

4.6. Conducted Band Edge and Spurious Emission Measurement

Test Specification

| Test Requirement: | FCC Part15 C Section 15.247 (d) |
|-------------------|---|
| Test Method: | KDB 558074 D01 15.247 Meas Guidance v05r02 |
| 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 testing follows FCC KDB Publication 558074 D01 15.247 Meas Guidance v05r02. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. 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 |

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Test Instruments

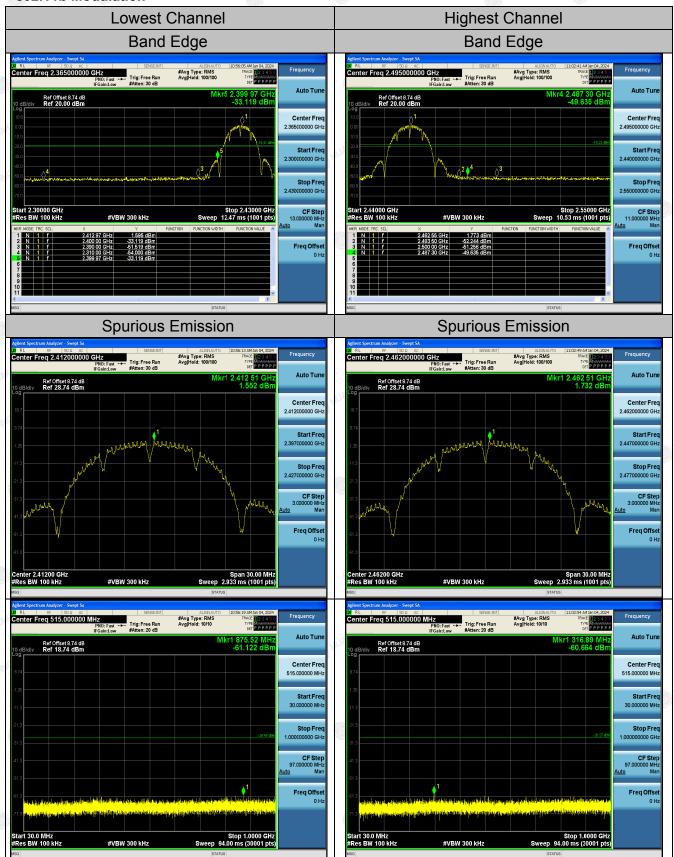
| | RF Test Room | | | | | | | | | | |
|----------------------------|--------------|----------------------------|---------------|---------------------|--------------------|--|--|--|--|--|--|
| Equipment | Manufacturer | Model | Serial Number | Calibration Date | Calibration Due | | | | | | |
| Spectrum analyzer | Agilent | N9020A | HKE-048 | Feb. 17, 2023 | Feb. 16, 2024 | | | | | | |
| High pass filter unit | Tonscend | JS0806-F | HKE-055 | Feb. 17, 2023 | Feb. 16, 2024 | | | | | | |
| RF Cable (9KHz-26.5GHz) | Tonscend | 170660 | N/A | Feb. 17, 2023 | Feb. 16, 2024 | | | | | | |
| RF automatic control unit | Tonscend | JS0806-2 | HKE-060 | Feb. 17, 2023 | Feb. 16, 2024 | | | | | | |
| RF test software | Tonscend | JS1120-B Version 2.6 | HKE-083 | N/A | N/A | | | | | | |

Note: The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).

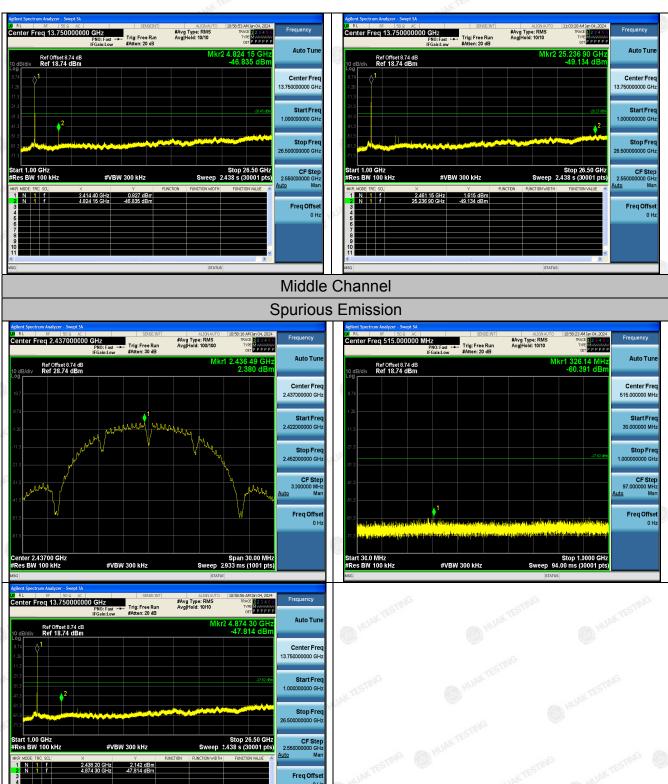
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Test Data

802.11b Modulation



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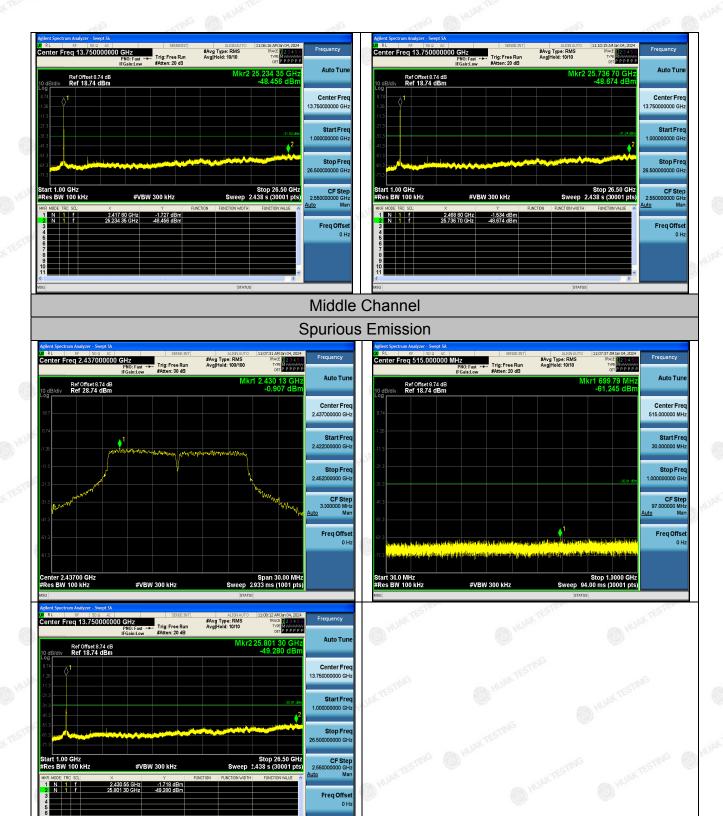


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802.11g Modulation

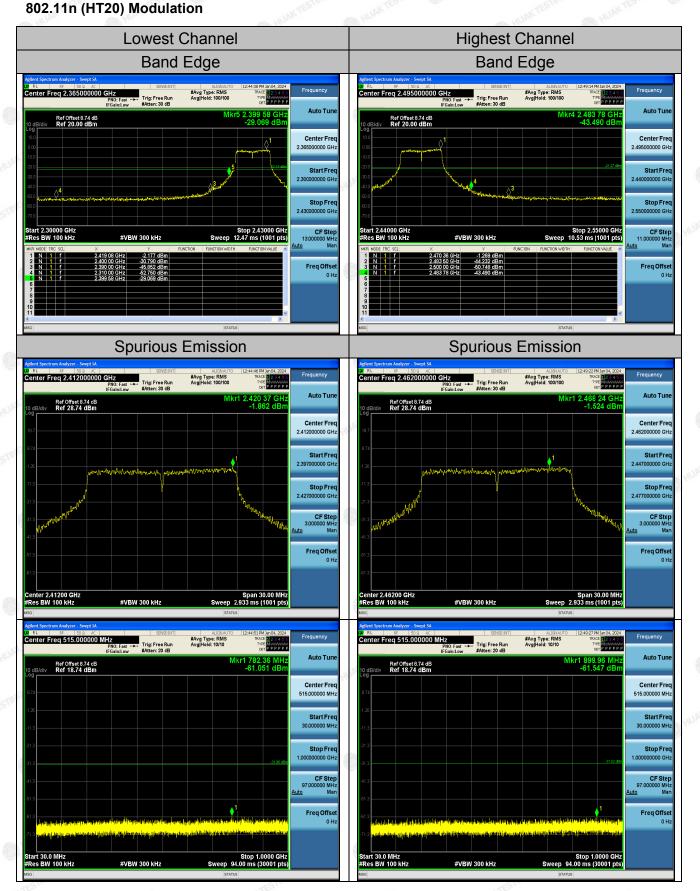


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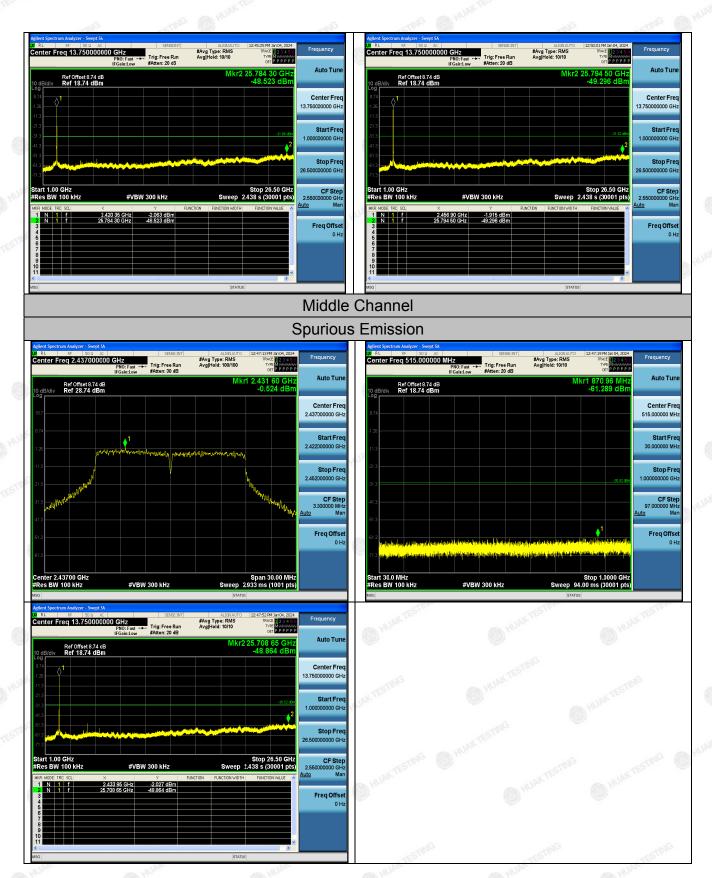
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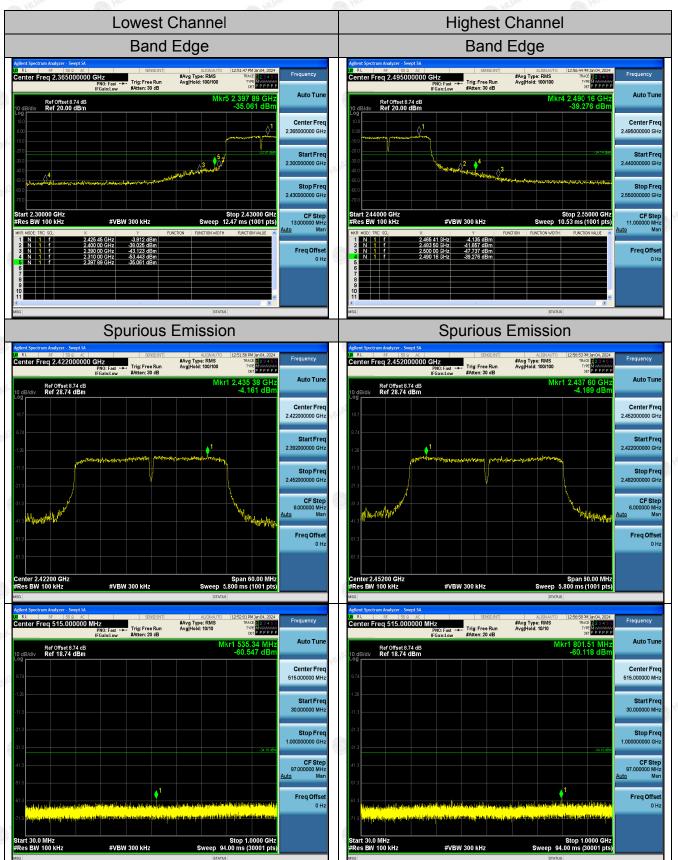
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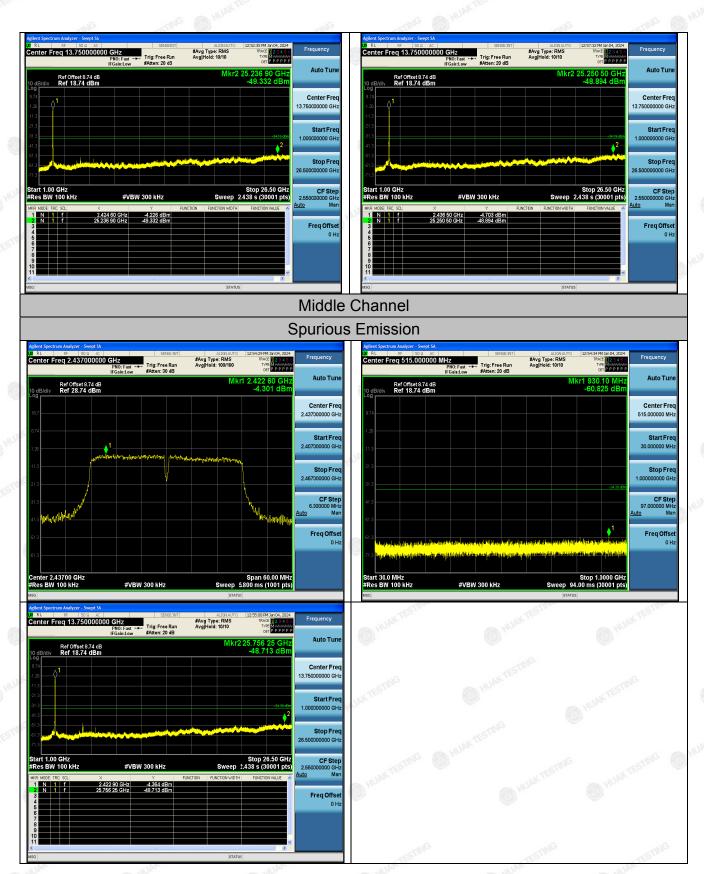
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802.11n (HT40) Modulation



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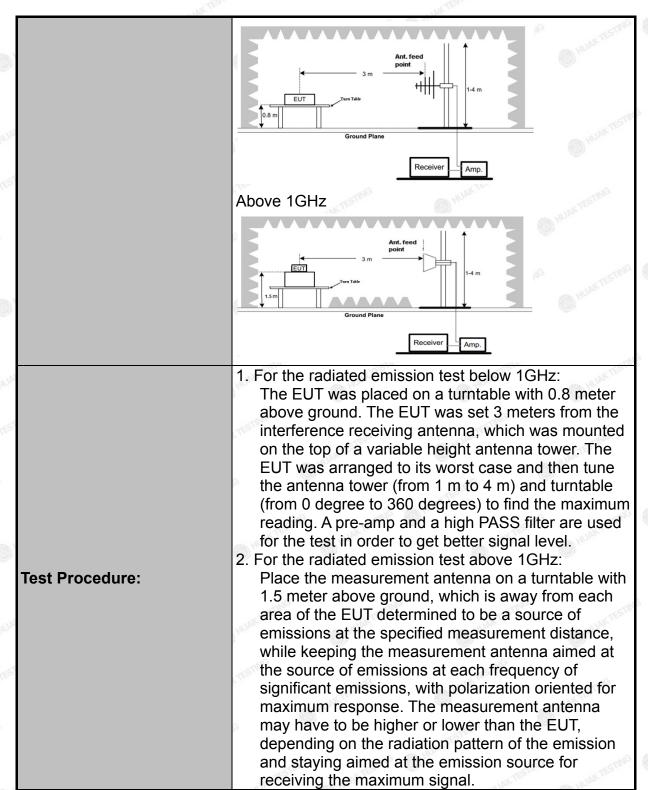
4.7. Radiated Spurious Emission Measurement

Test Specification

| Test Requirement: | FCC Part15 | C Section | on ' | 15.209 | TESTI | JG. | TESTI |
|-----------------------|------------------|-----------|-----------------------------------|-----------------------------------|-------------|----------------------------------|---------------|
| Test Method: | ANSI C63.10 | 0: 2013 | | 6 | HUAR | | HUAN |
| Frequency Range: | 9 kHz to 25 (| GHz | | | TING | | |
| Measurement Distance: | 3 m | TESTING | | HU | TK LED. | | TESTING |
| Antenna Polarization: | Horizontal & | Vertical | | | | 0 | HOPE |
| Operation mode: | Transmitting | mode w | /ith | modulati | on | | |
| | Frequency | Detecto | or | RBW | VBW | STING | Remark |
| | 9kHz- 150kHz | Quasi-pe | | 200Hz | 1kHz | | si-peak Value |
| Receiver Setup: | 150kHz- 30MHz | Quasi-pe | ak | 9kHz | 30kHz | Quas | si-peak Value |
| · | 30MHz-1GHz | Quasi-pe | ak | 120KHz | 300KHz | Quas | si-peak Value |
| | Above 1GHz | Peak | STING | 1MHz | 3MHz | Р | eak Value |
| | Above IGIIZ | Peak | | 1MHz | 10Hz | Ave | erage Value |
| | Frequency | | | 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 | | | 30 100 | | 30 | |
| | 30-88 88-216 | | | 150 | | 3 | |
| Limit: | 216-96 | | N.G | 200 | | | 3 (155) |
| | Above 9 | 1.000 | | 500 | THAK F | | 3 |
| | 7,5570 555 | | | | | | |
| | Frequency | | Field Strengtl (microvolts/met | | - I Illetan | | Detector |
| | MAK FEB | MAKE | 500 | | 3 | . • / | Average |
| | Above 1GHz | Z (()) | 5000 | | 3 | | Peak |
| Test setup: | For radiated | emissio | ns | below 30 | -NG | | JAK TESTING |
| | 30MHz to 10 | SHz | | Rec | eiver | | |

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|---------------|---|--|--|--|---|
| | that w measu emissi from 1 ground 3. Correct Read 4. For me of the lower level v measu detect 5. Use the (1) Spa em (2) Set Sw ma (3) Set pea 6.For ave cycle is duty cy minimu transmi power o | hich maximizarement anterions shall be m to 4 m about plane. ted Reading: Level - Prean asurement be EUT measure than the apployill be reported following span shall wide its less than the asurement will be an about plane is less than the asurement will be reported following span shall wide its less than the asurement will be as a shall wide its less than the asurement will be a shall wide its less than the asurement will be a shall wide its less than the asurement will be a shall with the asurement will be a shall will be | es the emission a elevation restricted to ove the ground and Factor = elow 1GHz, ed by the period led. Otherwise repeated ed. ectrum analy enough to fineasured; Hz for f < 10 etector function 98 percent. In 98 percent on duration of its transmitting enough to fine enough to f | sions. The n for maxing range ound or reference ctor + Cabbe Level of the emission of the peak of the peak of the peak of the peak of the emissing the object of the peak of t | mum f heights of rence ble Loss + ssion level or is 3 dB emission quasi-peak ngs: e the V ≥RBW; ak; Trace = 1 GHz for when duty T, when is the n the naximum |
| Test results: | PASS | | | | |

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Test Instruments

| 165 | Rad | iated Emission | Test Site (966 |) | 1807 |
|------------------------|--------------|--------------------|------------------|---------------------|--------------------|
| Name of Equipment | Manufacturer | Model | Serial Number | Calibration Date | Calibration Due |
| Receiver | R&S | ESR-7 | HKE-010 | Feb. 17, 2023 | Feb. 16, 2024 |
| Spectrum analyzer | Agilent | N9020A | HKE-048 | Feb. 17, 2023 | Feb. 16, 2024 |
| Spectrum analyzer | R&S | FSP40 | HKE-025 | Feb. 17, 2023 | Feb. 16, 2024 |
| High gain antenna | Schwarzbeck | LB-180400KF | HKE-054 | Feb. 17, 2023 | Feb. 16, 2024 |
| Preamplifier | Schwarzbeck | BBV 9743 | HKE-006 | Feb. 17, 2023 | Feb. 16, 2024 |
| Preamplifier | EMCI | EMC051845S E | HKE-015 | Feb. 17, 2023 | Feb. 16, 2024 |
| Preamplifier | Agilent | 83051A | HKE-016 | Feb. 17, 2023 | Feb. 16, 2024 |
| Loop antenna | Schwarzbeck | FMZB 1519 B | HKE-014 | Feb. 17, 2023 | Feb. 16, 2024 |
| Broadband antenna | Schwarzbeck | VULB 9163 | HKE-012 | Feb. 17, 2023 | Feb. 16, 2024 |
| Horn antenna | Schwarzbeck | 9120D | HKE-013 | Feb. 17, 2023 | Feb. 16, 2024 |
| High pass filter unit | Tonscend | JS0806-F | HKE-055 | Feb. 17, 2023 | Feb. 16, 2024 |
| Antenna Mast | Keleto | CC-A-4M | N/A | N/A | N/A |
| Position controller | Taiwan MF | MF7802 | HKE-011 | Feb. 17, 2023 | Feb. 16, 2024 |
| Radiated test software | Tonscend | TS+ Rev 2.5.0.0 | HKE-082 | N/A | N/A |
| RF cable | Times | 9kHz-1GHz | HKE-117 | Feb. 17, 2023 | Feb. 16, 2024 |
| RF cable | Times | 1-40G | HKE-034 | Feb. 17, 2023 | Feb. 16, 2024 |
| Horn Antenna | Schewarzbeck | BBHA 9170 | HKE-017 | Feb. 17, 2023 | Feb. 16, 2024 |

Note: The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).

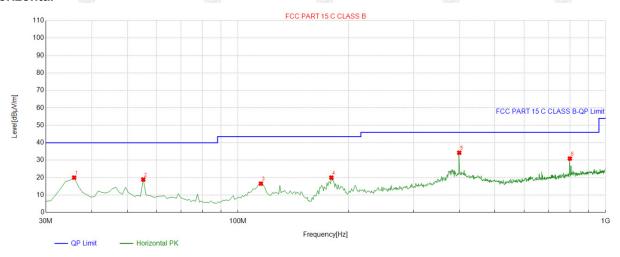
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Test Data

All the test modes completed for test. only the worst result of (802.11b at 2412MHz) was reported as below:

Below 1GHz

Horizontal



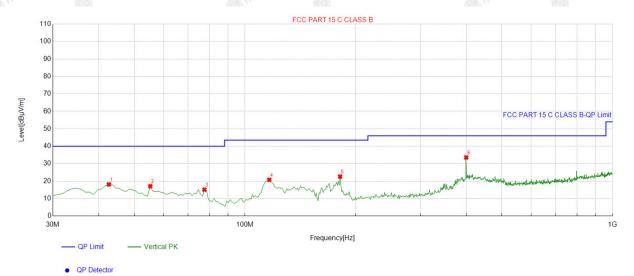
QP Detector

| Suspe | Suspected List | | | | | | | | | | |
|-----------|----------------|--------|----------|----------|----------|--------|--------|-------|------------|--|--|
| NO | Freq. | Factor | Reading | Level | Limit | Margin | Height | Angle | Delection | | |
| NO. [MHz] | [MHz] | [dB] | [dBµV/m] | [dBµV/m] | [dBµV/m] | [dB] | [cm] | [°] | Polarity | | |
| 1 | 35.825826 | -15.82 | 35.83 | 20.01 | 40.00 | 19.99 | 100 | 19 | Horizontal | | |
| 2 | 55.245245 | -14.32 | 33.26 | 18.94 | 40.00 | 21.06 | 100 | 140 | Horizontal | | |
| 3 | 115.44544 | -15.02 | 31.59 | 16.57 | 43.50 | 26.93 | 100 | 221 | Horizontal | | |
| 4 | 179.52953 | -17.28 | 37.31 | 20.03 | 43.50 | 23.47 | 100 | 153 | Horizontal | | |
| 5 | 399.93994 | -9.45 | 43.73 | 34.28 | 46.00 | 11.72 | 100 | 0 | Horizontal | | |
| 6 | 799.97998 | -1.81 | 32.73 | 30.92 | 46.00 | 15.08 | 100 | 132 | Horizontal | | |

Remark: Factor = Cable loss + Antenna factor - Preamplifier; Level = Reading + Factor; Margin = Limit - Level

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| Suspe | Suspected List | | | | | | | | | | |
|-------|----------------|--------|----------|----------|----------|--------|--------|-------|----------|--|--|
| NO | Freq. | Factor | Reading | Level | Limit | Margin | Height | Angle | 5.1." | | |
| NO. | [MHz] | [dB] | [dBµV/m] | [dBµV/m] | [dBµV/m] | [dB] | [cm] | [°] | Polarity | | |
| 1 | 42.622623 | -15.19 | 33.31 | 18.12 | 40.00 | 21.88 | 100 | 318 | Vertical | | |
| 2 | 55.245245 | -14.32 | 31.39 | 17.07 | 40.00 | 22.93 | 100 | 50 | Vertical | | |
| 3 | 77.577578 | -17.16 | 32.29 | 15.13 | 40.00 | 24.87 | 100 | 74 | Vertical | | |
| 4 | 116.41641 | -15.11 | 35.89 | 20.78 | 43.50 | 22.72 | 100 | 2 | Vertical | | |
| 5 | 181.47147 | -16.93 | 39.57 | 22.64 | 43.50 | 20.86 | 100 | 74 | Vertical | | |
| 6 | 399.93994 | -9.45 | 43.02 | 33.57 | 46.00 | 12.43 | 100 | 256 | Vertical | | |

Remark: Factor = Cable loss + Antenna factor - Preamplifier; Level = Reading + Factor; Margin = Limit - Level

Harmonics and Spurious Emissions

Frequency Range (9kHz-30MHz)

| Frequency (MHz) | Level@3m (dBµV/m) | Limit@3m (dBµV/m) |
|-----------------|---------------------|-------------------|
| (i) HU | (1) 1/2. | MHD |
| | W _C | TSTING |
| - NG HUAR | NO WY | Obje . |
| V TESTINE | TESTING THE TESTING | V TESTINE |

Note:1. Emission Level=Reading+ Cable loss-Antenna factor-Amp factor.

2. The emission levels are 20 dB below the limit value, which are not reported. It is deemed to comply with the requirement.

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Above 1GHz

Radiated Emission Test

LOW CH1 (802.11b Mode)/2412

Horizontal:

| Frequency | Reading Result | Factor | Emission Level | Limits | Margin | Detector |
|-----------|----------------|--------|----------------|----------|--------|----------|
| (MHz) | (dBµV) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | Туре |
| 4824 | 53.32 | -3.64 | 49.68 | 74 | -24.32 | peak |
| 4824 | 43.34 | -3.64 | 39.7 | 54 | -14.3 | AVG |
| 7236 | 52.06 | -0.95 | 51.11 | 74 | -22.89 | peak |
| 7236 | 40.25 | -0.95 | 39.3 | 54 | -14.7 | AVG |

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier; Level = Reading + Factor; Margin = Level-Limit

Vertical:

| Frequency | Reading Result | Factor | Emission Level | Limits | Margin | Detector |
|-----------|----------------|--------|----------------|----------|--------|----------|
| (MHz) | (dBµV) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | Type |
| 4824 | 54.67 | -3.64 | 51.03 | 74 | -22.97 | peak |
| 4824 | 42.19 | -3.64 | 38.55 | 54 | -15.45 | AVG |
| 7236 | 53.17 | -0.95 | 52.22 | 74 | -21.78 | peak |
| 7236 | 40.22 | -0.95 | 39.27 | 54 | -14.73 | AVG |

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier; Level = Reading + Factor; Margin = Level-

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MID CH6 (802.11b Mode)/2437

Horizontal:

| Frequency | Reading Result | Factor | Emission Level | Limits | Margin | Detector |
|-----------|----------------|--------|----------------|----------|--------|----------|
| (MHz) | (dBµV) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | Туре |
| 4874 | 53.69 | -3.51 | 50.18 | 74 | -23.82 | peak |
| 4874 | 44.31 | -3.51 | 40.8 | 54 | -13.2 | AVG |
| 7311 | 51.09 | -0.82 | 50.27 | 74 | -23.73 | peak |
| 7311 | 41.64 | -0.82 | 40.82 | 54 | -13.18 | AVG |

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier; Level = Reading + Factor; Margin = Level-

Vertical:

| Frequency | Reading Result | Factor | Emission Level | Limits | Margin | Detector |
|-----------|----------------|--------|----------------|----------|--------|----------|
| (MHz) | (dBµV) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | Type |
| 4874 | 53.62 | -3.51 | 50.11 | 74 | -23.89 | peak |
| 4874 | 41.81 | -3.51 | 38.3 | 54 | -15.7 | AVG |
| 7311 | 51.68 | -0.82 | 50.86 | 74 | -23.14 | peak |
| 7311 | 40.28 | -0.82 | 39.46 | 54 | -14.54 | AVG |

Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier; Level = Reading + Factor; Margin = Level-

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HIGH CH11 (802.11b Mode)/2462

Horizontal:

| Frequency | Reading Result | Factor | Emission Level | Limits | Margin | Detector |
|-----------|----------------|--------|----------------|----------|--------|----------|
| (MHz) | (dBµV) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | Type |
| 4924 | 52.31 | -3.43 | 48.88 | 74 | -25.12 | peak |
| 924 | 42.56 | -3.43 | 39.13 | 54 | -14.87 | AVG |
| 7386 | 50.97 | -0.75 | 50.22 | 74 | -23.78 | peak |
| 7386 | 40.02 | -0.75 | 39.27 | 54 | -14.73 | AVG |

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier; Level = Reading + Factor; Margin = Level-

Vertical:

| 0000 | | GICCOL . | (500) | | DECEMBER 1 | (CD) |
|-----------|----------------|----------|----------------|----------|------------|----------|
| Frequency | Reading Result | Factor | Emission Level | Limits | Margin | Detector |
| (MHz) | (dBµV) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | Туре |
| 4924 | 53.47 | -3.43 | 50.04 | 74 | -23.96 | peak |
| 4924 | 44.09 | -3.43 | 40.66 | 54 | -13.34 | AVG |
| 7386 | 51.16 | -0.75 | 50.41 | 74 | -23.59 | peak |
| 7386 | 42.84 | -0.75 | 42.09 | 54 | -11.91 | AVG |

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier; Level = Reading + Factor; Margin = Level-Limit

Remark:

- (1) Measuring frequencies from 1 GHz to the 25 GHz.
- (2) "F" denotes fundamental frequency; "H" denotes spurious frequency; "E" denotes band edge frequency.
- (3) * denotes emission frequency which appearing within the Restricted Bands specified in provision of 15.205, then the general radiated emission limits in 15.209 apply.
- (4) The emissions are attenuated more than 20dB below the permissible limits are not recorded in the report.
- (5) The IF bandwidth of EMI Test Receiver between 30MHz to 1GHz was 120KHz, 1 MHz for measuring above 1 GHz, below 30MHz was 10KHz.
- (6) When the test results of Peak Detected below the limits of Average Detected, the Average Detected is not need completed. For example: Top Channel at Fundamental73.16dBuV/m(PK Value) <93.98(AV Limit), at harmonic 53.20 dBuV/m(PK Value) <54dBuV/m(AV Limit), the Average Detected not need to completed.

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LOW CH1 (802.11g Mode)/2412

Horizontal:

| Frequency | Reading Result | Factor | Emission Level | Limits | Margin | Detector |
|-----------|----------------|--------|----------------|----------|--------|----------|
| (MHz) | (dBµV) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | Type |
| 4824 | 53.76 | -3.64 | 50.12 | 74 | -23.88 | peak |
| 4824 | 43.56 | -3.64 | 39.92 | 54 | -14.08 | AVG |
| 7236 | 51.47 | -0.95 | 50.52 | 74 | -23.48 | peak |
| 7236 | 42.09 | -0.95 | 41.14 | 54 TEST | -12.86 | AVG |

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier; Level = Reading + Factor; Margin = Level-

Vertical:

| Frequency | Reading Result | Factor | Emission Level | Limits | Margin | Detector |
|-----------|----------------|--------|----------------|----------|--------|----------|
| (MHz) | (dBµV) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | Туре |
| 4824 | 52.46 | -3.64 | 48.82 | 74 | -25.18 | peak |
| 4824 | 42.33 | -3.64 | 38.69 | 54 | -15.31 | AVG |
| 7236 | 50.43 | -0.95 | 49.48 | 74 | -24.52 | peak |
| 7236 | 40.94 | -0.95 | 39.99 | 54 | -14.01 | AVG |

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier; Level = Reading + Factor; Margin = Level-Limit

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MID CH6 (802.11g Mode)/2437

Horizontal:

| Frequency | Reading Result | Factor | Emission Level | Limits | Margin | Detector |
|-----------|----------------|--------|----------------|----------|--------|----------|
| (MHz) | (dBµV) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | Туре |
| 4874 | 53.41 | -3.51 | 49.9 | 74 | -24.1 | peak |
| 4874 | 45.23 | -3.51 | 41.72 | 54 | -12.28 | AVG |
| 7311 | 51.49 | -0.82 | 50.67 | 74 | -23.33 | peak |
| 7311 | 43.31 | -0.82 | 42.49 | 54 | -11.51 | AVG |

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier; Level = Reading + Factor; Margin = Level-Limit

Vertical:

| Frequency | Reading Result | Factor | Emission Level | Limits | Margin | Detector |
|-----------|----------------|--------|----------------|----------|--------|----------|
| (MHz) | (dBµV) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | Туре |
| 4874 | 53.81 | -3.51 | 50.3 | 74 | -23.7 | peak |
| 4874 | 43.48 | -3.51 | 39.97 | 54 | -14.03 | AVG |
| 7311 | 52.09 | -0.82 | 51.27 | 74 | -22.73 | peak |
| 7311 | 41.86 | -0.82 | 41.04 | 54 | -12.96 | AVG |

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier; Level = Reading + Factor; Margin = Level-Limit

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HIGH CH11 (802.11g Mode)/2462

Horizontal:

| Fr | equency | Reading Result | Factor | Emission Level | Limits | Margin | Detector |
|-------|---------|----------------|--------|----------------|----------|--------|----------|
| TES | (MHz) | (dBµV) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | Туре |
| White | 4924 | 53.22 | -3.43 | 49.79 | 74 | -24.21 | peak |
| STING | 4924 | 44.59 | -3.43 | 41.16 | 54 | -12.84 | AVG |
| | 7386 | 51.57 | -0.75 | 50.82 | 74 | -23.18 | peak |
| | 7386 | 41.13 | -0.75 | 40.38 | 54 | -13.62 | AVG |

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier; Level = Reading + Factor; Margin = Level-Limit

Vertical:

| Frequency | Reading Result | Factor | Emission Level | Limits | Margin | Detector |
|-----------|----------------|--------|----------------|----------|--------|----------|
| (MHz) | (dBµV) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | Туре |
| 4924 | 52.05 | -3.43 | 48.62 | 74 | -25.38 | peak |
| 4924 | 41.68 | -3.43 | 38.25 | 54 | -15.75 | AVG |
| 7386 | 51.92 | -0.75 | 51.17 | 74 | -22.83 | peak |
| 7386 | 40.69 | -0.75 | 39.94 | 54 | -14.06 | AVG |

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier; Level = Reading + Factor; Margin = Level-Limit.

Remark:

- (1) Measuring frequencies from 1 GHz to the 25 GHz.
- (2) "F" denotes fundamental frequency; "H" denotes spurious frequency; "E" denotes band edge frequency.
- (3) * denotes emission frequency which appearing within the Restricted Bands specified in provision of 15.205, then the general radiated emission limits in 15.209 apply.
- (4) The emissions are attenuated more than 20dB below the permissible limits are not recorded in the report.
- (5) The IF bandwidth of EMI Test Receiver between 30MHz to 1GHz was 120KHz, 1 MHz for measuring above 1 GHz, below 30MHz was 10KHz.
- (6) When the test results of Peak Detected below the limits of Average Detected, the Average Detected is not need completed. For example: Top Channel at Fundamental73.16dBuV/m(PK Value) <93.98(AV Limit), at harmonic 53.20 dBuV/m(PK Value) <54dBuV/m(AV Limit), the Average Detected not need to completed.

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LOW CH1 (802.11n/H20 Mode)/2412

Horizontal:

| Frequency | Reading Result | Factor | Emission Level | Limits | Margin | Detector |
|-----------|----------------|--------|----------------|----------|--------|----------|
| (MHz) | (dBµV) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | Туре |
| 4824 | 52.91 | -3.64 | 49.27 | 74 | -24.73 | peak |
| 4824 | 43.56 | -3.64 | 39.92 | 54 | -14.08 | AVG |
| 7236 | 51.91 | -0.95 | 50.96 | 74 | -23.04 | peak |
| 7236 | 41.42 | -0.95 | 40.47 | 54 | -13.53 | AVG |

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier; Level = Reading + Factor; Margin = Level-

Vertical:

| Frequency | Reading Result | Factor | Emission Level | Limits | Margin | Detector |
|-----------|----------------|--------|----------------|-----------------------|--------|----------|
| (MHz) | (dBµV) | (dB) | (dBµV/m) | [⊚] (dBμV/m) | (dB) | Туре |
| 4824 | 52.19 | -3.64 | 48.55 | 74 | -25.45 | peak |
| 4824 | 42.52 | -3.64 | 38.88 | 54 | -15.12 | AVG |
| 7236 | 50.47 | -0.95 | 49.52 | 74 | -24.48 | peak |
| 7236 | 40.37 | -0.95 | 39.42 | 54 | -14.58 | AVG |

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier; Level = Reading + Factor; Margin = Level-

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MID CH6 (802.11n/H20 Mode)/2437

Horizontal:

| Frequency | Reading Result | Factor | Emission Level | Limits | Margin | Detector |
|-----------|----------------|--------|----------------|----------|--------|----------|
| (MHz) | (dBµV) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | Type |
| 4874 | 55.41 | -3.51 | 51.90 | 74.00 | -22.10 | peak |
| 4874 | 42.12 | -3.51 | 38.61 | 54.00 | -15.39 | AVG |
| 7311 | 54.31 | -0.82 | 53.49 | 74.00 | -20.51 | peak |
| 7311 | 40.39 | -0.82 | 39.57 | 54.00 | -14.43 | AVG |

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier; Level = Reading + Factor; Margin = Level-Limit

Vertical:

| Frequency | Reading Result | Factor | Emission Level | Limits | Margin | Detector |
|-----------|----------------|--------|----------------|----------|--------|----------|
| (MHz) | (dBµV) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | Туре |
| 4874 | 53.18 | -3.51 | 49.67 | 74.00 | -24.33 | peak |
| 4874 | 45.72 | -3.51 | 42.21 | 54.00 | -11.79 | AVG |
| 7311 | 51.22 | -0.82 | 50.40 | 74.00 | -23.60 | peak |
| 7311 | 42.72 | -0.82 | 41.90 | 54.00 | -12.10 | AVG |

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier; Level = Reading + Factor; Margin = Level-Limit AFICATION.

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HIGH CH11 (802.11n/H20 Mode)/2462

Horizontal:

| Frequency | Reading Result | Factor | Emission Level | Limits | Margin | Detector Tyre |
|-----------|----------------|--------|----------------|----------|--------|---------------|
| (MHz) | (dBµV) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | Detector Type |
| 4924 | 53.41 | -3.43 | 49.98 | 74 | -24.02 | peak |
| 4924 | 43.58 | -3.43 | 40.15 | 54 | -13.85 | AVG |
| 7386 | 51.81 | -0.75 | 51.06 | 74 | -22.94 | peak |
| 7386 | 42.16 | -0.75 | 41.41 | 54 | -12.59 | AVG |

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier; Level = Reading + Factor; Margin = Level-Limit.

Vertical:

| Reading Result | Factor | Emission Level | Limits | Margin | Detector Ture |
|----------------|-----------------------------------|--|--|--|--|
| (dBµV) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | Detector Type |
| 53.82 | -3.43 | 50.39 | 74 | -23.61 | peak |
| 43.16 | -3.43 | 39.73 | 54 | -14.27 | AVG |
| 52.07 | -0.75 | 51.32 | 74 | -22.68 | peak |
| 40.02 | -0.75 | 39.27 | 54 | -14.73 | AVG |
| | (dBµV) 53.82 43.16 52.07 | (dBµV) (dB) 53.82 -3.43 43.16 -3.43 52.07 -0.75 | (dBμV) (dB) (dBμV/m) 53.82 -3.43 50.39 43.16 -3.43 39.73 52.07 -0.75 51.32 | (dBμV) (dB) (dBμV/m) (dBμV/m) 53.82 -3.43 50.39 74 43.16 -3.43 39.73 54 52.07 -0.75 51.32 74 | (dBμV) (dB) (dBμV/m) (dBμV/m) (dBμV/m) 53.82 -3.43 50.39 74 -23.61 43.16 -3.43 39.73 54 -14.27 52.07 -0.75 51.32 74 -22.68 |

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier; Level = Reading + Factor; Margin = Level-Limit.

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LOW CH3 (802.11n/H40 Mode)/2422

Horizontal:

| Frequency | Meter Reading | Factor | Emission Level | Limits | Margin | Dotactor Typo |
|-----------|---------------|--------|----------------|----------|--------|---------------|
| (MHz) | (dBµV) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | Detector Type |
| 4844 | 54.43 | -3.63 | 50.8 | 74 | -23.2 | peak |
| 4844 | 43.34 | -3.63 | 39.71 | 54 | -14.29 | AVG |
| 7266 | 50.82 | -0.94 | 49.88 | 74 | -24.12 | peak |
| 7266 | 41.15 | -0.94 | 40.21 | 54 TEST | -13.79 | AVG |

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier; Level = Reading + Factor; Margin = Level-Limit.

Vertical:

| Frequency | Meter Reading | Factor | Emission Level | Limits | Margin | Detector Type |
|-----------|---------------|--------|----------------|------------|--------|---------------|
| (MHz) | (dBµV) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | Detector Type |
| 4844 | 52.75 | -3.63 | 49.12 | 74 | -24.88 | peak |
| 4844 | 45.73 | -3.63 | 42.1 | 54 (S)(11) | -11.9 | AVG |
| 7266 | 50.39 | -0.94 | 49.45 | 74 | -24.55 | peak |
| 7266 | 40.67 | -0.94 | 39.73 | 54 | -14.27 | AVG |

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier; Level = Reading + Factor; Margin = Level-Limit.

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MID CH6 (802.11n/H40 Mode)/2437

Horizontal:

| Frequency | Meter Reading | Factor | Emission Level | Limits | Margin | Data stan Trimo |
|-----------|---------------|--------|----------------|----------|--------|-----------------|
| (MHz) | (dBµV) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | Detector Type |
| 4874 | 54.39 | -3.51 | 50.88 | 74 | -23.12 | peak |
| 4874 | 42.17 | -3.51 | 38.66 | 54 | -15.34 | AVG |
| 7311 | 52.86 | -0.82 | 52.04 | 74 | -21.96 | peak |
| 7311 | 40.65 | -0.82 | 39.83 | 54 | -14.17 | AVG |

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier; Level = Reading + Factor; Margin = Level-Limit.

Vertical:

| Frequency | Meter Reading | Factor | Emission Level | Limits | Margin | Detector Temp |
|-----------|---------------|--------|----------------|------------|--------|---------------|
| (MHz) | (dBµV) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | Detector Type |
| 4874 | 53.45 | -3.51 | 49.94 | 74 | -24.06 | peak |
| 4874 | 43.96 | -3.51 | 40.45 | 54 (S) (W) | -13.55 | AVG |
| 7311 | 51.49 | -0.82 | 50.67 | 74 | -23.33 | peak |
| 7311 | 41.74 | -0.82 | 40.92 | 54 | -13.08 | AVG |

Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier; Level = Reading + Factor; Margin = Level-Limit.

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HIGH CH9 (802.11n/H40 Mode)/2452

Horizontal:

| Frequency | Meter Reading | Factor | Emission Level | Limits | Margin | Detector Tyme |
|-----------|---------------|--------|----------------|----------|--------|---------------|
| (MHz) | (dBµV) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | Detector Type |
| 4904 | 53.07 | -3.43 | 49.64 | 74 | -24.36 | peak |
| 4904 | 43.18 | -3.43 | 39.75 | 54 | -14.25 | AVG |
| 7356 | 52.44 | -0.75 | 51.69 | 74 | -22.31 | peak |
| 7356 | 40.27 | -0.75 | 39.52 | 54 | -14.48 | AVG |

Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier; Level = Reading + Factor; Margin = Level-Limit.

Vertical:

| Frequency | Meter Reading | Factor | Emission Level | Limits | Margin | Detector Type |
|-----------|---------------|--------|----------------|----------|--------|---------------|
| (MHz) | (dBµV) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | Detector Type |
| 4904 | 53.31 | -3.43 | 49.88 | 74 | -24.12 | peak |
| 4904 | 45.46 | -3.43 | 42.03 | 54 | -11.97 | AVG |
| 7356 | 52.79 | -0.75 | 52.04 | 74 | -21.96 | peak |
| 7356 | 41.22 | -0.75 | 40.47 | 54 | -13.53 | AVG |

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier; Level = Reading + Factor; Margin = Level-Limit.

Remark:

- (1) Measuring frequencies from 1 GHz to the 25 GHz.
- (2) "F" denotes fundamental frequency; "H" denotes spurious frequency; "E" denotes band edge frequency.
- (3) * denotes emission frequency which appearing within the Restricted Bands specified in provision of 15.205, then the general radiated emission limits in 15.209 apply.
- (4) The emissions are attenuated more than 20dB below the permissible limits are not recorded in the report
- (5) The IF bandwidth of EMI Test Receiver between 30MHz to 1GHz was 120KHz, 1 MHz for measuring above 1 GHz, below 30MHz was 10KHz.
- (6) When the test results of Peak Detected below the limits of Average Detected, the Average Detected is not need completed. For example: Top Channel at Fundamental 73.16dBuV/m(PK Value) <93.98(AV Limit), at harmonic 53.20 dBuV/m(PK Value) <54 dBuV/m(AV Limit), the Average Detected not need to completed.

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Test Result of Radiated Spurious at Band edges

Operation Mode:

802.11b Mode TX CH Low (2412MHz)

Horizontal

| Frequency | Reading Result | Factor | Emission Level | Limits | Margin | Detector Type |
|-----------|----------------|--------|----------------|----------|--------|---------------|
| (MHz) | (dBµV) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | |
| 2310.00 | 54.14 | -5.81 | 48.33 | 74 | -25.67 | peak |
| 2310.00 | 42.55 | -5.81 | 36.74 | 54 | -17.26 | AVG |
| 2390.00 | 50.82 | -5.84 | 44.98 | 74 | -29.02 | peak |
| 2390.00 | 40.28 | -5.84 | 34.44 | 54 | -19.56 | AVG |

Vertical:

| Frequency | Reading Result | Factor | Emission Level | Limits | Margin | Detector Type |
|-----------|----------------|--------|----------------|-------------------|--------|---------------|
| (MHz) | (dBµV) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | |
| 2310.00 | 54.73 | -5.81 | 48.92 | 74 | -25.08 | peak |
| 2310.00 | 43.71 | -5.81 | 37.9 | 54 | -16.1 | AVG |
| 2390.00 | 52.95 | -5.84 | 47.11 | 74 | -26.89 | peak |
| 2390.00 | 41.03 | -5.84 | 35.19 | ₍₁₎ 54 | -18.81 | AVG |
| 100 | 1,400 | 1462 | 460 | | 160 | 160 |

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier; Level = Reading + Factor; Margin = Level-Limit.

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Operation Mode: TX CH High (2462MHz)

Horizontal

| TESTALS | -KTESTANG | - NYTESTAN | | | AKTESTALS | AKTES ING |
|-----------|----------------|------------|----------------|----------|-----------|---------------|
| Frequency | Reading Result | Factor | Emission Level | Limits | Margin | Detector Type |
| (MHz) | (dBµV) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | |
| 2483.50 | 52.61 | -5.81 | 46.8 | 74 HUAN | -27.2 | peak |
| 2483.50 | 44.16 | -5.81 | 38.35 | 54 | -15.65 | AVG |
| 2500.00 | 50.17 | -6.06 | 44.11 | 74 | -29.89 | peak |
| 2500.00 | 42.09 | -6.06 | 36.03 | 54 | -17.97 | AVG |

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier; Level = Reading + Factor; Margin = Level-Limit.

Vertical:

| | 10 | 10. | 10.0 | | 100 | 1/4 |
|-----------|----------------|--------|----------------|----------|--------|-----------------|
| Frequency | Reading Result | Factor | Emission Level | Limits | Margin | Detector Type |
| (MHz) | (dBµV) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | _ Beleeter Type |
| 2483.50 | 53.24 | -5.81 | 47.43 | 74 | -26.57 | peak |
| 2483.50 | 43.26 | -5.81 | 37.45 | 54 | -16.55 | AVG |
| 2500.00 | 51.92 | -6.06 | 45.86 | 74 | -28.14 | peak |
| 2500.00 | 40.11 | -6.06 | 34.05 | 54 | -19.95 | AVG |

Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier; Level = Reading + Factor; Margin = Level-Limit.

Remark: All the other emissions not reported were too low to read and deemed to comply with FCC limit.



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Operation Mode: 802.11g Mode TX CH Low (2412MHz)

Horizontal

| Frequency | Reading Result | Factor | Emission Level | Limits | Margin | Detector Type |
|-----------|----------------|--------|----------------|----------|--------|---------------|
| (MHz) | (dBµV) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | Dotooto. Type |
| 2310.00 | 52.66 | -5.81 | 46.85 | 74 HUAY | -27.15 | peak |
| 2310.00 | 43.51 | -5.81 | 37.7 | 54 | -16.3 | AVG |
| 2390.00 | 50.26 | -5.84 | 44.42 | 74 | -29.58 | peak |
| 2390.00 | 41.51 | -5.84 | 35.67 | 54 | -18.33 | AVG |

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier; Level = Reading + Factor; Margin = Level-Limit.

Vertical:

| Frequency | Reading Result | Factor | Emission Level | Limits 🌑 | Margin | Detector Type |
|-----------|----------------|--------|----------------|----------|--------|-----------------|
| (MHz) | (dBµV) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | _ Detector Type |
| 2310.00 | 52.38 | -5.81 | 46.57 | 74 | -27.43 | peak |
| 2310.00 | 43.44 | -5.81 | 37.63 | 54 | -16.37 | AVG |
| 2390.00 | 50.37 | -5.84 | 44.53 | 74 | -29.47 | peak |
| 2390.00 | 41.82 | -5.84 | 35.98 | 54 | -18.02 | AVG |

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier; Level = Reading + Factor; Margin = Level-Limit.

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Operation Mode: TX CH High (2462MHz)

Horizontal

| Frequency | Reading Result | Factor | Emission Level | Limits | Margin | Detector Type |
|-----------|----------------|--------|----------------|----------|--------|---------------|
| (MHz) | (dBµV) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | |
| 2483.50 | 52.91 | -5.65 | 47.26 | 74 | -26.74 | peak |
| 2483.50 | 42.03 | -5.65 | 36.38 | 54 | -17.62 | AVG |
| 2500.00 | 51.26 | -5.65 | 45.61 | 74 | -28.39 | peak |
| 2500.00 | 39.19 | -5.65 | 33.54 | 54 | -20.46 | AVG |

Vertical:

| Frequency | Reading Result | Factor | Emission Level | Limits | Margin | Detector Type |
|-----------|----------------|--------|----------------|----------|--------|---------------|
| (MHz) | (dBµV) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | |
| 2483.50 | 53.11 | -5.65 | 47.46 | 74 HUM | -26.54 | peak |
| 2483.50 | 43.67 | -5.65 | 38.02 | 54 | -15.98 | AVG |
| 2500.00 | 52.45 | -5.65 | 46.8 | 74 | -27.2 | peak |
| 2500.00 | 41.85 | -5.65 | 36.2 | 54 | -17.8 | AVG |

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier; Level = Reading + Factor; Margin = Level-Limit.

Remark: All the other emissions not reported were too low to read and deemed to comply with FCC limit.

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Operation Mode: 802.11n/H20 Mode TX CH Low (2412MHz)

Horizontal

| Frequency | Reading Result | Factor | Emission Level | Limits | Margin | Detector Type |
|-----------|----------------|--------|----------------|----------|---------|---------------|
| (MHz) | (dBµV) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | |
| 2310.00 | 54.05 | -5.81 | 48.24 | 74 | -25.76 | peak |
| 2310.00 | 43.05 | -5.81 | 37.24 | 54 | -16.76 | AVG |
| 2390.00 | 50.87 | -5.84 | 45.03 | 74 | -28.97 | peak |
| 2390.00 | 40.49 | -5.84 | 34.65 | 54 | -19.35 | AVG |
| -CIII | 4500 | | Jun 122 | | · CIII4 | 15 |

Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier; Level = Reading + Factor; Margin = Level-Limit.

Vertical:

| Frequency | Reading Result | Factor | Emission Level | Limits | Margin | Detector Type |
|-----------|----------------|--------|----------------|----------|--------|---------------|
| (MHz) | (dBµV) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | |
| 2310.00 | 54.07 | -5.81 | 48.26 | 74 | -25.74 | peak |
| 2310.00 | 41.78 | -5.81 | 35.97 | 54 | -18.03 | AVG |
| 2390.00 | 52.67 | -5.84 | 46.83 | 74 | -27.17 | peak |
| 2390.00 | 40.49 | -5.84 | 34.65 | 54 | -19.35 | AVG |

Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier; Level = Reading + Factor; Margin = Level-Limit.

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Operation Mode: TX CH High (2462MHz)

Horizontal

| -all2 | ella. | Var | | NO. | Olo | -010- |
|-----------|----------------|-----------|----------------|----------|--------|---------------|
| Frequency | Reading Result | Factor | Emission Level | Limits | Margin | Detector Type |
| (MHz) | (dBµV) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | 7 " |
| 2483.50 | 52.14 | -5.65 | 46.49 | 74 | -27.51 | peak |
| 2483.50 | 43.19 | -5.65 | 37.54 | 54 | -16.46 | AVG |
| 2500.00 | 50.44 | -5.65 | 44.79 | 74 | -29.21 | peak |
| 2500.00 | 41.68 | -5.65 | 36.03 | 54 | -17.97 | AVG |
| | | V25007 A. | 105021 | | 098) | 100.01 |

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier; Level = Reading + Factor; Margin = Level-Limit.

Vertical:

| | 10. | Ma. | MA. | | 10 | 100 |
|-----------|----------------|--------|----------------|----------|--------|---------------|
| Frequency | Reading Result | Factor | Emission Level | Limits | Margin | Detector Type |
| (MHz) | (dBµV) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | ESTING |
| 2483.50 | 53.52 | -5.65 | 47.87 | 74 | -26.13 | peak |
| 2483.50 | 43.99 | -5.65 | 38.34 | 54 | -15.66 | AVG |
| 2500.00 | 51.84 | -5.65 | 46.19 | 74 | -27.81 | peak |
| 2500.00 | 40.29 | -5.65 | 34.64 | 54 | -19.36 | AVG |

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier; Level = Reading + Factor; Margin = Level-Limit.

Remark: All the other emissions not reported were too low to read and deemed to comply with FCC limit.

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Operation Mode: 802.11n/H40 Mode TX CH Low (2422MHz)

Horizontal

| Frequency | Reading Result | Factor | Emission Level | Limits | Margin | Detector Type |
|------------|----------------|--------|------------------|----------|---------|---------------|
| (MHz) | (dBµV) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | |
| 2310.00 | 56.32 | -5.81 | 50.51 | 74 | -23.49 | peak |
| 2310.00 | 1 | -5.81 | - JUAY/ESTIN | 54 | 1 | AVG |
| 2390.00 | 52.47 | -5.84 | 46.63 | 74 | -27.37 | peak |
| 2390.00 | THE HUA | -5.84 | 1 | 54 | 1 | AVG |
| -C111/11/3 | 45 | .6 | May 155 Comments | | -CILINS | 165 |

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier; Level = Reading + Factor; Margin = Level-Limit.

Vertical:

| Frequency | Reading Result | Factor | Emission Level | Limits | Margin | Detector Type |
|-----------|----------------|--------|----------------|----------|------------|---------------|
| (MHz) | (dBµV) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | , ,,,, |
| 2310.00 | 55.86 | -5.81 | 50.05 | 74 | -23.95 | peak |
| 2310.00 | 1 | -5.81 | (I) HUR | 54 | 1 🐠 | AVG |
| 2390.00 | 53.16 | -5.84 | 47.32 | 74 | -26.68 | peak |
| 2390.00 | HJAK TESTIN | -5.84 | MAK TESTIN | 54 | HAKT/STIME | AVG |

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier; Level = Reading + Factor; Margin = Level-Limit.

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Operation Mode: TX CH High (2452MHz)

Horizontal

| | | 100 | | | | |
|-----------|----------------|--------|----------------|----------|----------|---------------|
| Frequency | Reading Result | Factor | Emission Level | Limits | Margin | Detector Type |
| (MHz) | (dBµV) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | |
| 2483.50 | 55.46 | -5.65 | 49.81 | 74 | -24.19 | peak |
| 2483.50 | 1 | -5.65 | · / | 54 | 1 | AVG |
| 2500.00 | 52.08 | -5.65 | 46.43 | 74 | -27.57 | peak |
| 2500.00 | JAK TE | -5.65 | AUAKTE | 54 | HUAK TES | AVG |

Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier; Level = Reading + Factor; Margin = Level-Limit.

Vertical:

| | | £3680 1 | 63600 | 600000 | | CORP. 1 |
|-----------|----------------|---------|----------------|----------|--------|---------------|
| Frequency | Reading Result | Factor | Emission Level | Limits | Margin | Detector Type |
| (MHz) | (dBµV) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | AK TESTING |
| 2483.50 | 53.74 | -5.65 | 48.09 | 74 | -25.91 | peak |
| 2483.50 | THUS HUS | -5.65 | 1 1 | 54 | 1 | AVG |
| 2500.00 | 50.89 | -5.65 | 45.24 | 74 | -28.76 | peak |
| 2500.00 | 1 | -5.65 | 1 | 54 | 1 | AVG |

Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier; Level = Reading + Factor; Margin = Level-Limit.

Remark: All the other emissions not reported were too low to read and deemed to comply with FCC limit.

Remark:

- 1. If the PK measured levels comply with average limit, then the average level were deemed to comply with average limit.
- 2. In restricted bands of operation, the spurious emissions below the permissible value more than 20dB.
- 3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.



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4.8. Antenna Requirement

Standard Applicable

For intentional device, according to FCC 47 CFR Section 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. And according to FCC 47 CFR Section 15.247, if transmitting antennas of directional gain greater than6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

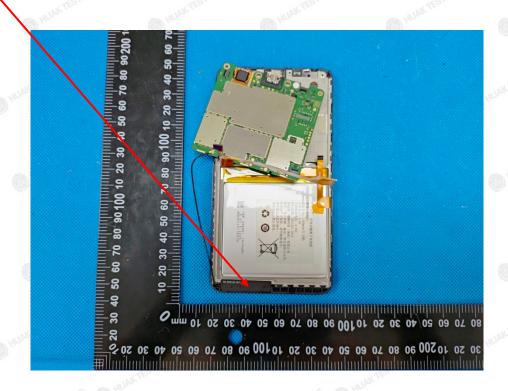
Refer to statement below for compliance.

The manufacturer may design the unit so that the user can replace a broken antenna, but the use of a standard antenna jack or electrical connector is prohibited. Further, this requirement does not apply to intentional radiators that must be professionally installed.

Antenna Connected Construction

The antenna used in this product is Internal Antenna, need professional installation. It conforms to the standard requirements. The directional gains of antenna used for transmitting is 1.31dBi.



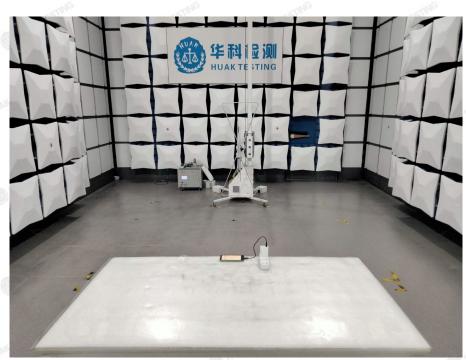


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5. Photograph of Test

Radiated Emissions





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TEL: +86-755 2302 9901 FAX: +86-755 2302 9901 E-mail: service@cer-mark.com

Add: 1-2F., Building B2, Junfeng Zhongcheng Zhizao Innovation Park, Heping Community, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China





Conducted Emission



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6. Photos of the EUT

Reference to the report: ANNEX A of external photos and ANNEX B of internal photos.

-----End of test report-----

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