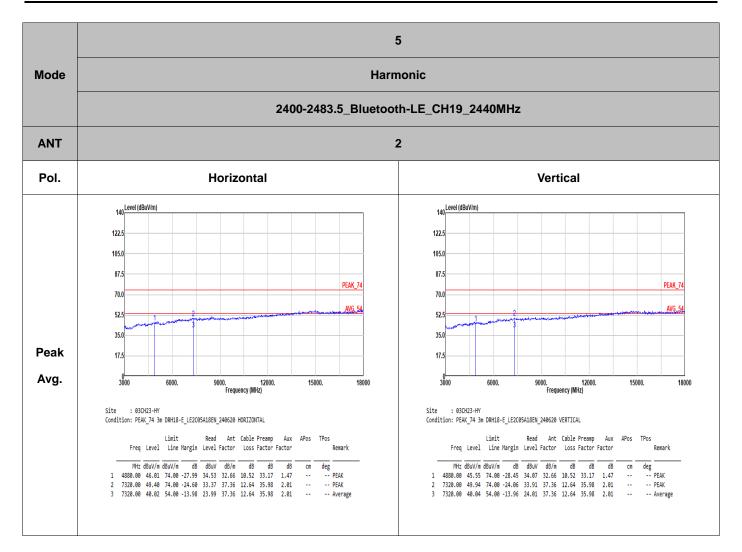




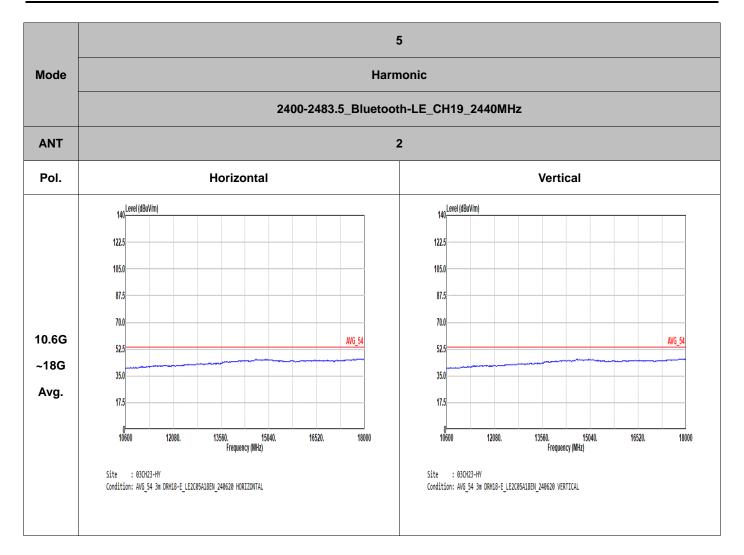




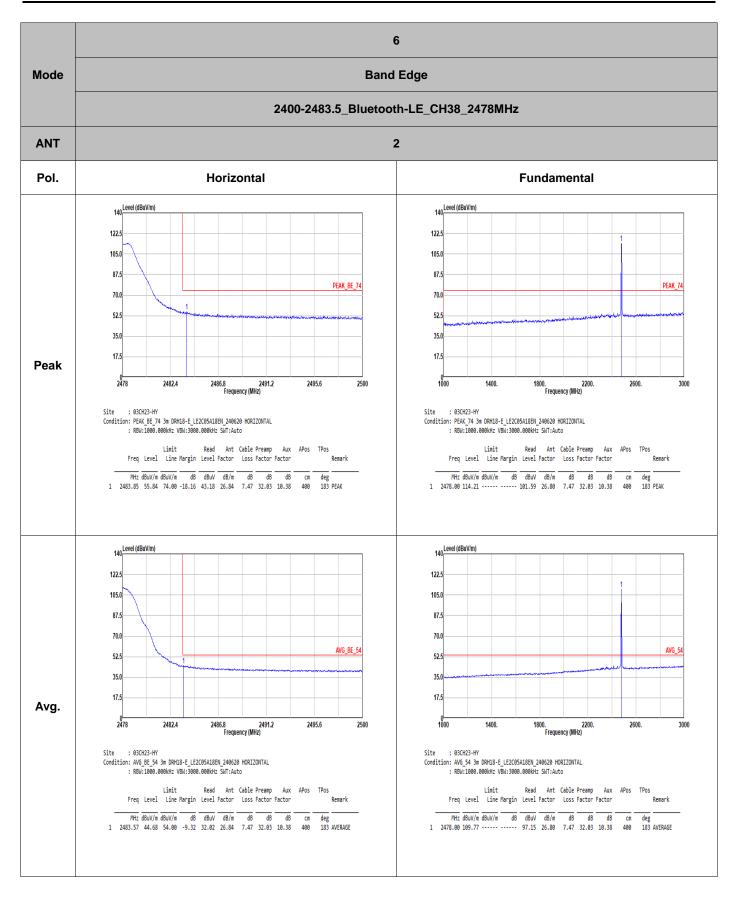




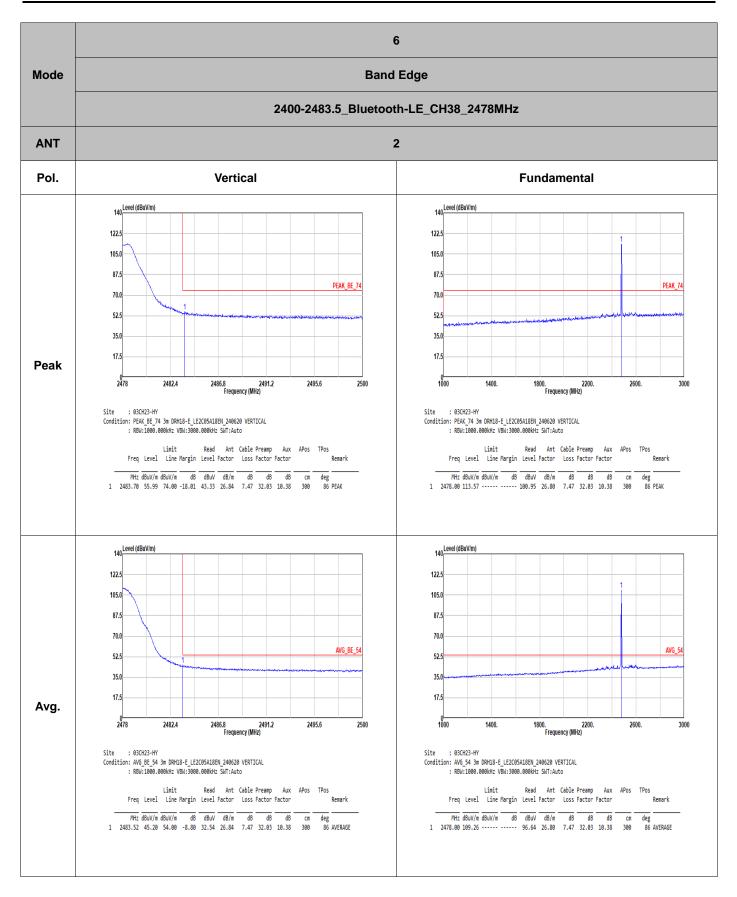




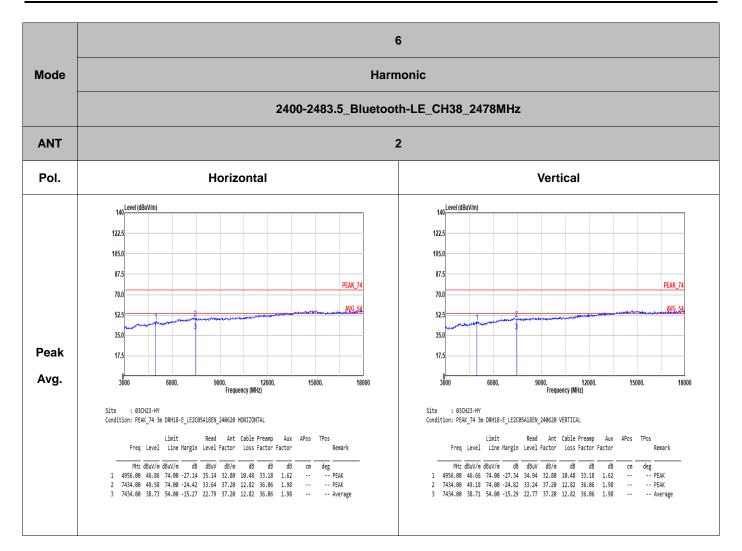




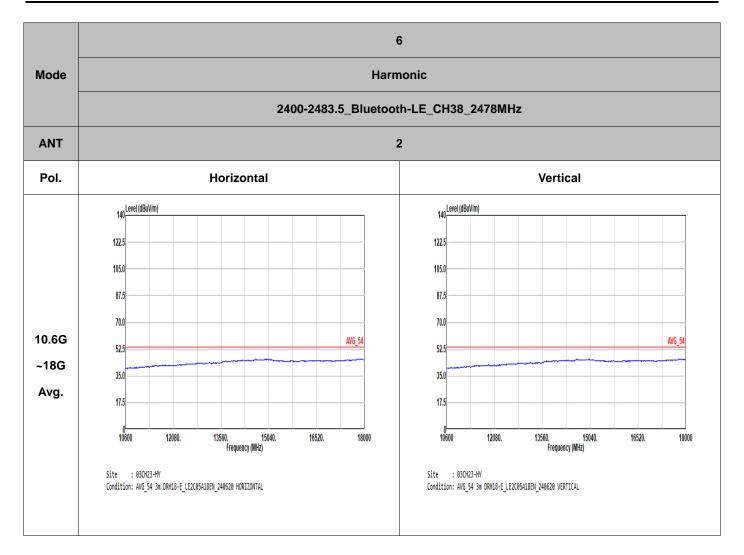




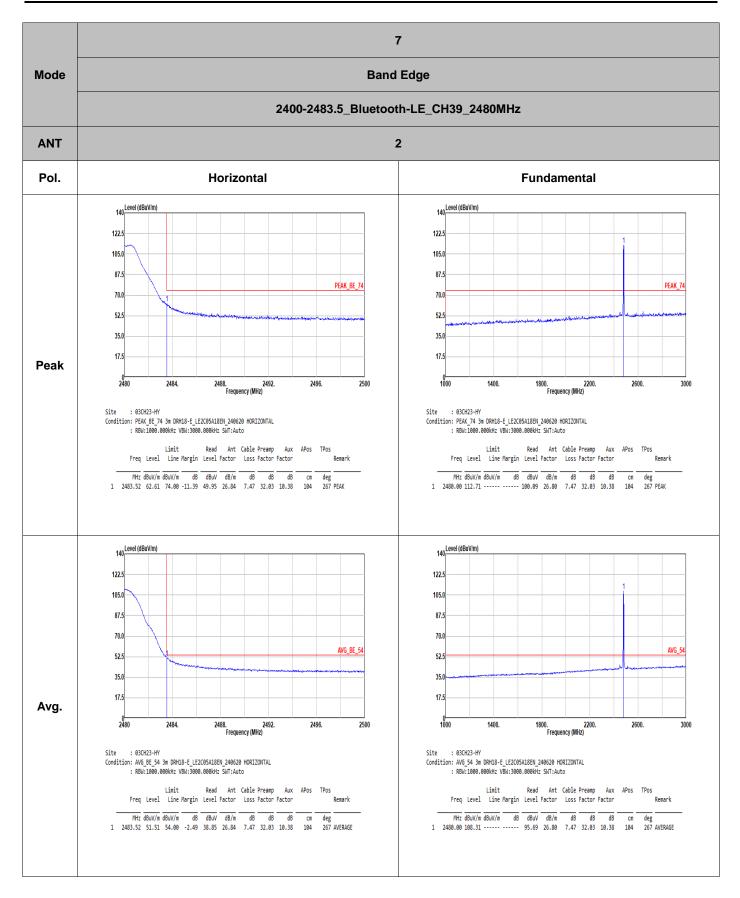




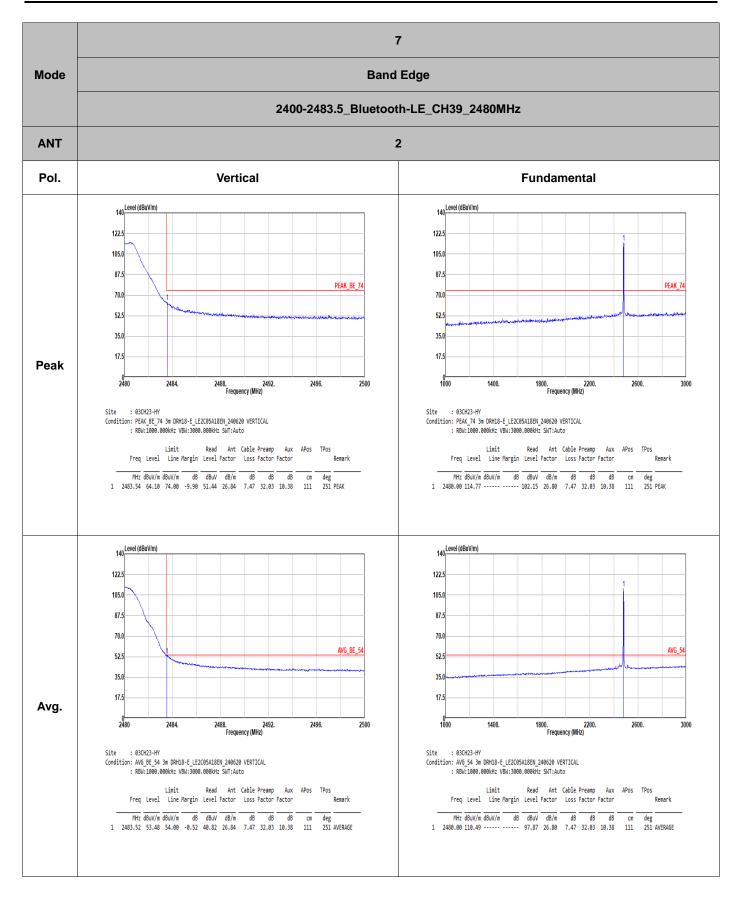




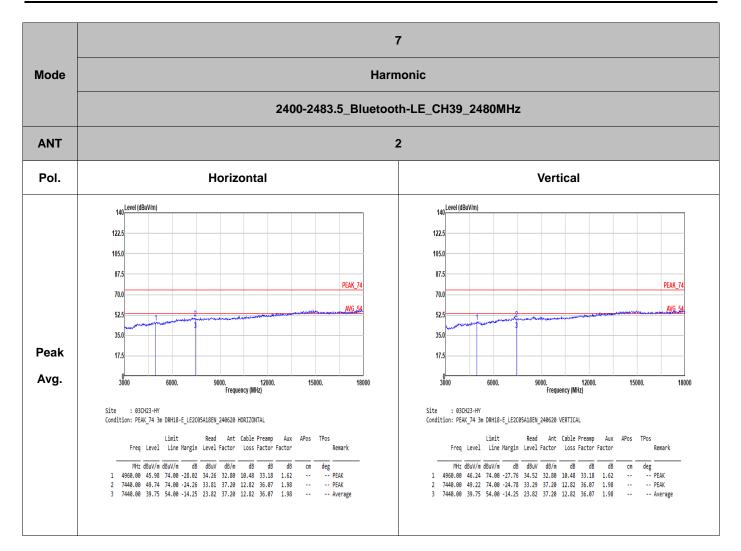




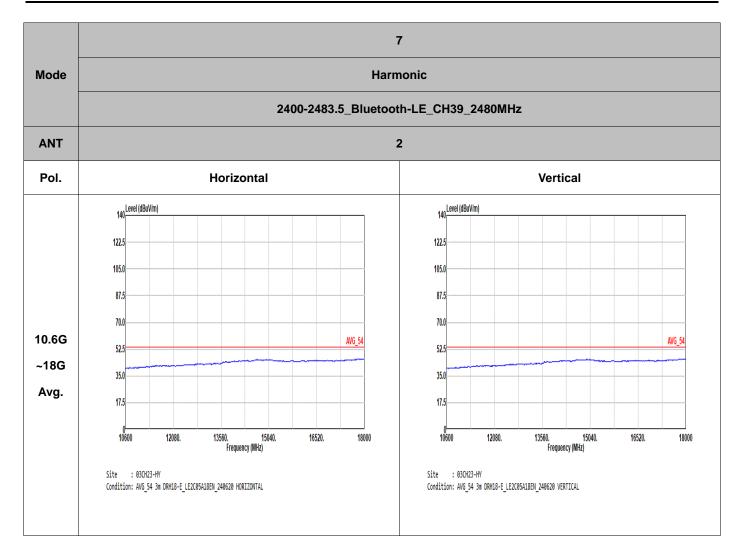














Appendix D. Duty Cycle Plots

| Band | Duty Cycle(%) | T(us) | Duty Factor(dB) |
|--------------------------|---------------|-------|-----------------|
| Bluetooth - LE for 1Mbps | 100.00 | - | 0.00 |
| Bluetooth - LE for 2Mbps | 100.00 | - | 0.00 |



------THE END------