

TEST REPORT

Report No. CISRR25010803604

Project No. CISR250108036

FCC ID 2BND4-QY-PRO1

Applicant Dongguan Jialongye Electronic Company Limited

Room 304, Building No.2, No.511 Guanchang Road, Dalingshan Address

Town, Dongguan City, Guangdong Provide, China

Manufacturer Dongguan Jialongye Electronic Company Limited

Room 304, Building No.2, No.511 Guanchang Road, Dalingshan Address

Town, Dongguan City, Guangdong Provide, China

Product Name Smart Cycling Music Glasses

Trade Mark N/A

QY-Pro 1 Model/Type reference

QY-Pro 2, QY-Pro 3, QY-Pro 5, QY-Pro 6, QY-Pro 7, QY-Pro 8, QY-Pro 9, Listed Model(s)

QY-Pro 10, QY-Pro 11, QY-Pro 12, QY-Pro 13, QY-Pro 15, QY-Pro 16, QY-

Pro 17, QY-Pro 18, QY-Pro 19, QY-Pro 20

47 CFR Part 15.247 Standard

Test date January 9, 2025 to January 16, 2025

Issue date March 4, 2025

Test result Complied

Kory Awang

Prepared by: Rory Huang

GenryLong

Approved by: Genry Long

The test results relate only to the tested samples.

The test report should not be reproduced except in full without the written approval of Shenzhen Bangce Testing Technology Co., Ltd.



Contents

| 1. REPORT VERSION | 3 |
|---|----|
| 2. TEST DESCRIPTION | 4 |
| 3. SUMMARY | 5 |
| 3.1. Product Description * | 5 |
| 3.2. Radio Specification Description * | |
| 3.3. Modification of EUT | |
| 3.4. Deviation from standards | |
| 3.5. Testing Site | 6 |
| 4. TEST CONFIGURATION | 7 |
| 4.1. Test frequency list | |
| 4.2. Descriptions of test mode | |
| 4.3. Support unit used in test configuration | |
| 4.4. Test sample information4.5. Environmental conditions | |
| 4.6. Equipment Used during the Test | |
| 5. TEST RESULTS | 10 |
| 5.1. Evaluation Results (Evaluation) | 10 |
| 5.1.1. Antenna Requirement | 10 |
| 5.2. Radio Spectrum Matter Test Results (RF) | 11 |
| 5.2.1. Conducted Emission at AC power line | 11 |
| 5.2.2. 20dB Bandwidth | |
| 5.2.3. Maximum Conducted Output Power | 16 |
| 5.2.4. Channel Separation | 17 |
| 5.2.5. Number of Hopping Frequencies | |
| 5.2.6. Dwell Time | |
| 5.2.7. Conducted band edge and spurious emission | |
| 5.2.8. Radiated band edge emission | |
| 5.2.9. Radiated Spurious Emission (below 1GHz) | |
| 5.2.10. Radiated Spurious Emission (Above 1GHz) | |
| 6. TEST SETUP PHOTOS | 53 |
| 7. EXTERNAL AND INTERNAL PHOTOS | 55 |
| 7.1. External Photos7.2. Internal Photos | |
| 1.4. IIIGIIIAI FIIULUS | |



1. REPORT VERSION

| Version No. | Issue date | Description |
|-------------|---------------|-------------|
| 00 | March 4, 2025 | Original |
| | | |
| | | |



2. TEST DESCRIPTION

| No. | Test Item | Standard Requirement | Result |
|-----|---|----------------------------------|--------|
| 1 | Antenna Requirement | 47 CFR 15.203 | Pass |
| 2 | Conducted Emission at AC power line | 47 CFR 15.207(a) | Pass |
| 3 | 20dB Bandwidth | 47 CFR 15.247(a)(1) | Pass |
| 4 | Maximum Conducted Output Power | 47 CFR 15.247(b)(1) | Pass |
| 5 | Channel Separation | 47 CFR 15.247(a)(1) | Pass |
| 6 | Number of Hopping Frequencies | 47 CFR 15.247(a)(1)(iii) | Pass |
| 7 | Dwell Time | 47 CFR 15.247(a)(1)(iii) | Pass |
| 8 | Conducted band edge and spurious emission | 47 CFR 15.247(d), 15.209, 15.205 | Pass |
| 9 | Radiated band edge emission | 47 CFR 15.247(d), 15.209, 15.205 | Pass |
| 10 | Radiated Spurious Emission (below 1GHz) | 47 CFR 15.247(d), 15.209, 15.205 | Pass |
| 11 | Radiated Spurious Emission (Above 1GHz) | 47 CFR 15.247(d), 15.209, 15.205 | Pass |

Note:

The measurement uncertainty is not included in the test result.



3. **SUMMARY**

3.1. Product Description *

| Main unit information: | |
|---------------------------------|--|
| Product Name: | Smart Cycling Music Glasses |
| Trade Mark: | N/A |
| Model No.: | QY-Pro 1 |
| Listed Model(s): | QY-Pro 2, QY-Pro 3, QY-Pro 5, QY-Pro 6, QY-Pro 7, QY-Pro 8, QY-Pro 9, QY-Pro 10, QY-Pro 11, QY-Pro 12, QY-Pro 13, QY-Pro 15, QY-Pro 16, QY-Pro 17, QY-Pro 18, QY-Pro 19, QY-Pro 20 |
| Model difference: | N/A |
| Power supply: | Input: DC 5V |
| Hardware version: | V1.0 |
| Software version: | V1.0 |
| Accessory unit (AU) information | |
| Battery: | DC 3.7V |

3.2. Radio Specification Description *

| Modulation type: | GFSK, π/4 DQPSK, 8DPSK | |
|----------------------|------------------------|--|
| Operation frequency: | 2402MHz to 2480MHz | |
| Channel number: | 79 | |
| Channel separation: | 1MHz | |
| Antenna type: | Chip | |
| Antenna gain: | -1.3dBi | |

Note:

2) Operation frequency list as follow:

| Channel | Frequency (MHz) | Channel | Frequency (MHz) | Channel | Frequency (MHz) | Channel | Frequency (MHz) |
|---------|--------------------|---------|--------------------|---------|--------------------|---------|--------------------|
| 0 | 2402 | 20 | 2422 | 40 | 2442 | 60 | 2462 |
| 1 | 2403 | 21 | 2423 | 41 | 2443 | 61 | 2463 |
| 2 | 2404 | 22 | 2424 | 42 | 2444 | 62 | 2464 |
| 3 | 2405 | 23 | 2425 | 43 | 2445 | 63 | 2465 |
| 4 | 2406 | 24 | 2426 | 44 | 2446 | 64 | 2466 |
| 5 | 2407 | 25 | 2427 | 45 | 2447 | 65 | 2467 |

^{*:} Since the above information is provided by the applicant relevant results or conclusions of this report are only made for these information, Bangce is not responsible for the authenticity, integrity and results of the information and/or the validity of the conclusion.



| 6 | 2408 | 26 | 2428 | 46 | 2448 | 66 | 2468 |
|----|------|----|------|----|------|----|------|
| 7 | 2409 | 27 | 2429 | 47 | 2449 | 67 | 2469 |
| 8 | 2410 | 28 | 2430 | 48 | 2450 | 68 | 2470 |
| 9 | 2411 | 29 | 2431 | 49 | 2451 | 69 | 2471 |
| 10 | 2412 | 30 | 2432 | 50 | 2452 | 70 | 2472 |
| 11 | 2413 | 31 | 2433 | 51 | 2453 | 71 | 2473 |
| 12 | 2414 | 32 | 2434 | 52 | 2454 | 72 | 2474 |
| 13 | 2415 | 33 | 2435 | 53 | 2455 | 73 | 2475 |
| 14 | 2416 | 34 | 2436 | 54 | 2456 | 74 | 2476 |
| 15 | 2417 | 35 | 2437 | 55 | 2457 | 75 | 2477 |
| 16 | 2418 | 36 | 2438 | 56 | 2458 | 76 | 2478 |
| 17 | 2419 | 37 | 2439 | 57 | 2459 | 77 | 2479 |
| 18 | 2420 | 38 | 2440 | 58 | 2460 | 78 | 2480 |
| 19 | 2421 | 39 | 2441 | 59 | 2461 | - | - |

3.3. Modification of EUT

No modifications are made to the EUT during all test items.

3.4. Deviation from standards

None

3.5. Testing Site

| Laboratory Name | Shenzhen Bangce Testing Technology Co., Ltd. | |
|-------------------------|--|--|
| Laboratory Location | 101, building 10, Yunli Intelligent Park, Shutianpu community, Matian Street, Guangming District, Shenzhen, Guangdong, China | |
| Contact information | Tel: 86-755-2319 6848, email: service@cis-cn.net Website: http://www.cis-cn.net/ | |
| FCC registration number | 736346 | |
| FCC designation number | CN1372 | |



4. TEST CONFIGURATION

4.1. Test frequency list

| Lowest Channel (LCH) | Middle Channel (MCH) | Highest Channel (HCH) |
|----------------------|----------------------|-----------------------|
| (MHz) | (MHz) | (MHz) |
| 2402 | 2441 | 2480 |

4.2. Descriptions of test mode

| No | Test mode | Description |
|-----|--------------------------------|---|
| TM1 | TX-GFSK (Non-Hopping) | Keep the EUT in continuously transmitting mode (non-hopping) with GFSK modulation at lowest, middle and highest channel. |
| TM2 | TX-Pi/4DQPSK (Non- Hopping) | Keep the EUT in continuously transmitting mode (non-hopping) with Pi/4DQPSK modulation at lowest, middle and highest channel. |
| TM3 | TX-8DPSK (Non-Hopping) | Keep the EUT in continuously transmitting mode (non-hopping) with 8DPSK modulation at lowest, middle and highest channel. |
| TM4 | TX-GFSK (Hopping) | Keep the EUT in continuously transmitting mode (hopping) with GFSK modulation,. |
| TM5 | TX-Pi/4DQPSK (Hopping) | Keep the EUT in continuously transmitting mode (hopping) with Pi/4DQPSK modulation. |
| ТМ6 | TX-8DPSK (Hopping) | Keep the EUT in continuously transmitting mode (hopping) with 8DPSK modulation. |
| TM7 | Link mode | Keep the EUT in Bluetooth linking mode with AE. |
| TM8 | Charging mode | Keep the EUT in charging status |

4.3. Support unit used in test configuration

The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application.

The following peripheral devices and interface cables were connected during the measurement:

| Item | Equipment name | Trade Name | Model No. |
|------|----------------|---------------------------------------|--------------|
| 1 | Adapter | Guangdong Sangu Technology Co. ltd | SG-0501000AU |
| 2 | Phone | Huawei | NZONE S7 |

4.4. Test sample information

| Туре | Sample No. |
|-----------------|-------------------|
| Engineer sample | CISR250108036-S01 |
| Normal sample | CISR250108036-S02 |

4.5. Environmental conditions

| Туре | Requirement |
|--------------------|--------------|
| Temperature: | 15~35°C |
| Relative Humidity: | 25~75% |
| Air Pressure: | 860~1060mbar |



4.6. Equipment Used during the Test

Conducted Emission at AC power line

| | <u> </u> | | | | | |
|------|--|---------------|--------------|------------|------------------|------------|
| Item | Equipment name | Manufacturer | Model | Serial No. | Calibration date | Due date |
| 1 | EMI Test Receiver | Rohde&schwarz | ESCI7 | 100853 | 2025-01-08 | 2026-01-07 |
| 2 | Artificial power network | Schwarzbeck | NSLK812 7 | 8127-01096 | 2025-01-08 | 2026-01-07 |
| 3 | 8-wire Impedance Stabilization Network | Schwarzbeck | NTFM 8158 | 8158-00337 | 2025-01-08 | 2026-01-07 |
| 4 | Artificial power network | Schwarzbeck | ENV216 | / | 2025-01-08 | 2026-01-07 |

Dwell Time

Emissions in non-restricted frequency bands

20dB Bandwidth

Maximum Conducted Output Power

Channel Separation

Number of Hopping Frequencies

| Item | Equipment name | Manufacturer | Model | Serial No. | Calibration date | Due date |
|------|----------------------------|--------------|---------|------------------|------------------|------------|
| 1 | MXG RF Signal Generator | Agilent | N5181A | MY50145362 | 2025-01-08 | 2026-01-07 |
| 2 | Spectrum analyzer | R&S | FSV-40N | 102130 | 2025-01-08 | 2026-01-07 |
| 3 | Vector Signal Generator | Agilent | N5182A | MY50142364 | 2025-01-08 | 2026-01-07 |
| 4 | Power Meter | WCS | WCS-PM | WCSPM23040 5A | 2025-01-08 | 2026-01-07 |

Band edge emissions (Radiated)

Emissions in frequency bands (below 1GHz)

Emissions in frequency bands (above 1GHz)

| Item | Equipment name | Manufacturer | Model | Serial No. | Calibration date | Due date |
|------|------------------------|---------------|-----------------|------------------|------------------|------------|
| 1 | EMI Test Receiver | Rohde&schwarz | ESCI7 | 100853 | 2025-01-08 | 2026-01-07 |
| 2 | Amplifier | Tonscend | TAP9K3G 40 | AP23A806027 0 | 2025-01-08 | 2026-01-07 |
| 3 | Prime amplifier | Tonscend | TAP0101 8050 | AP23A806028 0 | 2025-01-08 | 2026-01-07 |
| 4 | 9*6*6 anechoic chamber | SKET | 9.3*6.3*6 | N/A | 2024-09-02 | 2027-09-01 |
| 5 | Spectrum analyzer | Agilent | N9020A | MY50530263 | 2025-01-08 | 2026-01-07 |
| 6 | Spectrum analyzer | R&S | FSV-40N | 102130 | 2025-01-08 | 2026-01-07 |
| 7 | Bilog Antenna | Schwarzbeck | VULB 9163 | 1463 | 2023-01-09 | 2026-01-08 |
| 8 | Horn Antenna | SCHWARZBECK | BBHA 9120 D | 2487 | 2023-01-09 | 2026-01-08 |



| 9 | Active Loop Antenna | SCHWARZBECK | FMZB 1519B | 1 | 2023-01-09 | 2026-01-08 |
|----|---------------------------------|-------------------|-----------------|---------------------|------------|------------|
| 10 | RF Cable | Tonscend | Cable 1 | 1 | 2025-01-08 | 2026-01-07 |
| 11 | RF Cable | Tonscend | Cable 2 | 1 | 2025-01-08 | 2026-01-07 |
| 12 | RF Cable | SKET | Cable 3 | 1 | 2025-01-08 | 2026-01-07 |
| 13 | L.I.S.N.#1 | Schwarzbeck | NSLK812 7 | 1 | 2025-01-08 | 2026-01-07 |
| 14 | L.I.S.N.#2 | ROHDE&SCHWA RZ | ENV216 | 1 | 2025-01-08 | 2026-01-07 |
| 15 | Horn Antenna | SCHWARZBECK | BBHA917 0 | 1130 | 2023-01-09 | 2026-01-08 |
| 16 | Preamplifier | Tonscend | TAP1804 0048 | AP21C806126 | 2025-01-08 | 2026-01-07 |
| 17 | Variable-frequency power source | Pinhong | PH1110 | 1 | 2025-01-08 | 2026-01-07 |
| 18 | 6dB Attenuator | SKET | DC-6G | 1 | 2025-01-08 | 2026-01-07 |
| 19 | Antenna tower | SKT | Bk-4AT- BS | AT202104010 1-V1 | 2025-01-08 | 2026-01-07 |



5. TEST RESULTS

5.1. Evaluation Results (Evaluation)

5.1.1. Antenna Requirement

Test Requirement:

Refer to 47 CFR Part 15.203, 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.

5.1.1.1. Test Result

Pass

5.1.1.2. Conclusion:

The EUT antenna is Chip(-1.3dBi), the directional gain of the antenna less than 6dBi. It comply with the standard requirement. In case of replacement of broken antenna the same antenna type must be used. Antenna structure please refer to the EUT internal photographs antenna photo.



5.2. Radio Spectrum Matter Test Results (RF)

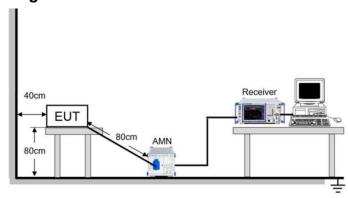
5.2.1. Conducted Emission at AC power line

| Test Requirement: | Refer to 47 CFR 15.207(a), Except as shown in paragraphs (b)and (c)of this section, for an intentional radiator 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, as measured using a 50 µH/50 ohms line impedance stabilization network (LISN). | | | | | |
|-------------------|---|--|---|--|--|--|
| | Frequency of emission (MHz) | Conducted limit (dBµV) | , | | | |
| | | Quasi-peak | Average | | | |
| Test Limit: | 0.15-0.5 | 66 to 56* | 56 to 46* | | | |
| rest Limit. | 0.5-5 | 56 | 46 | | | |
| | 5-30 | 60 | 50 | | | |
| | *Decreases with the logarithm of the frequency. | | | | | |
| Test Method: | ANSI C63.10-2020 section 6.2 | | | | | |
| Procedure: | 1. The EUT was setup according to 2. The EUT was placed on a platfor above the conducting ground plane cm to the rear of the EUT. All other so ther grounded conducting surface. 3. The EUT and simulators are consimpedances stabilization network (Loupling impedance for the measured. The peripheral devices are also conference (Refer to the block diagram of the test. Each current-carrying conductor (safety) conductor, was individually source. 6. The excess length of the power conference were folded back and forth at the cest. The excess length of the power conference in length. 7. Conducted emissions were invested 30MHz using a receiver bandwides. During the above scans, the emissions. | m of nominal size, 1 m by a The vertical conducting placer of EUT were at least nected to the main power the ISN). The LISN provides a ling equipment. It is nonnected to the main powers to set setup and photographs of the EUT power cord, except the EUT power cord, except the EUT and the lead to form a bettigated over the frequency the of 9 kHz. | 1.5 m, raised 80 cm ane was located 40 ast 80 cm from any arough a line 50 ohm /50uH er through a LISN. The cept the ground to the input power the LISN receptacle andle not exceeding arange from 0.15MHz | | | |

5.2.1.1. E.U.T. Operation

| Operating Environment: | | | | | | |
|---|-----------------|----------------|-------------------|---------|-----------------------|---------|
| Temperature: | 22.3 °C | | Humidity: | 55.1 % | Atmospheric Pressure: | 103 kPa |
| Pre test mode: | TM ² | 1, TM2, TM3, T | ГМ4, ТМ5, ТМ6, ТМ | 17, TM8 | | |
| Final test mode: TM1, TM2, TM3, TM4, TM5, TM6, TM7, TM8 | | | | | | |

5.2.1.2. Test Setup Diagram



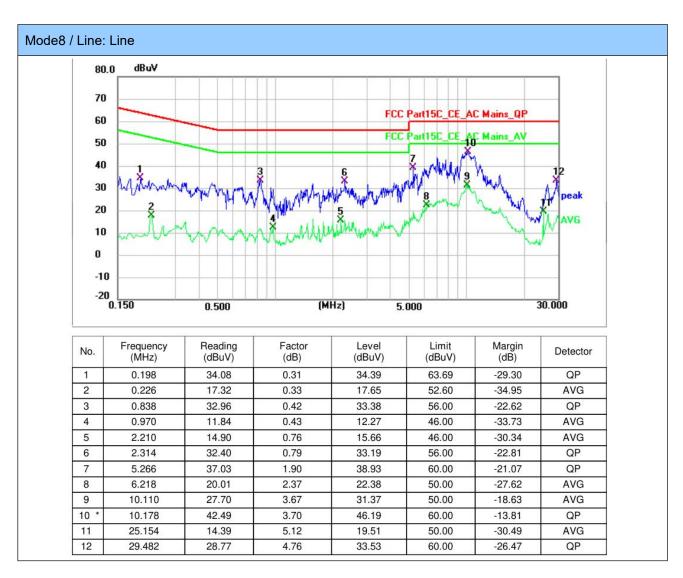
5.2.1.3. Test Result

Pass

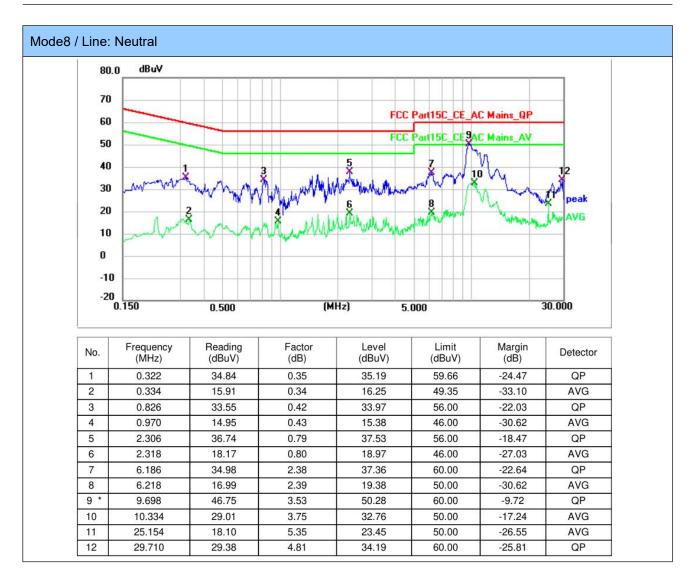
5.2.1.4. Test Data

Note:

Have pre-scan all test mode, found TM7 mode which it was worst case, so only show the worst case's data on this report.







Note:

- 1). Result = Reading +Correct (Insertion Loss + Cable Loss + Attenuator Factor)
- 2). Margin = Result Limit



5.2.2. 20dB Bandwidth

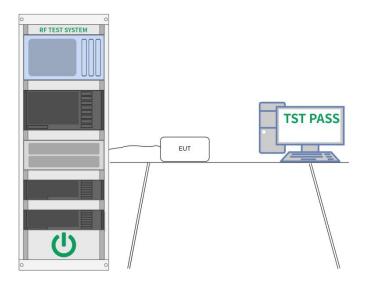
| Test Requirement: | 47 CFR 15.247(a)(1) |
|-------------------|--|
| Test Limit: | Refer to 47 CFR 15.215(c), intentional radiators operating under the alternative provisions to the general emission limits, as contained in §§ 15.217 through 15.257 and in subpart E of this part, must be designed to ensure that the 20 dB bandwidth of the emission, or whatever bandwidth may otherwise be specified in the specific rule section under which the equipment operates, is contained within the frequency band designated in the rule section under which the equipment is operated. |
| Test Method: | ANSI C63.10-2020, section 7.8.6, For occupied bandwidth measurements, use the procedure in 6.9.3. Frequency hopping shall be disabled for this test. |
| Procedure: | The occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers are each equal to 0.5% of the total mean power of the given emission. The following procedure shall be used for measuring 99% power bandwidth: a) The instrument center frequency is set to the nominal EUT channel center frequency. The frequency span for the spectrum analyzer shall be between 1.5 times and 5.0 times the OBW. b) The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1% to 5% of the OBW, and VBW shall be at least three times the RBW, unless otherwise specified by the applicable requirement. c) Set the reference level of the instrument as required, keeping the signal from exceeding the maximum input mixer level for linear operation. In general, the peak of the spectral envelope shall be more than [10 log (OBW/RBW)] below the reference level. Specific guidance is given in 4.1.6.2. d) Step a) through step c) might require iteration to adjust within the specified range. e) Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max-hold mode (until the trace stabilizes) shall be used. f) Use the 99% power bandwidth function of the instrument (if available) and report the measured bandwidth. g) If the instrument does not have a 99% power bandwidth function, then the trace data points are recovered and directly summed in linear power terms. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5% of the total is reached; that frequency is recorded as the lower frequency. The process is repeated until 99.5% of the total is reached; that frequency is recorded as the upper frequency. The 99% power bandwidth is the difference between these two frequencies. h) The occupied bandwidth shall be reported by providing spectral plot(s) of the measuring instrument display; the plot axes and the scale units per division shall be clearly label |

5.2.2.1. E.U.T. Operation

| Operating Environment: | | | | | | |
|------------------------|---------|----|-------------|--------|-----------------------|---------|
| Temperature: | 22.1 °C | | Humidity: | 55.8 % | Atmospheric Pressure: | 103 kPa |
| Pre test mode: | | TM | 1, TM2, TM3 | | | |
| Final test mode: | | TM | 1, TM2, TM3 | | | |

5.2.2.2. Test Setup Diagram





5.2.2.3. Test Result

Pass

5.2.2.4. Test Data

5.2.3. Maximum Conducted Output Power

| Test Requirement: | 47 CFR 15.247(b)(1) |
|-------------------|---|
| Test Limit: | Refer to 47 CFR 15.247(b)(1), For frequency hopping systems operating in the 2400-2483.5 MHz band employing at least 75 non-overlapping hopping channels, and all frequency hopping systems in the 5725-5850 MHz band: 1 watt. For all other frequency hopping systems in the 2400-2483.5 MHz band: 0.125 watts. |
| Test Method: | ANSI C63.10-2020, section 7.8.5 |
| Procedure: | This is an RF-conducted test to evaluate maximum peak output power. Use a direct connection between the antenna port of the unlicensed wireless device and the spectrum analyzer, through suitable attenuation. Frequency hopping shall be disabled for this test. Use the following spectrum analyzer settings: a) Span: Approximately five times the 20 dB bandwidth, centered on a hopping channel. b) RBW > 20 dB bandwidth of the emission being measured. c) VBW ≥ RBW. d) Sweep: No faster than coupled (auto) time. e) Detector function: Peak. f) Trace: Max-hold. g) Allow trace to stabilize. h) Use the marker-to-peak function to set the marker to the peak of the emission. i) The indicated level is the peak output power, after any corrections for external attenuators and cables. j) A spectral plot of the test results and setup description shall be included in the test report. NOTE—A peak responding power meter may be used, where the power meter and sensor system video bandwidth is greater than the occupied bandwidth of the unlicensed wireless device, rather than a spectrum analyzer. |

5.2.3.1. E.U.T. Operation

| Operating Environment: | | | | | | |
|------------------------|---------|----|-------------|--------|-----------------------|---------|
| Temperature: | 22.1 °C | | Humidity: | 55.8 % | Atmospheric Pressure: | 103 kPa |
| Pre test mode: T | | TM | 1, TM2, TM3 | | | |
| Final test mode: | | TM | 1, TM2, TM3 | | | |

5.2.3.2. Test Setup Diagram



5.2.3.3. Test Result

Pass

5.2.3.4. Test Data

5.2.4. Channel Separation

| Test Requirement: | 47 CFR 15.247(a)(1) |
|-------------------|--|
| Test Limit: | Refer to 47 CFR 15.247(a)(1), Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater. Alternatively, frequency hopping systems operating in the 2400-2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater, provided the systems operate with an output power no greater than 125 mW. |
| Test Method: | ANSI C63.10-2020, section 7.8.2 |
| Procedure: | The EUT shall have its hopping function enabled. Use the following spectrum analyzer settings: a) Span: Wide enough to capture the peaks of two adjacent channels. b) RBW: Start with the RBW set to approximately 30% of the channel spacing; adjust as necessary to best identify the center of each individual channel. c) Video (or average) bandwidth (VBW) ≥ RBW. d) Sweep: No faster than coupled (auto) time. e) Detector function: Peak. f) Trace: Max-hold. g) Allow the trace to stabilize. Use the marker-delta function to determine the separation between the peaks of the adjacent channels. Compliance of an EUT with the appropriate regulatory limit shall be determined. A spectral plot of the data shall be included in the test report. |

5.2.4.1. E.U.T. Operation

| Operating Environment: | | | | | | | | | |
|------------------------|---------|----|-------------|--------|-----------------------|---------|--|--|--|
| Temperature: | 22.1 °C |) | Humidity: | 55.8 % | Atmospheric Pressure: | 103 kPa | | | |
| Pre test mode: | | TM | 4, TM5, TM6 | | | | | | |
| Final test mode | e: | TM | 4, TM5, TM6 | | | | | | |

5.2.4.2. Test Setup Diagram



5.2.4.3. Test Result

Pass

5.2.4.4. Test Data

5.2.5. Number of Hopping Frequencies

| Test Requirement: | 47 CFR 15.247(a)(1)(iii) |
|-------------------|--|
| Test Limit: | Refer to 47 CFR 15.247(a)(1)(iii), Fequency hopping systems in the 2400-2483.5 MHz band shall use at least 15 channels. The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed. Frequency hopping systems may avoid or suppress transmissions on a particular hopping frequency provided that a minimum of 15 channels are used. |
| Test Method: | ANSI C63.10-2020, section 7.8.3 |
| Procedure: | The EUT shall have its hopping function enabled. Use the following spectrum analyzer settings: a) Span: The frequency band of operation. Depending on the number of channels the device supports, it could be necessary to divide the frequency range of operation across multiple spans, to allow the individual channels to be clearly seen. b) RBW: To identify clearly the individual channels, set the RBW to less than 30% of the channel spacing or the 20 dB bandwidth, whichever is smaller. c) VBW ≥ RBW. d) Sweep: No faster than coupled (auto) time. e) Detector function: Peak. f) Trace: Max-hold. g) Allow the trace to stabilize. It might prove necessary to break the span up into subranges to show clearly all of the hopping frequencies. Compliance of an EUT with the appropriate regulatory limit shall be determined for the number of hopping channels. A spectral plot of the data shall be included in the test report. |

5.2.5.1. E.U.T. Operation

| Operating Environment: | | | | | | | | | |
|------------------------|---------|----|-------------|--------|-----------------------|---------|--|--|--|
| Temperature: | 22.1 °C | ; | Humidity: | 55.8 % | Atmospheric Pressure: | 103 kPa | | | |
| Pre test mode: | | TM | 4, TM5, TM6 | | | | | | |
| Final test mode | e: | TM | 4, TM5, TM6 | | | | | | |

5.2.5.2. Test Setup Diagram



5.2.5.3. Test Result

Pass

5.2.5.4. Test Data





5.2.6. Dwell Time

| Test Requirement: | 47 CFR 15.247(a)(1)(iii) |
|--------------------------|--|
| Test Limit: | Refer to 47 CFR 15.247(a)(1)(iii), Frequency hopping systems in the 2400-2483.5 MHz band shall use at least 15 channels. The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed. Frequency hopping systems may avoid or suppress transmissions on a particular hopping frequency provided that a minimum of 15 channels are used. |
| Test Method: | ANSI C63.10-2020, section 7.8.4 |
| Test Method: Procedure: | provided that a minimum of 15 channels are used. ANSI C63.10-2020, section 7.8.4 The dwell time per hop on a channel is the time from the start of the first transmission to the end of the last transmission for that hop. If the device has a single transmission per hop then the dwell time is the duration of that transmission. If the device has a multiple transmissions per hop then the dwell time is measured from the start of the first transmission to the end of the last transmission. The time of occupancy is the total time that the device dwells on a channel over an observation period specified in the regulatory requirement. To determine the time of occupancy the spectrum analyzer will be configured to measure both the dwell time per hop and the number of times the device transmits on a specific channel in a given period. The EUT shall have its hopping function enabled. Compliance with the requirements shall be made with the minimum and with the maximum number of channels than compliance with the requirements may be based on the minimum number of channels. If the device supports different dwell times per channel (example Bluetooth devices can dwell on a channel for 1, 3 or 5 time slots) then measurements can be limited to the longest dwell time with the minimum number of channels. Use the following spectrum analyzer settings to determine the dwell time per hop: a) Span: Zero span, centered on a hopping channel. b) RBW shall be ≤ channel spacing and where possible RBW should be set >> 1 / T, where T is the expected transmission time per hop. c) Sweep time: Set so that the start of the first transmission and end of the last transmission for the hop are clearly captured. Setting the sweep time to be slightly longer than the hopping period per channel (hopping period = 1/hopping rate) should achieve this. d) Use a video trigger, where possible with a trigger delay, so that the start of the transmission is clearly observed. The trigger level might need adjustment to reduce the chance of triggering when the sys |
| | determine the average time of occupancy. Count the number of hops on the channel across the sweep time. The average number of hops on the same channel within the regulatory observation period is calculated from the number of hops on the channel divided by the spectrum analyzer sweep time multiplied by the regulatory observation period. For example, if three hops are counted with an analyzer sweep time of 500 ms and |



the regulatory observation period is 10 s, then the number of hops in that ten seconds is $3/0.5 \times 10$, or 60 hops.

The average time of occupancy is calculated by multiplying the dwell time per hop by the number of hops in the observation period.

5.2.6.1. E.U.T. Operation

| Operating Environment: | | | | | | | | | | |
|------------------------|----|----|-------------|--------|-----------------------|---------|--|--|--|--|
| Temperature: 22.1 °C | | | Humidity: | 55.8 % | Atmospheric Pressure: | 103 kPa | | | | |
| Pre test mode: | | TM | 4, TM5, TM6 | | | | | | | |
| Final test mode | э: | TM | 4, TM5, TM6 | | | | | | | |

5.2.6.2. Test Setup Diagram



5.2.6.3. Test Result

Pass

5.2.6.4. Test Data



5.2.7. Conducted band edge and spurious emission

| Test Requirement: | 47 CFR 15.247(d), 15.209, 15.205 |
|-------------------|--|
| Test Limit: | Refer to 47 CFR 15.247(d), In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in § 15.209(a) is not required. |
| Test Method: | ANSI C63.10-2020 section 7.8.7 |
| | 7.8.7.1 General considerations To demonstrate compliance with the relative out-of-band emissions requirements conducted spurious emissions shall be measured for the transmit frequencies, per 5.5 and 5.6, and at the maximum transmit powers. Frequency hopping shall be disabled for this test with the exception of measurements at the allocated bandedges which shall be repeated with hopping enabled. |
| | Connect the primary antenna port through an attenuator to the spectrum analyzer input; in the results, account for all losses between the unlicensed wireless device output and the spectrum analyzer. The frequency range of testing shall span 30 MHz to 10 times the operating frequency and this may be done in a single sweep or, to aid resolution, across a number of sweeps. The resolution bandwidth shall be 100 kHz, video bandwidth 300 kHz, and a coupled sweep time with a peak detector. |
| | The limit is based on the highest in-band level across all channels measured using the same instrument settings (resolution bandwidth of 100 kHz, video bandwidth of 300 kHz, and a coupled sweep time with a peak detector). To help clearly demonstrate compliance a display line may be set at the required offset (typically 20 dB) below the highest in-band level. Where the highest in-band level is not clearly identified in the out-of-band measurements a separate spectral plot showing the in-band level shall be provided. |
| Procedure: | When conducted measurements cannot be made (for example a device with integrated, non-removable antenna) radiated measurements shall be used. The reference level for determining the limit shall be established by maximizing the field strength from the highest power channel and measuring using the resolution and video bandwidth settings and peak detector as described above. The field strength limit for spurious emissions outside of restricted-bands shall then be set at the required offset (typically 20 dB) below the highest in-band level. Radiated measurements will follow the standards measurement procedures described in Clause 6 with the exception that the resolution bandwidth shall be 100 kHz, video bandwidth 300 kHz, and a coupled sweep time with a peak detector. Note that use of wider measurement bandwidths are acceptable for measuring the spurious emissions provided that the peak detector is used and that the measured value of spurious emissions are compared to the highest in-band level measured with the 100 kHz / 300 kHz bandwidth settings to determine compliance. |
| | 7.8.7.2 Band-edges Compliance with a relative limit at the band-edges (e.g., -20 dBc) shall be made on the lowest and on the highest channels with frequency hopping disabled and repeated with frequency hopping enabled. For the latter test the hopping sequence shall include the lowest and highest channels. For measurements with the hopping disabled the analyzer screen shall clearly |
| | show compliance with the requirement within 10 MHz of the allocated band-edge. |



For measurements with the hopping enabled the analyzer screen shall clearly show compliance with the requirement within 10 MHz of both of the allocated bandedges. This could require separate spectral plots for each band-edge.

5.2.7.1. E.U.T. Operation

| Operating Environment: | | | | | | | | | | |
|------------------------|----------------------|----------------|----------------|---------------|-----------------------|---------|--|--|--|--|
| Temperature: | Temperature: 22.1 °C | | Humidity: | 55.8 % | Atmospheric Pressure: | 103 kPa | | | | |
| Pre test mode: | | TM1 | 1, TM2, TM3, 7 | ΓM4, TM5, TM6 | | | | | | |
| Final test mode | TM1 | 1, TM2, TM3, T | ΓM4, TM5, TM6 | | | | | | | |

5.2.7.2. Test Setup Diagram



5.2.7.3. Test Result

Pass

5.2.7.4. Test Data

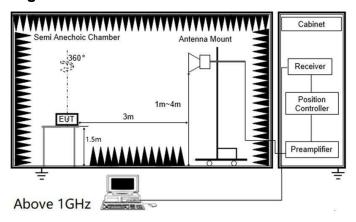
5.2.8. Radiated band edge emission

| Test Requirement: | Refer to 47 CFR 15.247(d), In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a)(see § 15.205(c)).` | | | | | | |
|-------------------|--|--|--|--|--|--|--|
| | Frequency (MHz) | Field strength (microvolts/meter) | Measurement distance (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 | | | | |
| Toot Limits | 216-960 | 200 ** | 3 | | | | |
| Test Limit: | Above 960 | 500 | 3 | | | | |
| | these frequency bands is permitted under other sections of this part, e.g., §§ 15.231 and 15.241. In the emission table above, the tighter limit applies at the band edges. The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9–90 kHz, 110–490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector. | | | | | | |
| Test Method: | ANSI C63.10-2020 section | 6.10 | | | | | |
| Procedure: | The EUT is placed on a table is rotated 360 degrees level. The EUT waspositioned meters. The antenna is scanned emission level. Thisis repeatantenna. In order to find the manipulated according to A. Use the following spectrum a) Span shall wide enough b) Set RBW=1MHz, VBW=3. Trace=max hold for Peak meters. | to fully capture the emission being BMHz for >1GHz, Sweep time=aut leasurement use duty cycle correction factor m | naximum emission na to the EUT was 3 ut the maximum il polarization of the rface cables were ment. g measured to, Detector=peak, | | | | |

5.2.8.1. E.U.T. Operation

| Operating Environment: | | | | | | | | | | |
|---|-------|-----------|--|--|---------|--|--|--|--|--|
| Temperature: | 22 °C | Humidity: | Humidity: 55.1 % Atmospheric Pressure: | | 102 kPa | | | | | |
| Pre test mode: TM1, TM2, TM3, TM4, TM5, TM6, TM7, TM8 | | | | | | | | | | |
| Final test mode: TM1, TM2, TM3, TM4, TM5, TM6, TM7, TM8 | | | | | | | | | | |

5.2.8.2. Test Setup Diagram



5.2.8.3. Test Result

Pass



5.2.8.4. Test Data

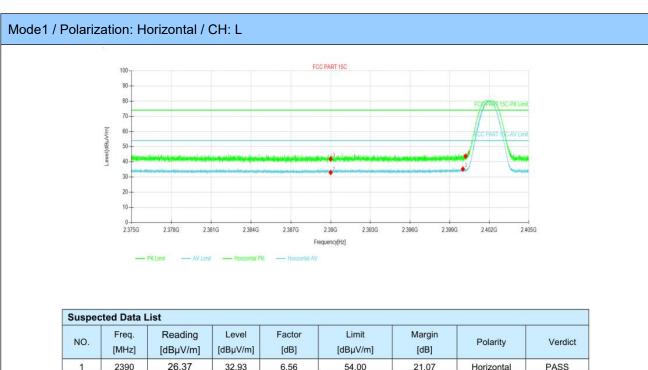
Note:

- Level= Reading + Factor; Factor = Antenna Factor+ Cable Loss- Preamp Factor 1)
- Margin = Limit Level 2)
- 3) Average measurement was not performed if peak level is lower than average limit
- The other emission levels were very low against the limit.

Have pre-scan all test mode, found TM1 mode which it was worst case, so only show the worst case's data on this report.

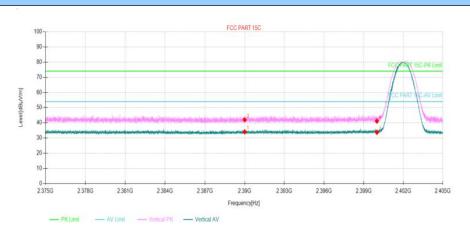
The boards on the left and right side of the glasses are mirrored, and we did a difference test.

LEFT:





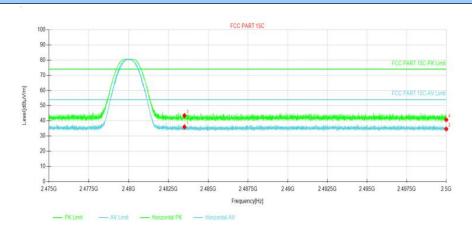
Mode1 / Polarization: Vertical / CH: L



| Suspected Data List | | | | | | | | | | |
|---------------------|----------------|---------------------|-------------------|----------------|-------------------|----------------|----------|---------|--|--|
| NO. | Freq. [MHz] | Reading [dBµV/m] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Polarity | Verdict | | |
| 1 | 2390 | 27.47 | 34.03 | 6.56 | 54.00 | 19.97 | Vertical | PASS | | |
| 2 | 2400.00 | 27.13 | 33.74 | 6.61 | 54.00 | 20.26 | Vertical | PASS | | |
| 3 | 2390 | 35.43 | 41.99 | 6.56 | 74.00 | 32.01 | Vertical | PASS | | |
| 4 | 2400.00 | 34.51 | 41.12 | 6.61 | 74.00 | 32.88 | Vertical | PASS | | |



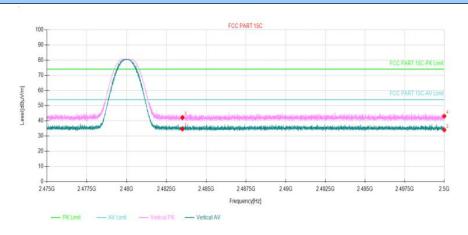
Mode1 / Polarization: Horizontal / CH: H



| Suspected Data List | | | | | | | | | | | |
|---------------------|----------------|---------------------|-------------------|----------------|-------------------|----------------|------------|---------|--|--|--|
| NO. | Freq. [MHz] | Reading [dBµV/m] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Polarity | Verdict | | | |
| 1 | 2483.5 | 29.43 | 35.99 | 6.56 | 54.00 | 18.01 | Horizontal | PASS | | | |
| 2 | 2500 | 28.07 | 34.62 | 6.55 | 54.00 | 19.38 | Horizontal | PASS | | | |
| 3 | 2483.5 | 36.91 | 43.47 | 6.56 | 74.00 | 30.53 | Horizontal | PASS | | | |
| 4 | 2500 | 34.14 | 40.69 | 6.55 | 74.00 | 33.31 | Horizontal | PASS | | | |



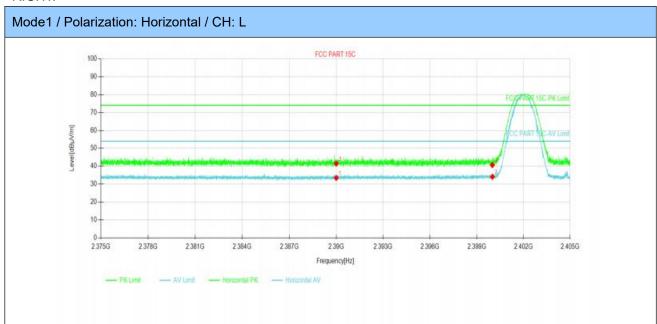
Mode1 / Polarization: Vertical / CH: H



| Suspected Data List | | | | | | | | | | |
|---------------------|----------------|---------------------|-------------------|----------------|-------------------|----------------|----------|---------|--|--|
| NO. | Freq. [MHz] | Reading [dBµV/m] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Polarity | Verdict | | |
| 1 | 2483.5 | 28.09 | 34.65 | 6.56 | 54.00 | 19.35 | Vertical | PASS | | |
| 2 | 2500 | 27.45 | 34.00 | 6.55 | 54.00 | 20.00 | Vertical | PASS | | |
| 3 | 2483.5 | 35.57 | 42.13 | 6.56 | 74.00 | 31.87 | Vertical | PASS | | |
| 4 | 2500 | 36.53 | 43.08 | 6.55 | 74.00 | 30.92 | Vertical | PASS | | |

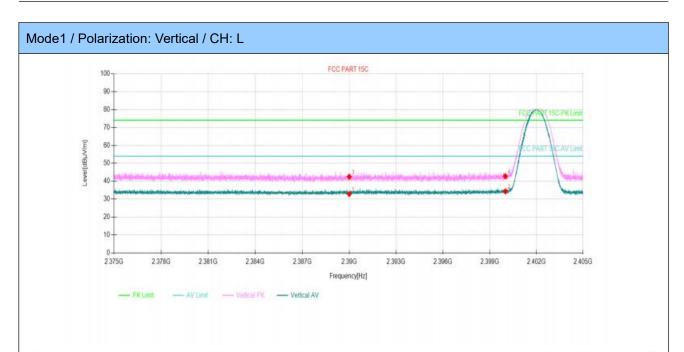


RIGHT:



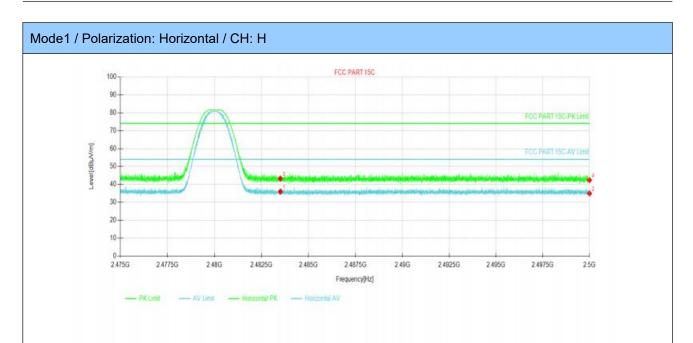
| Suspected Data List | | | | | | | | |
|---------------------|----------------|------------------|-------------------|----------------|-------------------|----------------|------------|---------|
| NO. | Freq. [MHz] | Reading [dBµV/m] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Polarity | Verdict |
| 1 | 2390 | 26.91 | 33.47 | 6.56 | 54.00 | 20.53 | Horizontal | PASS |
| 2 | 2400.00 | 27.50 | 34.11 | 6.61 | 54.00 | 19.89 | Horizontal | PASS |
| 3 | 2390 | 34.91 | 41.47 | 6.56 | 74.00 | 32.53 | Horizontal | PASS |
| 4 | 2400.00 | 34.05 | 40.66 | 6.61 | 74.00 | 33.34 | Horizontal | PASS |





| Suspe | cted Data L | .ist | we are | | et ti | | | |
|-------|----------------|------------------|-------------------|----------------|-------------------|----------------|----------|---------|
| NO. | Freq. [MHz] | Reading [dBµV/m] | Level [dBµV/m] | Factor [dB] | Limit [dBµ√/m] | Margin [dB] | Polarity | Verdict |
| 1 | 2390 | 26.26 | 32.82 | 6.56 | 54.00 | 21.18 | Vertical | PASS |
| 2 | 2400.00 | 27.75 | 34.36 | 6.61 | 54.00 | 19.64 | Vertical | PASS |
| 3 | 2390 | 35.97 | 42.53 | 6.56 | 74.00 | 31.47 | Vertical | PASS |
| 4 | 2400.00 | 36.21 | 42.82 | 6.61 | 74.00 | 31.18 | Vertical | PASS |





| Suspe | cted Data L | ist | | | | | | |
|-------|----------------|------------------|-------------------|----------------|-------------------|----------------|------------|---------|
| NO. | Freq. [MHz] | Reading [dBµV/m] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Polarity | Verdict |
| 1 | 2483.5 | 29.41 | 35.97 | 6.56 | 54.00 | 18.03 | Horizontal | PASS |
| 2 | 2500 | 28.42 | 34.97 | 6.55 | 54.00 | 19.03 | Horizontal | PASS |
| 3 | 2483.5 | 36.67 | 43.23 | 6.56 | 74.00 | 30.77 | Horizontal | PASS |
| 4 | 2500 | 35.84 | 42.39 | 6.55 | 74.00 | 31.61 | Horizontal | PASS |



Mode1 / Polarization: Vertical / CH: H FCC PART 15C 90-80-70-40-30 20-0 2.475G 2.4775G 2.48G 2.4825G 2.485G 2.4875G 2.49G 2.4925G 2.495G 2.4975G

Frequency[Hz]

- PK Limit - AV Limit - Vertical PK - Vertical AV

| Suspe | cted Data L | .ist | | | | | | |
|-------|----------------|---------------------|-------------------|----------------|-------------------|----------------|----------|---------|
| NO. | Freq. [MHz] | Reading [dBµV/m] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Polarity | Verdict |
| 1 | 2483.5 | 28.98 | 35.54 | 6.56 | 54.00 | 18.46 | Vertical | PASS |
| 2 | 2500 | 29.77 | 36.32 | 6.55 | 54.00 | 17.68 | Vertical | PASS |
| 3 | 2483.5 | 36.96 | 43.52 | 6.56 | 74.00 | 30.48 | Vertical | PASS |
| 4 | 2500 | 36.16 | 42.71 | 6.55 | 74.00 | 31.29 | Vertical | PASS |

5.2.9. Radiated Spurious Emission (below 1GHz)

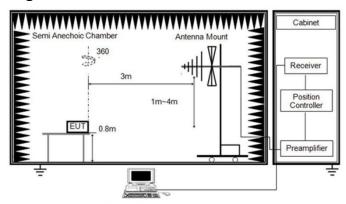
| Test Requirement: | restricted bands, as defined | In addition, radiated emissions whin § 15.205(a), must also comply § 15.209(a)(see § 15.205(c)).` | | | | | |
|-------------------|---|---|-------------------------------|--|--|--|--|
| | Frequency (MHz) | Field strength (microvolts/meter) | Measurement distance (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 | | | | |
| Tarak Ulimatia | 216-960 | 200 ** | 3 | | | | |
| Test Limit: | Above 960 | 500 | 3 | | | | |
| | 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g., §§ 15.231 and 15.241. In the emission table above, the tighter limit applies at the band edges. The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9–90 kHz, 110–490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector. | | | | | | |
| Test Method: | ANSI C63.10-2020 section 6.6.4 | | | | | | |
| Procedure: | 1. The EUT was setup and tested according to ANSI C63.10. 2. The EUT is placed on a turn table which is 0.8 meter above ground for below 1 GHz, and 1.5 m for above 1 GHz. The turn table is rotated 360 degrees to determine the position of the maximum emission level. 3. The EUT was set 3 meters from the receiving antenna, which was mounted on the top of a variable height antenna tower. 4. For each suspected emission, 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 to comply with the guidelines. 5. Set to the maximum power setting and enable the EUT transmit continuously. 6. Use the following spectrum analyzer settings a) Span shall wide enough to fully capture the emission being measured; b) RBW=120 kHz, VBW=300 kHz, Sweep=auto, Detector function=peak, Trace=max hold; 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. | | | | | | |

5.2.9.1. E.U.T. Operation

| Operating Environment: | | | | | | | | | | |
|------------------------|-------|----|----------------|-------------------|-----------------------|---------|--|--|--|--|
| Temperature: | 22 °C | | Humidity: | 55.1 % | Atmospheric Pressure: | 102 kPa | | | | |
| Pre test mode: | | TM | 1, TM2, TM3, T | ГМ4, ТМ5, ТМ6, ТМ | 17, TM8 | | | | | |
| Final test mode: | | TM | 1, TM2, TM3, 1 | ГМ4, ТМ5, ТМ6, ТМ | 17, TM8 | | | | | |



5.2.9.2. Test Setup Diagram



Below 1 GHz and above 30 MHz

5.2.9.3. Test Result

Pass

5.2.9.4. Test Data

Note:

- 1) Level= Reading + Factor/Transd; Factor/Transd = Antenna Factor+ Cable Loss- Preamp Factor
- 2) Margin = Limit Level
- Average measurement was not performed if peak level is lower than average limit(54 dBuV/m) for above 1GHz.
- 4) The other emission levels were very low against the limit.
- 5) This test was performed with EUT in X, Y, Z position and the worse case was found when EUT in X position.

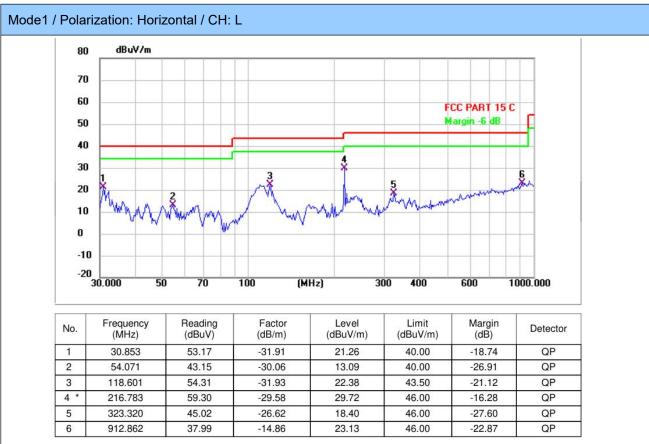
For 9 kHz ~ 30 MHz

The EUT was pre-scanned this frequency band, found the radiated level 20dB lower than the limit, so don't show data on this report.

For 30 MHz ~ 1000 MHz

Have pre-scan all test mode, found TM1 mode which it was worst case, so only show the worst case's data on this report.

LEFT:





50

70

100

Mode1 / Polarization: Vertical / CH: L 80 dBuV/m 70 60 FCC PART 15 C Margin -6 dB 50 40 30 20 10 0 -10

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|--------------------|-------------------|---------------|-------------------|-------------------|----------------|----------|
| 1 | 41.132 | 54.46 | -30.44 | 24.02 | 40.00 | -15.98 | QP |
| 2 | 82.938 | 57.53 | -34.35 | 23.18 | 40.00 | -16.82 | QP |
| 3 | 108.267 | 56.34 | -30.58 | 25.76 | 43.50 | -17.74 | QP |
| 4 | 216.783 | 57.33 | -29.58 | 27.75 | 46.00 | -18.25 | QP |
| 5 | 314.376 | 49.33 | -26.69 | 22.64 | 46.00 | -23.36 | QP |
| 6 * | 952.094 | 48.66 | -13.99 | 34.67 | 46.00 | -11.33 | QP |

(MHz)

300

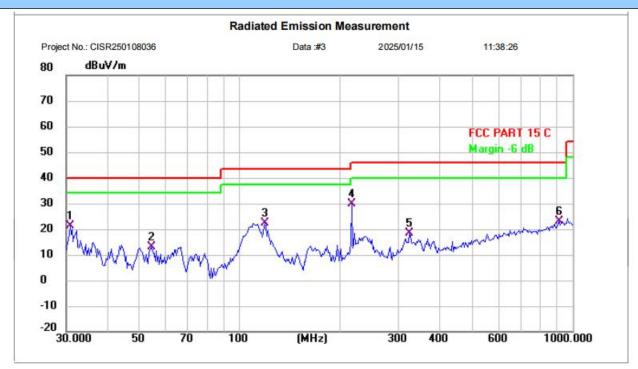
400

600

1000.000

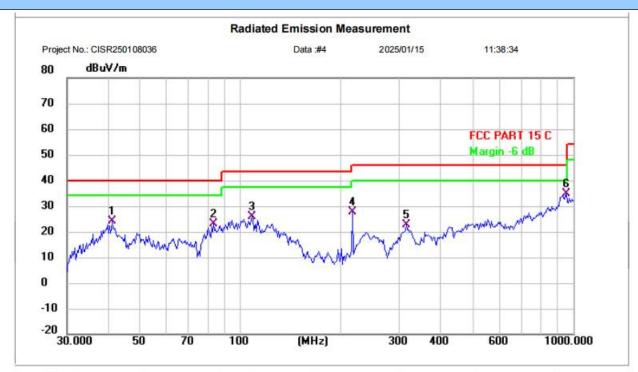
RIGHT:

Mode1 / Polarization: Horizontal / CH: L



| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|--------------------|-------------------|------------------|-------------------|-------------------|----------------|----------|
| 1 | 30.853 | 53.17 | -31.91 | 21.26 | 40.00 | -18.74 | QP |
| 2 | 54.071 | 43.15 | -30.06 | 13.09 | 40.00 | -26.91 | QP |
| 3 | 118.601 | 54.31 | -31.93 | 22.38 | 43.50 | -21.12 | QP |
| 4 * | 216.783 | 59.30 | -29.58 | 29.72 | 46.00 | -16.28 | QP |
| 5 | 323.320 | 45.02 | -26.62 | 18.40 | 46.00 | -27.60 | QP |
| 6 | 912.862 | 37.99 | -14.86 | 23.13 | 46.00 | -22.87 | QP |

Mode1 / Polarization: Vertical / CH: L



| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|--------------------|-------------------|------------------|-------------------|-------------------|----------------|----------|
| 1 | 41.132 | 54.46 | -30.44 | 24.02 | 40.00 | -15.98 | QP |
| 2 | 82.938 | 57.53 | -34.35 | 23.18 | 40.00 | -16.82 | QP |
| 3 | 108.267 | 56.34 | -30.58 | 25.76 | 43.50 | -17.74 | QP |
| 4 | 216.783 | 57.33 | -29.58 | 27.75 | 46.00 | -18.25 | QP |
| 5 | 314.376 | 49.33 | -26.69 | 22.64 | 46.00 | -23.36 | QP |
| 6 * | 952.094 | 48.66 | -13.99 | 34.67 | 46.00 | -11.33 | QP |

Note:

1) For 9 kHz ~ 30 MHz Measurement

The EUT was pre-scanned this frequency band, found the radiated level 20dB lower than the limit, so don't show data on this report.

- 2) Level= Reading + Factor; Factor = Antenna Factor+ Cable Loss- Preamp Factor
- 3) Margin = Limit Level

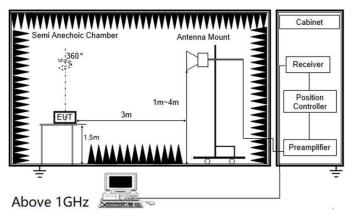
5.2.10. Radiated Spurious Emission (Above 1GHz)

| Test Requirement: | | sions which fall in the restricte ply with the radiated emission)).` | | | | | |
|-------------------|---|--|--|--|--|--|--|
| | Frequency (MHz) | Field strength (microvolts/meter) | Measurement distance (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 | | | | |
| To at 1 insite | 216-960 | 200 ** | 3 | | | | |
| Test Limit: | Above 960 | 500 | 3 | | | | |
| | 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation withir these frequency bands is permitted under other sections of this part, e.g., §§ 15.231 and 15.241. In the emission table above, the tighter limit applies at the band edges. The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9–90 kHz 110–490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector. | | | | | | |
| Test Method: | ANSI C63.10-2020 section 6.6.4 | | | | | | |
| Procedure: | 2. The EUT is placed on a GHz, and 1.5 m for above determine the position of 3. The EUT was set 3 methe top of a variable heigh 4. For each suspected entune the Antenna tower (fidegrees) to find the maximor the test in order to get 5. Set to the maximum po 6. Use the following spect a) Span shall wide enough b) Set RBW=1MHz, VBW Trace=max hold for Peak | rission, the EUT was arranged from 1 m to 4 m) and turntable num reading. A pre-amp and a better signal level to comply w wer setting and enable the EU rum analyzer settings in to fully capture the emission =3MHz for >1GHz, Sweep tim measurement t: use duty cycle correction fa | above ground for below 1 ted 360 degrees to a, which was mounted on It to its worst case and then (from 0 degree to 360 a high pass filter are used with the guidelines. JT transmit continuously. being measured; ne=auto, Detector=peak, | | | | |

5.2.10.1. E.U.T. Operation

| Operating Envi | Operating Environment: | | | | | | | | | | |
|-----------------|---|----------------|-------------------|---------|-----------------------|---------|--|--|--|--|--|
| Temperature: | 22 °C | | Humidity: | 55.1 % | Atmospheric Pressure: | 102 kPa | | | | | |
| Pre test mode: | Pre test mode: TM1, TM2, TM3, TM4, TM5, TM6, TM7, TM8 | | | | | | | | | | |
| Final test mode | TM | 1, TM2, TM3, T | TM4, TM5, TM6, TM | 17, TM8 | | | | | | | |

5.2.10.2. Test Setup Diagram



5.2.10.3. Test Result

Pass

5.2.10.4. Test Data

12

17844.7

33.13

46.16

13.03

74.00

27.84

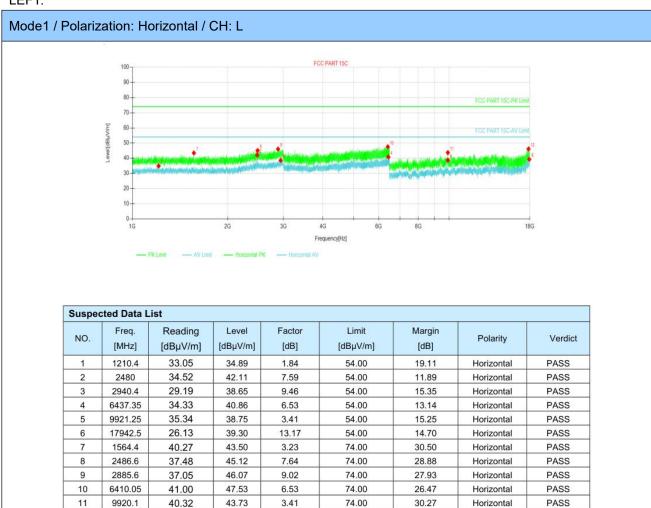
Horizontal

PASS

For 1 GHz ~ 25 GHz

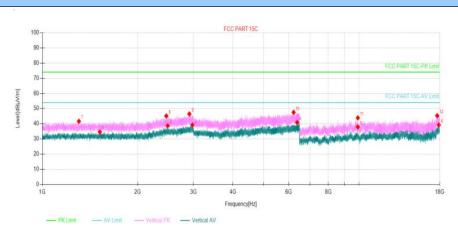
Have pre-scan all test mode, found TM1 mode which it was worst case, so only show the worst case's data on this report.

LEFT:





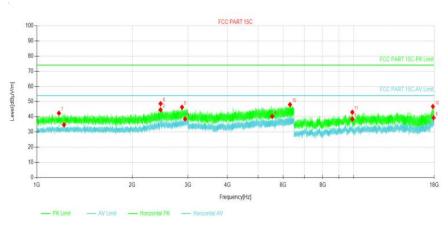
Mode1 / Polarization: Vertical / CH: L



| NO. | Freq. [MHz] | Reading [dBµV/m] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Polarity | Verdict |
|-----|----------------|---------------------|-------------------|----------------|-------------------|----------------|----------|---------|
| 1 | 1519 | 31.32 | 34.55 | 3.23 | 54.00 | 19.45 | Vertical | PASS |
| 2 | 2488.6 | 31.06 | 38.71 | 7.65 | 54.00 | 15.29 | Vertical | PASS |
| 3 | 2978.2 | 29.45 | 39.23 | 9.78 | 54.00 | 14.77 | Vertical | PASS |
| 4 | 6380.65 | 34.47 | 40.87 | 6.40 | 54.00 | 13.13 | Vertical | PASS |
| 5 | 9921.25 | 34.49 | 37.90 | 3.41 | 54.00 | 16.10 | Vertical | PASS |
| 6 | 17885 | 26.28 | 39.21 | 12.93 | 54.00 | 14.79 | Vertical | PASS |
| 7 | 1304.4 | 39.22 | 41.65 | 2.43 | 74.00 | 32.35 | Vertical | PASS |
| 8 | 2463.6 | 37.68 | 45.15 | 7.47 | 74.00 | 28.85 | Vertical | PASS |
| 9 | 2912.4 | 37.26 | 46.49 | 9.23 | 74.00 | 27.51 | Vertical | PASS |
| 10 | 6218.95 | 41.84 | 47.53 | 5.69 | 74.00 | 26.47 | Vertical | PASS |
| 11 | 9920.1 | 40.50 | 43.91 | 3.41 | 74.00 | 30.09 | Vertical | PASS |
| 12 | 17661.9 | 33.25 | 45.35 | 12.10 | 74.00 | 28.65 | Vertical | PASS |



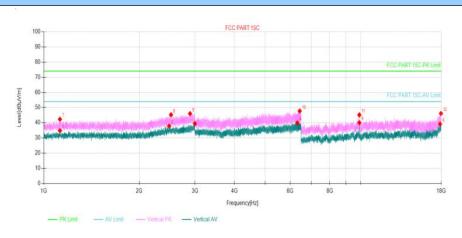
Mode1 / Polarization: Horizontal / CH: M



| Suspe | cted Data L | .ist | 200 | | | | 0.0 | |
|-------|----------------|---------------------|-------------------|----------------|-------------------|----------------|------------|---------|
| NO. | Freq. [MHz] | Reading [dBµV/m] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Polarity | Verdict |
| 1 | 1218.6 | 32.85 | 34.74 | 1.89 | 54.00 | 19.26 | Horizontal | PASS |
| 2 | 2458.2 | 37.16 | 44.59 | 7.43 | 54.00 | 9.41 | Horizontal | PASS |
| 3 | 2940.2 | 29.10 | 38.56 | 9.46 | 54.00 | 15.44 | Horizontal | PASS |
| 4 | 5537.15 | 36.96 | 40.26 | 3.30 | 54.00 | 13.74 | Horizontal | PASS |
| 5 | 9921.25 | 35.11 | 38.52 | 3.41 | 54.00 | 15.48 | Horizontal | PASS |
| 6 | 17922.9 | 26.32 | 39.36 | 13.04 | 54.00 | 14.64 | Horizontal | PASS |
| 7 | 1174.4 | 40.75 | 42.35 | 1.60 | 74.00 | 31.65 | Horizontal | PASS |
| 8 | 2459.6 | 41.20 | 48.64 | 7.44 | 74.00 | 25.36 | Horizontal | PASS |
| 9 | 2874.2 | 37.37 | 46.31 | 8.94 | 74.00 | 27.69 | Horizontal | PASS |
| 10 | 6302.25 | 42.17 | 48.06 | 5.89 | 74.00 | 25.94 | Horizontal | PASS |
| 11 | 9920.1 | 39.63 | 43.04 | 3.41 | 74.00 | 30.96 | Horizontal | PASS |
| 12 | 17826.3 | 33.70 | 46.77 | 13.07 | 74.00 | 27.23 | Horizontal | PASS |



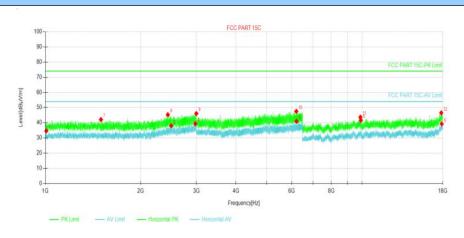
Mode1 / Polarization: Vertical / CH: M



| NO. | Freq. [MHz] | Reading [dBµV/m] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Polarity | Verdict |
|-----|----------------|------------------|-------------------|----------------|-------------------|----------------|----------|---------|
| 1 | 1124.2 | 33.55 | 34.80 | 1.25 | 54.00 | 19.20 | Vertical | PASS |
| 2 | 2487 | 30.22 | 37.86 | 7.64 | 54.00 | 16.14 | Vertical | PASS |
| 3 | 2999 | 29.49 | 39.45 | 9.96 | 54.00 | 14.55 | Vertical | PASS |
| 4 | 6316.25 | 33.89 | 39.88 | 5.99 | 54.00 | 14.12 | Vertical | PASS |
| 5 | 9921.25 | 36.66 | 40.07 | 3.41 | 54.00 | 13.93 | Vertical | PASS |
| 6 | 17857.4 | 26.15 | 39.15 | 13.00 | 54.00 | 14.85 | Vertical | PASS |
| 7 | 1124 | 41.07 | 42.32 | 1.25 | 74.00 | 31.68 | Vertical | PASS |
| 8 | 2521.8 | 37.64 | 45.28 | 7.64 | 74.00 | 28.72 | Vertical | PASS |
| 9 | 2895.8 | 36.94 | 46.03 | 9.09 | 74.00 | 27.97 | Vertical | PASS |
| 10 | 6429.3 | 41.24 | 47.77 | 6.53 | 74.00 | 26.23 | Vertical | PASS |
| 11 | 9920.1 | 41.80 | 45.21 | 3.41 | 74.00 | 28.79 | Vertical | PASS |
| 12 | 17960.9 | 32.87 | 46.15 | 13.28 | 74.00 | 27.85 | Vertical | PASS |



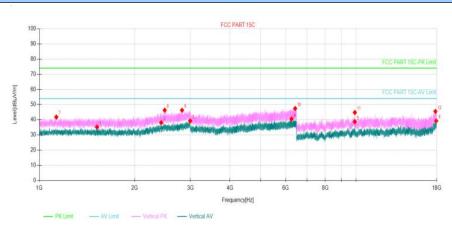
Mode1 / Polarization: Horizontal / CH: H



| NO. | Freq. [MHz] | Reading [dBµV/m] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Polarity | Verdict |
|-----|----------------|------------------|-------------------|----------------|-------------------|----------------|------------|---------|
| 1 | 1007.4 | 34.75 | 34.71 | -0.04 | 54.00 | 19.29 | Horizontal | PASS |
| 2 | 2496.8 | 30.28 | 38.00 | 7.72 | 54.00 | 16.00 | Horizontal | PASS |
| 3 | 2975.6 | 29.63 | 39.39 | 9.76 | 54.00 | 14.61 | Horizontal | PASS |
| 4 | 6210.9 | 35.29 | 40.96 | 5.67 | 54.00 | 13.04 | Horizontal | PASS |
| 5 | 9921.25 | 38.29 | 41.70 | 3.41 | 54.00 | 12.30 | Horizontal | PASS |
| 6 | 17871.2 | 26.30 | 39.26 | 12.96 | 54.00 | 14.74 | Horizontal | PASS |
| 7 | 1498.2 | 38.87 | 42.10 | 3.23 | 74.00 | 31.90 | Horizontal | PASS |
| 8 | 2436.8 | 38.03 | 45.30 | 7.27 | 74.00 | 28.70 | Horizontal | PASS |
| 9 | 2998.4 | 36.12 | 46.08 | 9.96 | 74.00 | 27.92 | Horizontal | PASS |
| 10 | 6204.95 | 41.86 | 47.51 | 5.65 | 74.00 | 26.49 | Horizontal | PASS |
| 11 | 9886.75 | 40.24 | 43.68 | 3.44 | 74.00 | 30.32 | Horizontal | PASS |
| 12 | 17806.8 | 33.42 | 46.54 | 13.12 | 74.00 | 27.46 | Horizontal | PASS |

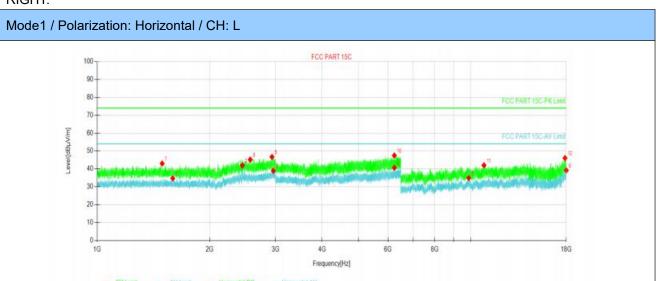


Mode1 / Polarization: Vertical / CH: H



| NO. | Freq. [MHz] | Reading [dBµV/m] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Polarity | Verdict |
|-----|----------------|------------------|-------------------|----------------|-------------------|----------------|----------|---------|
| 1 | 1521.6 | 31.93 | 35.16 | 3.23 | 54.00 | 18.84 | Vertical | PASS |
| 2 | 2426.2 | 30.87 | 38.06 | 7.19 | 54.00 | 15.94 | Vertical | PASS |
| 3 | 2994.4 | 29.36 | 39.28 | 9.92 | 54.00 | 14.72 | Vertical | PASS |
| 4 | 6261.65 | 34.72 | 40.51 | 5.79 | 54.00 | 13.49 | Vertical | PASS |
| 5 | 9921.25 | 35.34 | 38.75 | 3.41 | 54.00 | 15.25 | Vertical | PASS |
| 6 | 17935.6 | 26.16 | 39.28 | 13.12 | 54.00 | 14.72 | Vertical | PASS |
| 7 | 1131.4 | 40.49 | 41.79 | 1.30 | 74.00 | 32.21 | Vertical | PASS |
| 8 | 2488.4 | 38.67 | 46.32 | 7.65 | 74.00 | 27.68 | Vertical | PASS |
| 9 | 2822.8 | 37.71 | 46.30 | 8.59 | 74.00 | 27.70 | Vertical | PASS |
| 10 | 6425.45 | 40.89 | 47.42 | 6.53 | 74.00 | 26.58 | Vertical | PASS |
| 11 | 9920.1 | 41.39 | 44.80 | 3.41 | 74.00 | 29.20 | Vertical | PASS |
| 12 | 17827.5 | 32.44 | 45.51 | 13.07 | 74.00 | 28.49 | Vertical | PASS |

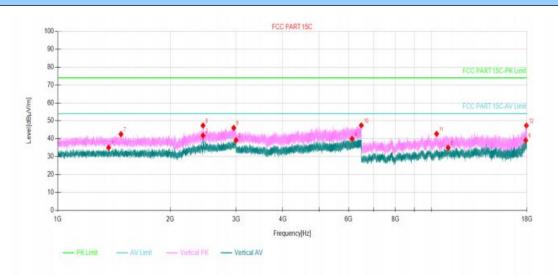
RIGHT:



| NO. | Freq. [MHz] | Reading [dBµV/m] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Polarity | Verdict |
|-----|----------------|------------------|-------------------|----------------|-------------------|----------------|------------|---------|
| 1 | 1593 | 31.50 | 34.73 | 3.23 | 54.00 | 19.27 | Horizontal | PASS |
| 2 | 2445.8 | 34.60 | 41.93 | 7.33 | 54.00 | 12.07 | Horizontal | PASS |
| 3 | 2959.2 | 29.34 | 38.96 | 9.62 | 54.00 | 15.04 | Horizontal | PASS |
| 4 | 6240.65 | 34.87 | 40.61 | 5.74 | 54.00 | 13.39 | Horizontal | PASS |
| 5 | 9863.75 | 31.54 | 34.93 | 3.39 | 54.00 | 19.07 | Horizontal | PASS |
| 6 | 17998.8 | 25.68 | 39.20 | 13.52 | 54.00 | 14.80 | Horizontal | PASS |
| 7 | 1492.2 | 39.81 | 43.02 | 3.21 | 74.00 | 30.98 | Horizontal | PASS |
| 8 | 2567.6 | 37.79 | 45.21 | 7.42 | 74.00 | 28.79 | Horizontal | PASS |
| 9 | 2935.4 | 37.28 | 46.70 | 9.42 | 74.00 | 27.30 | Horizontal | PASS |
| 10 | 6239.25 | 41.77 | 47.50 | 5.73 | 74.00 | 26.50 | Horizontal | PASS |
| 11 | 10840.1 | 37.17 | 42.01 | 4.84 | 74.00 | 31.99 | Horizontal | PASS |
| 12 | 17860.8 | 33.07 | 46.06 | 12.99 | 74.00 | 27.94 | Horizontal | PASS |



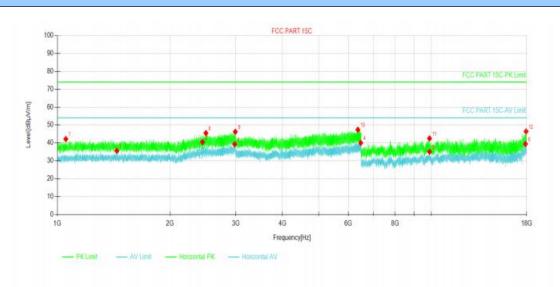
Mode1 / Polarization: Vertical / CH: L



| NO. | Freq. [MHz] | Reading [dBµV/m] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Polarity | Verdict |
|-----|----------------|------------------|-------------------|----------------|-------------------|----------------|----------|---------|
| 1 | 1367.4 | 32.27 | 35.03 | 2.76 | 54.00 | 18.97 | Vertical | PASS |
| 2 | 2446.4 | 34.46 | 41.80 | 7.34 | 54.00 | 12.20 | Vertical | PASS |
| 3 | 2998.4 | 29.23 | 39.19 | 9.96 | 54.00 | 14.81 | Vertical | PASS |
| 4 | 6126.55 | 34.48 | 39.93 | 5.45 | 54.00 | 14.07 | Vertical | PASS |
| 5 | 11071.2 | 30.21 | 34.95 | 4.74 | 54.00 | 19.05 | Vertical | PASS |
| 6 | 17868.9 | 26.13 | 39.10 | 12.97 | 54.00 | 14.90 | Vertical | PASS |
| 7 | 1475.4 | 39.38 | 42.54 | 3.16 | 74.00 | 31.46 | Vertical | PASS |
| 8 | 2446.2 | 40.03 | 47.37 | 7.34 | 74.00 | 26.63 | Vertical | PASS |
| 9 | 2956.4 | 36.47 | 46.07 | 9.60 | 74.00 | 27.93 | Vertical | PASS |
| 10 | 6485.65 | 40.93 | 47.46 | 6.53 | 74.00 | 26.54 | Vertical | PASS |
| 11 | 10314.5 | 38.51 | 42.74 | 4.23 | 74.00 | 31.26 | Vertical | PASS |
| 12 | 17939.0 | 34.24 | 47.38 | 13.14 | 74.00 | 26.62 | Vertical | PASS |

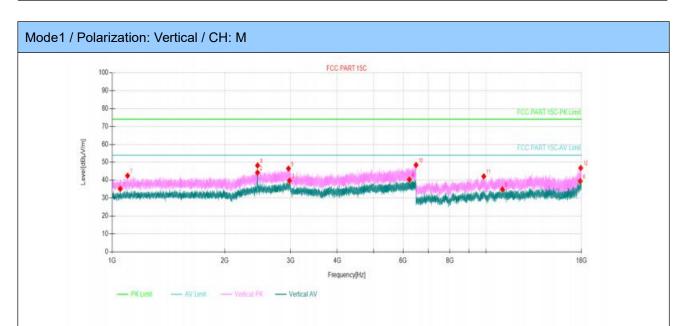


Mode1 / Polarization: Horizontal / CH: M



| NO. | Freq. [MHz] | Reading [dBµV/m] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Polarity | Verdict |
|-----|----------------|------------------|-------------------|----------------|-------------------|----------------|------------|---------|
| 1 | 1441.2 | 32.53 | 35.59 | 3.06 | 54.00 | 18.41 | Horizontal | PASS |
| 2 | 2443.6 | 33.19 | 40.51 | 7.32 | 54.00 | 13.49 | Horizontal | PASS |
| 3 | 2978.6 | 29.47 | 39.26 | 9.79 | 54.00 | 14.74 | Horizontal | PASS |
| 4 | 6473.75 | 33.50 | 40.03 | 6.53 | 54.00 | 13.97 | Horizontal | PASS |
| 5 | 9890.2 | 31.63 | 35.07 | 3.44 | 54.00 | 18.93 | Horizontal | PASS |
| 6 | 17866.6 | 26.47 | 39.44 | 12.97 | 54.00 | 14.56 | Horizontal | PASS |
| 7 | 1053 | 41.64 | 42.16 | 0.52 | 74.00 | 31.84 | Horizontal | PASS |
| 8 | 2495 | 37.82 | 45.52 | 7.70 | 74.00 | 28.48 | Horizontal | PASS |
| 9 | 2990.4 | 36.36 | 46.25 | 9.89 | 74.00 | 27.75 | Horizontal | PASS |
| 10 | 6361.05 | 41.09 | 47.37 | 6.28 | 74.00 | 26.63 | Horizontal | PASS |
| 11 | 9889.05 | 39.08 | 42.52 | 3.44 | 74.00 | 31.48 | Horizontal | PASS |
| 12 | 17926.4 | 33.36 | 46.42 | 13.06 | 74.00 | 27.58 | Horizontal | PASS |

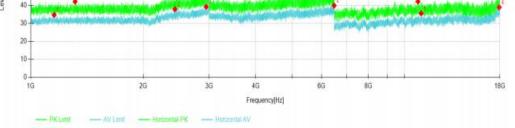




| NO. | Freq. [MHz] | Reading [dBµV/m] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Polarity | Verdict |
|-----|----------------|------------------|-------------------|----------------|-------------------|----------------|----------|---------|
| 1 | 1050.6 | 34.68 | 35.17 | 0.49 | 54.00 | 18.83 | Vertical | PASS |
| 2 | 2446.2 | 36.92 | 44.26 | 7.34 | 54.00 | 9.74 | Vertical | PASS |
| 3 | 2978.8 | 29.95 | 39.74 | 9.79 | 54.00 | 14.26 | Vertical | PASS |
| 4 | 6231.9 | 34.62 | 40.34 | 5.72 | 54.00 | 13.66 | Vertical | PASS |
| 5 | 11055.1 | 30.16 | 34.85 | 4.69 | 54.00 | 19.15 | Vertical | PASS |
| 6 | 17868.9 | 26.50 | 39.47 | 12.97 | 54.00 | 14.53 | Vertical | PASS |
| 7 | 1099.2 | 41.43 | 42.51 | 1.08 | 74.00 | 31.49 | Vertical | PASS |
| 8 | 2447.4 | 40.88 | 48.23 | 7.35 | 74.00 | 25.77 | Vertical | PASS |
| 9 | 2960.8 | 36.87 | 46.51 | 9.64 | 74.00 | 27.49 | Vertical | PASS |
| 10 | 6494.05 | 41.95 | 48.48 | 6.53 | 74.00 | 25.52 | Vertical | PASS |
| 11 | 9856.85 | 38.76 | 42.13 | 3.37 | 74.00 | 31.87 | Vertical | PASS |
| 12 | 17909.1 | 33.85 | 46.80 | 12.95 | 74.00 | 27.20 | Vertical | PASS |

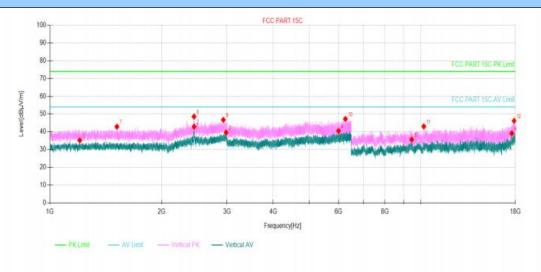


Mode1 / Polarization: Horizontal / CH: H FCC PART ISC FCC PART ISC FCC PART ISC PK LIMIT FCC PART ISC-XV LIMIT



| Suspected Data List | | | | | | | | |
|---------------------|----------------|---------------------|-------------------|----------------|-------------------|----------------|------------|---------|
| NO. | Freq. [MHz] | Reading [dBµV/m] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Polarity | Verdict |
| 1 | 1154.8 | 33.32 | 34.78 | 1.46 | 54.00 | 19.22 | Horizontal | PASS |
| 2 | 2432 | 30.73 | 37.96 | 7.23 | 54.00 | 16.04 | Horizontal | PASS |
| 3 | 2946.2 | 29.79 | 39.30 | 9.51 | 54.00 | 14.70 | Horizontal | PASS |
| 4 | 6481.45 | 33.46 | 39.99 | 6.53 | 54.00 | 14.01 | Horizontal | PASS |
| 5 | 11081.6 | 30.90 | 35.67 | 4.77 | 54.00 | 18.33 | Horizontal | PASS |
| 6 | 17927.5 | 25.98 | 39.05 | 13.07 | 54.00 | 14.95 | Horizontal | PASS |
| 7 | 1314 | 39.77 | 42.25 | 2.48 | 74.00 | 31.75 | Horizontal | PASS |
| 8 | 2557.8 | 38.32 | 45.78 | 7.46 | 74.00 | 28.22 | Horizontal | PASS |
| 9 | 2946 | 38.15 | 47.66 | 9.51 | 74.00 | 26.34 | Horizontal | PASS |
| 10 | 5875.6 | 43.02 | 47.81 | 4.79 | 74.00 | 26.19 | Horizontal | PASS |
| 11 | 10864.2 | 37.46 | 42.27 | 4.81 | 74.00 | 31.73 | Horizontal | PASS |
| 12 | 17906.8 | 32.34 | 45.28 | 12.94 | 74.00 | 28.72 | Horizontal | PASS |

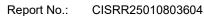
Mode1 / Polarization: Vertical / CH: H



| NO. | Freq. [MHz] | Reading [dBµV/m] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Polarity | Verdict |
|-----|----------------|------------------|-------------------|----------------|-------------------|----------------|----------|---------|
| 1 | 1203.2 | 33.42 | 35.21 | 1.79 | 54.00 | 18.79 | Vertical | PASS |
| 2 | 2446.2 | 35.61 | 42.95 | 7.34 | 54.00 | 11.05 | Vertical | PASS |
| 3 | 2983.6 | 29.79 | 39.62 | 9.83 | 54.00 | 14.38 | Vertical | PASS |
| 4 | 6000.55 | 35.24 | 40.51 | 5.27 | 54.00 | 13.49 | Vertical | PASS |
| 5 | 9448.6 | 32.51 | 35.61 | 3.10 | 54.00 | 18.39 | Vertical | PASS |
| 6 | 17591.7 | 26.75 | 39.14 | 12.39 | 54.00 | 14.86 | Vertical | PASS |
| 7 | 1514.8 | 39.64 | 42.87 | 3.23 | 74.00 | 31.13 | Vertical | PASS |
| 8 | 2445.4 | 41.22 | 48.55 | 7.33 | 74.00 | 25.45 | Vertical | PASS |
| 9 | 2933 | 37.34 | 46.74 | 9.40 | 74.00 | 27.26 | Vertical | PASS |
| 10 | 6260.95 | 41.45 | 47.24 | 5.79 | 74.00 | 26.76 | Vertical | PASS |
| 11 | 10186.9 | 39.48 | 43.03 | 3.55 | 74.00 | 30.97 | Vertical | PASS |
| 12 | 17852.8 | 33.18 | 46.19 | 13.01 | 74.00 | 27.81 | Vertical | PASS |

Note:

- 1) Level= Reading + Factor; Factor = Antenna Factor+ Cable Loss- Preamp Factor
- 2) Margin = Limit Level
- 3) Average measurement was not performed if peak level is lower than average limit (54dBuV/m) for above 1GHz.





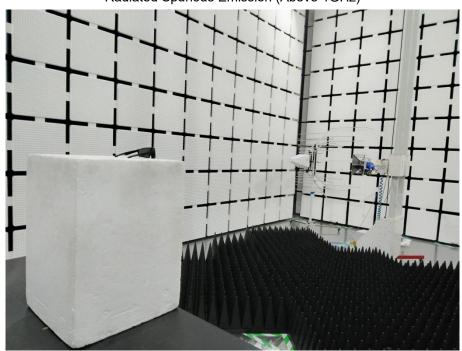
6. TEST SETUP PHOTOS

Conducted Emission at AC power line



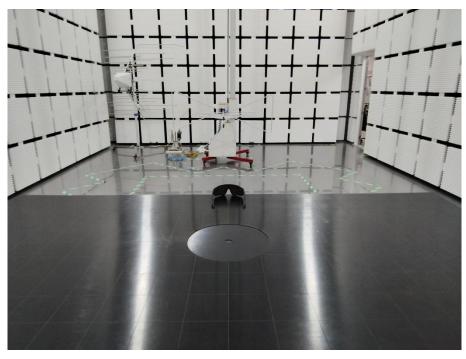
20dB Bandwidth

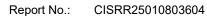
Radiated band edge emission Radiated Spurious Emission (Above 1GHz)













7. EXTERNAL AND INTERNAL PHOTOS

7.1. External Photos

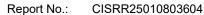
























7.2. Internal Photos









