

TEST REPORT

FCC ID: 2AON4GV-020-I59

Product: 2 Inch HD Steaming Media 4K Dash Camera

Model No.: GV-020-I59

Additional Model No.: GV-020D-I59, GV-020S-I59, GV-020GD-I59, GV-020GS-I59

Trade Mark: GERMID

Report No.: TCT210222E028

Issued Date: Feb. 26, 2021

Issued for:

Global Media Industry Group Co., Ltd. 2F, Bldg A, No. 46, Xingye 1st Rd, Fenghuang, Fuyong, Bao'an, Shenzhen, China

Issued By:

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1. Test Certification

Report No.: TCT210222E028

| Product: | 2 Inch HD Steamimg Media 4K Dash Camera | | | |
|--------------------------|---|--|--|--|
| Model No.: | GV-020-I59 | | | |
| Additional Model No.: | GV-020D-I59, GV-020S-I59, GV-020GD-I59, GV-020GS-I59 | | | |
| Trade Mark: | SERMID (C) | | | |
| Applicant: | Global Media Industry Group Co., Ltd. | | | |
| Address: | 2F, Bldg A, No. 46, Xingye 1st Rd, Fenghuang, Fuyong, Bao'an, Shenzhen, China | | | |
| Manufacturer: | Global Media Industry Group Co., Ltd. | | | |
| Address: | 2F, Bldg A, No. 46, Xingye 1st Rd, Fenghuang, Fuyong, Bao'an, Shenzhen, China | | | |
| Date of Test: | Feb. 22, 2021 – Feb. 25, 2021 | | | |
| Applicable Standards: | FCC CFR Title 47 Part 15 Subpart C Section 15.247 FCC KDB 558074 D01 15.247 Meas Guidance v05r02 ANSI C63.10:2013 | | | |

The above equipment has been tested by Shenzhen Tongce Testing Lab. and found compliance with the requirements set forth in the technical standards mentioned above. The results of testing in this report apply only to the product/system, which was tested. Other similar equipment will not necessarily produce the same results due to production tolerance and measurement uncertainties.

| Tested By: | Laron Mo | Date: | Feb. 25, 2021 |
|--------------|-------------|-------|---------------|
| (3) | Aaron Mo | | (3) |
| Reviewed By: | Benyl zharo | Date: | Feb. 26, 2021 |
| <u>-</u> | Beryl Zhao | (c) | (3) |
| Approved By: | foms m | Date: | Feb. 26, 2021 |
| | Tomsin | | |



2. Test Result Summary

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

Note:

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

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3. EUT Description

| Product: | 2 Inch HD Steamimg Media 4K Dash Camera | |
|---|---|--|
| FIOUUCL. | | |
| Model No.: | GV-020-I59 | |
| Additional Model No.: | GV-020D-I59, GV-020S-I59, GV-020GD-I59, GV-020GS-I59 | |
| Trade Mark: | GERMID | |
| Operation Frequency: | 2412MHz~2462MHz (802.11b/802.11g/802.11n(HT20)) 2422MHz~2452MHz (802.11n(HT40)) | |
| Channel Separation: | 5MHz | |
| Number of Channel: | 11 for 802.11b/802.11g/802.11n(HT20) 7 for 802.11n(HT40) | |
| Modulation Technology: (IEEE 802.11b) | Direct Sequence Spread Spectrum (DSSS) | |
| Modulation Technology: (IEEE 802.11g/802.11n) | Orthogonal Frequency Division Multiplexing(OFDM) | |
| Data speed (IEEE 802.11b): | 1Mbps, 2Mbps, 5.5Mbps, 11Mbps | |
| Data speed (IEEE 802.11g): | 6Mbps, 9Mbps, 12Mbps, 18Mbps, 24Mbps, 36Mbps, 48Mbps, 54Mbps | |
| Data speed (IEEE 802.11n): | Up to 150Mbps | |
| Antenna Type: | Internal Antenna | |
| Antenna Gain: | 2.5dBi | |
| Power Supply: | DC 5V | |
| Remark: | All models above are identical in interior structure, electrical circuits and components, and just model names are different for the marketing requirement. | |

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

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Operation Frequency each of channel For 802.11b/g/n(HT20)

| | Channel | Frequency | Channel | Frequency | Channel | Frequency | Channel | Frequency |
|---|---------|-----------|---------|-----------|---------|-----------|---------|-----------|
|) | 1 | 2412MHz | 4 | 2427MHz | 7 | 2442MHz | 10 | 2457MHz |
| | 2 | 2417MHz | 5 | 2432MHz | 8 | 2447MHz | 11 | 2462MHz |
| | 3 | 2422MHz | 6 | 2437MHz | 9 | 2452MHz | | |

Operation Frequency each of channel For 802.11n (HT40)

| Channel | Frequency | Channel | Frequency | Channel | Frequency | Channel | Frequency |
|---------|-----------|---------|-----------|---------|-----------|----------------|-----------|
| | (| 4 | 2427MHz | _ 7 | 2442MHz | - - | |
| | (, G | 5 | 2432MHz | 8 | 2447MHz | (.G-) | |
| 3 | 2422MHz | 6 | 2437MHz | 9 | 2452MHz | | |

Note:

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

802.11b/802.11g/802.11n (HT20)

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

802.11n (HT40)

| Channel | Frequency |
|---------------------|-----------|
| The lowest channel | 2422MHz |
| The middle channel | 2437MHz |
| The Highest channel | 2452MHz |



4. General Information

4.1. Test environment and mode

| Operating Environment: | | | | | |
|------------------------|--|-------------------|--|--|--|
| Condition | Conducted Emission | Radiated Emission | | | |
| Temperature: | 25.0 °C | 25.0 °C | | | |
| Humidity: | 55 % RH | 55 % RH | | | |
| Atmospheric Pressure: | 1010 mbar | 1010 mbar | | | |
| Test Mode: | | | | | |
| Engineering mode: | Keep the EUT in continuous transmitting by select channel and modulations with Fully-charged battery | | | | |

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

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

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

| Mode | Data rate |
|--------------|-----------|
| 802.11b | 1Mbps |
| 802.11g | 6Mbps |
| 802.11n(H20) | 6.5Mbps |
| 802.11n(H40) | 13.5Mbps |

Final Test Mode:

| Operation mode: | Keep the EUT in continuous transmitting |
|-----------------|---|
| | with modulation |

- 1. For WIFI function, the engineering test program was provided and enabled to make EUT continuous transmit/receive.
- 2.According to ANSI C63.10 standards, the test results are both the "worst case" and "worst setup" 1Mbps for 802.11b, 6Mbps for 802.11g, 6.5Mbps for 802.11n(H20), 13.5Mbps for 802.11n(H40). Duty cycle setting during the transmission is 100% with maximum power setting for all modulations.

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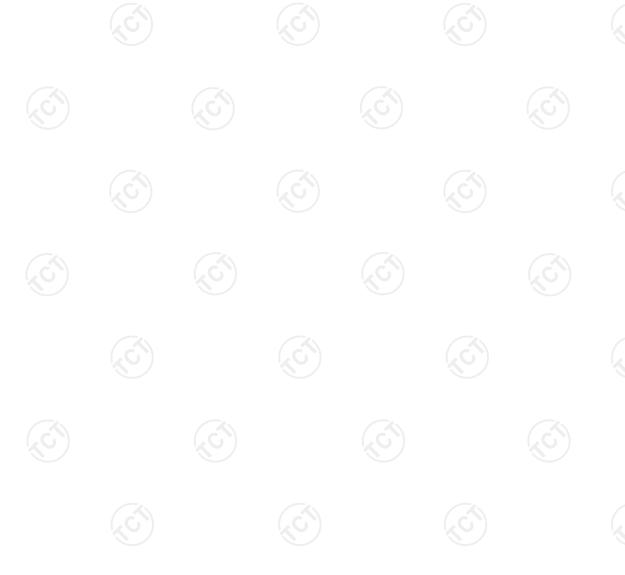
4.2. Description of Support Units

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

| Equipment | Model No. | Serial No. | FCC ID | Trade Name |
|-----------|-----------|------------|--------|------------|
| | | , | / / | |

Note:

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



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5. Facilities and Accreditations

5.1. Facilities

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

• FCC - Registration No.: 645098

Shenzhen Tongce Testing Lab.

The 3m Semi-anechoic chamber has been registered and fully described in a report with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files.

• IC - Registration No.: 10668A-1

The 3m Semi-anechoic chamber of SHENZHEN TONGCE TESTING LAB has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing

5.2. Location

Shenzhen Tongce Testing Lab.

Address: 1B/F., Building 1, Yibaolai Industrial Park, Qiaotou, Fuyong, Baoan District,

Shenzhen, Guangdong, China

TEL: +86-755-27673339

5.3. Measurement Uncertainty

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

| No. | Item | ми |
|-----|-------------------------------|---------|
| 1 | Conducted Emission | ±2.56dB |
| 2 | RF power, conducted | ±0.12dB |
| 3 | Spurious emissions, conducted | ±0.11dB |
| 4 | All emissions, radiated(<1G) | ±3.92dB |
| 5 | All emissions, radiated(>1G) | ±4.28dB |
| 6 | Temperature | ±0.1°C |
| 7 | Humidity | ±1.0% |

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Test Results and Measurement Data

6.1. Antenna requirement

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

15.203 requirement:

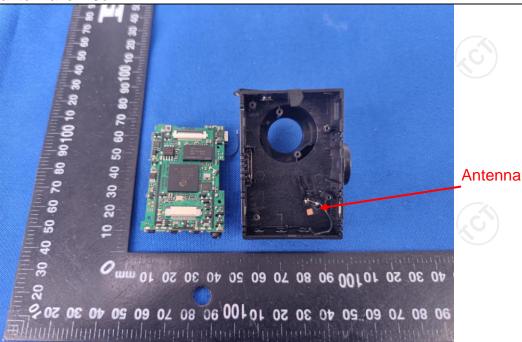
An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit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

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

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

E.U.T Antenna:

The WIFI antenna is internal antenna which permanently attached, and the best case gain of the antenna is 2.5dBi.



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6.2. Conducted Emission

6.2.1. Test Specification

| Test Requirement: | FCC Part15 C Section | 15.207 | | | | | |
|-------------------|---|--|--|--|--|--|--|
| Test Method: | ANSI C63.10:2013 | | | | | | |
| Frequency Range: | 150 kHz to 30 MHz | | | | | | |
| Receiver setup: | RBW=9 kHz, VBW=30 | RBW=9 kHz, VBW=30 kHz, Sweep time=auto | | | | | |
| Limits: | Frequency range Limit (dBuV) (MHz) Quasi-peak Average 0.15-0.5 66 to 56* 56 to 46* 0.5-5 56 46 5-30 60 50 | | | | | | |
| Test Setup: | Reference Plane 40cm 80cm Filter AC power Test table/Insulation plane Remark E.U.T. Equipment Under Test LISN: Line Impedence Stabilization Network Test table height=0.8m | | | | | | |
| Test Mode: | Charging + transmitting with modulation | | | | | | |
| Test Procedure: | The E.U.T is connectine impedance state provides a 50ohm/5 measuring equipmer The peripheral device power through a Licoupling impedance refer to the block photographs). Both sides of A.C. conducted interferer emission, the relative the interface cables ANSI C63.10: 2013 | bilization network 50uH coupling im nt. Les are also connects with 50ohm term diagram of the line are checkence. In order to fire positions of equals must be change. | (L.I.S.N.). This pedance for the ected to the main a 500hm/50uH nination. (Please test setup and d for maximum and the maximum ipment and all of ed according to | | | | |
| Test Result: | N/A | Ch. | | | | | |
| | | | | | | | |



6.3.1. Test Specification

6.3. Maximum Conducted (Average) Output Power

| 1.(.,) | | | | | | |
|-------------------|---|--|--|--|--|--|
| Test Requirement: | FCC Part15 C Section 15.247 (b)(3) | | | | | |
| Test Method: | KDB 558074 D01 v05r02 | | | | | |
| Limit: | 30dBm | | | | | |
| Test Setup: | Spectrum Analyzer EUT | | | | | |
| Test Mode: | Transmitting mode with modulation | | | | | |
| Test Procedure: | The RF output of EUT was connected to the spectrum analyzer by RF cable 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. Measure the conducted output power and record the results in the test report. | | | | | |
| Test Result: | PASS | | | | | |
| Test Result: | PASS | | | | | |

6.3.2. Test Instruments

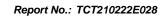
| RF Test Room | | | | | | | |
|----------------------------|-----------------|--------|------------|---------------|--|--|--|
| Equipment | Calibration Due | | | | | | |
| Spectrum Analyzer | Agilent | N9020A | MY49100619 | Sep. 11, 2021 | | | |
| RF Cable (9KHz-26.5GHz) | тст | RE-06 | N/A | Sep. 11, 2021 | | | |
| Antenna Connector | TCT | RFC-01 | N/A | Sep. 11, 2021 | | | |

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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6.4. Emission Bandwidth

6.4.1. Test Specification

| Test Requirement: | FCC Part15 C Section 15.247 (a)(2) | | | | |
|-------------------|--|--|--|--|--|
| Test Method: | KDB 558074 D01 v05r02 | | | | |
| Limit: | >500kHz | | | | |
| Test Setup: | Spectrum Analyzer EUT | | | | |
| Test Mode: | Transmitting mode with modulation | | | | |
| Test Procedure: | Set to the maximum power setting and enable the EUT transmit continuously. Make the measurement with the spectrum analyzer's resolution bandwidth (RBW) = 100 kHz. Set the Video bandwidth (VBW) = 300 kHz. In order to make an accurate measurement. The 6dB bandwidth must be greater than 500 kHz. Measure and record the results in the test report. | | | | |
| Test Result: | PASS | | | | |

6.4.2. Test Instruments

| RF Test Room | | | | | | | |
|---|---------|--------|------------|---------------|--|--|--|
| Equipment Manufacturer Model Serial Number Calibration De | | | | | | | |
| Spectrum Analyzer | Agilent | N9020A | MY49100619 | Sep. 11, 2021 | | | |
| RF Cable (9KHz-26.5GHz) | тст | RE-06 | N/A | Sep. 11, 2021 | | | |
| Antenna Connector | TCT | RFC-01 | N/A | Sep. 11, 2021 | | | |

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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6.5. Power Spectral Density

6.5.1. Test Specification

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

6.5.2. Test Instruments

| RF Test Room | | | | | | | |
|--|---------|--------|------------|---------------|--|--|--|
| Equipment Manufacturer Model Serial Number Calibration | | | | | | | |
| Spectrum Analyzer | Agilent | N9020A | MY49100619 | Sep. 11, 2021 | | | |
| RF Cable (9KHz-26.5GHz) | TCT | RE-06 | N/A | Sep. 11, 2021 | | | |
| Antenna Connector | TCT | RFC-01 | N/A | Sep. 11, 2021 | | | |

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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6.6. Conducted Band Edge and Spurious Emission Measurement

6.6.1. Test Specification

| | 70 | | | | |
|-------------------|--|--|--|--|--|
| Test Requirement: | FCC Part15 C Section 15.247 (d) | | | | |
| Test Method: | KDB558074 | | | | |
| Limit: | In any 100 kHz bandwidth outside of the authorized frequency band, the emissions which fall in the non-restricted bands shall be attenuated at least 20 dB 30dB relative to the maximum PSD level in 100 kHz backers. RF conducted measurement and radiated emission which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a). | | | | |
| Test Setup: | | | | | |
| | Spectrum Analyzer EUT | | | | |
| Test Mode: | Transmitting mode with modulation | | | | |
| Test Procedure: | The RF output of EUT was connected to the spectrum analyzer by RF cable 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 | | | | |
| | | | | | |



6.6.2. Test Instruments

| RF Test Room | | | | | | | |
|--|---------|--------|------------|---------------|--|--|--|
| Equipment Manufacturer Model Serial Number Calibration I | | | | | | | |
| Spectrum Analyzer | Agilent | N9020A | MY49100619 | Sep. 11, 2021 | | | |
| RF Cable (9KHz-26.5GHz) | тст | RE-06 | N/A | Sep. 11, 2021 | | | |
| Antenna Connector | TCT | RFC-01 | N/A | Sep. 11, 2021 | | | |

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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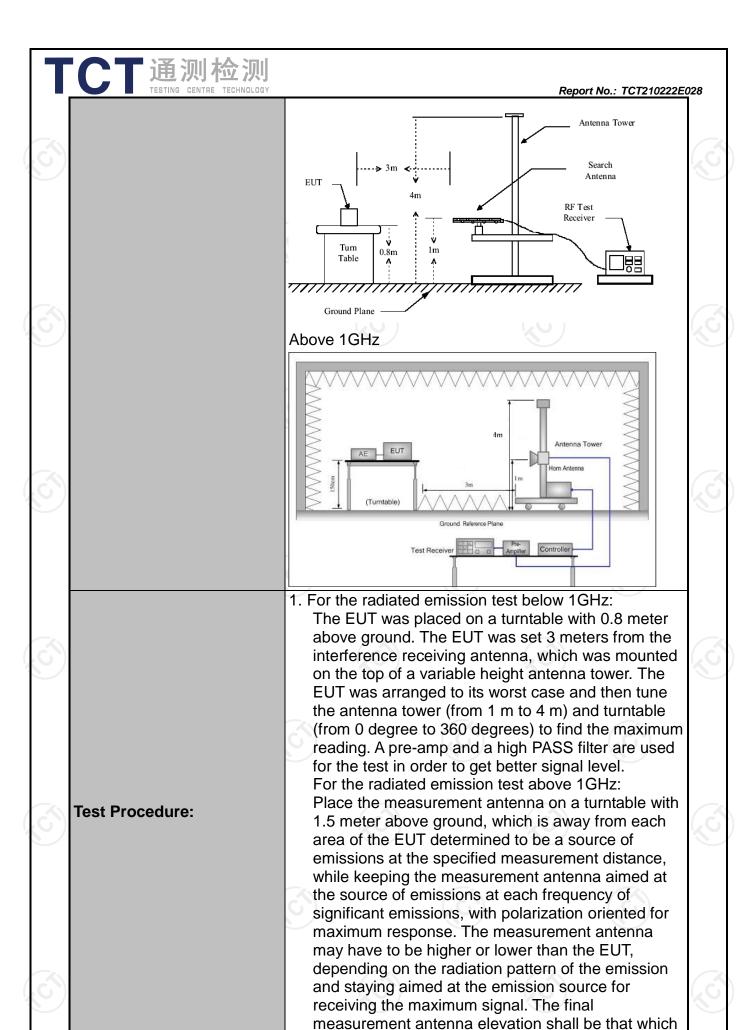
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6.7. Radiated Spurious Emission Measurement

6.7.1. Test Specification

| Test Requirement: | FCC Part15 C Section 15.209 | | | | | | |
|-----------------------|---|---------------------|-----------------------------------|--------|-----------------------------|------|-------------------------|
| Test Method: | ANSI C63.10: 2013 | | | | | | |
| Frequency Range: | 9 kHz to 25 GHz | | | | | | |
| Measurement Distance: | 3 m | | | | | | |
| Antenna Polarization: | Horizontal & Vertical | | | | | | |
| Operation mode: | Transmitting mode with modulation | | | | | | |
| | Frequency 9kHz- 150kHz | Detecto Quasi-pe | | RBW VB | | | Remark si-peak Value |
| Receiver Setup: | 150kHz- 30MHz | Quasi-pe | ak | 9kHz | 30kHz | Quas | si-peak Value |
| | 30MHz-1GHz | Quasi-pe | ak | 120KHz | 300KHz | | si-peak Value |
| | Above 1GHz | Peak | | 1MHz | 3MHz | + | eak Value |
| | | Peak | | 1MHz | 10Hz | Ave | erage Value |
| | Frequency | | Field Streng | | | | |
| | 0.009-0.490 | | 2400/F(KHz | | (Hz) | | 300 |
| | 0.490-1.705 | | 24000/F(KHz) | | 30 | | |
| | 1.705-30 | | 30 | | 30 | | |
| | 30-88 | | 100 | | 3 | | |
| I imait. | 88-216 | | | 150 | | 3 | |
| Limit: | 216-960 Above 960 | | 200 500 | | | | 3 |
| | Above 9 | 00 | | 500 | | | 3 |
| | II Freduency | | Field Strength (microvolts/meter) | | Measure Distan (meter | се | Detector |
| | Above 1GHz | _ | 500 | | 3 | | Average |
| | Above IGHZ | 2 | 5000 | | 3 | | Peak |
| Test setup: | For radiated emissions below 30MHz Distance = 3m Computer Pre - Amplifier Receiver 30MHz to 1GHz | | | | | | lter] |
| | JOIVII IZ IO TO | או וע | | | | | |



| T通测检测 | | |
|---------------------------|---|----|
| TESTING CENTRE TECHNOLOGY | Report No.: TCT210222E0 | 28 |
| | maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane. 3. Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level | |
| | 4. For measurement below 1GHz, If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported. 5. Use the following spectrum analyzer settings: Span shall wide enough to fully capture the emission being measured; Set RBW=120 kHz for f < 1 GHz; VBW ≥ RBW; Sweep = auto; Detector function = peak; Trace = max hold; | |
| | (3) Set RBW = 1 MHz, VBW= 3MHz for f >1 GHz for peak measurement. For average measurement: VBW = 10 Hz, when duty cycle is no less than 98 percent. VBW ≥ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation. | |
| Test results: | PASS | |



6.7.2. Test Instruments

| | Radiated Em | ission Test Site | e (966) | |
|-------------------|--|------------------|------------------|-----------------|
| Name of Equipment | Manufacturer | Model | Serial Number | Calibration Due |
| Test Receiver | ROHDE&SCHW ARZ | ESIB7 | 100197 | Jul. 27, 2021 |
| Spectrum Analyzer | ROHDE&SCHW ARZ | FSQ40 | 200061 | Sep. 11, 2021 |
| Pre-amplifier | EM Electronics Corporation CO.,LTD | EM30265 | 07032613 | Sep. 02, 2021 |
| Pre-amplifier | HP | 8447D | 2727A05017 | Sep. 02, 2021 |
| Loop antenna | ZHINAN | ZN30900A | 12024 | Sep. 05, 2022 |
| Broadband Antenna | Schwarzbeck | VULB9163 | 340 | Sep. 04, 2022 |
| Horn Antenna | Schwarzbeck | BBHA 9120D | 631 | Sep. 04, 2022 |
| Horn Antenna | A-INFO | LB-180400-KF | J211020657 | Sep. 04, 2022 |
| Antenna Mast | Keleto | RE-AM | N/A | N/A |
| Line-4 | TCT | RE-high-04 | N/A | Sep. 02, 2021 |
| Line-8 | TCT | RE-01 | N/A | Jul. 27, 2021 |
| EMI Test Software | Shurple Technology | EZ-EMC | 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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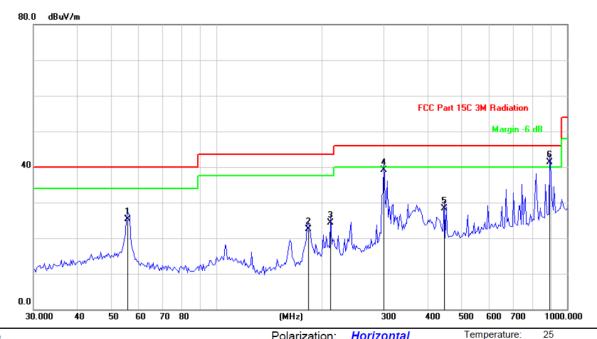
Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com



6.7.3. Test Data

Please refer to following diagram for individual Below 1GHz

Horizontal:

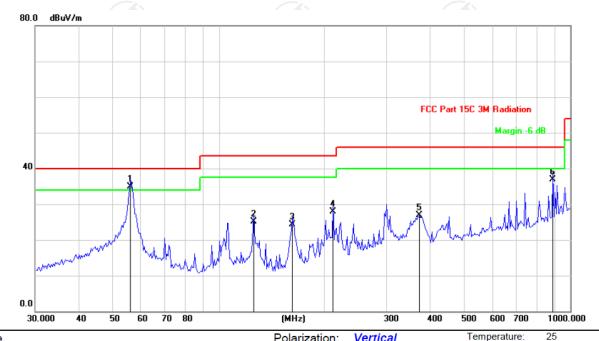


Site Polarization: Horizontal Temperature: 25
Limit: FCC Part 15C 3M Radiation Power: Humidity: 55 %

| | No. | Mk | . Freq. | Reading Level | Correct Factor | Measure- ment | Limit | Over | |
|------------|-----|----|----------|------------------|-------------------|------------------|-------|--------|----------|
| × - | | | MHz | dBuV | dB | dBuV/m | dB/m | dB | Detector |
| _ | 1 | | 55.6782 | 38.45 | -13.17 | 25.28 | 40.00 | -14.72 | QP |
| _ | 2 | | 182.5785 | 36.65 | -14.18 | 22.47 | 43.50 | -21.03 | QP |
| | 3 | | 211.6112 | 37.49 | -13.27 | 24.22 | 43.50 | -19.28 | QP |
| _ | 4 | | 300.6988 | 49.31 | -10.16 | 39.15 | 46.00 | -6.85 | QP |
| <u> </u> | 5 | | 445.6932 | 36.77 | -8.38 | 28.39 | 46.00 | -17.61 | QP |
| <u>-</u> ر | 6 | * | 893.6557 | 43.62 | -2.25 | 41.37 | 46.00 | -4.63 | QP |



Vertical:



Site Polarization: Vertical Temperature: 25
Limit: FCC Part 15C 3M Radiation Power: Humidity: 55 %

| - | No. | Mk. | Freq. | Reading Level | Correct Factor | Measure- ment | Limit | Over | |
|---|-----|-----|----------|------------------|-------------------|------------------|-------|--------|----------|
| _ | | | MHz | dBuV | dB | dBuV/m | dB/m | dB | Detector |
| - | 1 | * | 56.0708 | 48.09 | -13.26 | 34.83 | 40.00 | -5.17 | QP |
| X | 2 | • | 125.8059 | 40.92 | -15.86 | 25.06 | 43.50 | -18.44 | QP |
| _ | 3 | • | 162.0197 | 39.46 | -15.12 | 24.34 | 43.50 | -19.16 | QP |
| _ | 4 | 2 | 211.6112 | 41.15 | -13.27 | 27.88 | 43.50 | -15.62 | QP |
| _ | 5 | (| 371.2679 | 36.34 | -9.34 | 27.00 | 46.00 | -19.00 | QP |
| _ | 6 | 8 | 393.6557 | 39.25 | -2.25 | 37.00 | 46.00 | -9.00 | QP |

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

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

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

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

Limit (dBµV/m) = Limit stated in standard

Margin (dB) = Measurement (dB μ V/m) – Limits (dB μ V/m)

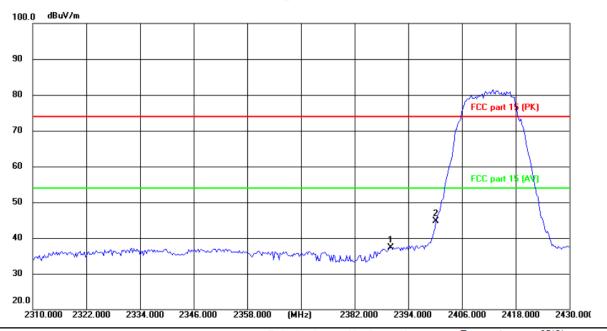
^{*} is meaning the worst frequency has been tested in the test frequency range



Test Result of Radiated Spurious at Band edges

Lowest channel 2412:

Horizontal:

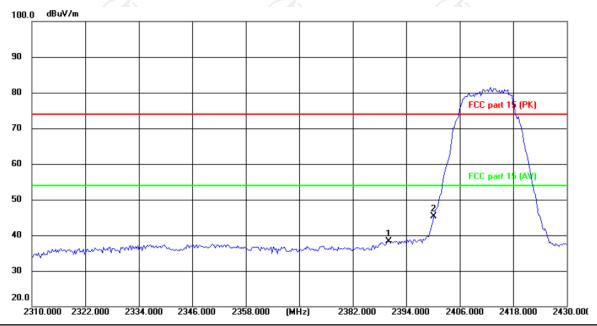


Site Polarization: Horizontal Temperature: 25(C)
Limit: FCC part 15 (PK) Power: Humidity: 55 %

| | No. | Mk | c. Freq. | | | Measure- ment | Limit | Over | |
|---|-----|----|----------|-------|--------|------------------|-------|--------|----------|
| _ | | | MHz | dBuV | dB | dBuV/m | dB/m | dB | Detector |
| 5 | 1 | | 2390.000 | 50.39 | -13.15 | 37.24 | 74.00 | -36.76 | peak |
| | 2 | * | 2400.000 | 57.91 | -13.12 | 44.79 | 74.00 | -29.21 | peak |



Vertical:



Site Polarization: Vertical Temperature: 25(C)
Limit: FCC part 15 (PK) Power: Humidity: 55 %

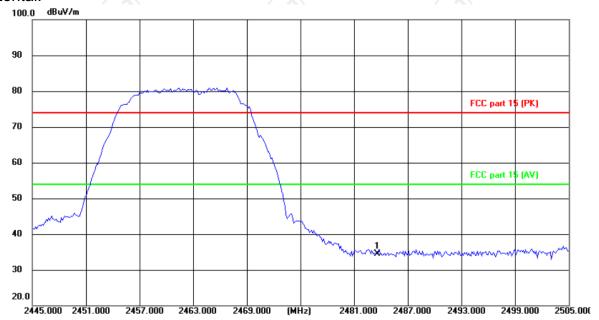
| | No. | MI | k. Freq. | | | Measure- ment | Limit | Over | | |
|----------|-----|----|----------|-------|--------|------------------|-------|--------|----------|--|
| | | | MHz | dBuV | dB | dBuV/m | dB/m | dB | Detector | |
| | 1 | | 2390.000 | 51.39 | -13.15 | 38.24 | 74.00 | -35.76 | peak | |
| <u> </u> | 2 | * | 2400.000 | 58.41 | -13.12 | 45.29 | 74.00 | -28.71 | peak | |





Highest channel 2462:

Horizontal:

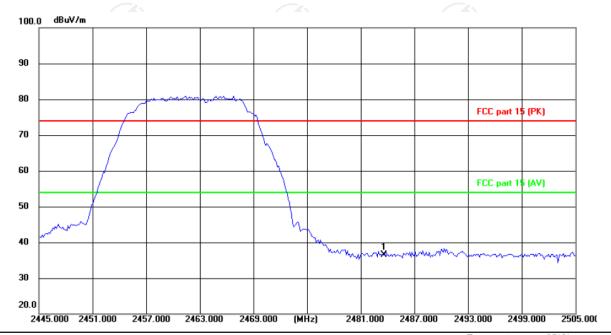


Site Polarization: Horizontal Temperature: 25(C)
Limit: FCC part 15 (PK) Power: Humidity: 55 %

| No. Mk. | | . Freq. | Reading Correct Freq. Level Factor | | | Limit | Over | |
|---------|---|----------|---------------------------------------|--------|--------|-------|--------|----------|
| | | MHz | dBuV | dB | dBuV/m | dB/m | dB | Detector |
| 1 | * | 2483.500 | 47.15 | -12.74 | 34.41 | 74.00 | -39.59 | peak |



Vertical:



Site Polarization: Vertical Temperature: 25(C)
Limit: FCC part 15 (PK) Power: Humidity: 55 %

| No. Mk | . Freq. | Reading Correct eq. Level Factor | | | Limit Over | | |
|--------|----------|-------------------------------------|--------|--------|------------|--------|----------|
| | MHz | dBuV | dB | dBuV/m | dB/m | dB | Detector |
| 1 * | 2483.500 | 49.15 | -12.74 | 36.41 | 74.00 | -37.59 | peak |

Note:

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



Above 1GHz Modulation Type: 802.11b

Report No.: TCT210222E028

| | Medicaler Type: 6621116 | | | | | | | | | |
|--------------------|-------------------------|---------------------------|----------------------|--------------------------------|-----------------------------|---------------------------|------------------------|----------------------|----------------|--|
| | | | L | ow channe | I: 2412 MH: | Z | | | | |
| Frequency (MHz) | Ant. Pol. H/V | Peak reading (dBµV) | AV reading (dBuV) | Correction Factor (dB/m) | Emissio Peak (dBµV/m) | n Level AV (dBµV/m) | Peak limit (dBµV/m) | AV limit (dBµV/m) | Margin (dB) | |
| 4824 | Н | 46.07 | | 0.75 | 46.82 | | 74 | 54 | -7.18 | |
| 7236 | Н | 36.36 | | 9.87 | 46.23 | | 74 | 54 | -7.77 | |
| | H | | 75 (1) | | | | | | | |
| | (O) | | ('0') |) | () | (C) | | (,C) | | |
| 4824 | V | 44.24 | -77 | 0.75 | 44.99 | <u></u> | 74 | 54 | -9.01 | |
| 7236 | V | 33.90 | | 9.87 | 43.77 | | 74 | 54 | -10.23 | |
| | V | | | | | | | | | |

| | | (.G.) | Middle channel: 2437MHz | | | | | | |
|--------------------|------------------|---------------------------|-------------------------|--------------------------------|------------------------------|----------------|------------------------|----------------------|----------------|
| Frequency (MHz) | Ant. Pol. H/V | Peak reading (dBµV) | AV reading (dBµV) | Correction Factor (dB/m) | Emission Peak (dBµV/m) | AV (dBµV/m) | Peak limit (dBµV/m) | AV limit (dBµV/m) | Margin (dB) |
| 4874 | Н | 45.88 | | 0.97 | 46.85 | | 74 | 54 | -7.15 |
| 7311 | H | 36.49 | | 9.83 | 46.32 | | 74 | 54 | -7.68 |
| / | H | | 150 | / | | (O -J- | | 740 | |
| | | | | | | | | | |
| 4874 | V | 45.61 | | 0.97 | 46.58 | | 74 | 54 | -7.42 |
| 7311 | V | 36.34 | | 9.83 | 46.17 | | 74 | 54 | -7.83 |
| < | V | (() | | | | | | | (|
| 5) | | (20) | | 1/2 (| (ر | | [20] | | |

| | | | F | ligh channe | l: 2462 MH | Z | | | |
|--------------------|------------------|---------------------------|----------------------|--------------------------------|------------------------------|----------------|------------------------|----------------------|----------------|
| Frequency (MHz) | Ant. Pol. H/V | Peak reading (dBµV) | AV reading (dBµV) | Correction Factor (dB/m) | Emission Peak (dBµV/m) | AV (dBµV/m) | Peak limit (dBµV/m) | AV limit (dBµV/m) | Margin (dB) |
| 4924 | Н | 44.74 | <i>(c</i>) | 1.18 | 45.92 | | 74 | 54 | -8.08 |
| 7386 | Н | 33.38 | * | 10.07 | 43.45 | -/- | 74 | 54 | -10.55 |
| | Н | | | | | | | | |
| 4924 | V | 46.66 | | 1.18 | 47.84 | | 74 | 54 | -6.16 |
| 7386 | V | 35.30 | | 10.07 | 45.37 | | 74 | 54 | -8.63 |
|) | V | 727 | | 🛚 |) | | $\sqrt{2}$ | | 🖔 |

Note:

- 1. Emission Level=Peak Reading + Correction Factor; Correction Factor= Antenna Factor + Cable loss Pre-amplifier
- 2. Margin (dB) = Emission Level (Peak) (dB μ V/m)-Average limit (dB μ V/m)
- 3. The emission levels of other frequencies are very lower than the limit and not show in test report.
- 4. Measurements were conducted from 1 GHz to the 10th harmonic of highest fundamental frequency. The highest test frequency is 25GHz.
- 5. Data of measurement shown "---"in the above table mean that the reading of emissions is attenuated more than 20 dB below the limits or the field strength is too small to be measured.
- 6. All the restriction bands are compliance with the limit of 15.209.





Report No.: TCT210222E028

Modulation Type: 802.11q

| | Low channel: 2412 MHz | | | | | | | | | |
|---|-----------------------|------------------|---------------------------|----------------------|--------------------------------|------------------------------|------------------|------------------------|----------------------|----------------|
| F | requency (MHz) | Ant. Pol. H/V | Peak reading (dBµV) | AV reading (dBuV) | Correction Factor (dB/m) | Emission Peak (dBµV/m) | AV (dBµV/m) | Peak limit (dBµV/m) | AV limit (dBµV/m) | Margin (dB) |
| | 4824 | Н | 45.67 | | 0.75 | 46.42 | | 74 | 54 | -7.58 |
| | 7236 | Η | 35.19 | | 9.87 | 45.06 | | 74 | 54 | -8.94 |
| | | Н | | | | | | | | |
| | | | | | | | | | | |
| | 4824 | V | 44.41 | [- C] | 0.75 | 45.16 | (C) | 74 | 54 | -8.84 |
| | 7236 | V | 33.08 | -33 | 9.87 | 42.95 | <u></u> | 74 | 54 | -11.05 |
| | | V | | | | | | | | |

| Ž\ | | | М | iddle chanr | el: 2437MF | Ηz | | | |
|--------------------|------------------|---------------------------|----------------------|--------------------------------|------------------------------|----------------|------------------------|----------------------|----------------|
| Frequency (MHz) | Ant. Pol. H/V | Peak reading (dBµV) | AV reading (dBµV) | Correction Factor (dB/m) | Emission Peak (dBµV/m) | AV (dBµV/m) | Peak limit (dBµV/m) | AV limit (dBµV/m) | Margin (dB) |
| 4874 | I | 44.96 | | 0.97 | 45.93 | | 74 | 54 | -8.07 |
| 7311 | T | 34.20 | | 9.83 | 44.03 | | 74 | 54 | -9.97 |
| / | H | | | \ | / | | | | \ |
| | | | Ϋ́Ο, |) | | | | KO. |) |
| 4874 | V | 45.46 | | 0.97 | 46.43 | | 74 | 54 | -7.57 |
| 7311 | V | 36.18 | | 9.83 | 46.01 | | 74 | 54 | -7.99 |
| | V | | | | | | | | |

| 9) | | (0) | Н | ligh channe | l: 2462 MH | Z | (20) | | N. |
|--------------------|------------------|---------------------------|----------------------|--------------------------------|------------------------------|---------------------------|------------------------|----------------------|----------------|
| Frequency (MHz) | Ant. Pol. H/V | Peak reading (dBµV) | AV reading (dBµV) | Correction Factor (dB/m) | Emission Peak (dBµV/m) | n Level AV (dBµV/m) | Peak limit (dBµV/m) | AV limit (dBµV/m) | Margin (dB) |
| 4924 | H | 45.11 | | 1.18 | 46.29 | | 74 | 54 | -7.71 |
| 7386 | Н | 36.29 | | 10.07 | 46.36 | . 6. 24 | 74 | 54 | -7.64 |
| ' | Н | | 4 | | '4 | <i>-</i> /- | | -4 | |
| | | | | | | | | | |
| 4924 | V | 46.06 | | 1.18 | 47.24 | | 74 | 54 | -6.76 |
| 7386 | V | 33.59 | | 10.07 | 43.66 | | 74 | 54 | -10.34 |
| | > | | | (| | | | | (|

Note:

- 1. Emission Level=Peak Reading + Correction Factor; Correction Factor= Antenna Factor + Cable loss Pre-amplifier
- 2. Margin (dB) = Emission Level (Peak) (dB μ V/m)-Average limit (dB μ V/m)
- 3. The emission levels of other frequencies are very lower than the limit and not show in test report.
- 4. Measurements were conducted from 1 GHz to the 10th harmonic of highest fundamental frequency. The highest test frequency is 25GHz.
- 5. Data of measurement shown "---"in the above table mean that the reading of emissions is attenuated more than 20 dB below the limits or the field strength is too small to be measured.
- 6. All the restriction bands are compliance with the limit of 15.209.





Modulation Type: 802.11n (HT20)

| | | | Modu | iation Type: | . 802.11n (f | 7120) | | | | | |
|--------------------|-----------------------|---------------------------|----------------------|--------------------------------|------------------------------|----------------|------------------------|----------------------|----------------|--|--|
| | Low channel: 2412 MHz | | | | | | | | | | |
| Frequency (MHz) | Ant. Pol. H/V | Peak reading (dBµV) | AV reading (dBuV) | Correction Factor (dB/m) | Emission Peak (dBµV/m) | AV (dBµV/m) | Peak limit (dBµV/m) | AV limit (dBµV/m) | Margin (dB) | | |
| 4824 | Н | 46.69 | | 0.75 | 47.44 | | 74 | 54 | -6.56 | | |
| 7236 | Н | 37.45 | | 9.87 | 47.32 | | 74 | 54 | -6.68 | | |
| | Н | | | | | | | | | | |
| | | | | | | | | | | | |
| 4824 | 2 V | 46.33 | -0 | 0.75 | 47.08 | (C) | 74 | 54 | -6.92 | | |
| 7236 | V | 35.17 | -77 | 9.87 | 45.04 | | 74 | 54 | -8.96 | | |
| | V | | | | | | | | | | |

| Z | Middle channel: 2437MHz | | | | | | | | | |
|--------------------|-------------------------|---------------------------|----------------------|--------------------------------|------------------------------|----------------|------------------------|----------------------|----------------|--|
| Frequency (MHz) | Ant. Pol. H/V | Peak reading (dBµV) | AV reading (dBµV) | Correction Factor (dB/m) | Emission Peak (dBµV/m) | AV (dBµV/m) | Peak limit (dBµV/m) | AV limit (dBµV/m) | Margin (dB) | |
| 4874 | Н | 46.08 | | 0.97 | 47.05 | | 74 | 54 | -6.95 | |
| 7311 | Н | 36.24 | | 9.83 | 46.07 | | 74 | 54 | -7.93 | |
| / | H | | | | / | | | | | |
| | | | KO) |) | 1 | | | KO. |) | |
| 4874 | V | 45.87 | | 0.97 | 46.84 | | 74 | 54 | -7.16 | |
| 7311 | V | 35.62 | | 9.83 | 45.45 | | 74 | 54 | -8.55 | |
| | V | | | | | | | | | |

|) | High channel: 2462 MHz | | | | | | | | | |
|--------------------|------------------------|---------------------------|----------------------|--------------------------------|------------------------------|----------------|------------------------|----------------------|----------------|--|
| Frequency (MHz) | Ant. Pol. H/V | Peak reading (dBµV) | AV reading (dBµV) | Correction Factor (dB/m) | Emission Peak (dBµV/m) | AV (dBµV/m) | Peak limit (dBµV/m) | AV limit (dBµV/m) | Margin (dB) | |
| 4924 | Н | 45.35 | | 1.18 | 46.53 | | 74 | 54 | -7.47 | |
| 7386 | Н | 36.22 | | 10.07 | 46.29 | . 6, 24 | 74 | 54 | -7.71 | |
| ' | Н | | 4 | | ' | <u>-</u> | | -4- | | |
| | | | | | | | | | | |
| 4924 | V | 43.44 | | 1.18 | 44.62 | | 74 | 54 | -9.38 | |
| 7386 | V | 34.81 | | 10.07 | 44.88 | | 74 | 54 | -9.12 | |
| | V | | | (| | | | | | |

Note:

- 1. Emission Level=Peak Reading + Correction Factor; Correction Factor= Antenna Factor + Cable loss Pre-amplifier
- 2. Margin (dB) = Emission Level (Peak) (dB μ V/m)-Average limit (dB μ V/m)
- 3. The emission levels of other frequencies are very lower than the limit and not show in test report.
- 4. Measurements were conducted from 1 GHz to the 10th harmonic of highest fundamental frequency. The highest test frequency is 25GHz.
- 5. Data of measurement shown "---"in the above table mean that the reading of emissions is attenuated more than 20 dB below the limits or the field strength is too small to be measured.
- 6. All the restriction bands are compliance with the limit of 15.209.



Report No.: TCT210222E028



Modulation Type: 802.11n (HT40)

| | Modulation Type. 802.1111 (11140) | | | | | | | | | | |
|--------------------|-----------------------------------|---------------------------|----------------------|--------------------------------|------------------------------|----------------|------------------------|----------------------|----------------|--|--|
| | Low channel: 2422 MHz | | | | | | | | | | |
| Frequency (MHz) | Ant. Pol. H/V | Peak reading (dBµV) | AV reading (dBuV) | Correction Factor (dB/m) | Emission Peak (dBµV/m) | AV (dBµV/m) | Peak limit (dBµV/m) | AV limit (dBµV/m) | Margin (dB) | | |
| 4844 | Н | 43.56 | | 0.75 | 44.31 | | 74 | 54 | -9.69 | | |
| 7266 | Η | 34.91 | | 9.87 | 44.78 | | 74 | 54 | -9.22 | | |
| | Η | | | | | | | | | | |
| | | | | | | | | | | | |
| 4824 | \ | 46.27 | [- 0] | 0.75 | 47.02 | (C) | 74 | 54 | -6.98 | | |
| 7236 | V | 37.49 | -33 | 9.87 | 47.36 | | 74 | 54 | -6.64 | | |
| | V | | | | | | | | | | |

| Z \ | Middle channel: 2437MHz | | | | | | | | | |
|--------------------|-------------------------|---------------------------|----------------------|--------------------------------|------------------------------|----------------|------------------------|----------------------|----------------|--|
| Frequency (MHz) | Ant. Pol. H/V | Peak reading (dBµV) | AV reading (dBµV) | Correction Factor (dB/m) | Emission Peak (dBµV/m) | AV (dBµV/m) | Peak limit (dBµV/m) | AV limit (dBµV/m) | Margin (dB) | |
| 4874 | Н | 45.44 | | 0.97 | 46.41 | | 74 | 54 | -7.59 | |
| 7311 | Н | 36.83 | | 9.83 | 46.66 | - | 74 | 54 | -7.34 | |
| / | Н | | | \ | / | | | -4- | | |
| | | | KO. |) | | (0) | | KO. | | |
| 4874 | V | 47.31 | | 0.97 | 48.28 | | 74 | 54 | -5.72 | |
| 7311 | V | 36.09 | | 9.83 | 45.92 | | 74 | 54 | -8.08 | |
| | V | | | | | | | | | |

| | | (20) | Н | ligh channe | l: 2452 MH | Z | (20) | | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ |
|--------------------|------------------|---------------------------|----------------------|--------------------------------|------------------------------|---------------------------|------------------------|----------------------|---------------------------------------|
| Frequency (MHz) | Ant. Pol. H/V | Peak reading (dBµV) | AV reading (dBµV) | Correction Factor (dB/m) | Emission Peak (dBµV/m) | n Level AV (dBµV/m) | Peak limit (dBµV/m) | AV limit (dBµV/m) | Margin (dB) |
| 4904 | H | 48.24 | | 1.18 | 49.42 | | 74 | 54 | -4.58 |
| 7356 | Н | 37.17 | | 10.07 | 47.24 | . 6. 24 | 74 | 54 | -6.76 |
| '4 | H | | | | | | | -4- | |
| | | | | | | | | | |
| 4904 | V | 45.53 | | 1.18 | 46.71 | | 74 | 54 | -7.29 |
| 7356 | V | 35.21 | | 10.07 | 45.28 | | 74 | 54 | -8.72 |
| | V | | | (| <u> </u> | | | | (|

Note:

- 1. Emission Level=Peak Reading + Correction Factor; Correction Factor= Antenna Factor + Cable loss Pre-amplifier
- 2. Margin (dB) = Emission Level (Peak) (dB μ V/m)-Average limit (dB μ V/m)
- 3. The emission levels of other frequencies are very lower than the limit and not show in test report.
- 4. Measurements were conducted from 1 GHz to the 10th harmonic of highest fundamental frequency. The highest test frequency is 25GHz.
- 5. Data of measurement shown "---"in the above table mean that the reading of emissions is attenuated more than 20 dB below the limits or the field strength is too small to be measured.
- 6. All the restriction bands are compliance with the limit of 15.209.



Report No.: TCT210222E028



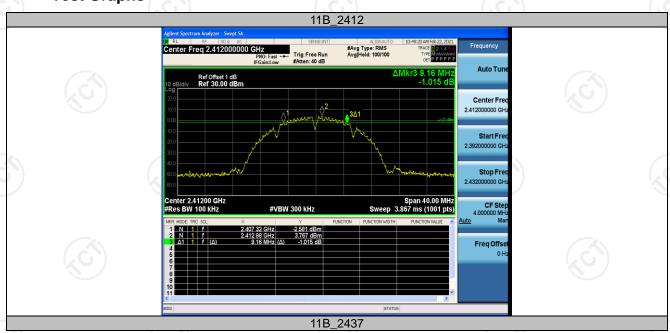
Appendix A: Test Result of Conducted Test

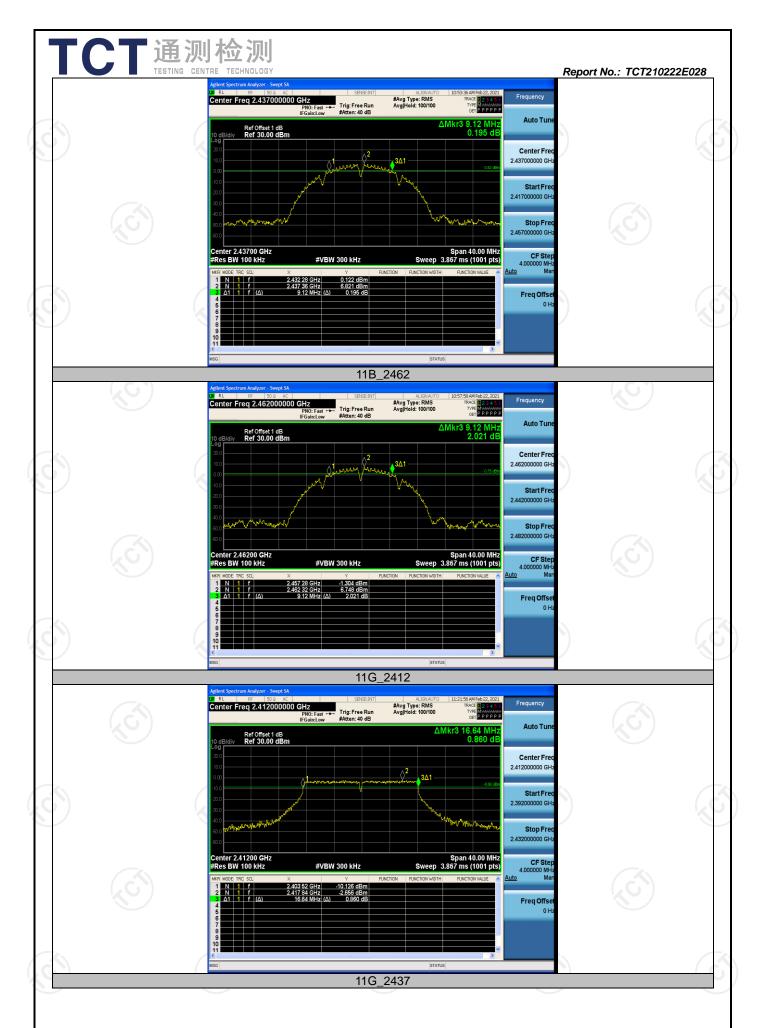
DTS Bandwidth

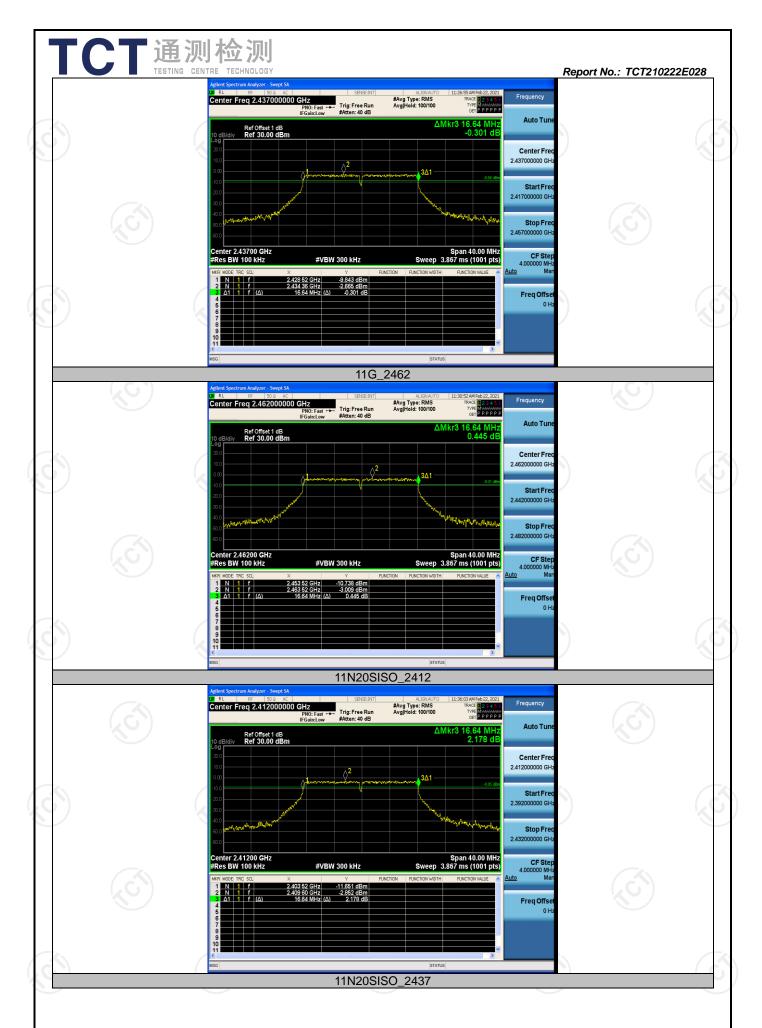
Test Result

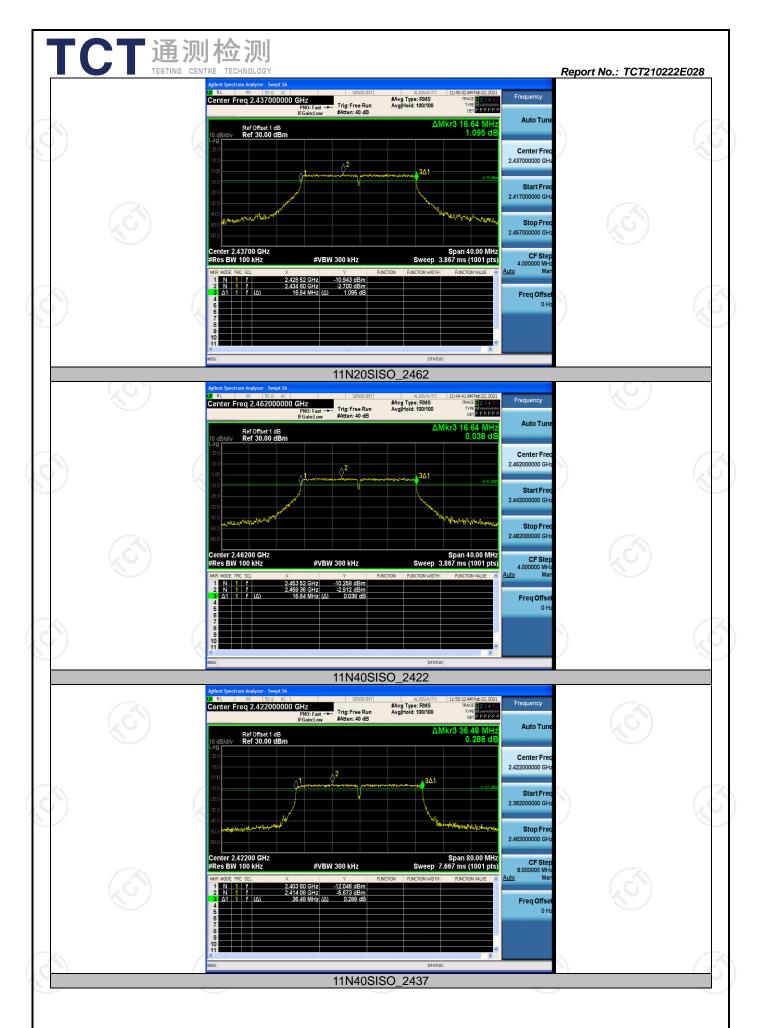
| Test Mode | Channel | DTS BW [MHz] | FL [MHz] | FH [MHz] | Limit [MHz] | Verdict |
|-----------|---------|-----------------|----------|----------|----------------|---------|
| KO) | 2412 | 9.160 | 2407.320 | 2416.480 | 0.5 | PASS |
| 11B | 2437 | 9.120 | 2432.280 | 2441.400 | 0.5 | PASS |
| | 2462 | 9.120 | 2457.280 | 2466.400 | 0.5 | PASS |
| | 2412 | 16.640 | 2403.520 | 2420.160 | 0.5 | PASS |
| 11G | 2437 | 16.640 | 2428.520 | 2445.160 | 0.5 | PASS |
| | 2462 | 16.640 | 2453.520 | 2470.160 | 0.5 | PASS |
| | 2412 | 16.640 | 2403.520 | 2420.160 | 0.5 | PASS |
| 11N20SISO | 2437 | 16.640 | 2428.520 | 2445.160 | 0.5 | PASS |
| | 2462 | 16.640 | 2453.520 | 2470.160 | 0.5 | PASS |
| | 2422 | 36.480 | 2403.600 | 2440.080 | 0.5 | PASS |
| 11N40SISO | 2437 | 36.560 | 2418.600 | 2455.160 | 0.5 | PASS |
| | 2452 | 36.560 | 2433.520 | 2470.080 | 0.5 | PASS |

Test Graphs











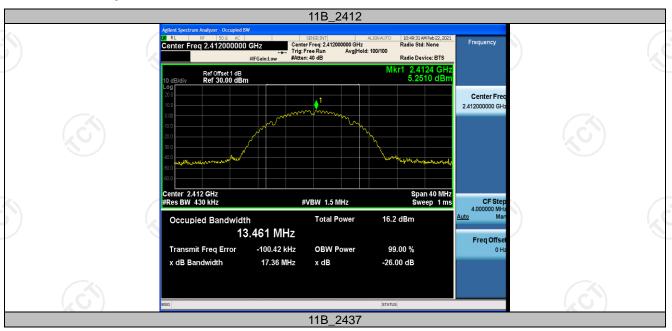


Occupied Channel Bandwidth

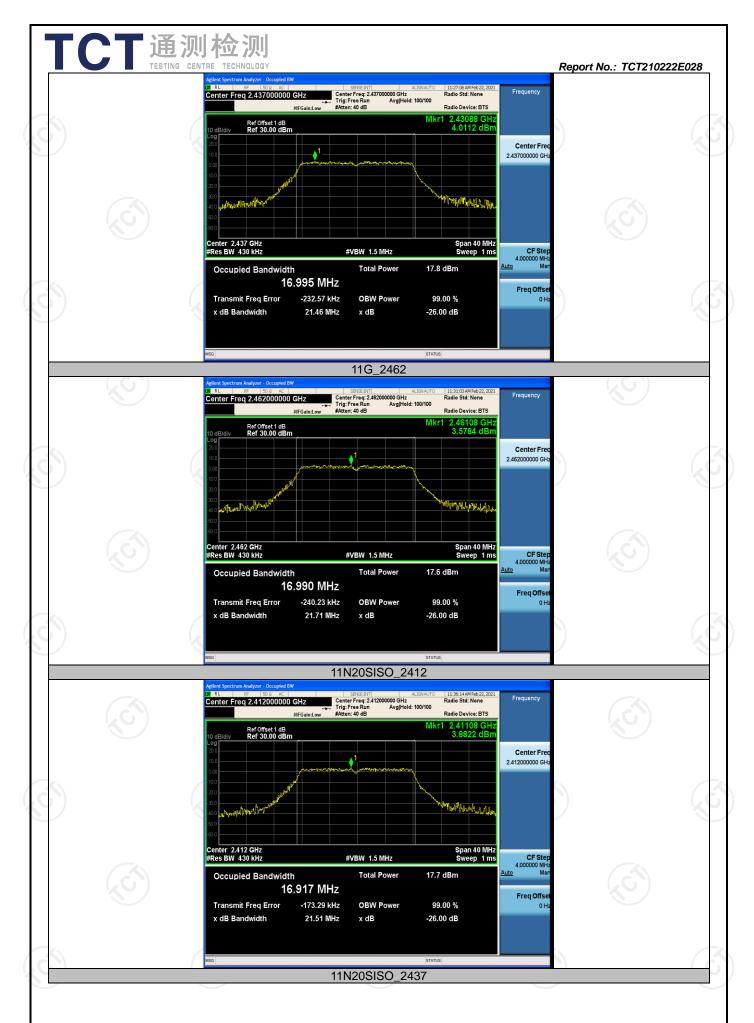
Test Result

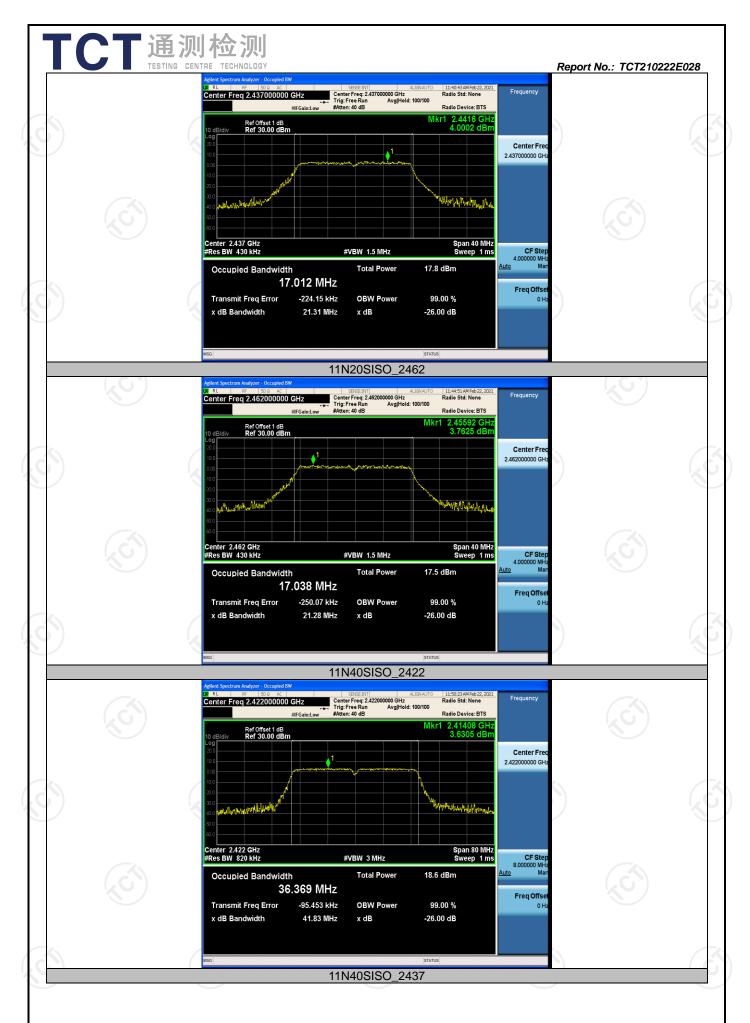
| Test Mode | Channel | OCB [MHz] | FL [MHz] | FH [MHz] | Limit [MHz] | Verdict |
|-----------|---------|-----------|----------|----------|-------------|---------|
| | 2412 | 13.461 | 2405.169 | 2418.630 | | PASS |
| 11B | 2437 | 13.406 | 2430.167 | 2443.573 | | PASS |
| | 2462 | 13.397 | 2455.153 | 2468.550 | | PASS |
| | 2412 | 17.028 | 2403.263 | 2420.291 | | PASS |
| 11G | 2437 | 16.995 | 2428.270 | 2445.265 | | PASS |
| | 2462 | 16.990 | 2453.265 | 2470.255 | | PASS |
| | 2412 | 16.917 | 2403.368 | 2420.285 | | PASS |
| 11N20SISO | 2437 | 17.012 | 2428.270 | 2445.282 | (| PASS |
| | 2462 | 17.038 | 2453.231 | 2470.269 | 7 | PASS |
| | 2422 | 36.369 | 2403.720 | 2440.089 | | PASS |
| 11N40SISO | 2437 | 36.321 | 2418.700 | 2455.021 | | PASS |
| | 2452 | 36.318 | 2433.705 | 2470.023 | | PASS |

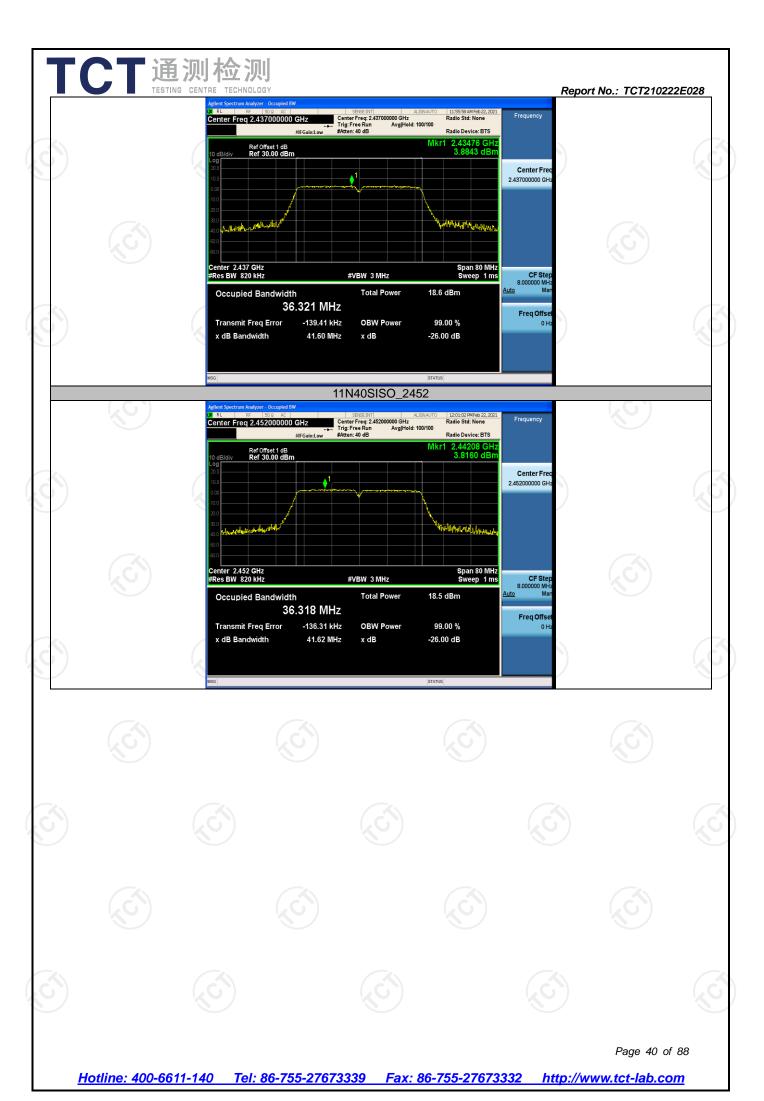
Test Graphs













Maximum conducted output power

Test Result

| Test Mode | Channel | Result [dBm] | Limit [dBm] | Verdict |
|-----------|---------|--------------|-------------|---------|
| | 2412 | 13.53 | <=30 | PASS |
| 11B | 2437 | 16.06 | <=30 | PASS |
| (C) | 2462 | 15.94 | <=30 | PASS |
| | 2412 | 11.87 | <=30 | PASS |
| 11G | 2437 | 11.80 | <=30 | PASS |
| | 2462 | 11.43 | <=30 | PASS |
| | 2412 | 11.67 | <=30 | PASS |
| 11N20SISO | 2437 | C11.77 | <=30 | PASS |
| | 2462 | 11.43 | <=30 | PASS |
| | 2422 | 11.77 | <=30 | PASS |
| 11N40SISO | 2437 | 11.80 | <=30 | PASS |
| | 2452 | 11.61 | <=30 | PASS |

Test Graphs

