

| | TEST REPOR | RT | | | |
|----------------------------------|---|-----------------------|------------|--|--|
| FCC ID: | 2BE6N-L200S | | | | |
| Test Report No:: | TCT240918E009 | | | | |
| Date of issue:: | Oct. 15, 2024 | | | | |
| Testing laboratory: | SHENZHEN TONGCE TESTII | NG LAB | | | |
| Testing location/ address: | 2101 & 2201, Zhenchang Fact Subdistrict, Bao'an District, Sh People's Republic of China | | | | |
| Applicant's name:: | GIRAFIT INC | | | | |
| Address:: | 21642 GOLDEN POPPY COU United States | JRT, WALNUT, Californ | nia 91749, | | |
| Manufacturer's name: | Dongguan Sharetronic Data T | echnology Co., Ltd. | \ | | |
| Address:: | Yinhe Industrial Area, Qingxi T Province, P.R.China | Town, Dongguan City, | Guangdong | | |
| Standard(s):: | FCC CFR Title 47 Part 15 Subpart C Section 15.247 FCC KDB 558074 D01 15.247 Meas Guidance v05r02 ANSI C63.10:2013 | | | | |
| Product Name:: | L200S Light Bulb Cam | | | | |
| Trade Mark:: | N/A | | | | |
| Model/Type reference: | GRF-L200SW, GRF-L200S, L | 200S, L200SW | , | | |
| Rating(s):: | AC 120V/60Hz | | | | |
| Date of receipt of test item | Sep. 18, 2024 | | (6) | | |
| Date (s) of performance of test: | Sep. 18, 2024 ~ Oct. 15, 2024 | |) | | |
| Tested by (+signature): | Aaron MO | Apron / Gogce | | | |
| Check by (+signature): | Beryl ZHAO | Boyl 2 TCT | SILLE | | |
| Approved by (+signature): | Tomsin | Joms 18 8 | | | |

General disclaimer:

This report shall not be reproduced except in full, without the written approval of SHENZHEN TONGCE TESTING LAB. This document may be altered or revised by SHENZHEN TONGCE TESTING LAB personnel only, and shall be noted in the revision section of the document. The test results in the report only apply to the tested sample.





Table of Contents

| 1. General Product Information | ,, |
|---|-------------|
| 1.1. EUT description | 3 |
| 1.2. Model(s) list | |
| 1.3. Operation Frequency | 4 |
| 2. Test Result Summary | 5 |
| 3. General Information | 6 |
| 3.1. Test environment and mode | |
| 3.2. Description of Support Units | 7 |
| 4. Facilities and Accreditations | |
| 4.1. Facilities | 8 |
| 4.2. Location | 8 |
| 4.3. Measurement Uncertainty | |
| 5. Test Results and Measurement Data | <u>(0)</u> |
| 5.1. Antenna requirement | |
| 5.2. Conducted Emission | |
| 5.3. Maximum Conducted (Average) Output Power | 14 |
| 5.4. Emission Bandwidth | |
| 5.5. Power Spectral Density | |
| 5.6. Conducted Band Edge and Spurious Emission Me | asurement17 |
| 5.7. Radiated Spurious Emission Measurement | 19 |
| Appendix A: Test Result of Conducted Test | |
| Appendix B: Photographs of Test Setup | |
| Appendix C: Photographs of EUT | |



1. General Product Information

1.1. EUT description

| Product Name: | L200S Light Bulb Cam | | | |
|------------------------|---|-----|--|--|
| Model/Type reference: | GRF-L200SW | | | |
| Sample Number: | TCT240918E008-0101 | | | |
| Operation Frequency: | 2412MHz~2462MHz (802.11b/802.11g/802.11n(HT20)/802.11ax(HE20)) 2422MHz~2452MHz (802.11n(HT40)/802.11ax(HE40)) | | | |
| Channel Separation: | 5MHz (C) |) | | |
| Number of Channel: | 11 for 802.11b/802.11g/802.11n(HT20)/802.11ax(HE20) 7 for 802.11n(HT40)/802.11ax(HE40) | | | |
| Modulation Technology: | 802.11b: Direct Sequence Spread Spectrum (DSSS) 802.11g/802.11n/802.11ax: Orthogonal Frequency Division Multiplexing(OFDM) | | | |
| Data speed: | 802.11b: 1Mbps, 2Mbps, 5.5Mbps, 11Mbps 802.11g: 6Mbps, 9Mbps, 12Mbps, 18Mbps, 24Mbps, 36Mbp 48Mbps, 54Mbps 802.11n/ax: Up to 150Mbps | is, | | |
| Antenna Type: | FPC Antenna | | | |
| Antenna Gain: | 1.69dBi | | | |
| Rating(s): | AC 120V/60Hz | | | |
| N (+1) () () () | | | | |

Note: The antenna gain listed in this report is provided by applicant, and the test laboratory is not responsible for this parameter.

1.2. Model(s) list

| No. | Model No. | Tested with |
|--------------|--------------------------|-------------|
| 1 | GRF-L200SW | \boxtimes |
| Other models | GRF-L200S, L200S, L200SW | |

Note: GRF-L200SW is tested model, other models are derivative models. The models are identical in circuit and PCB layout, only different on the model names and color. So the test data of GRF-L200SW can represent the remaining models.

Page 3 of 107



1.3. Operation Frequency

For 802.11b/g/n(HT20)/ax(HE20)

| - | <u> </u> | - 101 | 7, 30, 11, 1 == | . • / | | | | |
|---|----------|--|-----------------|-----------|---------|-----------|---------|-----------|
| | Channel | Frequency | Channel | Frequency | Channel | Frequency | Channel | Frequency |
| | 1 | 2412MHz | 4 | 2427MHz | 7 | 2442MHz | 10 | 2457MHz |
| | 2 | 2417MHz | 5 | 2432MHz | 8 | 2447MHz | 11 | 2462MHz |
| | 3 | 2422MHz | 6 | 2437MHz | 9 | 2452MHz | | |

For 802.11n(HT40)/ax(HE40)

| Channel | Frequency | Channel | Frequency | Channel | Frequency | Channel | Frequency |
|---------|-----------|---------|-----------|---------|-----------|------------|-----------|
| | | 4 | 2427MHz | 7 | 2442MHz | | |
| (()) | (| 5 | 2432MHz | 8 | 2447MHz | <u>(,)</u> | (¿G |
| 3 | 2422MHz | 6 | 2437MHz | 9 | 2452MHz | | |

Note:

In section 15.31(m), regards to the operating frequency range over 10 MHz, the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:

802.11b/802.11g/802.11n(HT20)/802.11ax(HE20)

| Channel | Frequency |
|---------------------|-----------|
| The lowest channel | 2412MHz |
| The middle channel | 2437MHz |
| The Highest channel | 2462MHz |

802.11n(HT40)/802.11ax(HE40)

| 111(11110), 1111(11111) | | | | | |
|-------------------------|-----------|--|--|--|--|
| Channel | Frequency | | | | |
| The lowest channel | 2422MHz | | | | |
| The middle channel | 2437MHz | | | | |
| The Highest channel | 2452MHz | | | | |



2. Test Result Summary

| Requirement | CFR 47 Section | Result |
|----------------------------------|---------------------|--------|
| Antenna requirement | §15.203/§15.247 (c) | PASS |
| AC Power Line Conducted Emission | §15.207 | PASS |
| Conducted Output Power | §15.247 (b)(3) | PASS |
| 6dB Emission Bandwidth | §15.247 (a)(2) | PASS |
| Power Spectral Density | §15.247 (e) | PASS |
| Band Edge | §15.247(d) | PASS |
| Spurious Emission | §15.205/§15.209 | PASS |

Note:

- 1. PASS: Test item meets the requirement.
- 2. Fail: Test item does not meet the requirement.
- 3. N/A: Test case does not apply to the test object.
- 4. The test result judgment is decided by the limit of test standard.





TESTING CENTRE TECHNOLOGY Report No.: TCT240918E009

3. General Information

3.1. Test environment and mode

| Operating Environment: | | | | | |
|--|--------------------|-------------------|--|--|--|
| Condition | Conducted Emission | Radiated Emission | | | |
| Temperature: | 22.8 °C | 22.2 °C | | | |
| Humidity: | 49 % RH | 50 % RH | | | |
| Atmospheric Pressure: | 1010 mbar | 1010 mbar | | | |
| Test Software: | | | | | |
| Software Information: | Command | | | | |
| Power Level: | Power Level: 14 | | | | |
| Test Mode: | | | | | |
| Engineering mode: Keep the EUT in continuous transmitting by select channel and modulations with Fully-charged battery | | | | | |

The sample was placed 0.8m & 1.5m for the measurement below & above 1GHz above the ground plane of 3m chamber. Measurements in both horizontal and vertical polarities were performed. During the test, each emission was maximized by: having the EUT continuously working, investigated all operating modes, rotated about all 3 axis (X, Y & Z) and considered typical configuration to obtain worst position, manipulating interconnecting cables, rotating the turntable, varying antenna height from 1m to 4m in both horizontal and vertical polarizations. The emissions worst-case (Z axis) are shown in Test Results of the following pages.

We have verified the construction and function in typical operation. All the test modes were carried out with the EUT in transmitting operation, which was shown in this test report and defined as follows:

Per-scan all kind of data rate in lowest channel, and found the follow list which it was worst case.

| Mode | Data rate |
|----------------|-----------|
| 802.11b | 1Mbps |
| 802.11g | 6Mbps |
| 802.11n(HT20) | 6.5Mbps |
| 802.11n(HT40) | 13.5Mbps |
| 802.11ax(HE20) | 6.5Mbps |
| 802.11ax(HE40) | 13.5Mbps |



KO,

Report No.: TCT240918E009

3.2. Description of Support Units

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

| Equipment | Model No. | Serial No. | FCC ID | Trade Name |
|-----------|-----------|------------|--------|------------|
| 1 | 1 | 1 | 1 | 1 |

Note:

- 1. All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
- 2. Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.
- 3. For conducted measurements (Output Power, 6dB Emission Bandwidth, Power Spectral Density, Spurious Emissions), the antenna of EUT is connected to the test equipment via temporary antenna connector, the antenna connector is soldered on the antenna port of EUT, and the temporary antenna connector is listed in the Test Instruments.



Page 7 of 107



4. Facilities and Accreditations

4.1. Facilities

The test facility is recognized, certified, or accredited by the following organizations:

• FCC - Registration No.: 645098

SHENZHEN TONGCE TESTING LAB

Designation Number: CN1205

The testing lab has been registered and fully described in a report with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files.

• IC - Registration No.: 10668A

SHENZHEN TONGCE TESTING LAB

CAB identifier: CN0031

The testing lab has been registered by Innovation, Science and Economic Development Canada for radio equipment testing.

4.2. Location

SHENZHEN TONGCE TESTING LAB

Address: 2101 & 2201, Zhenchang Factory, Renshan Industrial Zone, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, 518103, People's Republic of China

TEL: +86-755-27673339

4.3. Measurement Uncertainty

The reported uncertainty of measurement $y \pm U$, where expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of k=2, providing a level of confidence of approximately 95 %.

| No. | Item | MU |
|-----|---|-----------|
| 1 | Conducted Emission | ± 3.10 dB |
| 2 | RF power, conducted | ± 0.12 dB |
| 3 | Spurious emissions, conducted | ± 0.11 dB |
| 4 | All emissions, radiated(<1 GHz) | ± 4.56 dB |
| 5 | All emissions, radiated(1 GHz - 18 GHz) | ± 4.22 dB |
| 6 | All emissions, radiated(18 GHz- 40 GHz) | ± 4.36 dB |



5. Test Results and Measurement Data

5.1. Antenna requirement

Standard requirement: FCC Part15 C Section 15.203 /247(c)

15.203 requirement:

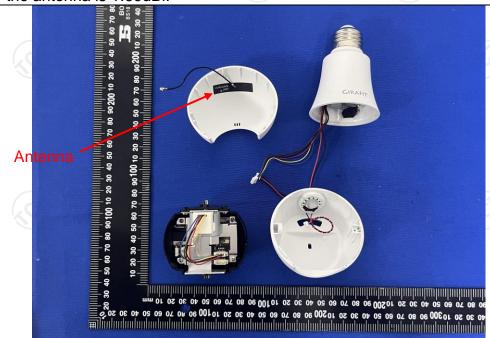
An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

15.247(c) (1)(i) requirement:

(i) Systems operating in the 2400-2483.5 MHz band that is used exclusively for fixed. Point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6dBi.

E.U.T Antenna:

The WIFI antenna is FPC antenna which permanently attached, and the best case gain of the antenna is 1.69dBi.



Page 9 of 107



TESTING CENTRE TECHNOLOGY Report No.: TCT240918E009

5.2. Conducted Emission

5.2.1. Test Specification

| Test Requirement: | FCC Part15 C Section | 15.207 | (c | | | | |
|-------------------|--|--|--|--|--|--|--|
| Test Method: | ANSI C63.10:2013 | | | | | | |
| Frequency Range: | 150 kHz to 30 MHz | | | | | | |
| Receiver setup: | RBW=9 kHz, VBW=30 | RBW=9 kHz, VBW=30 kHz, Sweep time=auto | | | | | |
| Limits: | Frequency range (MHz) Limit (dBuV) Quasi-peak Average 0.15-0.5 66 to 56* 56 to 46* 0.5-5 56 46 5-30 60 50 | | | | | | |
| | Reference | Plane | | | | | |
| Test Setup: | Test table/Insulation plane Remark: E.U.T. Equipment Under Test LISN: Line Impedence Stabilization Net Test table height=0.8m | Filter EMI Receiver | AC power | | | | |
| Test Mode: | Transmitting Mode | | | | | | |
| Test Procedure: | The E.U.T is connectine impedance state provides a 50ohm/5 measuring equipmer The peripheral device power through a LI coupling impedance refer to the block photographs). Both sides of A.C. conducted interference emission, the relative the interface cables ANSI C63.10:2013 of | cilization network iouH coupling im nt. These are also connects with 500hm term diagram of the line are checkence. In order to fire positions of equals must be change. | ected to the main a 500hm/50uH nination. (Please test setup and of the maximum and the maximum ipment and all of ed according to | | | | |
| Test Result: | PASS | (6) | 160 | | | | |



5.2.2. Test Instruments

| Conducted Emission Shielding Room Test Site (843) | | | | | | | |
|--|-------------|-----------|---------|---------------|--|--|--|
| Equipment Manufacturer Model Serial Number Calibration | | | | | | | |
| EMI Test Receiver | R&S | ESCI3 | 100898 | Jun. 26, 2025 | | | |
| LISN | Schwarzbeck | NSLK 8126 | 8126453 | Jan. 31, 2025 | | | |
| Attenuator | N/A | 10dB | 164080 | Jun. 26, 2025 | | | |
| Line-5 | TCT | CE-05 | / | Jun. 26, 2025 | | | |
| EMI Test Software | EZ_EMC | EMEC-3A1 | 1.1.4.2 | / (6 | | | |

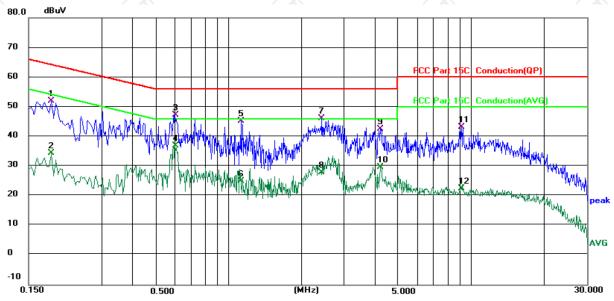




5.2.3. Test data

Please refer to following diagram for individual

Conducted Emission on Line Terminal of the power line (150 kHz to 30MHz)



Site 844 Shielding Room

Phase: L1

Temperature: 22.8 (℃)

Humidity: 49 %

Limit: FCC Part 15C Conduction(QP)

Power: AC 120 V/60 Hz

| No. | Mk. | Freq. | Reading Level | Correct Factor | Measure- ment | Limit | Over | | |
|-----|-----|--------|------------------|-------------------|------------------|-------|--------|----------|---------|
| | | MHz | dBu∨ | dB | dBu∨ | dBu∨ | dB | Detector | Comment |
| 1 | | 0.1859 | 42.33 | 9.66 | 51.99 | 64.22 | -12.23 | QP | |
| 2 | | 0.1859 | 24.74 | 9.66 | 34.40 | 54.22 | -19.82 | AVG | |
| 3 | * | 0.6019 | 36.96 | 10.28 | 47.24 | 56.00 | -8.76 | QP | |
| 4 | | 0.6019 | 26.54 | 10.28 | 36.82 | 46.00 | -9.18 | AVG | |
| 5 | | 1.1259 | 35.50 | 9.75 | 45.25 | 56.00 | -10.75 | QP | |
| 6 | | 1.1259 | 15.13 | 9.75 | 24.88 | 46.00 | -21.12 | AVG | |
| 7 | | 2.4300 | 36.28 | 9.90 | 46.18 | 56.00 | -9.82 | QP | |
| 8 | | 2.4300 | 18.04 | 9.90 | 27.94 | 46.00 | -18.06 | AVG | |
| 9 | | 4.2419 | 32.54 | 10.11 | 42.65 | 56.00 | -13.35 | QP | |
| 10 | | 4.2419 | 19.71 | 10.11 | 29.82 | 46.00 | -16.18 | AVG | |
| 11 | | 9.1219 | 32.96 | 10.31 | 43.27 | 60.00 | -16.73 | QP | |
| 12 | | 9.1219 | 12.11 | 10.31 | 22.42 | 50.00 | -27.58 | AVG | |

Note:

Freq. = Emission frequency in MHz

Reading level $(dB\mu V)$ = Receiver reading

Corr. Factor (dB) = LISN factor + Cable loss

Measurement $(dB\mu V)$ = Reading level $(dB\mu V)$ + Corr. Factor (dB)

Limit (dBµV) = Limit stated in standard

 $Margin (dB) = Measurement (dB\mu V) - Limits (dB\mu V)$

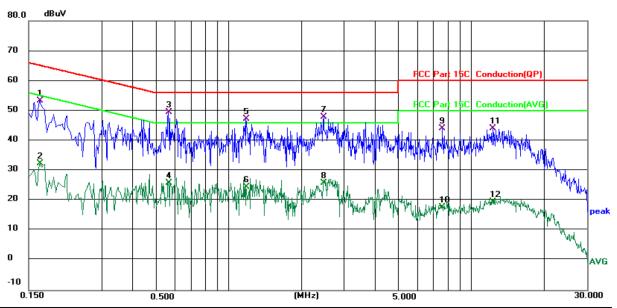
Q.P. =Quasi-Peak

AVG =average

 $^{^{\}star}$ is meaning the worst frequency has been tested in the frequency range 150 kHz to 30MHz.



Conducted Emission on Neutral Terminal of the power line (150 kHz to 30MHz)



Site 844 Shielding Room Temperature: 22.8 (℃) Humidity: 49 % Phase: N

| imit: FCC Part 1 | 5C Conduction(QP) | |
|------------------|-------------------|--|
|------------------|-------------------|--|

| Limit: F | Limit: FCC Part 15C Conduction(QP) | | | | Power: AC 120 V/60 Hz | | V/60 Hz | |
|----------|------------------------------------|------------------|-------------------|------------------|-----------------------|--------|----------|---------|
| No. Mi | c. Freq. | Reading Level | Correct Factor | Measure- ment | Limit | Over | | |
| | MHz | dBu∨ | dB | dBu∨ | dBu∀ | dB | Detector | Comment |
| 1 | 0.1660 | 43.79 | 9.64 | 53.43 | 65.16 | -11.73 | QP | |
| 2 | 0.1660 | 22.73 | 9.64 | 32.37 | 55.16 | -22.79 | AVG | |
| 3 * | 0.5658 | 39.37 | 10.22 | 49.59 | 56.00 | -6.41 | QP | |
| 4 | 0.5658 | 15.74 | 10.22 | 25.96 | 46.00 | -20.04 | AVG | |
| 5 | 1.1818 | 37.64 | 9.71 | 47.35 | 56.00 | -8.65 | QP | |
| 6 | 1.1818 | 14.86 | 9.71 | 24.57 | 46.00 | -21.43 | AVG | |
| 7 | 2.4620 | 38.07 | 9.84 | 47.91 | 56.00 | -8.09 | QP | |
| 8 | 2.4620 | 15.95 | 9.84 | 25.79 | 46.00 | -20.21 | AVG | |
| 9 | 7.6100 | 33.96 | 10.24 | 44.20 | 60.00 | -15.80 | QP | |
| 10 | 7.6100 | 7.45 | 10.24 | 17.69 | 50.00 | -32.31 | AVG | |
| 11 | 12.2780 | 33.81 | 10.27 | 44.08 | 60.00 | -15.92 | QP | |
| 12 | 12.2780 | 9.30 | 10.27 | 19.57 | 50.00 | -30.43 | AVG | |

Note 1:

Freq. = Emission frequency in MHz

Reading level $(dB\mu V)$ = Receiver reading

Corr. Factor (dB) = LISN factor + Cable loss

Measurement ($dB\mu V$) = Reading level ($dB\mu V$) + Corr. Factor (dB)

Limit (dBµV) = Limit stated in standard

 $Margin (dB) = Measurement (dB\mu V) - Limits (dB\mu V)$

Q.P. =Quasi-Peak

AVG =average

* is meaning the worst frequency has been tested in the frequency range 150 kHz to 30MHz.

Note 2: Measurements were conducted in all three channels (high, middle, low) and all modulation(802.11b, 802.11g, 802.11n(HT20), 802.11n(HT40), 802.11ax(HE20), 802.11ax(HE40)), and the worst case Mode (Lowest channel and 802.11b) was submitted only.



5.3. Maximum Conducted (Average) Output Power

5.3.1. Test Specification

| Test Requirement: | FCC Part15 C Section 15.247 (b)(3) |
|-------------------|--|
| Test Method: | KDB 558074 D01 v05r02 |
| Limit: | 30dBm |
| Test Setup: | |
| | Spectrum Analyzer EUT |
| Test Mode: | Transmitting mode with modulation |
| Test Procedure: | The RF output of EUT was connected to the spectrum analyzer by RF cable. The path loss was compensated to the results for each measurement. Set to the maximum power setting and enable the EUT transmit continuously. Measure the conducted output power and record the results in the test report. |
| Test Result: | PASS |

5.3.2. Test Instruments

| Name | Manufacturer | Model No. | Serial Number | Calibration Due |
|----------------------|--------------|-----------|---------------|------------------------|
| Spectrum Analyzer | Agilent | N9020A | MY49100619 | Jun. 26, 2025 |
| Combiner Box | Ascentest | AT890-RFB | 1 | 1 |

Page 14 of 107



5.4. Emission Bandwidth

5.4.1. Test Specification

| Test Requirement: | FCC Part15 C Section 15.247 (a)(2) | | | | |
|-------------------|--|--|--|--|--|
| Test Method: | KDB 558074 D01 v05r02 | | | | |
| Limit: | >500kHz | | | | |
| Test Setup: | Spectrum Analyzer EUT | | | | |
| Test Mode: | Transmitting mode with modulation | | | | |
| Test Procedure: | Set to the maximum power setting and enable the EUT 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. Measure and record the results in the test report. | | | | |
| Test Result: | PASS | | | | |

5.4.2. Test Instruments

| Name | Manufacturer | Model No. | Serial Number | Calibration Due |
|----------------------|--------------|-----------|---------------|------------------------|
| Spectrum Analyzer | Agilent | N9020A | MY49100619 | Jun. 26, 2025 |
| Combiner Box | Ascentest | AT890-RFB | | (6) |



Page 15 of 107



5.5. Power Spectral Density

5.5.1. Test Specification

| Test Requirement: | FCC Part15 C Section 15.247 (e) |
|-------------------|---|
| Test Method: | KDB 558074 |
| Limit: | The peak power spectral density shall not be greater than 8dBm in any 3kHz band at any time interval of continuous transmission. |
| Test Setup: | Spectrum Analyzer EUT |
| Test Mode: | Transmitting mode with modulation |
| Test Procedure: | The RF output of EUT was connected to the spectrum analyzer by RF cable. The path loss was compensated to the results for each measurement. Set to the maximum power setting and enable the EUT transmit continuously. Make the measurement with the spectrum analyzer's resolution bandwidth (RBW): 3 kHz ≤ RBW ≤ 100 kHz. Video bandwidth VBW ≥ 3 x RBW. Set the span to at least 1.5 times the OBW. Detector = RMS, Sweep time = auto couple. Employ trace averaging (RMS) mode over a minimum of 100 traces. Use the peak marker function to determine the maximum power level. Measure and record the results in the test report. |
| Test Result: | PASS |

5.5.2. Test Instruments

| 5.5.2. Test Instrum | ents | | | |
|----------------------|--------------|-----------|---------------|------------------------|
| Name | Manufacturer | Model No. | Serial Number | Calibration Due |
| Spectrum Analyzer | Agilent | N9020A | MY49100619 | Jun. 26, 2025 |
| Combiner Box | Ascentest | AT890-RFB | 1 | 1 |

Page 16 of 107





5.6. Conducted Band Edge and Spurious Emission Measurement

5.6.1. Test Specification

| Test Requirement: | FCC Part15 C Section 15.247 (d) |
|-------------------|---|
| Test Method: | KDB558074 |
| Limit: | In any 100 kHz bandwidth outside of the authorized frequency band, the emissions which fall in the non-restricted bands shall be attenuated at least 20 dB / 30dB relative to the maximum PSD level in 100 kHz by RF conducted measurement and radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a). |
| Test Setup: | Spectrum Analyzer EUT |
| Test Mode: | Transmitting mode with modulation |
| Test Procedure: | The RF output of EUT was connected to the spectrum analyzer by RF cable. The path loss was compensated to the results for each measurement. Set to the maximum power setting and enable the EUT transmit continuously. 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 per 15.247(d). Measure and record the results in the test report. The RF fundamental frequency should be excluded against the limit line in the operating frequency band. |
| Test Result: | PASS |

Page 17 of 107



5.6.2. Test Instruments

| Name | Manufacturer | Model No. | Serial Number | Calibration Due |
|----------------------|--------------|-----------|---------------|------------------------|
| Spectrum Analyzer | Agilent | N9020A | MY49100619 | Jun. 26, 2025 |
| Combiner Box | Ascentest | AT890-RFB | 1 | 1 |



Page 18 of 107

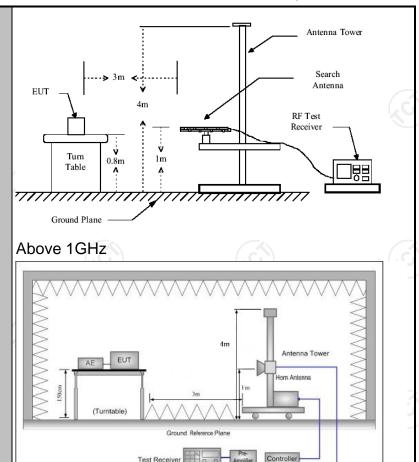


5.7. Radiated Spurious Emission Measurement

5.7.1. Test Specification

| Test Requirement: | FCC Part15 | C Section | n 15.209 | (C)) | | ζć | | | | |
|-----------------------|------------------|----------------------------------|-----------------------------|----------------------------|----------|-------------------------|--|--|--|--|
| Test Method: | ANSI C63.10 | 0:2013 | | | | | | | | |
| Frequency Range: | 9 kHz to 25 | GHz | | | | / - | | | | |
| Measurement Distance: | 3 m | (| (0) | | ((C | | | | | |
| Antenna Polarization: | Horizontal & | Vertical | | | | | | | | |
| Operation mode: | Transmitting | ransmitting mode with modulation | | | | | | | | |
| | Frequency | Detector | RBW | VBW | | Remark | | | | |
| | 9kHz- 150kHz | Quasi-pea | k 200Hz | 1kHz | Q | uasi-peak Value | | | | |
| Receiver Setup: | 150kHz- 30MHz | Quasi-pea | k 9kHz | 30kHz | Q | uasi-peak Value | | | | |
| | 30MHz-1GHz | Quasi-pea | k 120KHz | 300KHz | Q | uasi-peak Value | | | | |
| | Above 1GHz | Peak | 1MHz | 3MHz | Р | eak Value | | | | |
| | Above 10112 | Peak | 1MHz | 10Hz | Ave | erage Value | | | | |
| | Frequer | псу | Field Str | • | _ | asurement ince (meters) | | | | |
| | 0.009-0. | 490 | 2400/F(| | 300 | | | | | |
| | 0.490-1. | 705 | 24000/F | (KHz) | 30 | | | | | |
| | 1.705-3 | 30 | 30 | | 30 | | | | | |
| | 30-88 | - | 100 | | | 3 | | | | |
| 1 1 14 | 88-21 | | 150 | | | 3 | | | | |
| Limit: | 216-96 | A \ | 200 | | | 3 | | | | |
| | Above 9 | 960 | 500 | | | 3 | | | | |
| | Frequency | | d Strength ovolts/meter) | Measure Distan (mete | се | Detector | | | | |
| | Above 1GH | 7 | 500 | 3 | | Average | | | | |
| | Above Tollis | | 5000 | 3 | | Peak | | | | |
| Test setup: | For radiated | emission | | Compu | oler C | | | | | |
| | 30MHz to 10 | | d Plane | | Receiver | | | | | |





Test Procedure:

1. For the radiated emission test below 1GHz: The EUT was placed on a turntable with 0.8 meter above ground. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower. The EUT was 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. For the radiated emission test above 1GHz: Place the measurement antenna on a turntable with 1.5 meter above ground, which is away from each area of the EUT determined to be a source of emissions at the specified measurement distance. while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response. The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final measurement antenna elevation shall be that which



| TESTING CENTRE TECHNOLOGY | Report No.: TCT240918E00 |
|---------------------------|--|
| | maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane. 3. Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level 4. For measurement below 1GHz, If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission |
| | level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported. 5. Use the following spectrum analyzer settings: Span shall wide enough to fully capture the emission being measured; Set RBW=120 kHz for f < 1 GHz; VBW ≥ RBW; Sweep = auto; Detector function = peak; Trace = max hold; Set RBW = 1 MHz, VBW= 3MHz for f >1 GHz for |
| | peak measurement. For average measurement: VBW = 10 Hz, when duty cycle is no less than 98 percent. VBW ≥ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation. |
| Test results: | PASS |





5.7.2. Test Instruments

| | Radiated Em | nission Test Site | e (966) | |
|-------------------|--------------|-------------------|--------------------|-----------------|
| Name of Equipment | Manufacturer | Model | Serial Number | Calibration Due |
| EMI Test Receiver | R&S | ESCI7 | 100529 | Jan. 31, 2025 |
| Spectrum Analyzer | R&S | FSQ40 | 200061 | Jun. 26, 2025 |
| Pre-amplifier | SKET | LNPA_0118G- 45 | SK2021012 102 | Jan. 31, 2025 |
| Pre-amplifier | SKET | LNPA_1840G- 50 | SK2021092 03500 | Jan. 31, 2025 |
| Pre-amplifier | HP | 8447D | 2727A05017 | Jun. 26, 2025 |
| Loop antenna | Schwarzbeck | FMZB1519B | 00191 | Jun. 26, 2025 |
| Broadband Antenna | Schwarzbeck | VULB9163 | 340 | Jun. 28, 2025 |
| Horn Antenna | Schwarzbeck | BBHA 9120D | 631 | Jun. 28, 2025 |
| Horn Antenna | Schwarzbeck | BBHA 9170 | 00956 | Feb. 02, 2025 |
| Coaxial cable | SKET | RE-03-D | / | Jun. 26, 2025 |
| Coaxial cable | SKET | RE-03-M | 1 | Jun. 26, 2025 |
| Coaxial cable | SKET | RE-03-L | 1 | Jun. 26, 2025 |
| Coaxial cable | SKET | RE-04-D | 1 | Jun. 26, 2025 |
| Coaxial cable | SKET | RE-04-M | (6) | Jun. 26, 2025 |
| Coaxial cable | SKET | RE-04-L | 1 | Jun. 26, 2025 |
| Antenna Mast | Keleto | RE-AM | 1 | |
| EMI Test Software | EZ_EMC | FA-03A2 RE+ | 1.1.4.2 | |

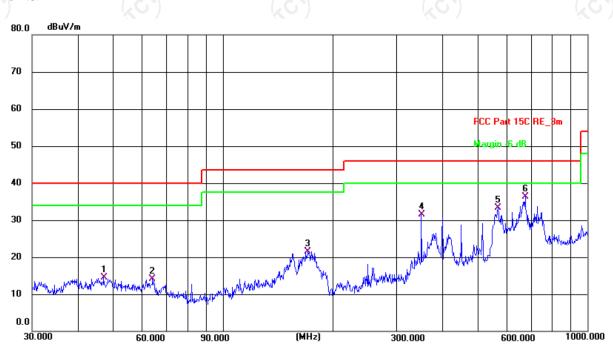




5.7.3. Test Data

Please refer to following diagram for individual **Below 1GHz**

Horizontal:



Temperature: 22.2(C) Site 3m Anechoic Chamber2 Humidity: 50 % Polarization: Horizontal

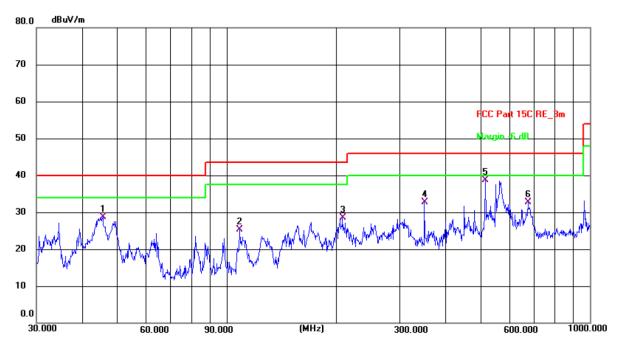
Limit: FCC Part 15C RE_3m

Power: AC 120 V/ 60 Hz Frequency Reading Factor Level Limit Margin P/F Detector Remark No. (MHz) (dBuV) (dBuV/m) (dBuV/m) (dB/m) (dB) 1 47.1598 33.09 -18.65 14.44 40.00 -25.56 QP Р 2 64.2074 33.36 -19.33 14.03 40.00 -25.97 QP Ρ 3 171.3925 39.45 -18.01 21.44 43.50 -22.06 QP Ρ 4 350.4767 48.14 -16.71 31.43 46.00 -14.57 QΡ Ρ 5 568.6126 44.25 -10.89 33.36 46.00 -12.64 QP Ρ 675.2080 44.52 -8.25 36.27 46.00 -9.73 QP Ρ





Vertical:



Site 3m Anechoic Chamber2 Polarization: Vertical Temperature: 22.2(C) Humidity: 50 %

Limit: FCC Part 15C RE_3m

Power: AC 120 V/ 60 Hz

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F | Remark |
|-----|--------------------|-------------------|------------------|-------------------|-------------------|----------------|----------|-----|--------|
| 1 | 45.6947 | 47.26 | -18.64 | 28.62 | 40.00 | -11.38 | QP | Р | |
| 2 | 108.6470 | 45.85 | -20.60 | 25.25 | 43.50 | -18.25 | QP | Р | |
| 3 | 208.5801 | 49.59 | -21.05 | 28.54 | 43.50 | -14.96 | QP | Р | |
| 4 | 350.4767 | 49.45 | -16.71 | 32.74 | 46.00 | -13.26 | QP | Р | |
| 5 * | 515.4373 | 50.76 | -11.97 | 38.79 | 46.00 | -7.21 | QP | Р | |
| 6 | 675.2080 | 40.98 | -8.25 | 32.73 | 46.00 | -13.27 | QP | Р | |

Note: 1. The low frequency, which started from 9KHz~30MHz, was pre-scanned and the result which was 20dB lower than the limit line per 15.31(o) was not reported

- 2. Measurements were conducted in all three channels (high, middle, low) and all modulation(802.11b, 802.11g, 802.11n(HT20), 802.11n(HT40), 802.11ax(HE20), 802.11ax(HE40)), and the worst case Mode (Lowest channel and 802.11b) was submitted only.
- 3. Freq. = Emission frequency in MHz

Measurement $(dB\mu V/m) = Reading level (dB\mu V) + Corr. Factor (dB)$

Correction Factor= Antenna Factor + Cable loss - Pre-amplifier

Limit (dBµV/m) = Limit stated in standard

 $Margin (dB) = Measurement (dB\mu V/m) - Limits (dB\mu V/m)$

* is meaning the worst frequency has been tested in the test frequency range.

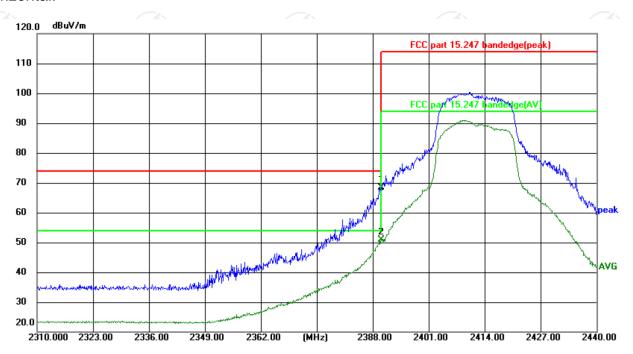
Page 24 of 107



Test Result of Radiated Spurious at Band edges

Lowest channel 2422:

Horizontal:



Site: 3m Anechoic Chamber Polarization: Horizontal Temperature: 24(°C) Humidity: 52 %

Limit: FCC part 15.247 bandedge(peak)

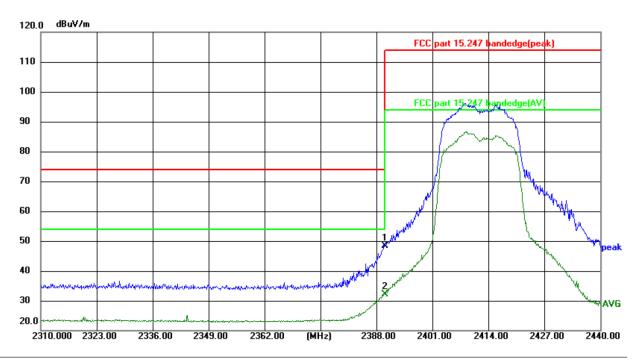
Power: AC 120 V/60 Hz

| | • | | · . , | | | | | | |
|-----|--------------------|-------------------|--------|-------------------|-------|----------------|----------|-----|--------|
| No. | Frequency (MHz) | Reading (dBuV) | | Level (dBuV/m) | | Margin (dB) | Detector | P/F | Remark |
| 1 | 2390.000 | 85.46 | -17.10 | 68.36 | 74.00 | -5.64 | peak | Р | |
| 2 * | 2390.000 | 67.90 | -17.10 | 50.80 | 54.00 | -3.20 | AVG | Р | |





Vertical:



Site: 3m Anechoic Chamber Polarization: Vertical Temperature: 24(°C) Humidity: 52 %

Limit: FCC part 15.247 bandedge(peak)

Power: AC 120 V/60 Hz

| No. | Frequency (MHz) | Reading (dBuV) | | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F | Remark |
|-----|--------------------|-------------------|--------|-------------------|-------------------|----------------|----------|-----|--------|
| 1 | 2390.000 | 65.53 | -17.10 | 48.43 | 74.00 | -25.57 | peak | Р | |
| 2 * | 2390.000 | 49.20 | -17.10 | 32.10 | 54.00 | -21.90 | AVG | Р | |

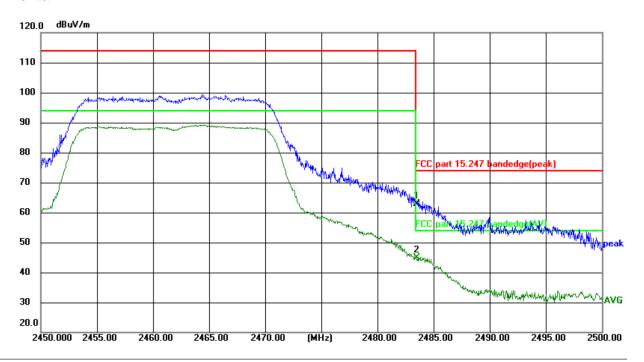
Note: Measurements were conducted in all two channels (high, low) and all modulation (802.11b, 802.11g, 802.11n(HT20), 802.11n(HT40), 802.11ax(HE20), 802.11ax(HE40)), and the worst case Mode 802.11ax(HE40) was submitted only.





Highest channel 2452:

Horizontal:

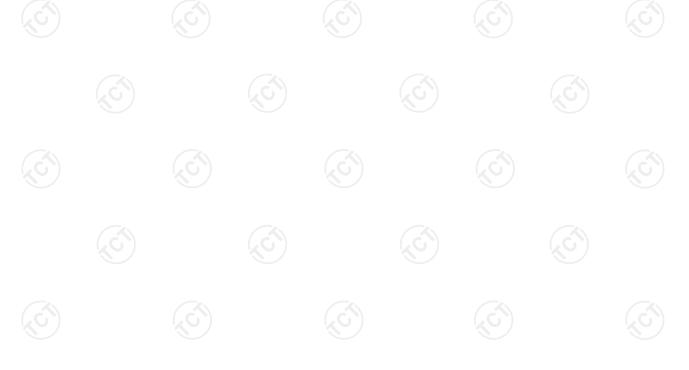


Site: 3m Anechoic Chamber Polarization: Horizontal Temperature: 24(°C) Humidity: 52 %

Limit: FCC part 15.247 bandedge(peak)

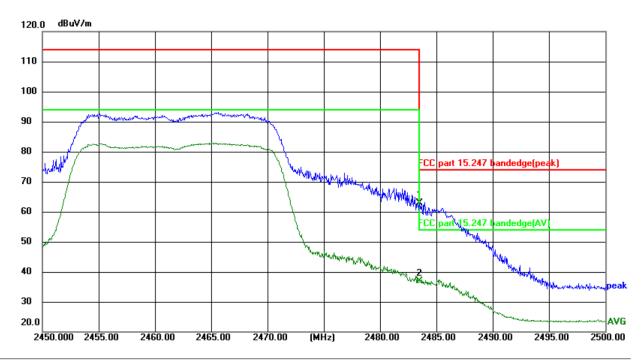
Power: AC 120 V/60 Hz

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F | Remark |
|-----|--------------------|-------------------|------------------|-------------------|-------------------|----------------|----------|-----|--------|
| 1 | 2483.500 | 79.68 | -16.88 | 62.80 | 74.00 | -11.20 | peak | Р | |
| 2 * | 2483.500 | 61.85 | -16.88 | 44.97 | 54.00 | -9.03 | AVG | Р | |





Vertical:



Site: 3m Anechoic Chamber Polarization: Vertical Temperature: 24(°C) Humidity: 52 %

Limit: FCC part 15.247 bandedge(peak)

Power: AC 120 V/60 Hz

| İ | No. | Frequency (MHz) | Reading (dBuV) | | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F | Remark |
|---|-----|--------------------|----------------|--------|-------------------|-------------------|----------------|----------|-----|--------|
| Ì | 1 * | 2483.500 | 79.67 | -16.88 | 62.79 | 74.00 | -11.21 | peak | Р | |
| | 2 | 2483.500 | 53.77 | -16.88 | 36.89 | 54.00 | -17.11 | AVG | Р | |

Note:

- 1. Peak Final Emission Level=Peak Reading + Correction Factor;
- 2. Correction Factor= Antenna Factor + Cable loss Pre-amplifier
- 3. Measurements were conducted in all two channels (high, low) and all modulation (802.11b, 802.11g, 802.11n(HT20), 802.11n(HT40), 802.11ax(HE20), 802.11ax(HE40)), and the worst case Mode 802.11ax(HE40) was submitted only.





Above 1GHz Modulation Type: 802.11b

| | Low channel: 2412 MHz | | | | | | | | | | | | |
|--------------------|-----------------------|---------------------------|----------------------|--------------------------------|------------------------------|----------------|------------------------|----------------------|----------------|--|--|--|--|
| Frequency (MHz) | Ant. Pol. H/V | Peak reading (dBµV) | AV reading (dBuV) | Correction Factor (dB/m) | Emission Peak (dBµV/m) | AV (dBµV/m) | Peak limit (dBµV/m) | AV limit (dBµV/m) | Margin (dB) | | | | |
| 4824 | Н | 54.59 | | -9.48 | 45.11 | | 74 | 54 | -8.89 | | | | |
| 7236 | Н | 45.61 | | -1.34 | 44.27 | | 74 | 54 | -9.73 | | | | |
| | Н | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| 4824 | V | 54.68 | | -9.48 | 45.20 | | 74 | 54 | -8.80 | | | | |
| 7236 | V | 46.82 | {_C | -1.34 | 45.48 | G') | 74 | 54 | -8.52 | | | | |
| | V | | | | ~ |) | | | | | | | |

| | Middle channel: 2437MHz | | | | | | | | | | | | |
|--------------------|-------------------------|---------------------------|----------------------|--------------------------------|------------------------------|----|----|----------------------|----------------|--|--|--|--|
| Frequency (MHz) | Ant. Pol. H/V | Peak reading (dBµV) | AV reading (dBµV) | Correction Factor (dB/m) | Emission Peak (dBµV/m) | | | AV limit (dBµV/m) | Margin (dB) | | | | |
| 4874 | Н | 55.67 | | -9.37 | 46.30 | | 74 | 54 | -7.70 | | | | |
| 7311 | Н | 46.05 | | -1.17 | 44.88 | | 74 | 54 | -9.12 | | | | |
| | H | | | | (| | | 4 | | | | | |
| | ĬζO) | | Ϋ́O | | K | 0) | | (VO) | | | | | |
| 4874 | V | 53.56 | | -9.37 | 44.19 | | 74 | 54 | -9.81 | | | | |
| 7311 | V | 45.57 | | -1.17 | 44.40 | | 74 | 54 | -9.60 | | | | |
| | V | - | | | | | | | , | | | | |

| | | | High channel: 2462 MHz | | | | | | |
|--------------------|------------------|---------------------------|------------------------|--------------------------------|------------------------------|----------------|------------------------|----------------------|----------------|
| Frequency (MHz) | Ant. Pol. H/V | Peak reading (dBµV) | AV reading (dBµV) | Correction Factor (dB/m) | Emission Peak (dBµV/m) | AV (dBµV/m) | Peak limit (dBµV/m) | AV limit (dBµV/m) | Margin (dB) |
| 4924 | H | 53.77 | | -9.26 | 44.51 | c:\\ | 74 | 54 | -9.49 |
| 7386 | Ŧ | 45.14 | | -1.01 | 44.13 |) | 74 | 54 | -9.87 |
| | Н | | | | | - | | | |
| | | | | | | | | | |
| 4924 | V | 55.66 | | -9.26 | 46.40 | | 74 | 54 | -7.60 |
| 7386 | V | 44.99 | | -1.01 | 43.98 | | 74 | 54 | -10.02 |
| \/ | V | -12 | | | J | | | | |

Note:

- 1. Emission Level=Peak Reading + Correction Factor; Correction Factor= Antenna Factor + Cable loss Pre-amplifier
- 2. Margin (dB) = Emission Level (Peak) (dB μ V/m)-Average limit (dB μ V/m)
- 3. The emission levels of other frequencies are very lower than the limit and not show in test report.
- 4. Measurements were conducted from 1 GHz to the 10th harmonic of highest fundamental frequency. The highest test frequency is 25GHz.
- 5. Data of measurement shown "---"in the above table mean that the reading of emissions is attenuated more than 20 dB below the limits or the field strength is too small to be measured.





| Modulation Type: 802.11g |
|--------------------------|
|--------------------------|

| | Low channel: 2412 MHz | | | | | | | | | | | | |
|--------------------|-----------------------|---------------------------|----------------------|--------------------------------|-----------------------------|---------------------------|------------------------|----------------------|----------------|--|--|--|--|
| Frequency (MHz) | Ant. Pol. H/V | Peak reading (dBµV) | AV reading (dBuV) | Correction Factor (dB/m) | Emissic Peak (dBµV/m) | n Level AV (dBµV/m) | Peak limit (dBµV/m) | AV limit (dBµV/m) | Margin (dB) | | | | |
| 4824 | Н | 55.48 | | -9.48 | 46.00 | | 74 | 54 | -8.00 | | | | |
| 7236 | Н | 45.07 | | -1.34 | 43.73 | | 74 | 54 | -10.27 | | | | |
| / | Н | | | | <u> </u> | | | | | | | | |
| 4824 | V | 55.93 | | -9.48 | 46.45 | | 74 | 54 | -7.55 | | | | |
| 7236 | V | 46.17 | | -1.34 | 44.83 | | 74 | 54 | -9.17 | | | | |
| | V | | / _C | <u></u> | | O`) | | (, G) | | | | | |

| | Middle channel: 2437MHz | | | | | | | | | | | |
|--------------------|-------------------------|---------------------------|----------------------|--------------------------------|------------------------------|----------------|------------------------|----------------------|----------------|--|--|--|
| Frequency (MHz) | Ant. Pol. H/V | Peak reading (dBµV) | AV reading (dBµV) | Correction Factor (dB/m) | Emission Peak (dBµV/m) | AV (dBµV/m) | Peak limit (dBµV/m) | AV limit (dBµV/m) | Margin (dB) | | | |
| 4874 | Н | 54.54 | | -9.37 | 45.17 | | 74 | 54 | -8.83 | | | |
| 7311 | Н | 45.88 | | -1.17 | 44.71 | | 74 | 54 | -9.29 | | | |
| | Н | | | | | | | | | | | |
| | | | | | | | | | | | | |
| 4874 | V | 52.64 | 1/0 | -9.37 | 43.27 | 0) | 74 | 54 | -10.73 | | | |
| 7311 | V | 44.26 | | -1.17 | 43.09 | - | 74 | 54 | -10.91 | | | |
| | V | | | | | | | | | | | |

| | | | | | 7. | | | | |
|----------------------|------------------|---------------------------|----------------------|--------------------------------|------------------------------|---------------------------|------------------------|----------------------|-------------------|
| (.c) | | |) H | ligh channe | gh channel: 2462 MHz | | | | (.c.) |
| Frequency (MHz) | Ant. Pol. H/V | Peak reading (dBµV) | AV reading (dBµV) | Correction Factor (dB/m) | Emission Peak (dBµV/m) | n Level AV (dBµV/m) | Peak limit (dBµV/m) | AV limit (dBµV/m) | Margin (dB) |
| 4924 | H | 53.27 | | -9.26 | 44.01 | | 74 | 54 | -9.99 |
| 7386 | H | 44.25 | - (c) | -1.01 | 43.24 | | 74 | 54 | -10.76 |
| | H | | | / | |) | | \\\\\ | |
| | | | | | | | | | |
| 4924 | V | 55.07 | | -9.26 | 45.81 | | 74 | 54 | -8.19 |
| 7386 | V | 45.30 | | -1.01 | 44.29 | | 74 | 54 | -9.71 |
| (, C- ,) | V | (- 6) | | (, (| · | | \C\ 2\ | | (. C) |

Note:

- 1. Emission Level=Peak Reading + Correction Factor; Correction Factor= Antenna Factor + Cable loss Pre-amplifier
- 2. Margin (dB) = Emission Level (Peak) (dB μ V/m)-Average limit (dB μ V/m)
- 3. The emission levels of other frequencies are very lower than the limit and not show in test report.
- 4. Measurements were conducted from 1 GHz to the 10th harmonic of highest fundamental frequency. The highest test frequency is 25GHz.
- 5. Data of measurement shown "---"in the above table mean that the reading of emissions is attenuated more than 20 dB below the limits or the field strength is too small to be measured.





| Modulation | Type: | 802.11n(HT20) |
|------------|-------|---------------|
|------------|-------|---------------|

| | Low channel: 2412 MHz | | | | | | | | | | | | |
|--------------------|-----------------------|---------------------------|----------------------|--------------------------------|------------------------------|---------------------------|------------------------|----------------------|----------------|--|--|--|--|
| Frequency (MHz) | Ant. Pol. H/V | Peak reading (dBµV) | AV reading (dBuV) | Correction Factor (dB/m) | Emission Peak (dBµV/m) | n Level AV (dBµV/m) | Peak limit (dBµV/m) | AV limit (dBµV/m) | Margin (dB) | | | | |
| 4824 | Н | 54.41 | | -9.48 | 44.93 | | 74 | 54 | -9.07 | | | | |
| 7236 | Н | 44.34 | | -1.34 | 43.00 | | 74 | 54 | -11.00 | | | | |
| | Н | | | | <u> </u> | | <u></u> | | | | | | |
| | | | | | | | | | | | | | |
| 4824 | V | 54.22 | | -9.48 | 44.74 | | 74 | 54 | -9.26 | | | | |
| 7236 | V | 44.19 | | -1.34 | 42.85 | | 74 | 54 | -11.15 | | | | |
| | V | | {_C | | (| O ') | | (, G) | | | | | |

| | Middle channel: 2437MHz | | | | | | | | | | | |
|--------------------|-------------------------|---------------------------|----------------------|--------------------------------|------------------------------|----------------|------------------------|----------------------|----------------|--|--|--|
| Frequency (MHz) | Ant. Pol. H/V | Peak reading (dBµV) | AV reading (dBµV) | Correction Factor (dB/m) | Emission Peak (dBµV/m) | AV (dBµV/m) | Peak limit (dBµV/m) | AV limit (dBµV/m) | Margin (dB) | | | |
| 4874 | Н | 54.13 | | -9.37 | 44.76 | | 74 | 54 | -9.24 | | | |
| 7311 | Н | 44.57 | | -1.17 | 43.40 | | 74 | 54 | -10.60 | | | |
| | Н | | | | | | | | | | | |
| | | | | | | | | | | | | |
| 4874 | V | 52.75 | 1/0 | -9.37 | 43.38 |) | 74 | 54 | -10.62 | | | |
| 7311 | V | 44.21 | | -1.17 | 43.04 | - | 74 | 54 | -10.96 | | | |
| | V | | | | | | | | | | | |

| | | | | | 2. | | | | |
|--------------------|------------------|---------------------------|----------------------|--------------------------------|---------------------------------------|----------------|------------------------|----------------------|-------------------|
| | | |) H | ligh channe | igh channel: 2462 MHz | | | | |
| Frequency (MHz) | Ant. Pol. H/V | Peak reading (dBµV) | AV reading (dBµV) | Correction Factor (dB/m) | Emission Peak (dBµV/m) | AV (dBµV/m) | Peak limit (dBµV/m) | AV limit (dBµV/m) | Margin (dB) |
| 4924 | H | 54.03 | | -9.26 | 44.77 | | 74 | 54 | -9.23 |
| 7386 | H | 46.02 | (| -1.01 | 45.01 | <u></u> | 74 | 54 | -8.99 |
| | H | | | / | (|) | | / | |
| | | | | | | | | | |
| 4924 | V | 53.69 | | -9.26 | 44.43 | | 74 | 54 | -9.57 |
| 7386 | V | 45.07 | | -1.01 | 44.06 | | 74 | 54 | -9.94 |
| (,G-) | V | (- 6) | | (, (| · · · · · · · · · · · · · · · · · · · | | (C) | | (, C) |

Note:

- 1. Emission Level=Peak Reading + Correction Factor; Correction Factor= Antenna Factor + Cable loss Pre-amplifier
- 2. Margin (dB) = Emission Level (Peak) (dB μ V/m)-Average limit (dB μ V/m)
- 3. The emission levels of other frequencies are very lower than the limit and not show in test report.
- 4. Measurements were conducted from 1 GHz to the 10th harmonic of highest fundamental frequency. The highest test frequency is 25GHz.
- 5. Data of measurement shown "---"in the above table mean that the reading of emissions is attenuated more than 20 dB below the limits or the field strength is too small to be measured.



| Modulation | Type: | 802.11n(| (HT40) |
|------------|-------|----------|--------|
|------------|-------|----------|--------|

| | Low channel: 2422 MHz | | | | | | | | | | | | |
|--------------------|-----------------------|---------------------------|----------------------|--------------------------------|------------------------------|---------------------------|------------------------|----------------------|----------------|--|--|--|--|
| Frequency (MHz) | Ant. Pol. H/V | Peak reading (dBµV) | AV reading (dBuV) | Correction Factor (dB/m) | Emission Peak (dBµV/m) | n Level AV (dBµV/m) | Peak limit (dBµV/m) | AV limit (dBµV/m) | Margin (dB) | | | | |
| 4844 | Н | 54.04 | | -9.43 | 44.61 | | 74 | 54 | -9.39 | | | | |
| 7266 | Н | 44.69 | | -1.28 | 43.41 | | 74 | 54 | -10.59 | | | | |
| \/ | Н | | | | / | | <u></u> | | | | | | |
| | | | , , | , | | | r | , , | | | | | |
| 4844 | V | 54.72 | | -9.43 | 45.29 | | 74 | 54 | -8.71 | | | | |
| 7266 | V | 45.96 | | -1.28 | 44.68 | | 74 | 54 | -9.32 | | | | |
| | V | | / _C | ·) | (| O) | | (, G) | | | | | |

| | Middle channel: 2437MHz | | | | | | | | | | | | |
|--------------------|-------------------------|---------------------------|----------------------|--------------------------------|------------------------------|----------------|------------------------|----------------------|----------------|--|--|--|--|
| Frequency (MHz) | Ant. Pol. H/V | Peak reading (dBµV) | AV reading (dBµV) | Correction Factor (dB/m) | Emission Peak (dBµV/m) | AV (dBµV/m) | Peak limit (dBµV/m) | AV limit (dBµV/m) | Margin (dB) | | | | |
| 4874 | Н | 54.74 | | -9.37 | 45.37 | | 74 | 54 | -8.63 | | | | |
| 7311 | Н | 44.78 | | -1.17 | 43.61 | | 74 | 54 | -10.39 | | | | |
| | Н | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| 4874 | V | 54.54 | 1/0 | -9.37 | 45.17 | 0) | 74 | 54 | -8.83 | | | | |
| 7311 | ٧ | 44.54 | | -1.17 | 43.37 | | 74 | 54 | -10.63 | | | | |
| | V | | | | | | | | | | | | |

| (C_{i}) | | High channel: 2452 MHz | | | | | | | | |
|--------------------|------------------|---------------------------|----------------------|--------------------------------|------------------------------|---------------------------|------------------------|----------------------|----------------|--|
| Frequency (MHz) | Ant. Pol. H/V | Peak reading (dBµV) | AV reading (dBµV) | Correction Factor (dB/m) | Emission Peak (dBµV/m) | n Level AV (dBµV/m) | Peak limit (dBµV/m) | AV limit (dBµV/m) | Margin (dB) | |
| 4904 | H | 54.11 | | -9.30 | 44.81 | | 74 | 54 | -9.19 | |
| 7356 | H | 43.94 | (6) | -1.08 | 42.86 | | 74 | 54 | -11.14 | |
| | H | | | / | |) | | \\\\\ | | |
| | | | | | | | | | | |
| 4904 | V | 55.18 | | -9.30 | 45.88 | | 74 | 54 | -8.12 | |
| 7356 | V | 45.74 | | -1.08 | 44.66 | | 74 | 54 | -9.34 | |
| $(-\Theta)$ | V | [- 6] | | (,(| | | .C | | | |

Note:

- 1. Emission Level=Peak Reading + Correction Factor; Correction Factor= Antenna Factor + Cable loss Pre-amplifier
- 2. $Margin (dB) = Emission Level (Peak) (dB\mu V/m)-Average limit (dB\mu V/m)$
- 3. The emission levels of other frequencies are very lower than the limit and not show in test report.
- 4. Measurements were conducted from 1 GHz to the 10th harmonic of highest fundamental frequency. The highest test frequency is 25GHz.
- 5. Data of measurement shown "---"in the above table mean that the reading of emissions is attenuated more than 20 dB below the limits or the field strength is too small to be measured.



Page 32 of 107



| Modulation | Type: | 802.11 | ax(HE20) |
|------------|-------|--------|----------|
|------------|-------|--------|----------|

| | Low channel: 2412 MHz | | | | | | | | | | |
|--------------------|-----------------------|---------------------------|----------------------|--------------------------------|------------------------------|---------------------------|------------------------|-----------------------------------|----------------|--|--|
| Frequency (MHz) | Ant. Pol. H/V | Peak reading (dBµV) | AV reading (dBuV) | Correction Factor (dB/m) | Emission Peak (dBµV/m) | n Level AV (dBµV/m) | Peak limit (dBµV/m) | AV limit (dBµV/m) | Margin (dB) | | |
| 4824 | Н | 55.11 | | -9.48 | 45.63 | | 74 | 54 | -8.37 | | |
| 7236 | Н | 45.39 | | -1.34 | 44.05 | | 74 | 54 | -9.95 | | |
| | Н | | | | / | | | | | | |
| 4824 | V | 53.16 | | -9.48 | 43.68 | | 74 | 54 | -10.32 | | |
| 7236 | V | 43.76 | | -1.34 | 42.42 | ~~ | 74 | 54 | -11.58 | | |
| | V | | {_C | | (| <u></u> | | (₂ C ₂ -2) | | | |

| | Middle channel: 2437MHz | | | | | | | | | |
|--------------------|-------------------------|---------------------------|----------------------|--------------------------------|------------------------------|----------------|------------------------|----------------------|----------------|--|
| Frequency (MHz) | Ant. Pol. H/V | Peak reading (dBµV) | AV reading (dBµV) | Correction Factor (dB/m) | Emission Peak (dBµV/m) | AV (dBµV/m) | Peak limit (dBµV/m) | AV limit (dBµV/m) | Margin (dB) | |
| 4874 | Н | 54.97 | | -9.37 | 45.60 | | 74 | 54 | -8.40 | |
| 7311 | Н | 44.42 | | -1.17 | 43.25 | | 74 | 54 | -10.75 | |
| | Н | | | | | | | | | |
| | | | | | | | | | | |
| 4874 | V | 53.81 | 1/0 | -9.37 | 44.44 | 0) | 74 | 54 | -9.56 | |
| 7311 | V | 44.48 | | -1.17 | 43.31 | - | 74 | 54 | -10.69 | |
| | V | | | | | | | | | |

| | | | | | 2. | | | | |
|----------------------|------------------|---------------------------|----------------------|--------------------------------|------------------------------|---------------------------|------------------------|----------------------|-------------------|
| | | |) H | Z | | | | | |
| Frequency (MHz) | Ant. Pol. H/V | Peak reading (dBµV) | AV reading (dBµV) | Correction Factor (dB/m) | Emission Peak (dBµV/m) | n Level AV (dBµV/m) | Peak limit (dBµV/m) | AV limit (dBµV/m) | Margin (dB) |
| 4924 | H | 53.75 | | -9.26 | 44.49 | | 74 | 54 | -9.51 |
| 7386 | H | 45.51 | (| -1.01 | 44.50 | | 74 | 54 | -9.50 |
| | H | | | / | (|) | | / | |
| | | | | | | | | | |
| 4924 | V | 55.47 | | -9.26 | 46.21 | | 74 | 54 | -7.79 |
| 7386 | V | 46.61 | | -1.01 | 45.60 | | 74 | 54 | -8.40 |
| (, C- ,) | V | (- 6) | | (, (| · | | \C\ 2\ | | (. C) |

Note:

- 1. Emission Level=Peak Reading + Correction Factor; Correction Factor= Antenna Factor + Cable loss Pre-amplifier
- 2. Margin (dB) = Emission Level (Peak) (dB μ V/m)-Average limit (dB μ V/m)
- 3. The emission levels of other frequencies are very lower than the limit and not show in test report.
- 4. Measurements were conducted from 1 GHz to the 10th harmonic of highest fundamental frequency. The highest test frequency is 25GHz.
- 5. Data of measurement shown "---"in the above table mean that the reading of emissions is attenuated more than 20 dB below the limits or the field strength is too small to be measured.



| Modulation | Type: | 802.1 | 1ax(HE40) |
|------------|-------|-------|-----------|
|------------|-------|-------|-----------|

| | Low channel: 2422 MHz | | | | | | | | | | |
|--------------------|-----------------------|---------------------------|----------------------|--------------------------------|------------------------------|---------------------------|------------------------|----------------------|----------------|--|--|
| Frequency (MHz) | Ant. Pol. H/V | Peak reading (dBµV) | AV reading (dBuV) | Correction Factor (dB/m) | Emission Peak (dBµV/m) | n Level AV (dBµV/m) | Peak limit (dBµV/m) | AV limit (dBµV/m) | Margin (dB) | | |
| 4844 | Н | 55.40 | | -9.43 | 45.97 | | 74 | 54 | -8.03 | | |
| 7266 | Н | 45.35 | | -1.28 | 44.07 | | 74 | 54 | -9.93 | | |
| | Н | | | | <i></i> | | | | `~ | | |
| | | | | | | | | | | | |
| 4844 | V | 54.50 | | -9.43 | 45.07 | | 74 | 54 | -8.93 | | |
| 7266 | V | 46.01 | | -1.28 | 44.73 | | 74 | 54 | -9.27 | | |
| | V | | / _C | *) | | O') | | (, G) | | | |

| | Middle channel: 2437MHz | | | | | | | | | |
|--------------------|-------------------------|---------------------------|----------------------|--------------------------------|------------------------------|----------------|------------------------|----------------------|----------------|--|
| Frequency (MHz) | Ant. Pol. H/V | Peak reading (dBµV) | AV reading (dBµV) | Correction Factor (dB/m) | Emission Peak (dBµV/m) | AV (dBµV/m) | Peak limit (dBµV/m) | AV limit (dBµV/m) | Margin (dB) | |
| 4874 | Н | 54.27 | | -9.37 | 44.90 | | 74 | 54 | -9.10 | |
| 7311 | Н | 44.68 | | -1.17 | 43.51 | | 74 | 54 | -10.49 | |
| | Н | | | | | | | | | |
| | | | | | | | | | | |
| 4874 | V | 55.46 | 1/0 | -9.37 | 46.09 | 0) | 74 | 54 | -7.91 | |
| 7311 | V | 45.42 | | -1.17 | 44.25 | - | 74 | 54 | -9.75 | |
| | V | | | | | | | | | |

| | | | | | 2 | | | | |
|--------------------|------------------|---------------------------|----------------------|--------------------------------|---------------------------------------|---------------------------|------------------------|----------------------|---------------------|
| | | |) Н | ligh channe | l: 2452 MH | Z | | | |
| Frequency (MHz) | Ant. Pol. H/V | Peak reading (dBµV) | AV reading (dBµV) | Correction Factor (dB/m) | Emission Peak (dBµV/m) | n Level AV (dBµV/m) | Peak limit (dBµV/m) | AV limit (dBµV/m) | Margin (dB) |
| 4904 | H | 54.46 | | -9.30 | 45.16 | | 74 | 54 | -8.84 |
| 7356 | H | 44.40 | / c) | -1.08 | 43.32 | | 74 | 54 | -10.68 |
| | H | | | / | |) | | `` | |
| | | | | | | | | | |
| 4904 | V | 53.65 | | -9.30 | 44.35 | | 74 | 54 | -9.65 |
| 7356 | V | 45.08 | | -1.08 | 44.00 | | 74 | 54 | -10.00 |
| (, C-) | V | (. .c) | | (, 0 | · · · · · · · · · · · · · · · · · · · | | · C 2) | | (, c ,`) |

Note:

- 1. Emission Level=Peak Reading + Correction Factor; Correction Factor= Antenna Factor + Cable loss Pre-amplifier
- 2. $Margin (dB) = Emission Level (Peak) (dB\mu V/m)-Average limit (dB\mu V/m)$
- 3. The emission levels of other frequencies are very lower than the limit and not show in test report.
- 4. Measurements were conducted from 1 GHz to the 10th harmonic of highest fundamental frequency. The highest test frequency is 25GHz.
- 5. Data of measurement shown "---"in the above table mean that the reading of emissions is attenuated more than 20 dB below the limits or the field strength is too small to be measured.



Page 34 of 107



Appendix A: Test Result of Conducted Test

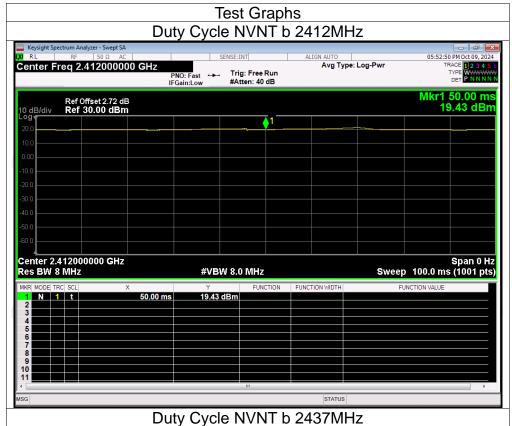
Duty Cycle

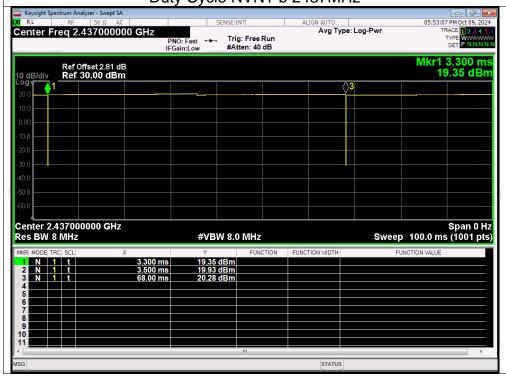
| Daty Gyolo | | | | | | | | | |
|------------------|----------|-----------------|-------------------|------------------------|--|--|--|--|--|
| Condit | ion Mode | Frequency (MHz) | Duty Cycle (%) | Correction Factor (dB) | | | | | |
| NVN | T b | 2412 | 100 | 0 | | | | | |
| NVN [*] | T b | 2437 | 99.80 | 0 | | | | | |
| NVN | T b | 2462 | 99.80 | 0 | | | | | |
| NVN' | Т д | 2412 | 98.60 | 0 | | | | | |
| NVN [*] | T g | 2437 | 98.60 | 0 | | | | | |
| NVN [*] | Т д | 2462 | 98.30 | 0 | | | | | |
| NVN ⁻ | T n20 | 2412 | 98.30 | 0 | | | | | |
| NVN' | T n20 | 2437 | 98 | (0) 0 | | | | | |
| NVN [*] | T n20 | 2462 | 98.70 | 0 | | | | | |
| NVN' | T n40 | 2422 | 98.12 | 0 | | | | | |
| NVN | T n40 | 2437 | 97.48 | 0.11 | | | | | |
| NVN | T n40 | 2452 | 98.26 | 0(0) | | | | | |
| NVN | T ax20 | 2412 | 95.90 | 0.18 | | | | | |
| NVN [*] | T ax20 | 2437 | 97 | 0.13 | | | | | |
| NVN | T ax20 | 2462 | 94.18 | 0.26 | | | | | |
| NVN | T ax40 | 2422 | 96.55 | 0.15 | | | | | |
| NVN [*] | T ax40 | 2437 | 96.50 | 0.15 | | | | | |
| NVN | T ax40 | 2452 | 96.35 | 0.16 | | | | | |





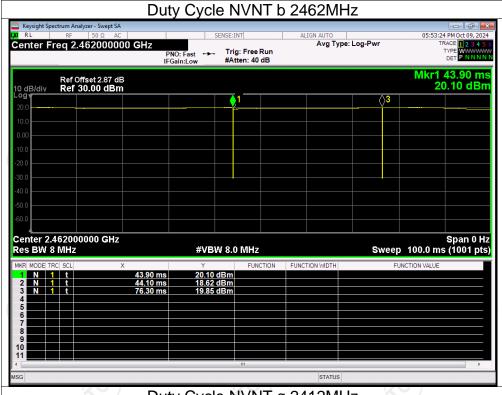


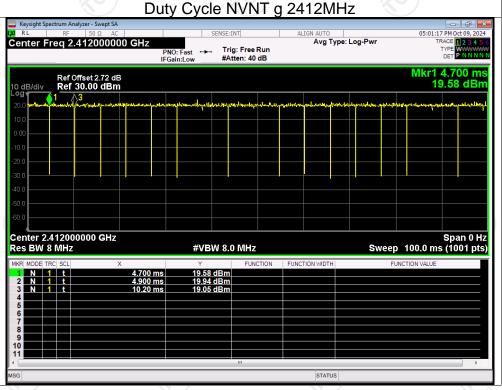




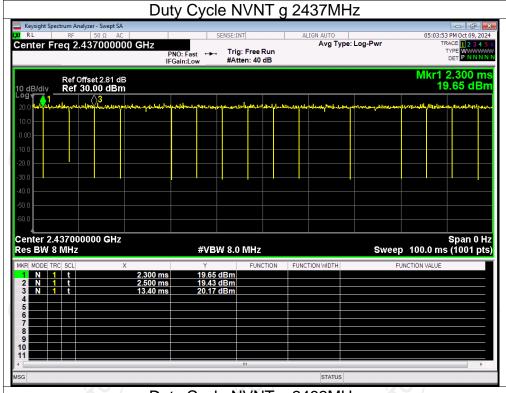


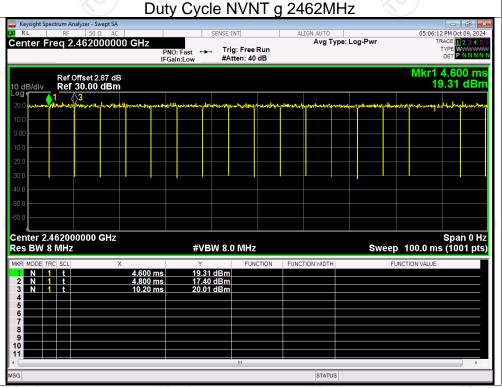






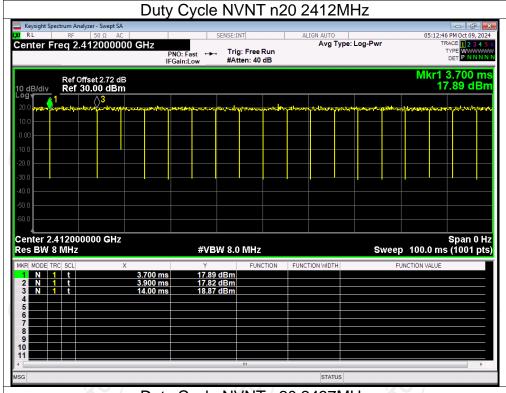


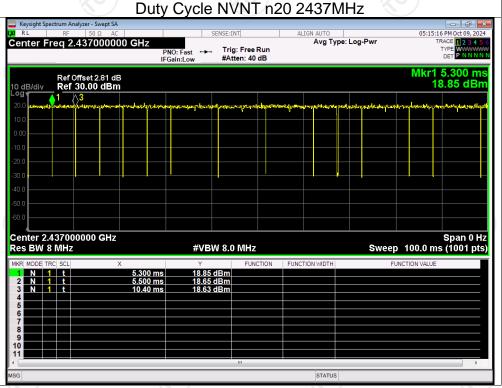






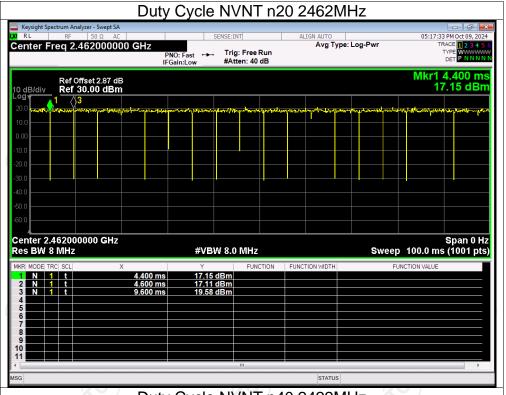


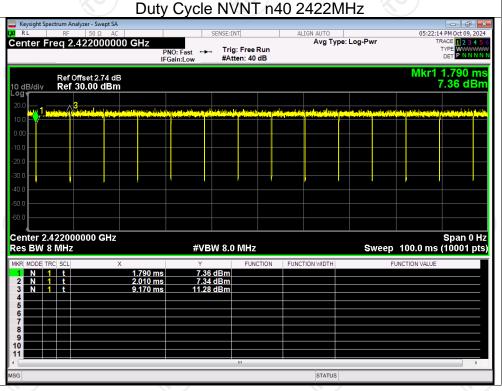






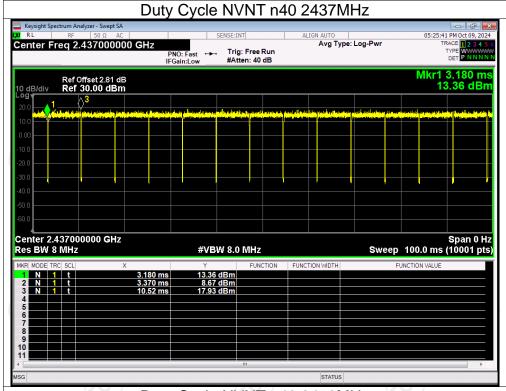


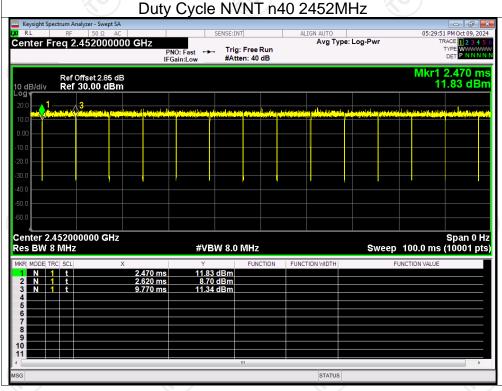






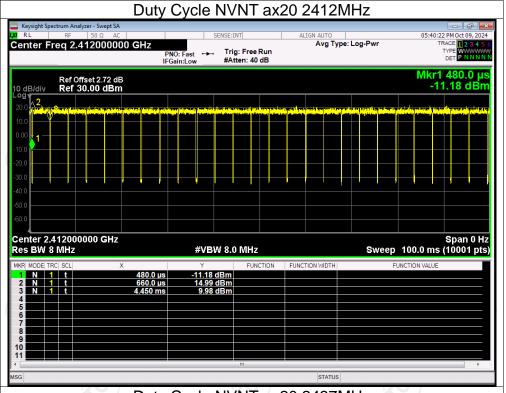


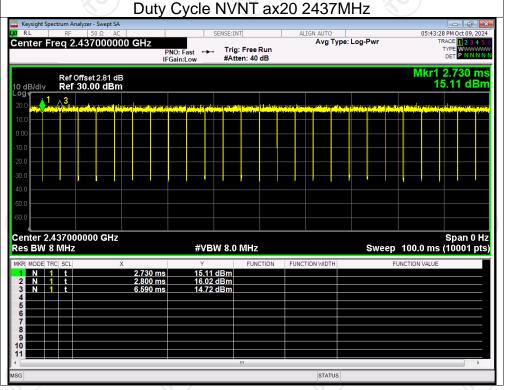






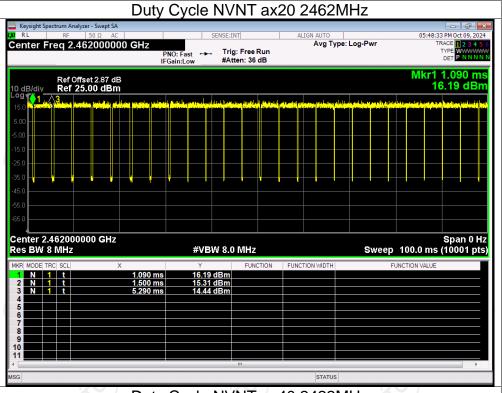


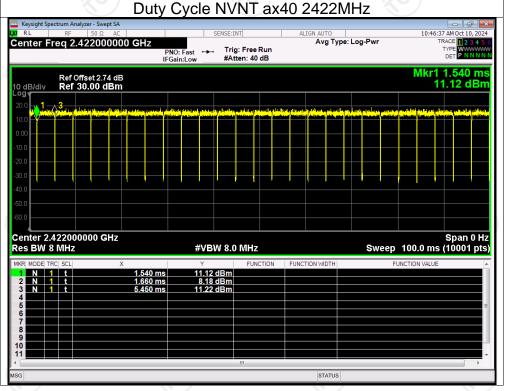




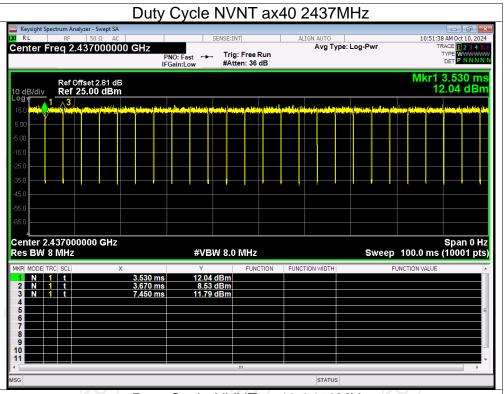


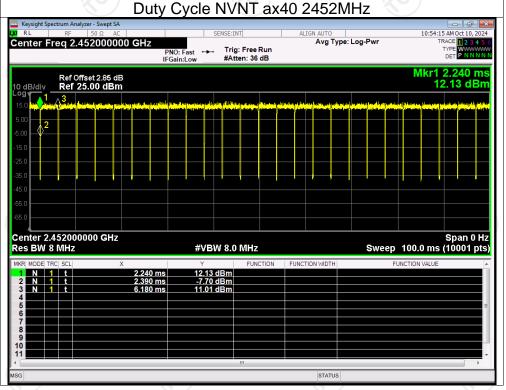












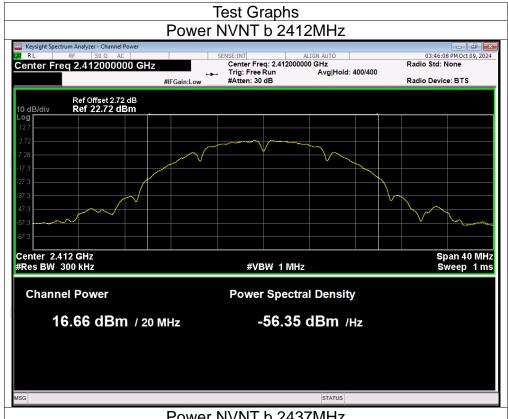


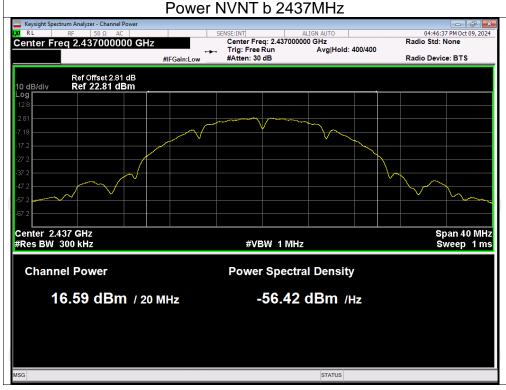
Maximum Conducted Output Power

| Condition | Mode | Frequency (MHz) | Conducted Power (dBm) | Duty Factor (dB) | Total Power (dBm) | Limit (dBm) | Verdict |
|-----------|------|--------------------|--------------------------|------------------------|-------------------------|----------------|---------|
| NVNT | b | 2412 | 16.66 | 0 | 16.66 | 30 | Pass |
| NVNT | b | 2437 | 16.59 | 0 | 16.59 | 30 | Pass |
| NVNT | b | 2462 | 16.19 | 0 | 16.19 | 30 | Pass |
| NVNT | g | 2412 | 14.71 | 0 | 14.71 | 30 | Pass |
| NVNT | g | 2437 | 14.80 | 0 | 14.80 | 30 | Pass |
| NVNT | g | 2462 | 14.08 | 0 | 14.08 | 30 | Pass |
| NVNT | n20 | 2412 | 13.58 | 0 | 13.58 | 30 | Pass |
| NVNT | n20 | 2437 | 13.68 | 0 | 13.68 | 30 | Pass |
| NVNT | n20 | 2462 | 13.07 | 0 | 13.07 | 30 | Pass |
| NVNT | n40 | 2422 | 13.18 | 0 | 13.18 | 30 | Pass |
| NVNT | n40 | 2437 | 13.74 | 0.11 | 13.85 | 30 | Pass |
| NVNT | _n40 | 2452 | 13.27 | 0 | 13.27 | 30 | Pass |
| NVNT | ax20 | 2412 | 13.02 | 0.18 | 13.15 | 30 | Pass |
| NVNT | ax20 | 2437 | 13.32 | 0.13 | 13.45 | 30 | Pass |
| NVNT | ax20 | 2462 | 12.51 | 0.26 | 12.77 | 30 | Pass |
| NVNT | ax40 | 2422 | 13.46 | 0.15 | 13.61 | 30 | Pass |
| NVNT | ax40 | 2437 | 13.86 | 0.15 | 14.01 | 30 | Pass |
| NVNT | ax40 | 2452 | 13.41 | 0.16 | 13.57 | 30 | Pass |

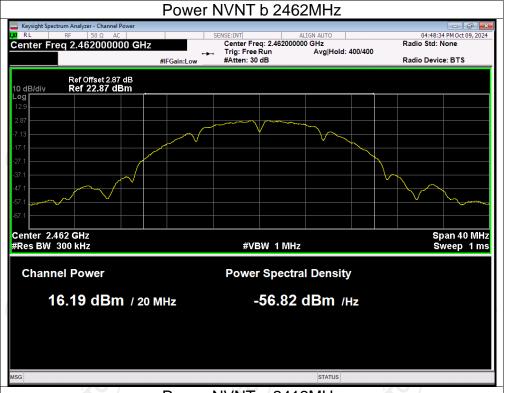


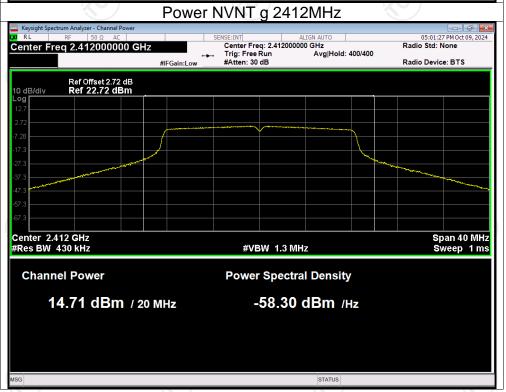




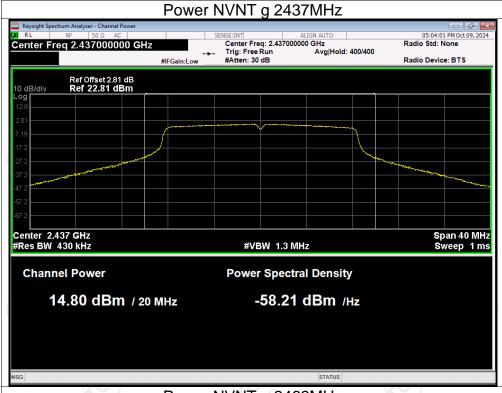


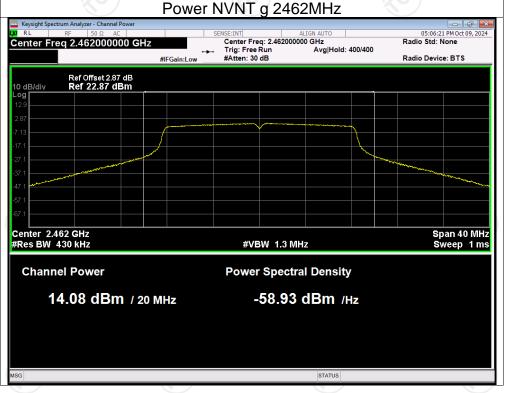




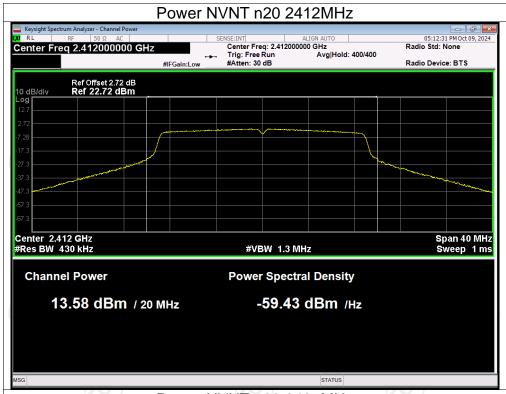


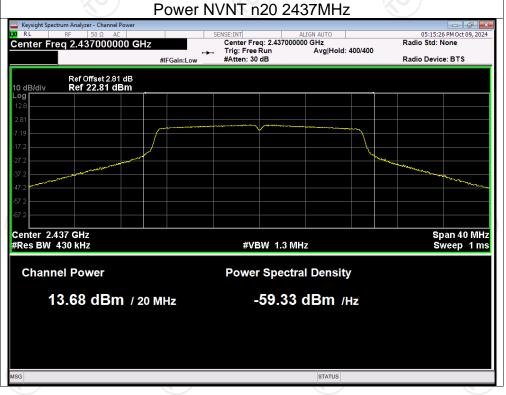




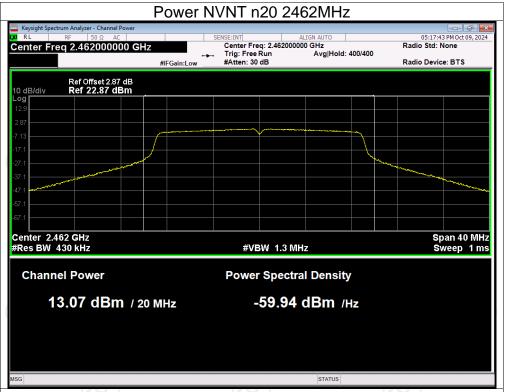


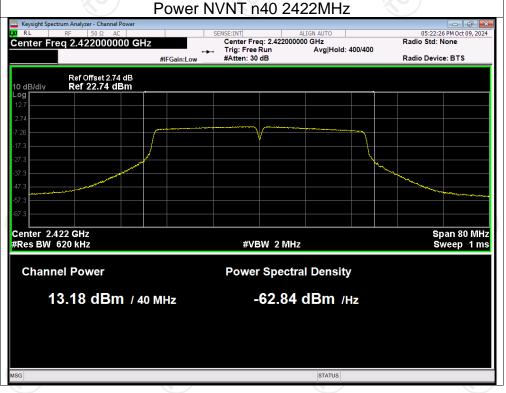




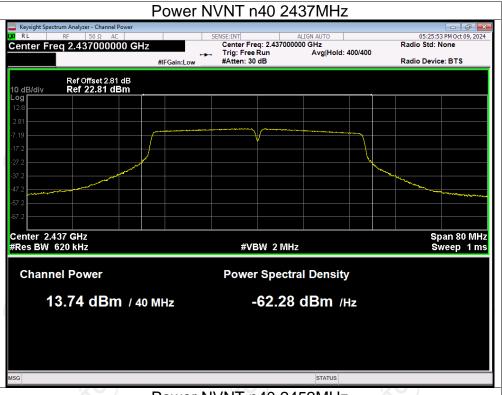


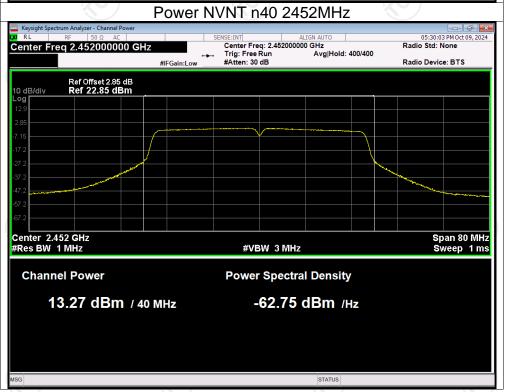




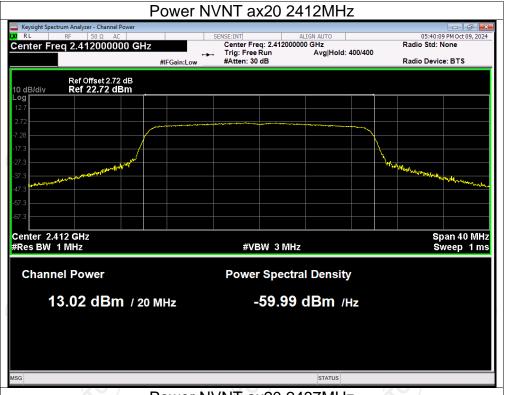


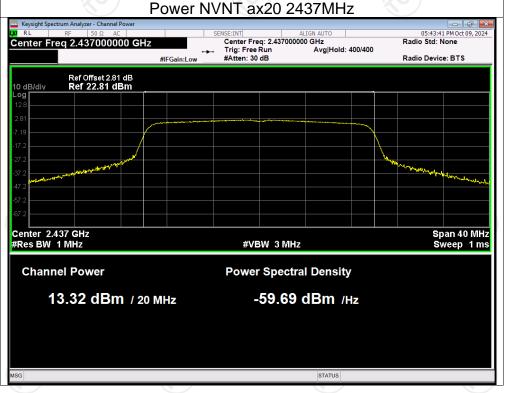




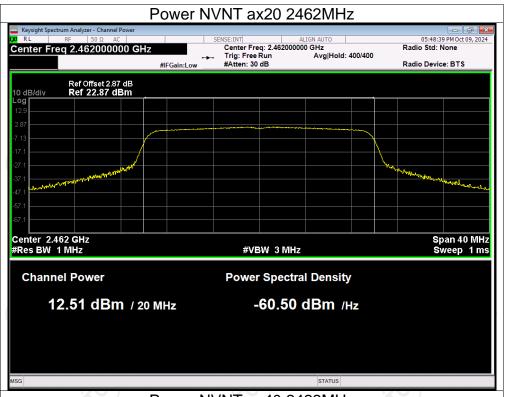


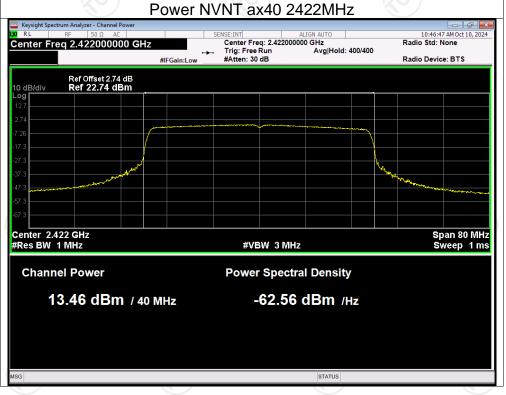




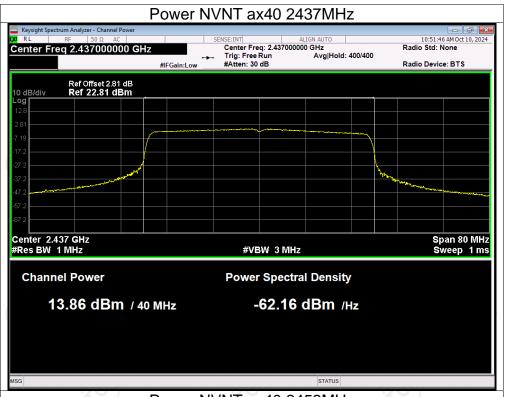


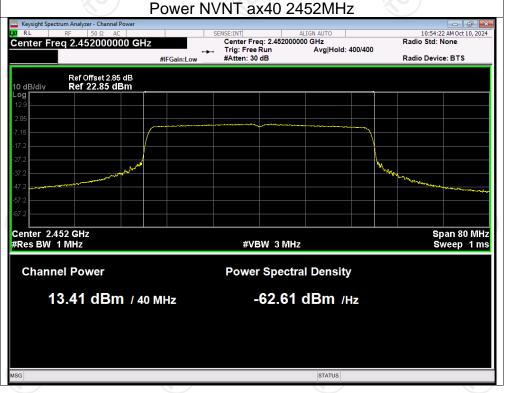














-6dB Bandwidth

| Condition | Mode | Frequency (MHz) | -6 dB Bandwidth (MHz) | Limit -6 dB Bandwidth (MHz) | Verdict |
|-----------|------|--------------------|-----------------------|--------------------------------|---------|
| NVNT | b | 2412 | 9.602 | 0.5 | Pass |
| NVNT | b | 2437 | 9.606 | 0.5 | Pass |
| NVNT | b | 2462 | 9.576 | 0.5 | Pass |
| NVNT | g | 2412 | 16.344 | 0.5 | Pass |
| NVNT | g | 2437 | 16.353 | 0.5 | Pass |
| NVNT | g | 2462 | 16.364 | 0.5 | Pass |
| NVNT | n20 | 2412 | 16.937 | 0.5 | Pass |
| NVNT | n20 | 2437 | 17.301 | 0.5 | Pass |
| NVNT | n20 | 2462 | 16.692 | 0.5 | Pass |
| NVNT | n40 | 2422 | 35.527 | 0.5 | Pass |
| NVNT | n40 | 2437 | 34.174 | 0.5 | Pass |
| NVNT | n40 | 2452 | 35.931 | 0.5 | Pass |
| NVNT | ax20 | 2412 | 18.430 | 0.5 | Pass |
| NVNT | ax20 | 2437 | 18.230 | 0.5 | Pass |
| NVNT | ax20 | 2462 | 18.943 | 0.5 | Pass |
| NVNT | ax40 | 2422 | 36.324 | 0.5 | Pass |
| NVNT | ax40 | 2437 | 36.458 | 0.5 | Pass |
| NVNT | ax40 | 2452 | 37.468 | 0.5 | Pass |

















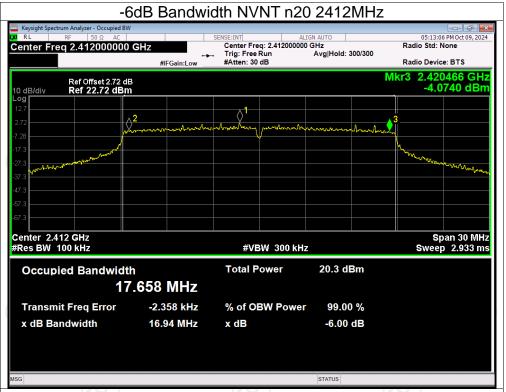


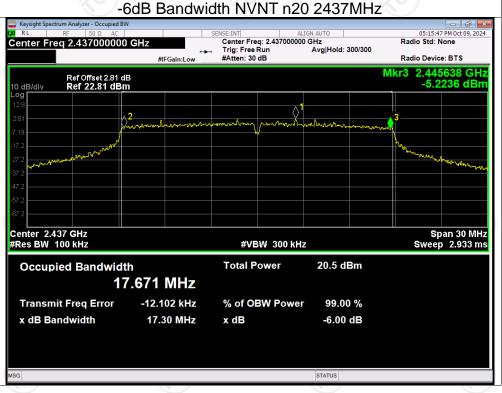




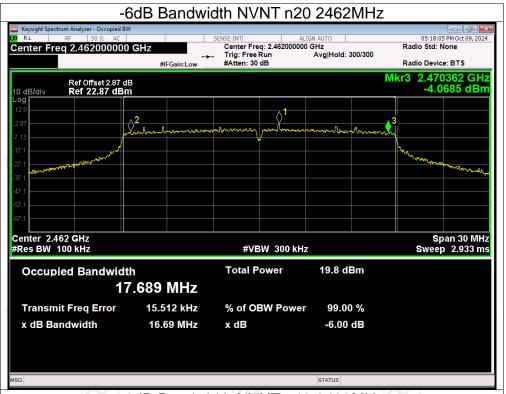


























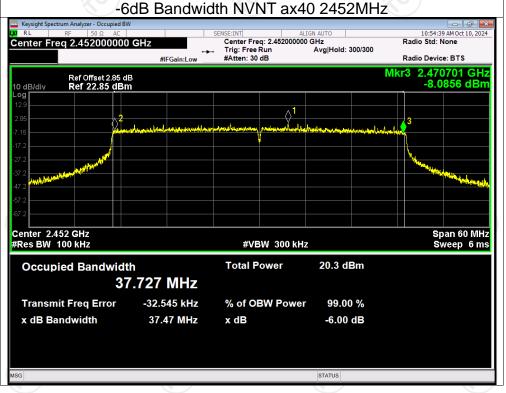










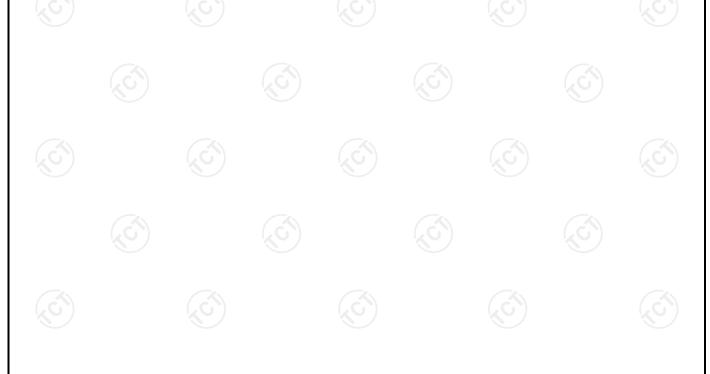




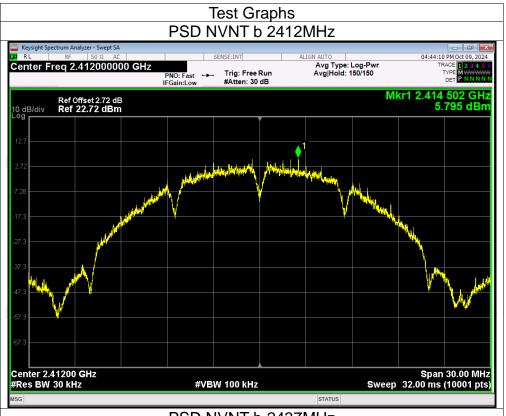
Maximum Power Spectral Density Level

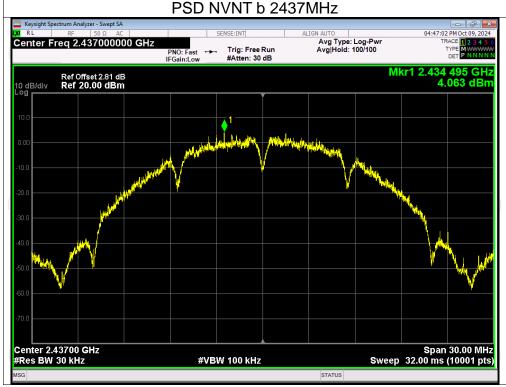
| Condition | Mode | Frequency (MHz) | Conducted PSD (dBm/ 30kHz) | Duty Factor (dB) | Total PSD (dBm/ 30kHz) | Total PSD (dBm/ 3kHz) | Limit (dBm/ 3kHz) | Verdict |
|-----------|------|--------------------|----------------------------------|------------------------|---------------------------------|--------------------------------|-------------------------|---------|
| NVNT | b | 2412 | 5.80 | 0 | 5.80 | -4.20 | 8 | Pass |
| NVNT | b | 2437 | 4.06 | 0 | 4.06 | -5.94 | 8 | Pass |
| NVNT | b | 2462 | 4.33 | 0 | 4.33 | -5.67 | 8 | Pass |
| NVNT | g | 2412 | -0.34 | 0 | -0.34 | -10.34 | 8 | Pass |
| NVNT | g | 2437 | -0.83 | 0 | -0.83 | -10.83 | 8 | Pass |
| NVNT | g | 2462 | -1.41 | 0 | -1.41 | -11.41 | 8 | Pass |
| NVNT | n20 | 2412 | -1.06 | 0 | -1.06 | -11.06 | 8 | Pass |
| NVNT | n20 | 2437 | -0.66 | 0 | -0.66 | -10.66 | 8 | Pass |
| NVNT | n20 | 2462 | -2.26 | 0 | -2.26 | -12.26 | 8 | Pass |
| NVNT | n40 | 2422 | -5.53 | 0 | -5.53 | -15.53 | 8 | Pass |
| NVNT | n40 | 2437 | -4.63 | 0.11 | -4.52 | -14.52 | 8 | Pass |
| NVNT | n40 | 2452 | -5.19 | 0 | -5.19 | -15.19 | 8 | Pass |
| NVNT | ax20 | 2412 | -12.6 | 0.18 | -12.42 | -22.42 | 8 | Pass |
| NVNT | ax20 | 2437 | -12.26 | 0.13 | -12.13 | -22.13 | 8 | Pass |
| NVNT | ax20 | 2462 | -13.01 | 0.26 | -12.75 | -22.75 | 8 | Pass |
| NVNT | ax40 | 2422 | -14.96 | 0.15 | -14.81 | -24.81 | 8 | Pass |
| NVNT | ax40 | 2437 | -14.62 | 0.15 | -14.47 | -24.47 | 8 | Pass |
| NVNT | ax40 | 2452 | -15.09 | 0.16 | -14.93 | -24.93 | 8 | Pass |

Note: Result[dBm/3kHz] = Result[dBm/30kHz] +10log(3kHz/30kHz)

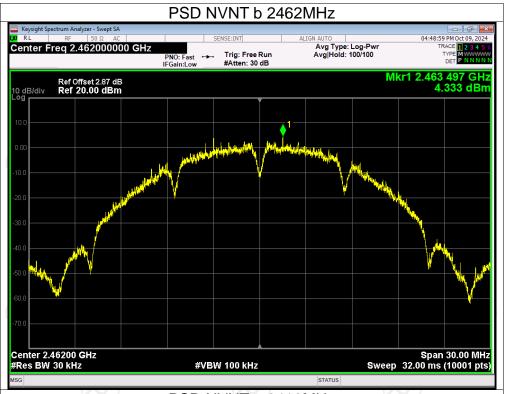


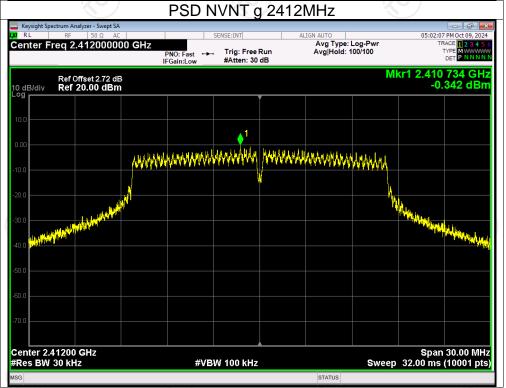






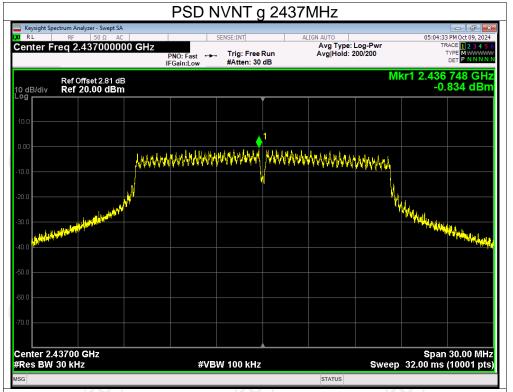


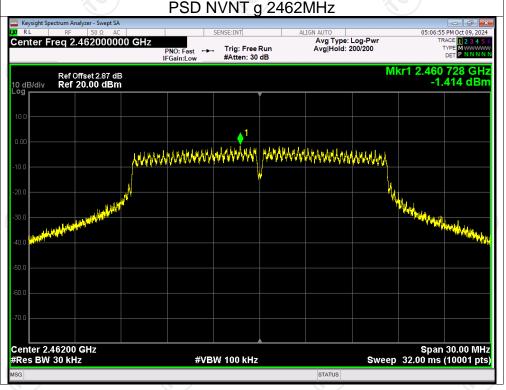




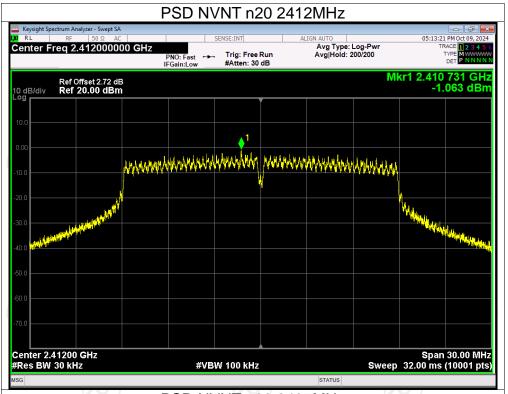


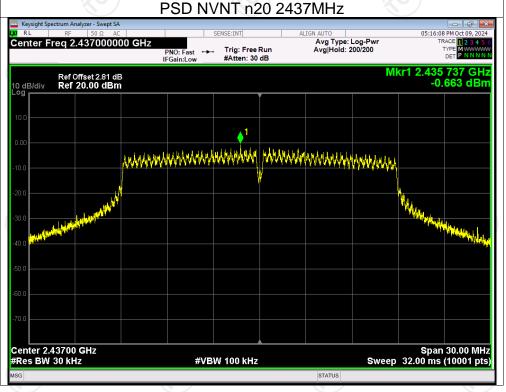




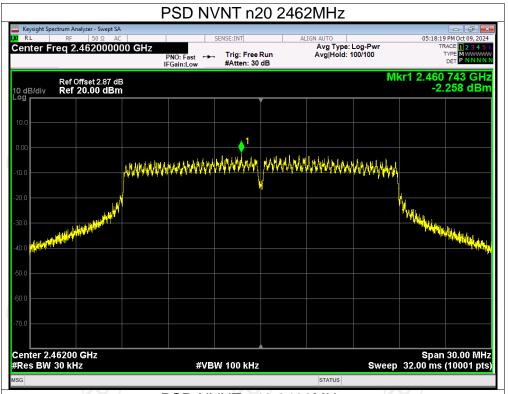


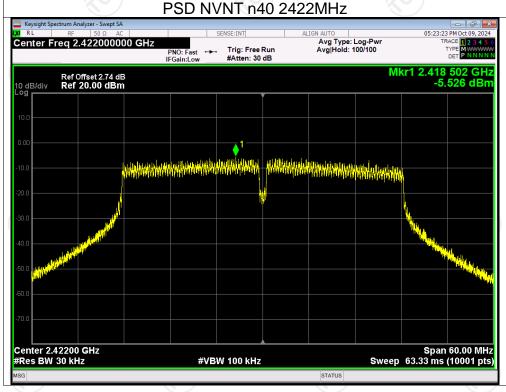




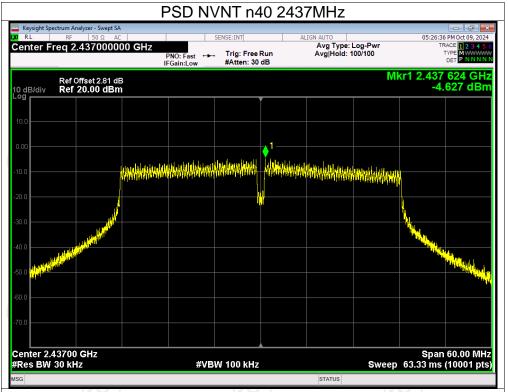


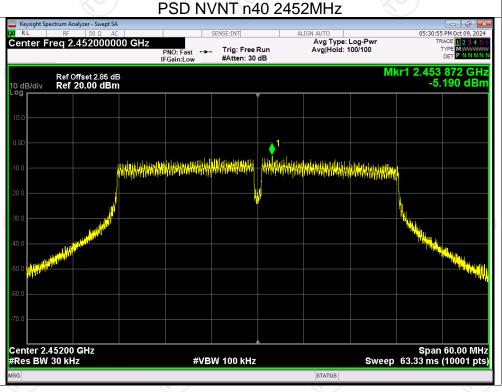




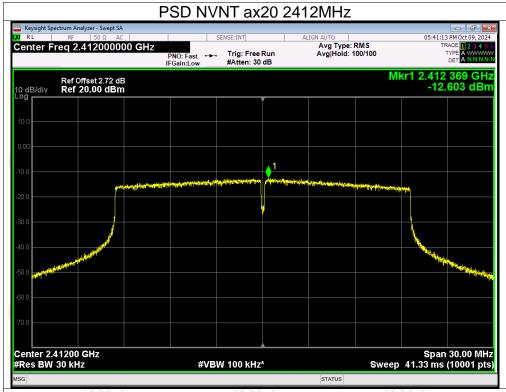


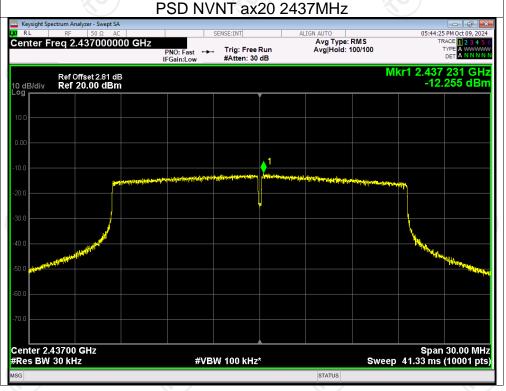






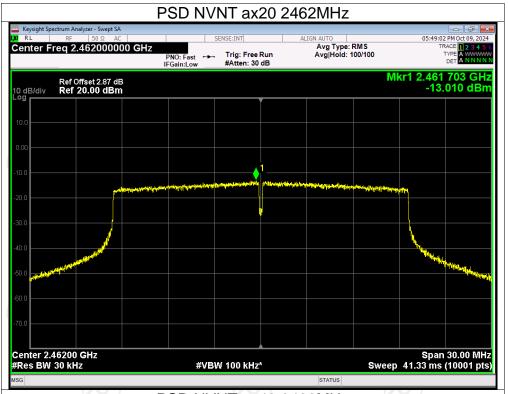


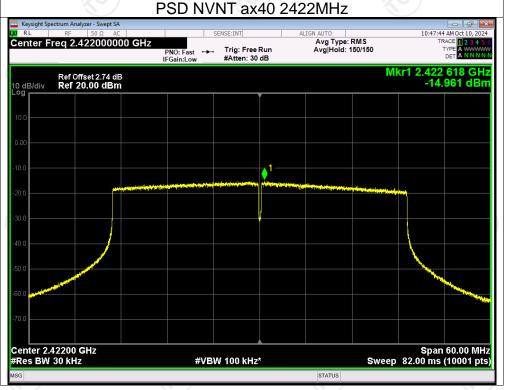






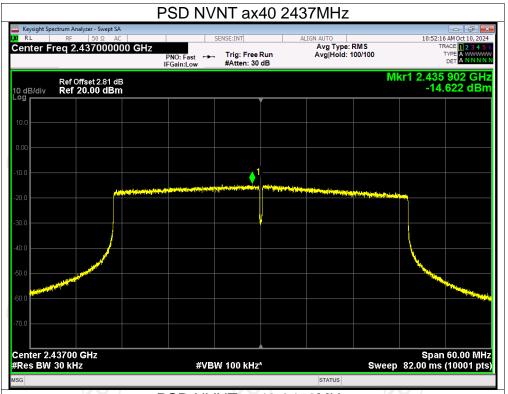


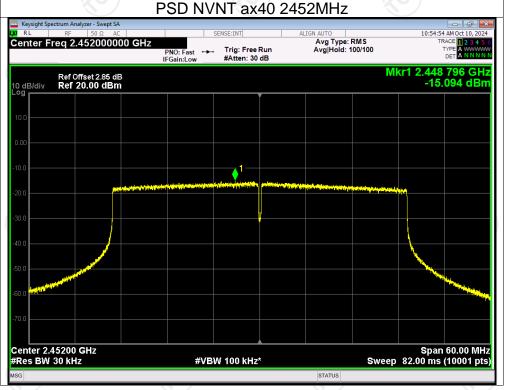














Band Edge

| Condition | Mode | Frequency (MHz) | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|------|-----------------|-----------------|-------------|---------|
| NVNT | b | 2412 | -59.11 | -30 | Pass |
| NVNT | b | 2462 | -58.66 | -30 | Pass |
| NVNT | g | 2412 | -46.88 | -30 | Pass |
| NVNT | g | 2462 | -46.36 | -30 | Pass |
| NVNT | n20 | 2412 | -46.73 | -30 | Pass |
| NVNT | n20 | 2462 | -46.16 | -30 | Pass |
| NVNT | n40 | 2422 | -43.32 | -30 | Pass |
| NVNT | n40 | 2452 | -41.19 | -30 | Pass |
| NVNT | ax20 | 2412 | -43.36 | -30 | Pass |
| NVNT | ax20 | 2462 | -44.02 | -30 | Pass |
| NVNT | ax40 | 2422 | -42.64 | -30 | Pass |
| NVNT | ax40 | 2452 | -41.69 | -30 | Pass |

