TEST REPORT

「CT通测检测 TESTING CENTRE TECHNOLOGY

> FCC ID: 2AKIN-CNMD0016 Product: CINEMOOD STORYTELLER Model No.: CNMD0019 Additional Model No.: CNMD0019XX Trade Mark: CINEMOOD Report No.: TCT190416E911 Issued Date: Apr. 23, 2019

CINEMOOD Trendsetters co. 2711 Centerville Road, Suite 400, Wilmington, New Castle County, Delaware, 19808 United States

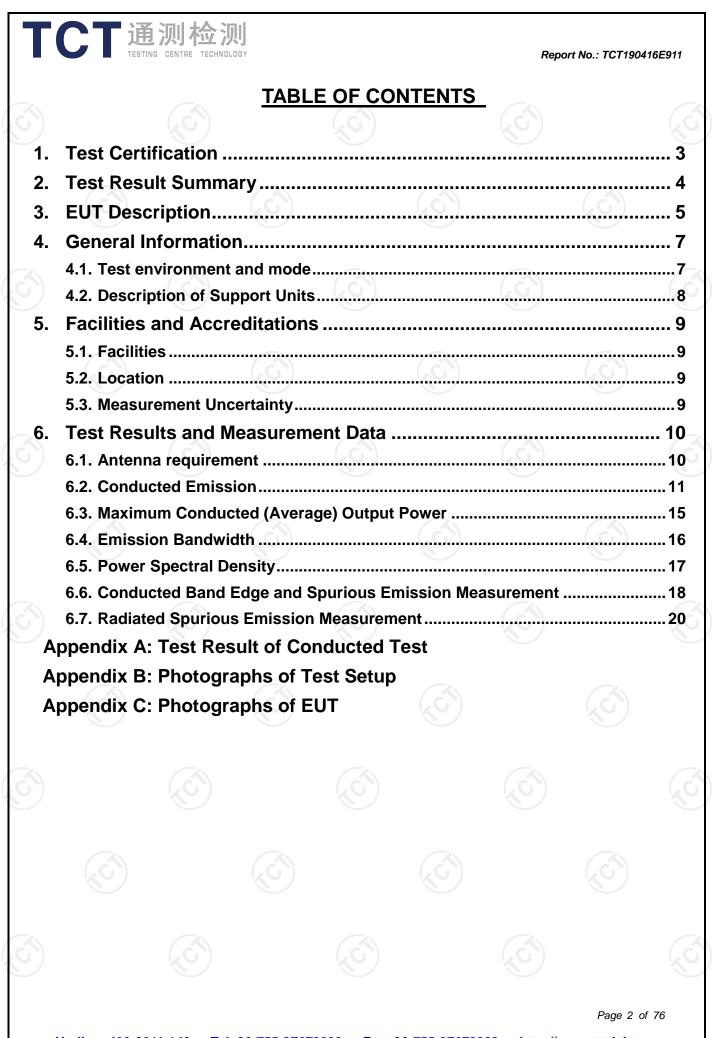
Issued By:

Issued for:

Shenzhen Tongce Testing Lab. 1B/F., Building 1, Yibaolai Industrial Park, Qiaotou, Fuyong, Baoan District, Shenzhen, Guangdong, China TEL: +86-755-27673339 FAX: +86-755-27673332

This test report was based on TCT180628E028; Only change model No., adapter, Secondary components and photographs of EUT.

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1. Test Certification

| Product: | CINEMOOD STORYTELLER | |
|--------------------------|--|------------------|
| Model No.: | CNMD0019 | |
| Additional Model: | CNMD0019XX | |
| Trade Mark: | | |
| Applicant: | CINEMOOD Trendsetters co. | |
| Address: | 2711 Centerville Road, Suite 400, Wilmington, New Castle County, Delaware, 19808 United States | (j) |
| Manufacturer: | Jiuzhou Group(Hong Kong)Holdings Limited | |
| Address: | Jiuzhou Industrial Park, Gongming, Guangming New District, Shenzhen, China | |
| Date of Test: | Jun. 29, 2018 – Apr. 22, 2019 | |
| Applicable Standards: | FCC CFR Title 47 Part 15 Subpart C Section 15.247 KDB 558074 D01 DTS Meas Guidance v04 | Real Contraction |

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: | Tim Wang | Date: | Apr. 22, 2019 |
|--------------|------------------------|------------|---------------|
| Reviewed By: | Jin Wang Bern there | – Date: | Apr. 23, 2019 |
| Approved By: | Beryl Zhao TomSm | Date: | Apr. 23, 2019 |
| | Tomsin | _ | |
| | | | Page 3 d |

| Requirement | CFR 47 Section | Result |
|---|----------------------------------|--------|
| Antenna requirement | §15.203/§15.247 (c) | PASS |
| AC Power Line Conducted Emission | §15.207 | PASS |
| 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 |
| PASS: Test item meets the require Fail: Test item does not meet the N/A: Test case does not apply to The test result judgment is decided | requirement. the test object. | |
| Fail: Test item does not meet the N/A: Test case does not apply to | requirement. the test object. | |
| Fail: Test item does not meet the N/A: Test case does not apply to | requirement. the test object. | |
| Fail: Test item does not meet the N/A: Test case does not apply to | requirement. the test object. | |
| Fail: Test item does not meet the N/A: Test case does not apply to | requirement. the test object. | |



3. EUT Description

TCT 通测检测 TESTING CENTRE TECHNOLOGY

| Product: | CINEMOOD STORYTELLER |
|--|---|
| Model No.: | CNMD0019 |
| Additional Model: | CNMD0019XX: XX – It's regional code like US/RU/EU, etc. |
| Trade Mark: | |
| Hardware Version: | Main Board: V1.7 Key Board: V1.4 |
| Software Version: | 1239 |
| 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: | 2dBi |
| Power Supply: | Rechargeable Li-ion battery DC 3.7V |
| AC adapter: | Adapter Information: MODEL: AS1201A-0502000USU INPUT: AC 100-240V, 50/60Hz, 0.35A OUTPUT: DC 5V, 2.0A |
| Remark: | All models above are identical in interior structure, electrical circuits and components, and just model names are different for the marketing requirement. |

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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 | | (XC-) |

Operation Frequency each of channel For 802.11n (HT40)

| Channel | Frequency | Channel | Frequency | Channel | Frequency | Channel | Frequency |
|---------|-----------|---------|-----------|---------|-----------|---------|-----------|
| | 2 | 4 | 2427MHz | 7 | 2442MHz | | |
| | - | 5 | 2432MHz | 8 | 2447MHz | | |
| 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 |

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4. General Information

4.1. Test environment and mode

Operating Environment:

| Temperature: | 25.0 °C | |
|-----------------------|-----------|--|
| Humidity: | 56 % RH | |
| Atmospheric Pressure: | 1010 mbar | |

Test Mode:

| Engineering mode: | Keep the EUT in continuous transmitting by select channel and modulations(The |
|-------------------|---|
| | value of duty cycle is 98.46%) |

The sample was placed (0.8m below 1GHz, 1.5m 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 are shown in Test Results of the following pages. For the full battery state and The output power to the maximum state.

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 t EUT continuous transmit/receive. | test program was provided and enabled to make |

2. According to ANSI C63.10 standards, the test results are both the "worst case" and

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"worst setup" 1Mbps for 802.11b, 6Mbps for 802.11g, 6.5Mbps for 802.11n(H20), 13.5Mbps for 802.11(H40). Duty cycle setting during the transmission is 98.5% with maximum power setting for all modulations.

4.2. Description of Support Units

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

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

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 TCT Testing Technology Co., Ltd. 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 | MU | |
|-----|-------------------------------|-----------------|--|
| 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% | |

Report No.: TCT190416E911 Test Results and Measurement Data 6. 6.1. Antenna requirement FCC Part15 C Section 15.203 /247(c) **Standard requirement:** 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 2dBi. WIFI ANT ng 09 Page 10 of 76

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6.2. Conducted Emission

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6.2.1. Test Specification

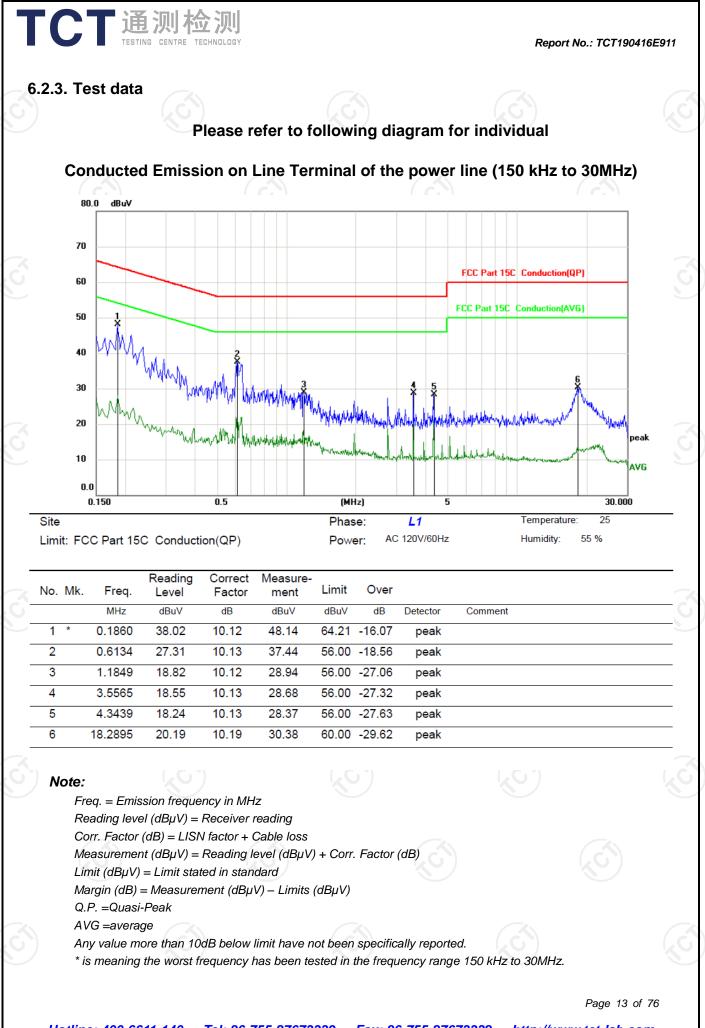
| Test Requirement: | FCC Part15 C Section | FCC Part15 C Section 15.207 | | | |
|-------------------|---|--|---|--|--|
| Test Method: | ANSI C63.10:2013 | ANSI C63.10:2013 | | | |
| Frequency Range: | 150 kHz to 30 MHz | | | | |
| Receiver setup: | RBW=9 kHz, VBW=30 | kHz, Sweep time | =auto | | |
| Limits: | Frequency range (MHz) 0.15-0.5 0.5-5 5-30 | Limit (Quasi-peak 66 to 56* 56 60 | dBuV) Average 56 to 46* 46 50 | | |
| Test Setup: | Reference Plane | | | | |
| Test Mode: | Charging + transmittin | Charging + transmitting with modulation | | | |
| Test Procedure: | The E.U.T is connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm/50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refer to the block diagram of the test setup and photographs). Both sides of A.C. line are checked for maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10: 2013 on conducted measurement. | | | | |
| Test Result: | PASS | | | | |

6.2.2. Test Instruments

| Conducted Emission Shielding Room Test Site (843) | | | | | |
|---|-----------------------|-----------|---------------|-----------------|--|
| Equipment | Manufacturer | Model | Serial Number | Calibration Due | |
| Test Receiver | R&S | ESPI | 101402 | Jul. 17, 2019 | |
| LISN | Schwarzbeck | NSLK 8126 | 8126453 | Sep. 20, 2019 | |
| Coax cable (9KHz-30MHz) | тст | CE-05 | N/A | Sep. 16, 2019 | |
| 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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TCT通测检测 TESTING CENTRE TECHNOLOGY Report No.: TCT190416E911 Conducted Emission on Neutral Terminal of the power line (150 kHz to 30MHz) 80.0 dBuV 70 FCC Part 15C Conduction(QP) 60 FCC Part 15C Conduction(AVG) 50 40 30 20 10 AVG 0.0 0.150 0.5 (MHz) 5 30.000 Site Phase: N Temperature: 25 Limit: FCC Part 15C Conduction(QP) AC 120V/60Hz Humidity: 55 % Power: Reading Correct Measure-Limit Over No. Mk. Freq. Level Factor ment

| | MHz | dBuV | dB | dBuV | dBuV | dB | Detector | Comment | |
|-----|---------|-------|-------|-------|-------|--------|----------|---------|--|
| 1 | 0.2040 | 34.41 | 10.13 | 44.54 | 63.45 | -18.91 | peak | | |
| 2 | 0.3165 | 27.80 | 10.13 | 37.93 | 59.80 | -21.87 | peak | | |
| 3 * | 0.6180 | 27.17 | 10.13 | 37.30 | 56.00 | -18.70 | peak | | |
| 4 | 1.9770 | 17.72 | 10.12 | 27.84 | 56.00 | -28.16 | peak | | |
| 5 | 3.5610 | 18.42 | 10.13 | 28.55 | 56.00 | -27.45 | peak | | |
| 6 | 18.3660 | 17.83 | 10.19 | 28.02 | 60.00 | -31.98 | peak | | |
| | | | | | | | | | |

Note:

Freq. = Emission frequency in MHz Reading level $(dB\mu V)$ = Receiver reading Corr. Factor (dB) = LISN factor + Cable loss Measurement $(dB\mu V)$ = Reading level $(dB\mu V)$ + Corr. Factor (dB)Limit $(dB\mu V)$ = Limit stated in standard Margin (dB) = Measurement $(dB\mu V)$ - Limits $(dB\mu V)$ Q.P. =Quasi-Peak AVG =average Any value more than 10dB below limit have not been specifically reported.

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

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6.3. Maximum Conducted (Average) Output Power

| 6.3.1. Tes | t Specification |
|------------|-----------------|
|------------|-----------------|

| Test Requirement: | FCC Part15 C Section 1 | 5.247 (b)(3) | |
|-------------------|--|---|--|
| Test Method: | KDB 558074 | | |
| Limit: | 30dBm | | |
| Test Setup: | Spectrum Analyzer | EUT | |
| Test Mode: | Transmitting mode with | modulation | |
| Test Procedure: | FCC KDB No. 55807 v04. 2. The RF output of EUT analyzer by RF cable was compensated to measurement. 3. Set to the maximum p EUT transmit continu | oower setting and enable the lously. ed output power and record the | |
| Test Result: | PASS | | |

6.3.2. Test Instruments

| RF Test Room | | | | | | |
|----------------------------|--------------|--------|---------------|-----------------|--|--|
| Equipment | Manufacturer | Model | Serial Number | Calibration Due | | |
| Spectrum Analyzer | Agilent | N9020A | MY49100060 | Sep. 27, 2018 | | |
| RF Cable (9KHz-26.5GHz) | тст | RE-06 | N/A | Sep. 27, 2018 | | |
| Antenna Connector | тст | RFC-01 | N/A | Sep. 27, 2018 | | |

Note: The calibration interval of the above test instruments is 12 months and the calibrations are traceable to

international system unit (SI).

6.4. Emission Bandwidth

6.4.1. Test Specification

| Test Requirement: | FCC Part15 C Section 15.247 (a)(2) | | | | |
|-------------------|--|--|--|--|--|
| Test Method: | KDB 558074 | | | | |
| Limit: | >500kHz | | | | |
| Test Setup: | | | | | |
| T | Spectrum Analyzer EUT | | | | |
| Test Mode: | Transmitting mode with modulation | | | | |
| Test Procedure: | The testing follows FCC KDB Publication No. 558074 DTS D01 Meas. Guidance v04. 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 Due | | |
| Spectrum Analyzer | Agilent | N9020A | MY49100060 | Sep. 27, 2018 | | |
| RF Cable (9KHz-26.5GHz) | тст | RE-06 | N/A | Sep. 27, 2018 | | |
| Antenna Connector | тст | RFC-01 | N/A | Sep. 27, 2018 | | |

Note: The calibration interval of the above test instruments is 12 months and the calibrations are traceable to

international system unit (SI).

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 greater than 8dBm in any 3kHz band at any time interval of continuous transmission. |
| Test Setup: | |
| | Spectrum Analyzer EUT |
| Test Mode: | Transmitting mode with modulation |
| Test Procedure: | The testing follows Measurement Procedure 10.3 Method AVGPSD of FCC KDB Publication No.558074 D01 DTS Meas. Guidance v04 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 Due | | | |
| Spectrum Analyzer | Agilent | N9020A | MY49100060 | Sep. 27, 2018 | | | |
| RF Cable (9KHz-26.5GHz) | тст | RE-06 | N/A | Sep. 27, 2018 | | | |
| Antenna Connector | тст | RFC-01 | N/A | Sep. 27, 2018 | | | |

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

| Test Requirement: | FCC Part15 C Section 15.247 (d) |
|-------------------|--|
| Test Method: | KDB558074 |
| Limit: | In any 100 kHz bandwidth outside of the authorized frequency band, the emissions which fall in the non-restricted bands shall be attenuated at least 20 dB / 30dB relative to the maximum PSD level in 100 kHz by RF conducted measurement and radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a). |
| Test Setup: | |
| Test Mode: | Spectrum Analyzer EUT Transmitting mode with modulation Image: Contemport |
| Test Procedure: | The testing follows FCC KDB Publication No. 558074 D01 DTS Meas. Guidance v04. 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 |
| Test Result: | PASS |

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6.6.2. Test Instruments

Hotline: 400-6611-140 Tel: 86-755-27673339

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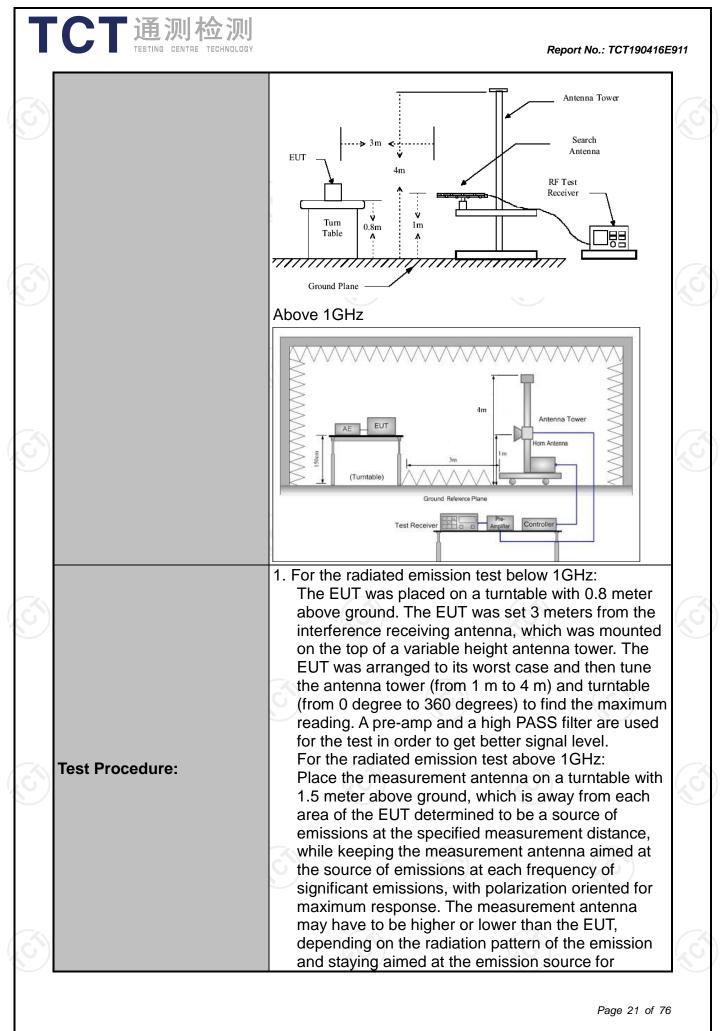
| | RF Test Room | | | | | | | | | | | |
|----------------------------|--------------|--------|---------------|-----------------|--|--|--|--|--|--|--|--|
| Equipment | Manufacturer | Model | Serial Number | Calibration Due | | | | | | | | |
| Spectrum Analyzer | Agilent | N9020A | MY49100060 | Sep. 27, 2018 | | | | | | | | |
| RF Cable (9KHz-26.5GHz) | тст | RE-06 | N/A | Sep. 27, 2018 | | | | | | | | |
| Antenna Connector | тст | RFC-01 | N/A | Sep. 27, 2018 | | | | | | | | |

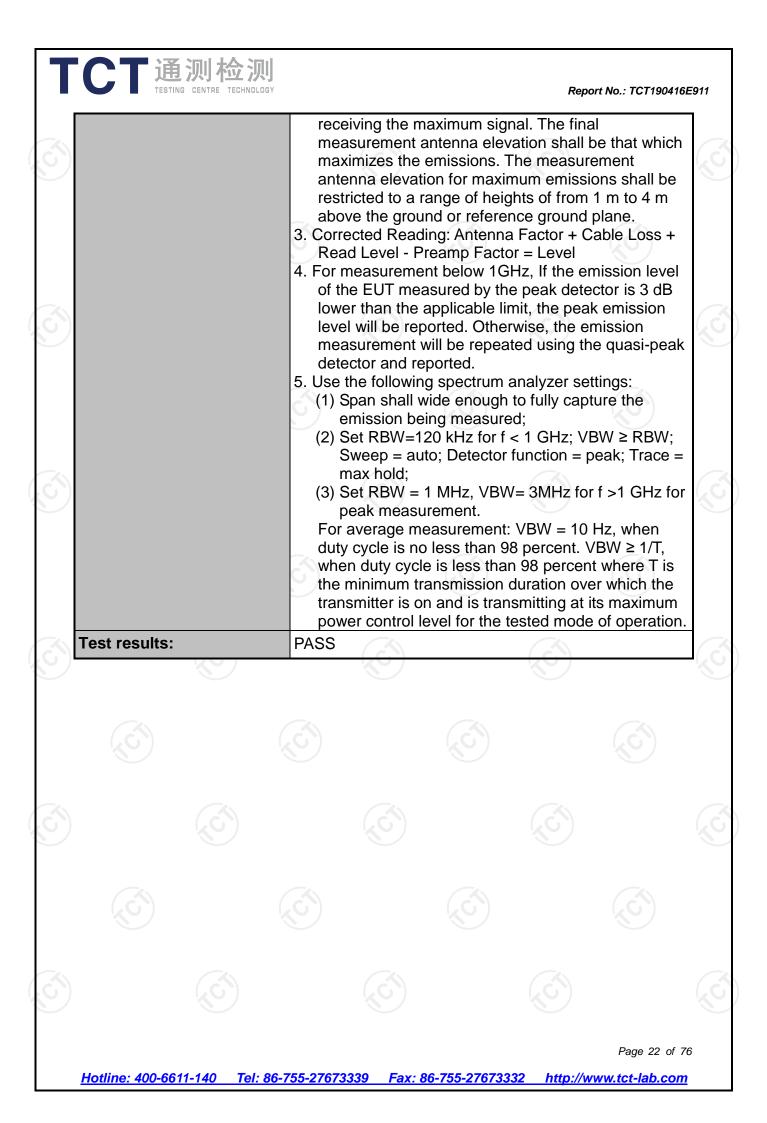
Note: The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).

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 | \mathcal{G} | | () | (\mathbf{G}) |
| Frequency Range: | 9 kHz to 25 (| GHz | | | , | |
| Measurement Distance: | 3 m | - | | | | |
| Antenna Polarization: | Horizontal & | Vertical | | (c) | | |
| Operation mode: | Transmitting | mode with | n modulat | ion | | |
| Paggiyar Satur | Frequency 9kHz- 150kHz 150kHz- | Detector Quasi-peak Quasi-peak | No. A Contraction of the second secon | VBW 1kHz 30kHz | Quas | Remark i-peak Value i-peak Value |
| Receiver Setup: | 30MHz 30MHz-1GHz Above 1GHz | Quasi-peak Peak Peak | 120KHz 1MHz 1MHz | 300KHz 3MHz 10Hz | Pe | i-peak Value eak Value rage Value |
| | Frequen | | Field Stre (microvolts | ength | Mea | asurement nce (meters) |
| | 0.009-0.4 | | 2400/F(I 24000/F(| | | 300 30 |
| | 1.705-3 | 1 | 24000/F(30 | | 30 | |
| | 30-88 | | 100 | | | 3 |
| | 88-216 | | <u>150</u> 200 | | | 3 |
| mit: | 216-96 | Above 960 | | | | 3 |
| | Above 9 | | 500 | | <u> </u> | 5 |
| | Frequency | | I Strength volts/meter) | Measure Distan (mete | се | Detector |
| | Above 1GH | z | 500 5000 | 3 | | Average Peak |
| | For radiated | emissions | below 30 |)MHz | | |
| | Di bi | stance = 3m | | | Compu | ler |
| Test setup: | EUT | Turn table | | Pre - | Amplifier | |
| | | Ground | Plane | | Receiver | <u>}</u> |
| | 30MHz to 10 | iΗz | | | | |
| | | | | | | |
| | | | | | | Page 20 of 7 |

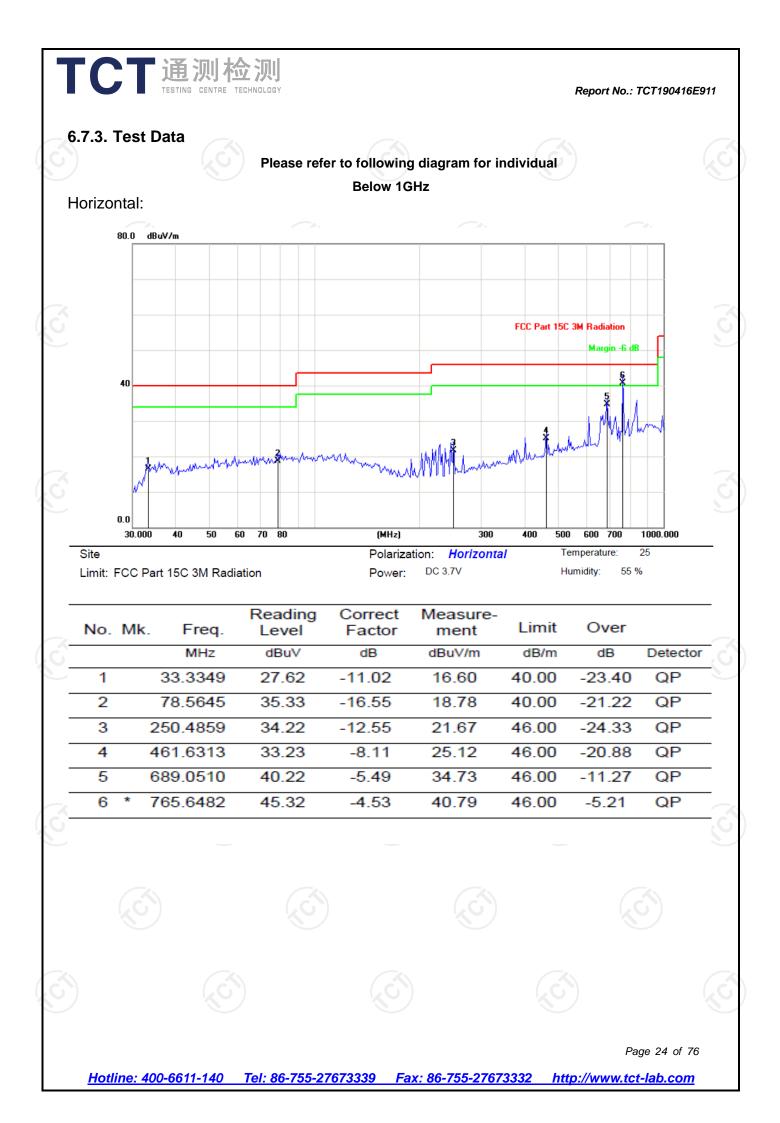


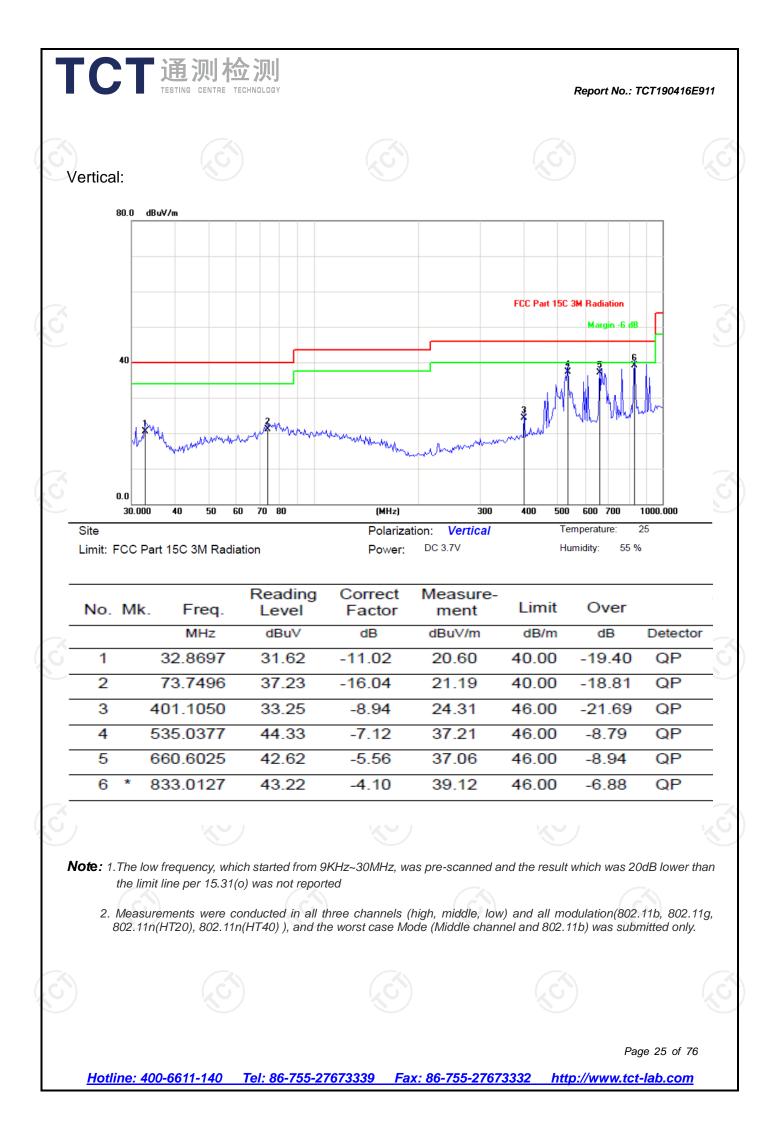


6.7.2. Test Instruments

| | Radiated Em | ission Test Site | e (966) | |
|----------------------------|--|------------------|------------------|-----------------|
| Name of Equipment | Manufacturer | Model | Serial Number | Calibration Due |
| Test Receiver | ROHDE&SCHW ARZ | ESIB7 | 100197 | Jul. 17, 2019 |
| Spectrum Analyzer | ROHDE&SCHW ARZ | FSQ40 | 200061 | Sep. 20, 2019 |
| Pre-amplifier | EM Electronics Corporation CO.,LTD | EM30265 | 07032613 | Sep. 16, 2019 |
| Pre-amplifier | HP | 8447D | 2727A05017 | Sep. 16, 2019 |
| Loop antenna | ZHINAN | ZN30900A | 12024 | Oct. 20, 2019 |
| Broadband Antenna | Schwarzbeck | VULB9163 | 340 | Sep. 02, 2019 |
| Horn Antenna | Schwarzbeck | BBHA 9120D | 631 | Oct. 20, 2019 |
| Horn Antenna | A-INFO | LB-180400-KF | J211020657 | Sep. 16, 2019 |
| Antenna Mast | Keleto | RE-AM | N/A | N/A |
| Coax cable (9KHz-1GHz) | тст | RE-low-01 | N/A | Sep. 16, 2019 |
| Coax cable (9KHz-40GHz) | тст | RE-high-02 | N/A | Sep. 16, 2019 |
| Coax cable (9KHz-1GHz) | ТСТ | RE-low-03 | N/A | Sep. 16, 2019 |
| Coax cable (9KHz-40GHz) | тст | RE-high-04 | N/A | Sep. 16, 2019 |
| 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).





| Report No.: | TCT190416E911 |
|-------------|---------------|
|-------------|---------------|

| | | | lation Type: 80 channel: 2412 | | 1 | |
|--------------------|------------------|------------------------|----------------------------------|---------------------------------|------------------------|----------------------|
| Frequency (MHz) | Ant. Pol. H/V | Peak reading (dBµV) | Correction Factor (dB/m) | Peak Final Emission Level | Peak limit (dBµV/m) | AV limit (dBµV/m) |
| 2310 | Н | 45.36 | -4.20 | 41.16 | 74.00 | 54.00 |
| 2377.38 | Н | 48.21 | -4.10 | 44.11 | 74.00 | 54.00 |
| 2390 | Н | 53.75 | -3.94 | 49.81 | 74.00 | 54.00 |
| 2310 | V | 44.03 | -4.20 | 39.83 | 74.00 | 54.00 |
| 2377.38 | V | 54.48 | -4.10 | 50.38 | 74.00 | 54.00 |
| 2390 | V | 55.17 | -3.94 | 51.23 | 74.00 | 54.00 |
| | (.G) | | lation Type: 80 | | (.C) | |
| | | High | channel: 2462 | | | |
| Frequency (MHz) | Ant. Pol. H/V | Peak reading (dBµV) | Correction Factor (dB/m) | Peak Final Emission Level | Peak limit (dBµV/m) | AV limit (dBµV/m) |
| 2483.5 | Н | 51.63 | -3.60 | 48.03 | 74.00 | 54.00 |
| 2487.09 | Н | 47.58 | -3.50 | 44.08 | 74.00 | 54.00 |
| 2500 | Н | 45.07 | -3.34 | 41.73 | 74.00 | 54.00 |
| 2483.5 | V | 54.34 | -3.60 | 50.74 | 74.00 | 54.00 |
| 2487.09 | V | 47.29 | -3.50 | 43.79 | 74.00 | 54.00 |
| 2500 | V | 42.44 | -3.34 | 39.10 | 74.00 | 54.00 |
| | | Low | channel: 2412 | | | |
| Frequency (MHz) | Ant. Pol. H/V | Peak reading (dBµV) | Correction Factor (dB/m) | Peak Final Emission Level | Peak limit (dBµV/m) | AV limit (dBµV/m) |
| 2310 | Н | 43.08 | -4.20 | 38.88 | 74.00 | 54.00 |
| 2388.96 | Н | 50.14 | -4.12 | 46.02 | 74.00 | 54.00 |
| 2390 | Н | 53.63 | -3.94 | 49.69 | 74.00 | 54.00 |
| 2310 | V | 45.79 | -4.20 | 41.59 | 74.00 | 54.00 |
| 2388.96 | V | 49.25 | -4.12 | 45.13 | 74.00 | 54.00 |
| 2390 | V | 54.97 | -3.94 | 51.03 | 74.00 | 54.00 |
| | | | lation Type: 80 | | | |
| | | High | channel: 2462 | | | |
| Frequency (MHz) | Ant. Pol. H/V | Peak reading (dBµV) | Correction Factor (dB/m) | Peak Final Emission Level | Peak limit (dBµV/m) | AV limit (dBµV/m) |
| 2483.5 | Н | 52.26 | -3.60 | 48.66 | 74.00 | 54.00 |
| 2487.59 | Н | 50.74 | -3.52 | 47.22 | 74.00 | 54.00 |
| 0500 | Н | 46.35 | -3.34 | 43.01 | 74.00 | 54.00 |
| 2500 | V | 51.48 | -3.60 | 47.88 | 74.00 | 54.00 |
| 2483. 5 | | | | | | |
| | V | 47.14 47.62 | -3.52 -3.34 | 43.62 44.28 | 74.00 74.00 | 54.00 54.00 |

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| | | | n Type: 802.11 channel: 2412 | | | |
|--------------------|------------------|------------------------|---------------------------------|---------------------------------|------------------------|---------------------|
| Frequency (MHz) | Ant. Pol. H/V | Peak reading (dBµV) | Correction Factor (dB/m) | Peak Final Emission Level | Peak limit (dBµV/m) | AV limit (dBµV/m |
| 2310 | Н | 46.17 | -4.20 | 41.97 | 74.00 | 54.00 |
| 2388.01 | Н | 53.65 | -4.10 | 49.55 | 74.00 | 54.00 |
| 2390 | Н | 54.24 | -3.94 | 50.30 | 74.00 | 54.00 |
| 2310 | V | 48.03 | -4.20 | 43.83 | 74.00 | 54.00 |
| 2388.01 | V | 54.89 | -4.10 | 50.79 | 74.00 | 54.00 |
| 2390 | V | 55.52 | -3.94 | 51.58 | 74.00 | 54.00 |
| 1 | | Modulatio | n Type: 802.11 | n(20MHz) | L | L |
| | | | channel: 2462 | | | |
| Frequency (MHz) | Ant. Pol. H/V | Peak reading (dBµV) | Correction Factor (dB/m) | Peak Final Emission Level | Peak limit (dBµV/m) | AV limit (dBµV/m |
| 2483.5 | Н | 52.75 | -3.60 | 49.15 | 74.00 | 54.00 |
| 2392.55 | H | 51.43 | -3.50 | 47.93 | 74.00 | 54.00 |
| 2500 | H | 47.82 | -3.34 | 44.48 | 74.00 | 54.00 |
| 2483.5 | V | 53.14 | -3.60 | 49.54 | 74.00 | 54.00 |
| 2392.55 | V | 50.89 | -3.50 | 47.39 | 74.00 | 54.00 |
| 2500 | V | 48.33 | -3.34 | 44.99 | 74.00 | 54.00 |
| -requency | Ant. Pol. | Peak reading | Correction Factor | Peak Final Emission | Peak limit | AV limit |
| (MHz) | H/V | (dBµV) | (dB/m) | Level | (dBµV/m) | (dBµV/m |
| 2310 | Н | 50.16 | -4.20 | 45.96 | 74.00 | 54.00 |
| 2387.85 | Н | 55.08 | -4.10 | 50.98 | 74.00 | 54.00 |
| 2390 | Н | 52.54 | -3.94 | 48.60 | 74.00 | 54.00 |
| 2310 | V | 51.36 | -4.20 | 47.16 | 74.00 | 54.00 |
| 2389.98 | V | 50.77 | -4.10 | 46.67 | 74.00 | 54.00 |
| 2390 | V | 49.93 | -3.94 | 45.99 | 74.00 | 54.00 |
| | | | n Type: 802.11 | | | |
| | | High | channel: 2452 | | | |
| Frequency (MHz) | Ant. Pol. H/V | Peak reading (dBµV) | Correction Factor (dB/m) | Peak Final Emission Level | Peak limit (dBµV/m) | AV limit (dBµV/m |
| 2483.5 | Н | 52.48 | -3.60 | 48.88 | 74.00 | 54.00 |
| 2493.51 | Н | 54.13 | -3.50 | 50.63 | 74.00 | 54.00 |
| 2500 | Н | 49.57 | -3.34 | 46.23 | 74.00 | 54.00 |
| 2493.51 | V | 54.08 | -3.60 | 50.48 | 74.00 | 54.00 |
| 2489.36 | V | 52.65 | -3.46 | 49.19 | 74.00 | 54.00 |
| 2500 | V | 50.24 | -3.34 | 46.90 | 74.00 | 54.00 |
| ote: | | | | | | |

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| | | | М | Above Iodulation T | 9 1GHz ype: 802.11 | 1b | | | | |
|-----------------------|------------------|---------------------------|----------------------|--------------------------------|------------------------------|----------------------------|------------------------|----------|----------------|--|
| Low channel: 2412 MHz | | | | | | | | | | |
| Frequency (MHz) | Ant. Pol. H/V | Peak reading (dBµV) | AV reading (dBuV) | Correction Factor (dB/m) | Emissio Peak (dBµV/m) | on Level AV (dBµV/m) | Peak limit (dBµV/m) | | Margin (dB) | |
| 4824 | H | 48.24 | | 0.75 | 48.99 | í | 74 | 54 | -5.01 | |
| 7236 | ΩĤ | 39.07 | LO. | 9.87 | 48.94 | <u>,0</u> , | 74 | 54 | -5.06 | |
| | Ĥ | | <u></u> | | | | | | | |
| 4824 | V | 47.45 | | 0.75 | 48.20 | | 74 | 54 | -5.80 | |
| 7236 | V | 40.31 | | 9.87 | 50.18 | | 74 | 54 | -3.82 | |
| 5) | V | | | (. (| | | $(-\Theta)$ | | (| |
| \supset | | | · · · · · · | <u> </u> | \supset | | | <u> </u> | 0 | |

| | | | | M | iddle chanr | nel: 2437MH | Ιz | | | |
|---|--------------------|------------------|---------------------------|----------------------|--------------------------------|-----------------------------|---------------------------|------------------------|----------------------|----------------|
| | Frequency (MHz) | Ant. Pol. H/V | Peak reading (dBµV) | AV reading (dBµV) | Correction Factor (dB/m) | Emissio Peak (dBµV/m) | n Level AV (dBµV/m) | Peak limit (dBµV/m) | AV limit (dBµV/m) | Margin (dB) |
| Γ | 4874 | Сн | 49.17 | | 0.97 | 50.14 | 24 | 74 | 54 | -3.86 |
| | 7311 | Н | 40.23 | | 9.83 | 50.06 | | 74 | 54 | -3.94 |
| F | | Н | | | | | | | | |
| | 4874 | V | 49.57 | | 0.97 | 50.54 | | 74 | 54 | -3.46 |
| 9 | 7311 | V | 38.79 | | 9.83 | 48.62 | | 74 | 54 | -5.38 |
| | | V | | | 2 | | | | | |

| | High channel: 2462 MHz | | | | | | | | | | |
|--------------------|---|-------|--|-------|-------|---------------------------|------------------------|----------------------|----------------|--|--|
| Frequency (MHz) | Frequency (MHz) Ant. Pol. Peak reading (dBµV) AV reading (dBµV) | | | | | n Level AV (dBµV/m) | Peak limit (dBµV/m) | AV limit (dBµV/m) | Margin (dB) | | |
| 4924 | Н | 49.08 | | 1.18 | 50.26 | | 74 | 54 | -3.74 | | |
| 7386 | Н | 39.15 | | 10.07 | 49.22 | | 74 | 54 | -4.78 | | |
| | Н | | | | | | | | | | |
| | | | | | | | | | | | |
| 4924 | V | 49.81 | | 1.18 | 50.99 | | 74 | 54 | -3.01 | | |
| 7386 | V | 40.04 | | 10.07 | 50.11 | | 74 | 54 | -3.89 | | |
| | V | | | | | | | | | | |

Note:

TCT通测检测 TESTING CENTRE TECHNOLOGY

1. Emission Level=Peak Reading + Correction Factor; Correction Factor= Antenna Factor + Cable loss - Pre-amplifier

2. Margin (dB) = Emission Level (Peak) (dB μ V/m)-Average limit (dB μ V/m)

3. The emission levels of other frequencies are very lower than the limit and not show in test report.

4. Measurements were conducted from 1 GHz to the 10th harmonic of highest fundamental frequency. The highest test frequency is 25GHz.

5. Data of measurement shown "---"in the above table mean that the reading of emissions is attenuated more than 20 dB below the limits or the field strength is too small to be measured.

| | Modulation Type: 802.11g | | | | | | | | | | | |
|-----------|--|-------------------|--------|------------------|------------------|---------------------|----------|----------|----------------|--|--|--|
| - | | | L | ow channe | I: 2412 MH | z | | | | | | |
| Frequency | Frequency Ant. Pol. Peak AV reading Correction Emission Level Peak limit AV limit Margir | | | | | | | | | | | |
| (MHz) | H/V | reading (dBµV) | (dBuV) | Factor (dB/m) | Peak (dBµV/m) | AV (dBµV/m) | (dBµV/m) | (dBµV/m) | Margin (dB) | | | |
| 4824 | Н | 49.28 | | 0.75 | 50.03 | | 74 | 54 | -3.97 | | | |
| 7236 | Н | 40.53 | | 9.87 | 50.40 | | 74 | 54 | -3.60 | | | |
| | H | | | | | | | | | | | |
| | (\mathbf{G}) | | (JC) |) | () | $\langle O \rangle$ | | | | | | |
| 4824 | V | 47.41 | | 0.75 | 48.16 | | 74 | 54 | -5.84 | | | |
| 7236 | V | 40.29 | | 9.87 | 50.16 | | 74 | 54 | -3.84 | | | |
| | V | | | | | | | | | | | |
| | | | | | | | | | | | | |

| | | (G) | М | iddle chann | el: 2437MH | Ηz | (G) | | | |
|--------------------|------------------|---------------------------|----------------------|--------------------------------|-----------------------------|---------------------------|------------------------|----------------------|----------------|---|
| Frequency (MHz) | Ant. Pol. H/V | Peak reading (dBµV) | AV reading (dBµV) | Correction Factor (dB/m) | Emissic Peak (dBµV/m) | n Level AV (dBµV/m) | Peak limit (dBµV/m) | AV limit (dBµV/m) | Margin (dB) | |
| 4874 | Н | 48.12 | | 0.97 | 49.09 | | 74 | 54 | -4.91 | |
| 7311 | H | 40.48 | | 9.83 | 50.31 | | 74 | 54 | -3.69 | |
| | R H | | | | | | | 1 K | / | |
| | | | | | | | | | | |
| 4874 | V | 47.82 | | 0.97 | 48.79 | | 74 | 54 | -5.21 |] |
| 7311 | V | 40.51 | | 9.83 | 50.34 | | 74 | 54 | -3.66 | |
| | V | | | (| | | | | (| K |

| | | | F | Z | | | <i>C</i> | | |
|--------------------|------------------|---------------------------|----------------------|--------------------------------|-----------------------------|---------------------------|------------------------|----------------------|----------------|
| Frequency (MHz) | Ant. Pol. H/V | Peak reading (dBµV) | AV reading (dBµV) | Correction Factor (dB/m) | Emissic Peak (dBµV/m) | n Level AV (dBµV/m) | Peak limit (dBµV/m) | AV limit (dBµV/m) | Margin (dB) |
| 4924 | H | 47.75 | | 1.18 | 48.93 | | 74 | 54 | -5.07 |
| 7386 | H | 39.69 | | 10.07 | 49.76 | - | 74 | 54 | -4.24 |
| | Н | | | | | | | | |
| 4924 | V | 46.59 | | 1.18 | 47.77 | | 74 | 54 | -6.23 |
| 7386 | V | 40.33 | | 10.07 | 50.40 | | 74 | 54 | -3.60 |
| // | V | | | 🔨 | 2 / | | | | X |

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.

Data of measurement shown "---"in the above table mean that the reading of emissions is attenuated more than 20 dB 5. below the limits or the field strength is too small to be measured.

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| | | | | Modu | lation Type: | : 802.11n (H | HT20) | | | |
|---|------------------|------------------------------|---------------------------|----------------------|--------------------------------|-----------------------------|----------------------------------|------------------------|----|----------------|
| _ | | | | L | ow channe | I: 2412 MH | z | | | |
| | equency (MHz) | Ant. Pol. H/V | Peak reading (dBµV) | AV reading (dBuV) | Correction Factor (dB/m) | Emissic Peak (dBµV/m) | n Level AV (dBµV/m) | Peak limit (dBµV/m) | | Margin (dB) |
| | 4824 | Н | 49.03 | | 0.75 | 49.78 | | 74 | 54 | -4.22 |
| | 7236 | Н | 40.45 | | 9.87 | 50.32 | | 74 | 54 | -3.68 |
| | / | Ŧ | | | | | | | | |
| | | $\langle \mathbf{O} \rangle$ | | |) | () | $\langle \mathbf{O}^{*} \rangle$ | | | |
| | 4824 | V | 47.14 | | 0.75 | 47.89 | | 74 | 54 | -6.11 |
| | 7236 | V | 39.86 | | 9.87 | 49.73 | | 74 | 54 | -4.27 |
| | | V | | | | | | | | |
| | | | | | | | | | | |

| C | | | (\mathbf{G}) | М | iddle chanr | el: 2437MF | Ιz | (\mathbf{G}) | | |
|---|--------------------|------------------|---------------------------|----------------------|--------------------------------|-----------------------------|---------------------------|------------------------|----------------------|----------------|
| | Frequency (MHz) | Ant. Pol. H/V | Peak reading (dBµV) | AV reading (dBµV) | Correction Factor (dB/m) | Emissic Peak (dBµV/m) | n Level AV (dBµV/m) | Peak limit (dBµV/m) | AV limit (dBµV/m) | Margin (dB) |
| | 4874 | Н | 47.25 | | 0.97 | 48.22 | | 74 | 54 | -5.78 |
| | 7311 | н | 40.01 | | 9.83 | 49.84 | | 74 | 54 | -4.16 |
| | 1 | Ч Ч | | <u>k</u> o | | | | | <u>K</u> | / |
| | | | | | | | | | | |
| | 4874 | V | 47.35 | | 0.97 | 48.32 | | 74 | 54 | -5.68 |
| | 7311 | V | 40.16 | | 9.83 | 49.99 | | 74 | 54 | -4.01 |
| 1 | | V | | | (| | | | | (|

| High channel: 2462 MHz | | | | | | | | | |
|------------------------|------------------|---------------------------|----------------------|--------------------------------|-----------------------------|---------------------------|------------------------|----------------------|----------------|
| Frequency (MHz) | Ant. Pol. H/V | Peak reading (dBµV) | AV reading (dBµV) | Correction Factor (dB/m) | Emissic Peak (dBµV/m) | n Level AV (dBµV/m) | Peak limit (dBµV/m) | AV limit (dBµV/m) | Margin (dB) |
| 4924 | H | 48.37 | | 1.18 | 49.55 | | 74 | 54 | -4.45 |
| 7386 | Н | 39.96 | | 10.07 | 50.03 | | 74 | 54 | -3.97 |
| | Η | | | | | | | | |
| 4924 | V | 47.12 | | 1.18 | 48.30 | | 74 | 54 | -5.70 |
| 7386 | V | 40.24 | | 10.07 | 50.31 | | 74 | 54 | -3.69 |
| // | V | | | 🔨 | · / | | | | X |

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.

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| | | | L | ow channe | I: 2422 MH | Z | | | |
|--------------------|------------------|---------------------------|----------------------|--------------------------------|-----------------------------|---------------------------|------------------------|----------------------|----------------|
| Frequency (MHz) | Ant. Pol. H/V | Peak reading (dBµV) | AV reading (dBuV) | Correction | | n Level AV (dBµV/m) | Peak limit (dBµV/m) | AV limit (dBµV/m) | Margin (dB) |
| 4844 | Н | 45.97 | | 0.66 | 46.63 | | 74 | 54 | -7.37 |
| 7266 | Ŧ | 38.24 | | 9.50 | 47.74 | · | 74 | 54 | -6.26 |
| () | ΩH H | | 6 <u>-</u> | | (| \mathcal{O}^{-1} | | | |
| ×. | | | | 7 | Υ. | | | | |
| 4824 | V | 44.56 | | 0.66 | 45.22 | | 74 | 54 | -8.78 |
| 7236 | V | 35.14 | | 9.50 | 44.64 | | 74 | 54 | -9.36 |
| | V | | | | | | | | |
| | | (.C) | | 1.0 | | | (.C) | | |
| | | | Μ | liddle chann | el: 2437MH | Ηz | | | |
| Frequency (MHz) | Ant. Pol. H/V | Peak reading (dBµV) | AV reading (dBµV) | Correction Factor (dB/m) | Emissic Peak (dBµV/m) | n Level AV (dBµV/m) | Peak limit (dBµV/m) | AV limit (dBµV/m) | Margin (dB) |
| 4874 | Н | 42.86 | | 0.99 | 43.85 | | 74 | 54 | -10.15 |
| 7311 | Ч | 34.37 | 140 | 9.85 | 44.22 | | 74 | 54 | -9.78 |
| | Н | | | | | | | | |
| 4874 | V | 43.49 | | 0.99 | 44.48 | | 74 | 54 | -9.52 |
| 7311 | V | 37.66 | | 9.85 | 47.51 | | 74 | 54 | -6.49 |
|) | V | | | (|) | | | | (|
|) | | | • | I C | | | | | |
| | | | F | ligh channe | l: 2452 MH | Z | | | |
| Frequency (MHz) | Ant. Pol. H/V | Peak reading (dBµV) | AV reading (dBµV) | Correction Factor (dB/m) | Emissic Peak (dBµV/m) | n Level AV (dBµV/m) | Peak limit (dBµV/m) | AV limit (dBµV/m) | Margin (dB) |
| 4904 | Н | 45.53 | L K | 1.33 | 46.86 | | 74 | 54 | -7.14 |
| 7356 | Н | 36.44 | | 10.22 | 46.66 | | 74 | 54 | -7.34 |
| | | | + | | | | | | |

4904 V 43.75 1.33 45.08 74 54 -8.92 --------V 74 54 7356 36.62 ---10.22 46.84 ----7.16 V -------------------------------

Note:

Н

TCT通测检测 TESTING CENTRE TECHNOLOGY

1. Emission Level=Peak Reading + Correction Factor; Correction Factor= Antenna Factor + Cable loss - Pre-amplifier

2. Margin (dB) = Emission Level (Peak) (dBµV/m)-Average limit (dBµV/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.

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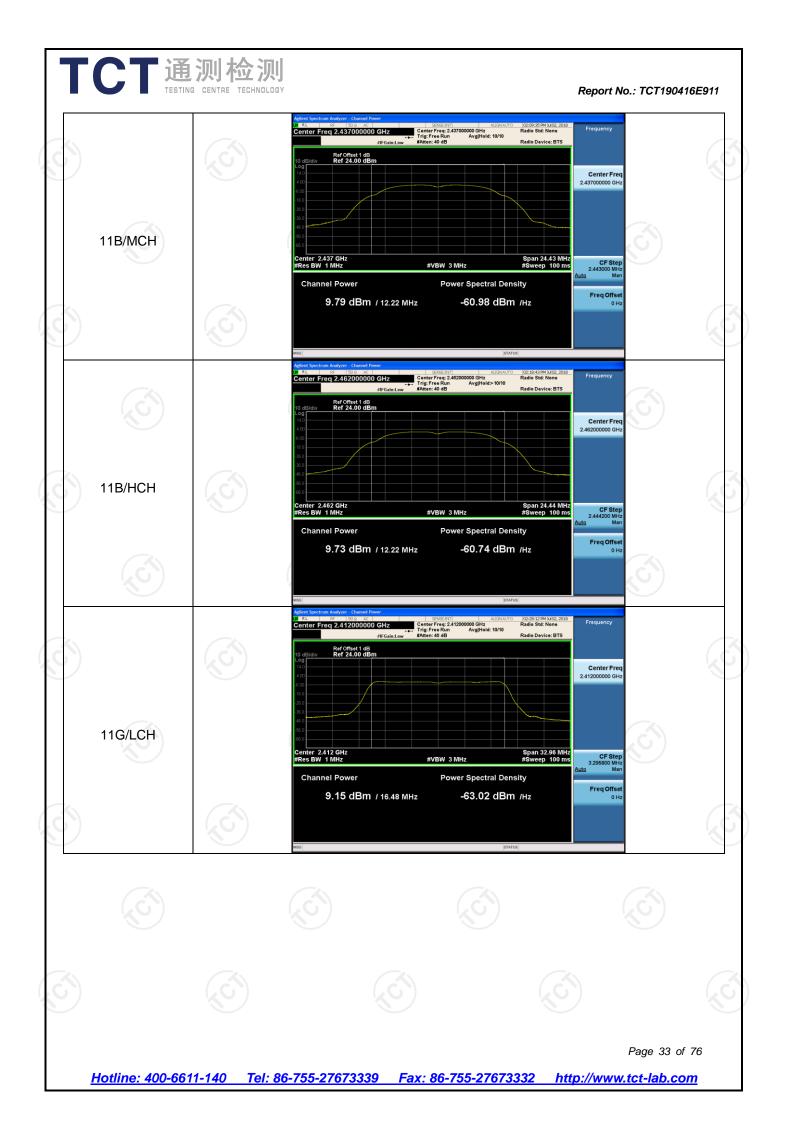


Result Table

| G) | Mode | Channel | Meas.Level [dBm] | Verdict |
|----|-----------|---------|------------------|---------|
| | 11B | LCH | 9.66 | PASS |
| | 11B | МСН | 9.79 | PASS |
| | 11B | НСН | 9.73 | PASS |
| | 11G | LCH | 9.15 | PASS |
| | 11G | МСН | 9.48 | PASS |
| 3 | 11G | НСН | 9.44 | PASS |
| 2 | 11N20SISO | LCH | 8.63 | PASS |
| | 11N20SISO | МСН | 8.98 | PASS |
| | 11N20SISO | НСН | 8.96 | PASS |
| | 11N40SISO | LCH | 8.63 | PASS |
| | 11N40SISO | МСН | 8.92 | PASS |
| | 11N40SISO | НСН | 9.27 | PASS |
| | | | | |

Test Graph

Graphs 01:59:59 PM Jul02, Radio Std: None Frequency Freq 2.412000000 GH 00 GHz Avg|Hold: 10/10 enter Freq: 2.4 Trig: Free Run Ref Offset 1 dB Ref 24.00 dB Center Fre 2.412000000 GH 11B/LCH nter 2.412 GHz es BW 1 MHz Span 24.46 MH #Sweep 100 m #VBW 3 MHz CF S 2.446400 Channel Power Power Spectral Density 9.66 dBm / 12.23 MHz -61.21 dBm /нz Page 32 of 76 Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com











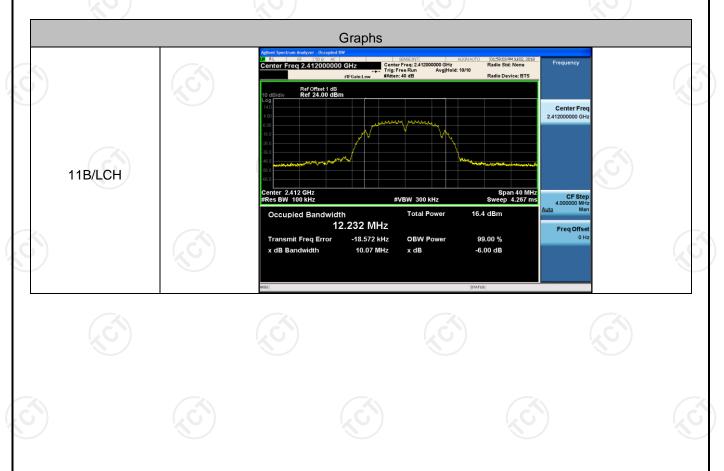
6dB Occupied Bandwidth

Result Table

TCT 通测检测 TESTING CENTRE TECHNOLOGY

| Mode | Channel | 6dB Bandwidth [MHz] | 99% OBW [MHz] | Verdict |
|-----------|---------|---------------------|---------------|---------|
| 11B | LCH | 10.07 | 12.232 | PASS |
| 11B | MCH | 10.07 | 12.215 | PASS |
| 11B | НСН | 10.06 | 12.221 | PASS |
| 11G | LCH | 16.35 | 16.479 | PASS |
| 11G | МСН | 16.36 | 16.471 | PASS |
| 11G | НСН | 16.35 | 16.474 | PASS |
| 11N20SISO | LCH | 17.51 | 17.573 | PASS |
| 11N20SISO | MCH | 17.30 | 17.568 | PASS |
| 11N20SISO | НСН | 17.53 | 17.577 | PASS |
| 11N40SISO | LCH | 36.30 | 36.168 | PASS |
| 11N40SISO | MCH | 36.32 | 36.184 | PASS |
| 11N40SISO | нсн | 36.31 | 36.182 | PASS |

Test Graph



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