





Product : wireless management system

Trade mark : BLAZER international

Model/Type reference : CWL623

Serial Number : N/A

Report Number : EED32J00285301

FCC ID : PZTCWL623

Date of Issue : Jun. 27, 2018

Test Standards : 47 CFR Part 15Subpart C

Test result : PASS

Prepared for:

Tiger Accessory Group LLC 6700 Wildlife Way, Long Grove, Illinois 60047, United States

Prepared by:

Centre Testing International Group Co., Ltd. Hongwei Industrial Zone, Bao'an 70 District, Shenzhen, Guangdong, China

TEL: +86-755-3368 3668 FAX: +86-755-3368 3385

Report Sea

Tested by:

10M-Chen

Tom chen (Test Project)

Reviewed by:

Kevin yang (Reviewer)

Date: Jun. 27, 2018

Max liang (Project Engineer)

Max liang

wax liang (Project Engineer)

Sheek Luo (Lab supervisor)

Check No.:2448734114









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2 Version

| Version No. | Date | (6 | Description | ·/ |
|-------------|---------------|-----|-------------|-----|
| 00 | Jun. 27, 2018 | | Original | |
| | /*> | A*5 | 793 | /35 |
| | | (d) | | |















































































3 Test Summary

| rest Summary | 310 (310) | | 1 |
|---|--|---------------------------------------|--------|
| Test Item | Test Requirement | Test method | Result |
| Antenna Requirement | 47 CFR Part 15Subpart C Section 15.203/15.247 (c) | ANSI C63.10-2013 | |
| AC Power Line Conducted Emission | 47 CFR Part 15Subpart C Section 15.207 | ANSI C63.10-2013 | PASS |
| Conducted Peak Output Power | 47 CFR Part 15Subpart C Section 15.247 (b)(3) | ANSI C63.10-2013 KDB 558074 D01v04 | PASS |
| 6dB Occupied Bandwidth | 47 CFR Part 15Subpart C Section 15.247 (a)(2) | ANSI C63.10-2013 KDB 558074 D01v04 | PASS |
| Power Spectral Density | 47 CFR Part 15Subpart C Section 15.247 (e) | ANSI C63.10-2013 KDB 558074 D01v04 | PASS |
| Band-edge for RF Conducted Emissions | 47 CFR Part 15Subpart C Section 15.247(d) | ANSI C63.10-2013 KDB 558074 D01v04 | PASS |
| RF Conducted Spurious Emissions | 47 CFR Part 15Subpart C Section 15.247(d) | ANSI C63.10-2013 KDB 558074 D01v04 | PASS |
| Radiated Spurious Emissions | 47 CFR Part 15Subpart C Section 15.205/15.209 | ANSI C63.10-2013 | PASS |
| Restricted bands around fundamental frequency (Radiated Emission) | 47 CFR Part 15Subpart C Section 15.205/15.209 | ANSI C63.10-2013 | PASS |

Test according to ANSI C63.4-2014 & ANSI C63.10-2013. The tested sample(s) and the sample information are provided by the client.





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4 Content

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| 4 CONTENT | | | | |
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| | | | | |
| PHOTOGRAPHS OF | EUT CONSTRUC | CTIONAL DETAILS | 723 | |
| | | | | |
| | | | | |











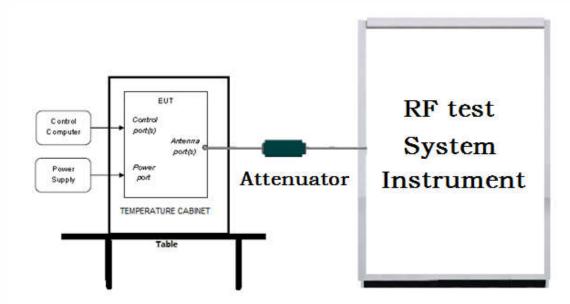


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5 Test Requirement

5.1 Test setup

5.1.1 For Conducted test setup



5.1.2 For Radiated Emissions test setup

Radiated Emissions setup:

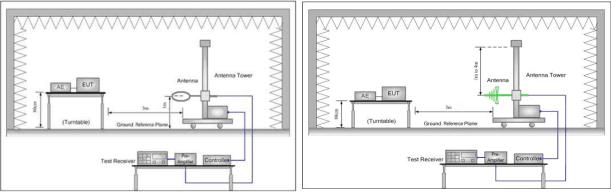


Figure 1. Below 30MHz

Figure 2. 30MHz to 1GHz

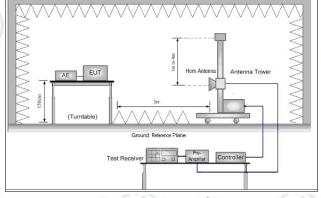


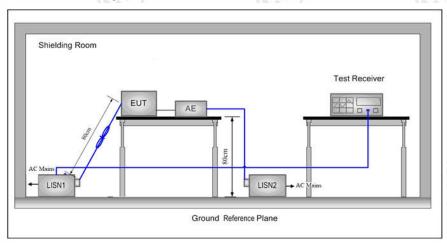
Figure 3. Above 1GHz







5.1.3 For Conducted Emissions test setup **Conducted Emissions setup**



5.2 Test Environment

| Operating Environment: | | | (6) |
|------------------------|----------|-------|-----|
| Temperature: | 24.6 °C | | |
| Humidity: | 41 % RH | 196-1 | |
| Atmospheric Pressure: | 1010mbar | | |

5.3 Test Condition

Test channel:

| | Test Mode | Tx/Rx | | RF Channel | |
|---|--------------------|---------------------------------|--------------------|-----------------|------------|
| ١ | rest wode | TA/FX | Low(L) | High(H) | |
| l | 05014 | 0.400.0411 0.400.0411 | Channel 1 | Channel 20 | Channel 40 |
| | GFSK | 2402MHz ~2480 MHz | 2402MHz | 2440MHz | 2480MHz |
| | Transmitting mode: | The EUT transmitted the continu | uous signal at the | specific channe | el(s). |
| | | | | | |

























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6 General Information

6.1 Client Information

| Applicant: | Tiger Accessory Group LLC |
|--------------------------|---|
| Address of Applicant: | 6700 Wildlife Way, Long Grove, Illinois 60047, United States |
| Manufacturer: | TOKING AUTO INDUSTRIAL INT' L CO., LTD. |
| Address of Manufacturer: | A-202, ZHONGTIAN MCC, TONGPU ROAD ACROSS XIDOUMEN ROAD, HANGZHOU 310012 CHINA |
| Factory: | ZHEJIANG LEIYA ELECTRONICS CO., LTD. |
| Address of Factory: | NO. 519, ROAD 15, BINHAI INDUSTRIAL PARK, WENZHOU, ZHEJIANG 325025, CHINA. |

6.2 General Description of EUT

| Product Name: | wireless management system | | | |
|----------------------------------|--------------------------------|------|-----|-----|
| Model No.(EUT): | CWL623 | | | |
| Trade mark: | BLAZER international | | | 707 |
| EUT Supports Radios application: | BT4.0 | (31) | | 64 |
| Power Supply: | DC 12V | | | |
| Sample Received Date: | Dec. 14, 2017 | | | |
| Sample tested Date: | Dec. 14, 2017 to Jun. 27, 2018 | | (3) | |

6.3 Product Specification subjective to this standard

| Operation Frequency: | 2402MHz~2480MHz | | |
|------------------------|--|------|-----|
| Bluetooth Version: | 4.0 | | _0~ |
| Modulation Technique: | DSSS | | |
| Modulation Type: | GFSK | | 6 |
| Number of Channel: | 40 | | |
| Test Power Grade: | N/A | | |
| Test Software of EUT: | BK RF Test_V1.3(manufacturer declare) | (18) | |
| Antenna Type and Gain: | PCB and 2dBi | (0,) | |
| Test Voltage: | DC 12V | | |
| Software version: | V1.2(manufacturer declare) | | |
| Hardware version: | LY-APP40A-B.PCB(manufacturer declare) | | (3) |

| Operation F | Operation Frequency each of channel | | | | | | | | |
|-------------|-------------------------------------|---------|-----------|---------|-----------|---------|-----------|--|--|
| Channel | Frequency | Channel | Frequency | Channel | Frequency | Channel | Frequency | | |
| 1 | 2402MHz | 11 | 2422MHz | 21 | 2442MHz | 31 | 2462MHz | | |
| 2 | 2404MHz | 12 | 2424MHz | 22 | 2444MHz | 32 | 2464MHz | | |
| 3 | 2406MHz | 13 | 2426MHz | 23 | 2446MHz | 33 | 2466MHz | | |
| 4 | 2408MHz | 14 | 2428MHz | 24 | 2448MHz | 34 | 2468MHz | | |
| 5 | 2410MHz | 15 | 2430MHz | 25 | 2450MHz | 35 | 2470MHz | | |
| 6 | 2412MHz | 16 | 2432MHz | 26 | 2452MHz | 36 | 2472MHz | | |



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| 7 | 2414MHz | 17 | 2434MHz | 27 | 2454MHz | 37 | 2474MHz |
|----|---------|----|---------|----|---------|----|---------|
| 8 | 2416MHz | 18 | 2436MHz | 28 | 2456MHz | 38 | 2476MHz |
| 9 | 2418MHz | 19 | 2438MHz | 29 | 2458MHz | 39 | 2478MHz |
| 10 | 2420MHz | 20 | 2440MHz | 30 | 2460MHz | 40 | 2480MHz |

6.4 Description of Support Units

The EUT has been tested independently.

6.5 Test Location

All tests were performed at:

Centre Testing International Group Co., Ltd.

Hongwei Industrial Zone, Bao'an 70 District, Shenzhen, Guangdong, China 518101

Telephone: +86 (0) 755 33683668 Fax:+86 (0) 755 33683385

No tests were sub-contracted.

6.6 Test Facility

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

CNAS-Lab Code: L1910

Centre Testing International Group Co., Ltd.has been assessed and proved to be in compliance with CNAS-CL01 Accreditation Criteria for Testing and Calibration Laboratories (identical to ISO/IEC 17025: 2005 General Requirements) for the Competence of Testing and Calibration Laboratories...

A2LA-Lab Cert. No. 3061.01

Centre Testing International Group Co., Ltd. EMC Laboratory has been accredited by A2LA for technical competence in the field of electrical testing, and proved to be in compliance with ISO/IEC 17025: 2005 General Requirements for the Competence of Testing and Calibration Laboratories and any additional program requirements in the identified field of testing.

FCC-Designation No.:CN1164

Centre Testing International Group Co., Ltd EMC Laboratory has been registered and fully described in a report filed with the FCC (Federal Communications Commission). The American association for Centre Testing International Group Co., Ltd. EMC laboratory accreditation Designation No.: CN1164

IC-Registration No.: 7408A-2

The 3m Alternate Test Site of Centre Testing International Group Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for the performance of radiated measurements with Registration No. 7408A-2.

IC-Registration No.: 7408B-1

The 10m Alternate Test Site of Centre Testing International Group Co., Ltd.has been registered by Certification and Engineering Bureau of Industry Canada for the performance of radiated measurements with Registration No. 7408B-1.





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VCCI

The Radiation 3 &10 meters site of Centre Testing International Group Co., Ltd. has been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: R-4096.

Main Ports Conducted Interference Measurement of Centre Testing International Group Co., Ltd. has been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: C-4563.

Telecommunication Ports Conducted Disturbance Measurement of Centre Testing International Group Co., Ltd. has been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: T-2146.

The Radiation 3 meters site of Centre Testing International Group Co., Ltd. has been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: G-758

6.7 Deviation from Standards

None.

6.8 Abnormalities from Standard Conditions

None.

6.9 Other Information Requested by the Customer

None.

6.10 Measurement Uncertainty (95% confidence levels, k=2)

| No. | Item | Measurement Uncertainty |
|-----|---------------------------------|-------------------------|
| 1 | Radio Frequency | 7.9 x 10 ⁻⁸ |
| 2 | DE nower conducted | 0.31dB (30MHz-1GHz) |
| 2 | RF power, conducted | 0.57dB (1GHz-18GHz) |
| 3 | Dedicted Courieus emission test | 4.5dB (30MHz-1GHz) |
| 3 | Radiated Spurious emission test | 4.8dB (1GHz-12.75GHz) |
| | Conduction emission | 3.6dB (9kHz to 150kHz) |
| 4 | Conduction emission | 3.2dB (150kHz to 30MHz) |
| 5 | Temperature test | 0.64°C |
| 6 | Humidity test | 2.8% |
| 7 | DC power voltages | 0.025% |
| | | |











7 Equipment List

| | | RF test | system | | |
|--|--------------|------------------------------|------------------|---------------------------|-------------------------------|
| Equipment | Manufacturer | Model No. | Serial Number | Cal. Date (mm-dd-yyyy) | Cal. Due date (mm-dd-yyyy) |
| Signal Generator | Keysight | E8257D | MY53401106 | 03-14-2017 03-13-2018 | 03-13-2018 03-12-2019 |
| Communication test set test set | Agilent | N4010A | MY51400230 | 03-14-2017 03-13-2018 | 03-13-2018 03-12-2019 |
| Spectrum Analyzer | Keysight | N9010A | MY54510339 | 03-14-2017 03-13-2018 | 03-13-2018 03-12-2019 |
| Signal Generator | Keysight | N5182B | MY53051549 | 03-14-2017 03-13-2018 | 03-13-2018 03-12-2019 |
| High-pass filter | Sinoscite | FL3CX03WG18 NM12-0398-002 | | 01-11-2017 01-10-2018 | 01-10-2018 01-09-2019 |
| band rejection filter | Sinoscite | FL5CX01CA09C L12-0395-001 | | 01-11-2017 01-10-2018 | 01-10-2018 01-09-2019 |
| band rejection filter | Sinoscite | FL5CX01CA08C L12-0393-001 | | 01-11-2017 01-10-2018 | 01-10-2018 01-09-2019 |
| band rejection filter | Sinoscite | FL5CX02CA04C L12-0396-002 | | 01-11-2017 01-10-2018 | 01-10-2018 01-09-2019 |
| band rejection filter | Sinoscite | FL5CX02CA03C L12-0394-001 | (ei) | 01-11-2017 01-10-2018 | 01-10-2018 01-09-2019 |
| DC Power | Keysight | E3642A | MY54436035 | 03-14-2017 03-13-2018 | 03-13-2018 03-12-2019 |
| PC-1 | Lenovo | R4960d | | 04-01-2017 03-31-2018 | 03-31-2018 03-30-2019 |
| BT&WI-FI Automatic control | R&S | OSP120 | 101374 | 03-14-2017 03-13-2018 | 03-13-2018 03-12-2019 |
| RF control unit | JS Tonscend | JS0806-2 | 158060006 | 03-14-2017 03-13-2018 | 03-13-2018 03-12-2019 |
| BT&WI-FI Automatic test software | JS Tonscend | JS1120-2 | | 03-14-2017 03-13-2018 | 03-13-2018 03-12-2019 |





































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| | Conducted disturbance Test | | | | | | | | | | | |
|------------------------------------|----------------------------|-----------|------------------|---------------------------|-------------------------------|--|--|--|--|--|--|--|
| Equipment | Manufacturer | Model No. | Serial Number | Cal. date (mm-dd-yyyy) | Cal. Due date (mm-dd-yyyy) | | | | | | | |
| Receiver | R&S | ESCI | 100009 | 06-14-2017 06-13-2018 | 06-13-2018 06-12-2019 | | | | | | | |
| Temperature/ Humidity Indicator | TAYLOR | 1451 | 1905 | 05-08-2017 05-07-2018 | 05-07-2018 05-06-2019 | | | | | | | |
| Communication test set | Agilent | E5515C | GB47050534 | 03-14-2017 03-13-2018 | 03-13-2018 03-12-2019 | | | | | | | |
| Communication test set | R&S | CMW500 | 152394 | 03-14-2017 03-13-2018 | 03-13-2018 03-12-2019 | | | | | | | |
| LISN | R&S | ENV216 | 100098 | 06-13-2017 06-12-2018 | 06-12-2018 06-11-2019 | | | | | | | |
| LISN | schwarzbeck | NNLK8121 | 8121-529 | 06-13-2017 06-12-2018 | 06-12-2018 06-11-2019 | | | | | | | |
| Voltage Probe | R&S | ESH2-Z3 | | 06-13-2017 | 06-11-2020 | | | | | | | |
| Current Probe | nt Probe R&S | | 100106 | 06-13-2017 06-12-2018 | 06-12-2018 06-11-2019 | | | | | | | |
| ISN | TESEQ GmbH | ISN T800 | 30297 | 02-23-2017 02-22-2018 | 02-22-2018 02-21-2019 | | | | | | | |

















































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| | 3M S | Semi/full-anech | oic Chamber | | |
|-------------------------------------|-----------------|------------------------------|------------------|---------------------------|----------------------------|
| Equipment | Manufacturer | Model No. | Serial Number | Cal. date (mm-dd-yyyy) | Cal. Due date (mm-dd-yyyy) |
| 3M Chamber & Accessory Equipment | TDK | SAC-3 | | 06-04-2016 | 06-03-2019 |
| TRILOG Broadband Antenna | SCHWARZBEC K | VULB9163 | 9163-484 | 06-09-2017 06-08-2018 | 06-08-2018 06-07-2019 |
| Microwave Preamplifier | Agilent | 8449B | 3008A02425 | 02-16-2017 02-15-2018 | 02-15-2018 02-14-2019 |
| Horn Antenna | ETS-LINDGREN | 3117 | 00057407 | 02-16-2017 02-15-2018 | 02-15-2018 02-14-2019 |
| Loop Antenna | ETS | 6502 | 00071730 | 06-22-2017 | 06-21-2019 |
| Horn Antenna | A.H.SYSTEMS | SAS-574 374 | | 06-30-2015 06-28-2018 | 06-28-2018 06-27-2019 |
| Spectrum Analyzer | R&S | FSP40 | 100416 | 06-13-2017 06-12-2018 | 06-12-2018 06-11-2019 |
| Receiver | R&S | ESCI | 100435 | 06-14-2017 06-13-2018 | 06-13-2018 06-12-2019 |
| LISN | schwarzbeck | NNBM8125 | 81251547 | 06-13-2017 06-12-2018 | 06-12-2018 06-11-2019 |
| LISN | schwarzbeck | NNBM8125 | 81251548 | 06-13-2017 06-12-2018 | 06-12-2018 06-11-2019 |
| Signal Generator | Agilent | E4438C | MY45095744 | 03-14-2017 03-13-2018 | 03-13-2018 03-12-2019 |
| Signal Generator | Keysight | E8257D | MY53401106 | 03-14-2017 03-13-2018 | 03-13-2018 03-12-2019 |
| Temperature/ Humidity Indicator | TAYLOR | 1451 | 1905 | 05-08-2017 05-07-2018 | 05-07-2018 05-06-2019 |
| Communication test set | Agilent | E5515C | GB47050534 | 03-14-2017 03-13-2018 | 03-13-2018 03-12-2019 |
| Cable line | Fulai(7M) | SF106 | 5219/6A | 01-10-2018 | 01-09-2019 |
| Cable line | Fulai(6M) | SF106 | 5220/6A | 01-10-2018 | 01-09-2019 |
| Cable line | Fulai(3M) | SF106 | 5216/6A | 01-10-2018 | 01-09-2019 |
| Cable line | Fulai(3M) | SF106 | 5217/6A | 01-10-2018 | 01-09-2019 |
| High-pass filter | Sinoscite | FL3CX03WG18 NM12-0398-002 | | 01-10-2018 | 01-09-2019 |
| band rejection filter | Sinoscite | FL5CX01CA09 CL12-0395-001 | | 01-10-2018 | 01-09-2019 |
| band rejection filter | Sinoscite | FL5CX01CA08 CL12-0393-001 | (3) | 01-10-2018 | 01-09-2019 |
| band rejection filter | Sinoscite | FL5CX02CA04 CL12-0396-002 | 67 | 01-10-2018 | 01-09-2019 |
| band rejection filter | Sinoscite | FL5CX02CA03 CL12-0394-001 | | 01-10-2018 | 01-09-2019 |









8 Radio Technical Requirements Specification

Reference documents for testing:

| No. | Identity | Document Title |
|-----|--------------------|---|
| 1 | FCC Part15C (2015) | Subpart C-Intentional Radiators |
| 2 | ANSI C63.10-2013 | American National Standard for Testing Unlicesed Wireless Devices |

Test Results List:

| _ | | | | | |
|---|--------------------------------------|-------------|---|---------|-------------|
| | Test Requirement | Test method | Test item | Verdict | Note |
| | Part15C Section 15.247 (a)(2) | ANSI C63.10 | 6dB Occupied Bandwidth | PASS | Appendix A) |
| | Part15C Section 15.247 (b)(3) | ANSI C63.10 | Conducted Peak Output Power | PASS | Appendix B) |
| | Part15C Section 15.247(d) | ANSI C63.10 | Band-edge for RF Conducted Emissions | PASS | Appendix C) |
| 1 | Part15C Section 15.247(d) | ANSI C63.10 | RF Conducted Spurious Emissions | PASS | Appendix D) |
| | Part15C Section 15.247 (e) | ANSI C63.10 | Power Spectral Density | PASS | Appendix E) |
| | Part15C Section 15.203/15.247 (c) | ANSI C63.10 | Antenna Requirement | PASS | Appendix F) |
| | Part15C Section 15.207 | ANSI C63.10 | AC Power Line Conducted Emission | PASS | Appendix G) |
| | Part15C Section 15.205/15.209 | ANSI C63.10 | Restricted bands around fundamental frequency (Radiated Emission) | PASS | Appendix H) |
| | Part15C Section 15.205/15.209 | ANSI C63.10 | Radiated Spurious Emissions | PASS | Appendix I) |





















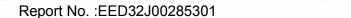










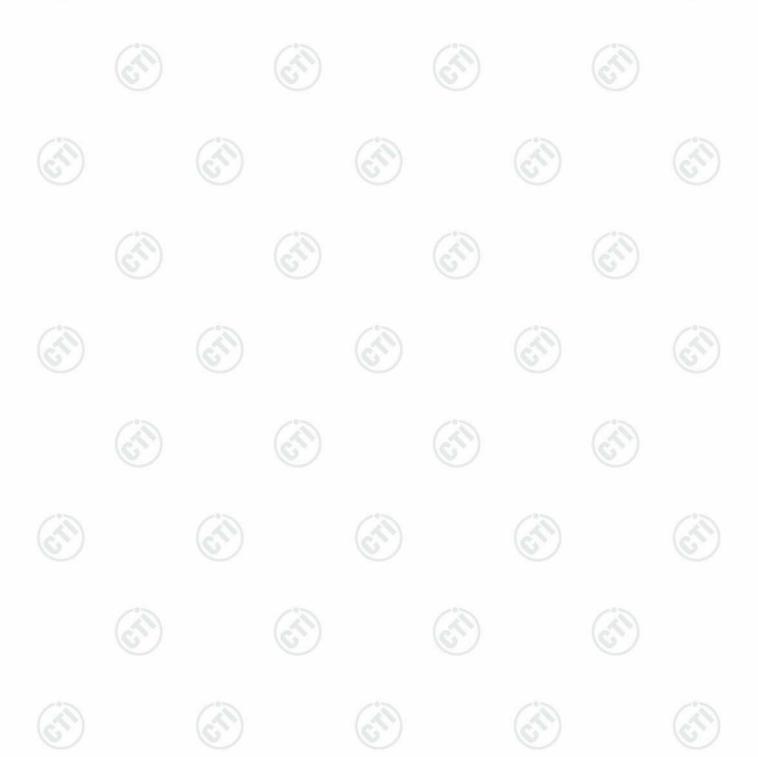


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Appendix A): 6dB Occupied Bandwidth

Test Result

| | | 1 Total 2 | | | |
|------|---------|--------------|---------|--------|----------|
| Mode | Channel | 99% OBW[MHz] | Verdict | Remark | |
| BLE | LCH | 0.5065 | 0.91253 | PASS | |
| BLE | MCH | 0.5197 | 0.91231 | PASS | Peak |
| BLE | нсн | 0.5248 | 0.91281 | PASS | detector |



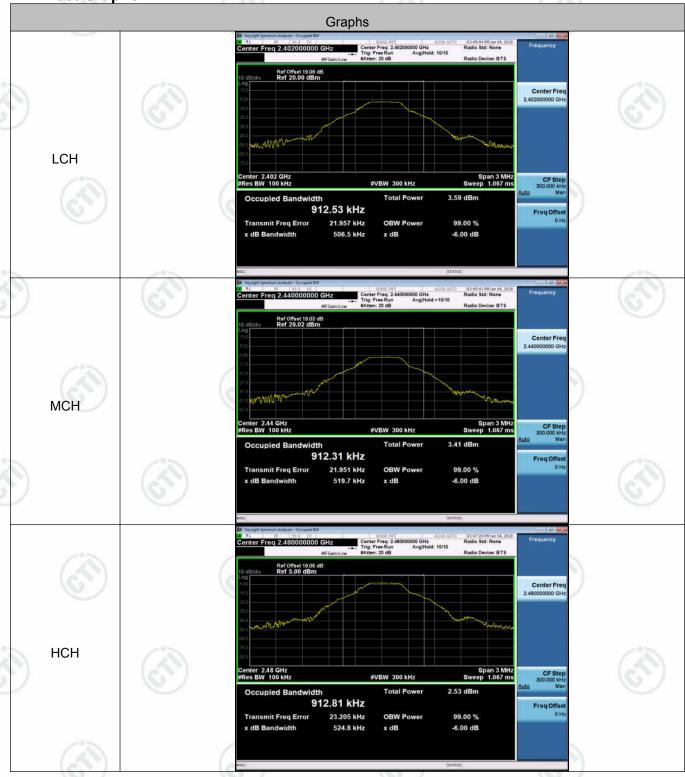






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Appendix B): Conducted Peak Output Power

Test Result

| | | 142 2 | |
|------|---------|-------------------------|---------|
| Mode | Channel | Conduct Peak Power[dBm] | Verdict |
| BLE | LCH | -1.848 | PASS |
| BLE | MCH | -2.058 | PASS |
| BLE | нсн | -3.024 | PASS |































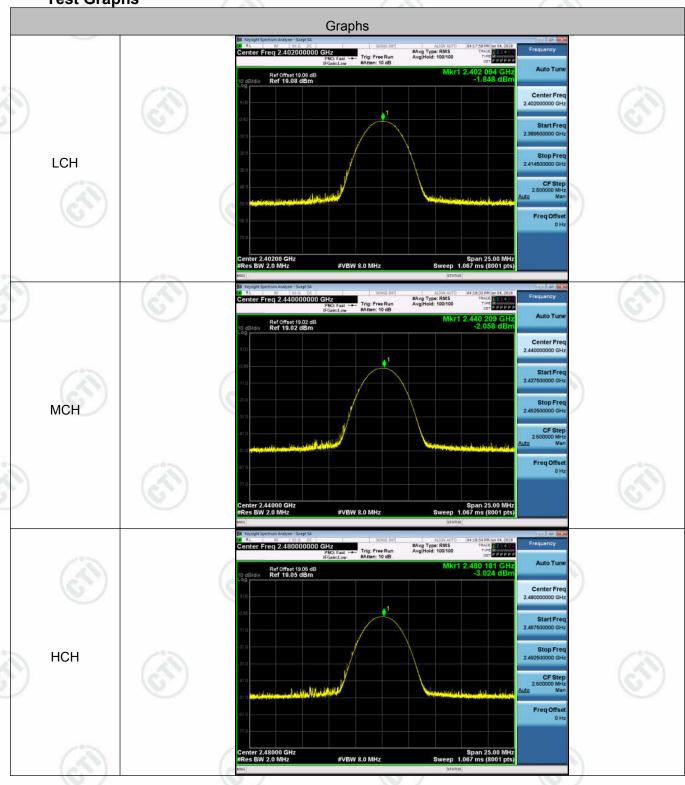






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Test Graphs













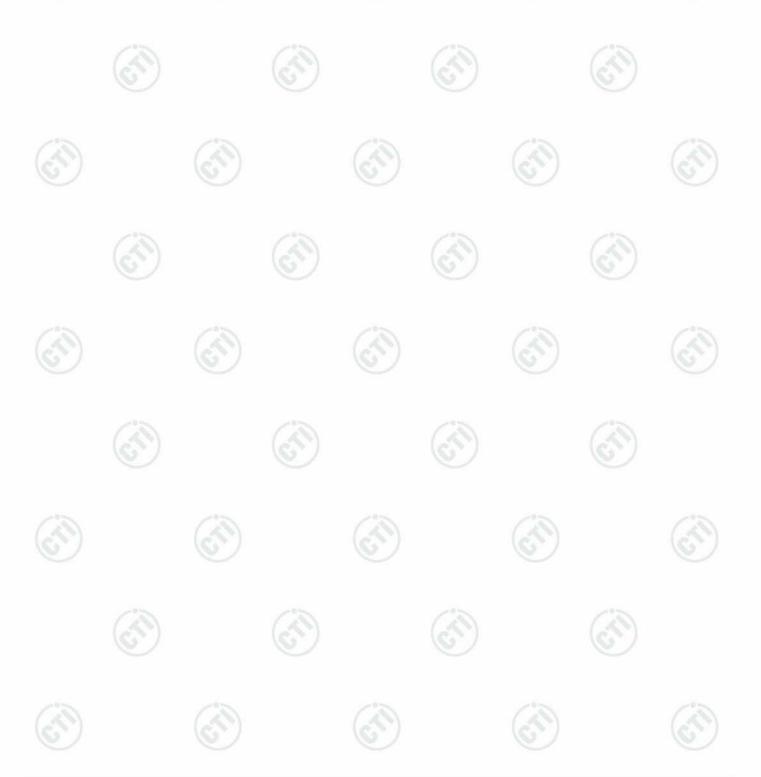


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Appendix C): Band-edge for RF Conducted Emissions

Result Table

| | Mode | Channel | Carrier Power[dBm] | Max.Spurious Level [dBm] | Limit [dBm] | Verdict |
|---|------|---------|--------------------|-----------------------------|-------------|---------|
| 1 | BLE | LCH | -2.199 | -61.164 | -22.2 | PASS |
| , | BLE | HCH | -3.274 | -54.968 | -23.27 | PASS |

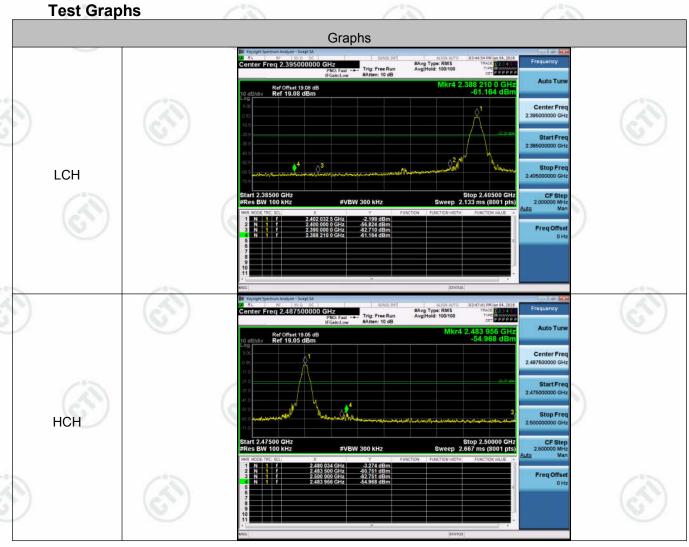
















































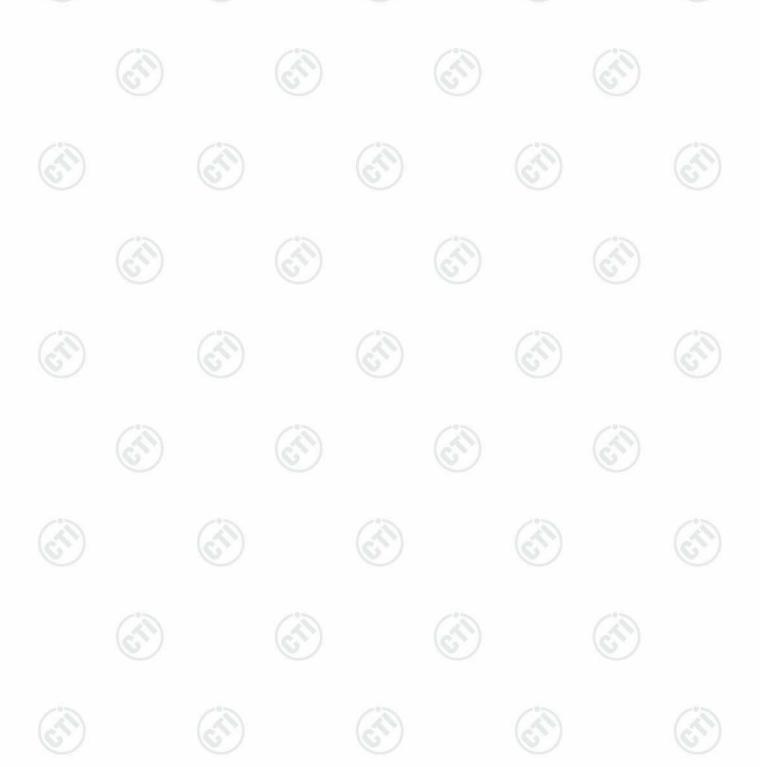




Appendix D): RF Conducted Spurious Emissions

Result Table

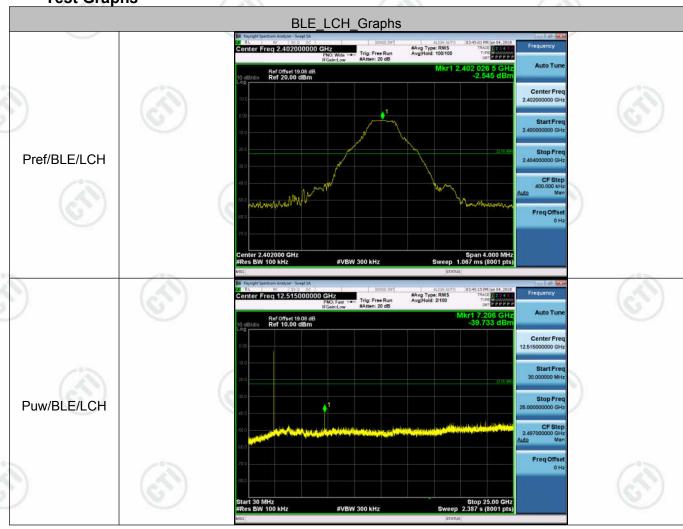
| Mode | Channel | Puw[dBm] | Verdict | |
|------|---------|----------|--------------------------------------|------|
| BLE | LCH | -2.545 | <limit< td=""><td>PASS</td></limit<> | PASS |
| BLE | MCH | -2.719 | <limit< td=""><td>PASS</td></limit<> | PASS |
| BLE | НСН | -3.583 | <limit< td=""><td>PASS</td></limit<> | PASS |

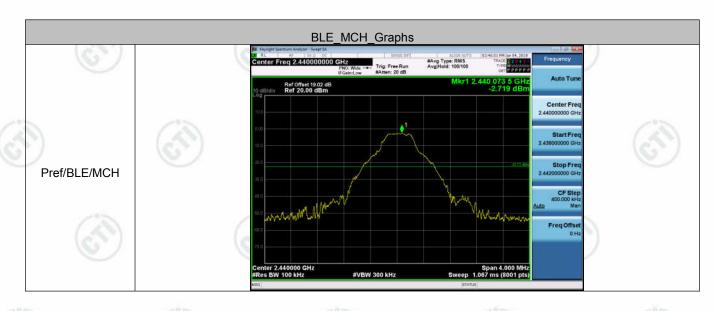




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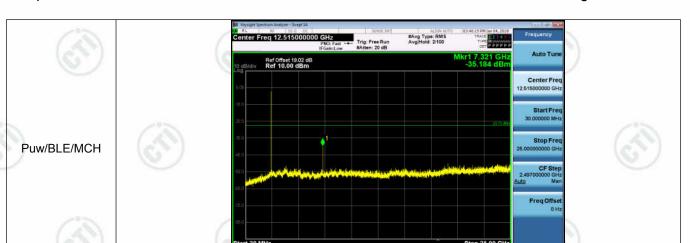
































Appendix E): Power Spectral Density

Result Table

| Mode | Channel | PSD [dBm/3kHz] | Limit [dBm/3kHz] | Verdict |
|------|---------|----------------|------------------|---------|
| BLE | LCH | -13.663 | 8 | PASS |
| BLE | MCH | -13.819 | 8 | PASS |
| BLE | НСН | -14.481 | 8 | PASS |

























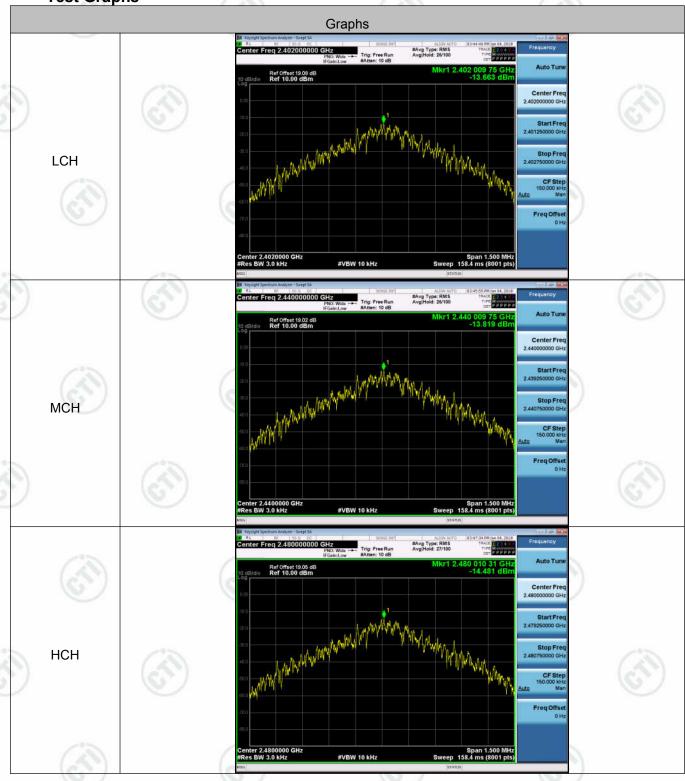






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Appendix F): Antenna Requirement

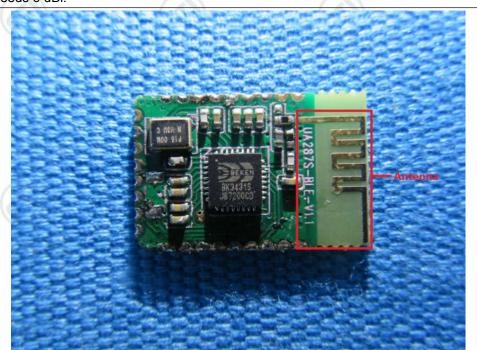
15.203 requirement:

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.

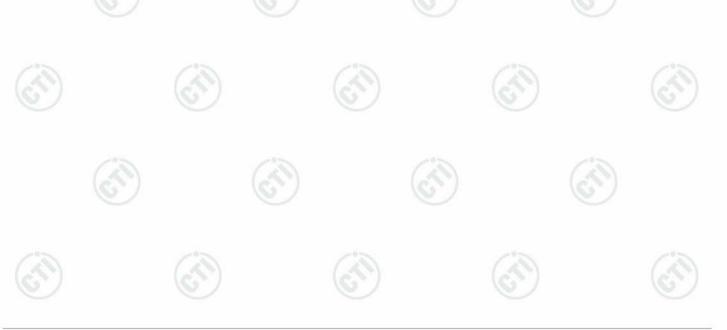
15.247(b) (4) requirement:

The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.





The antenna is PCB antenna and no consideration of replacement. The best case gain of the antenna is 2dBi.











Appendix G): AC Power Line Conducted Emission

Test Procedure:

Test frequency range :150KHz-30MHz

- 1)The mains terminal disturbance voltage test was conducted in a shielded room.
- 2) The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a $50\Omega/50\mu H + 5\Omega$ linear impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the ground reference plane in the same way as the LISN 1 for the unit being measured. A multiple socket outlet strip was used to connect multiple power cables to a single LISN provided the rating of the LISN was not exceeded.
- 3)The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane,
- 4) The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for LISNs mounted on top of the ground reference plane. This distance was between the closest points of the LISN 1 and the EUT. All other units of the EUT and associated equipment was at least 0.8 m from the LISN 2.
- 5) In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10 on conducted measurement.

Limit:

| Fraguency range (MUz) | Limit (dBμV) | | | | | |
|-----------------------|--------------|-----------|--|--|--|--|
| Frequency range (MHz) | Quasi-peak | Average | | | | |
| 0.15-0.5 | 66 to 56* | 56 to 46* | | | | |
| 0.5-5 | 56 | 46 | | | | |
| 5-30 | 60 | 50 | | | | |

^{*} The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz.

NOTE: The lower limit is applicable at the transition frequency

Measurement Data

An initial pre-scan was performed on the live and neutral lines with peak detector.

Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission were detected.

































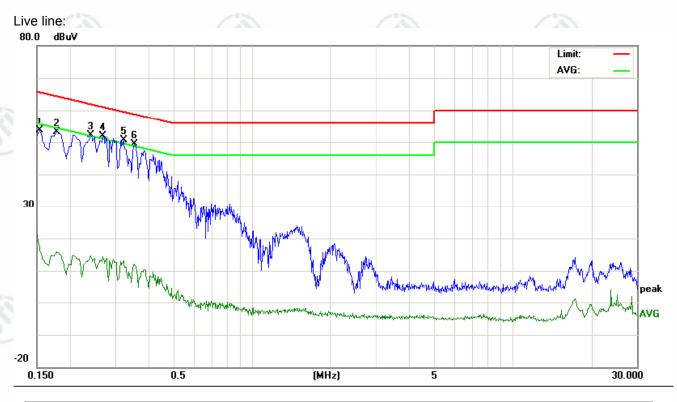










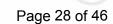


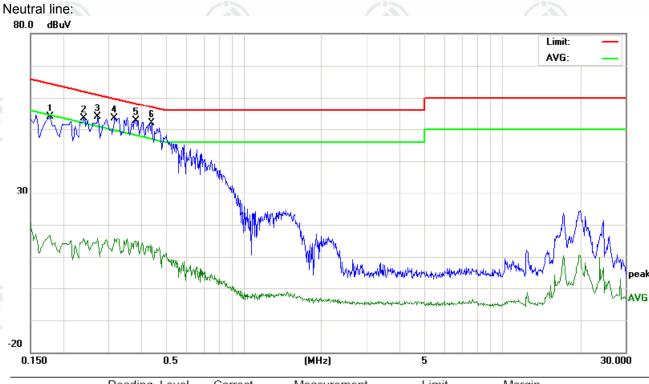
| No. | Reading_Level Freq. (dBuV) | | Correct Factor | | | | Limit (dBuV) | | | Margin (dB) | | | | |
|-----|-------------------------------|-------|-------------------|------|------|-------|-----------------|-------|-------|----------------|--------|--------|-----|---------|
| | MHz | Peak | QP | AVG | dB | peak | QP | AVG | QP | AVG | QP | AVG | P/F | Comment |
| 1 | 0.1539 | 43.98 | 36.85 | 6.67 | 9.76 | 53.74 | 46.61 | 16.43 | 65.78 | 55.78 | -19.17 | -39.35 | Р | |
| 2 | 0.1780 | 43.46 | 36.41 | 6.02 | 9.73 | 53.19 | 46.14 | 15.75 | 64.57 | 54.57 | -18.43 | -38.82 | Р | |
| 3 | 0.2420 | 42.50 | 36.35 | 4.99 | 9.74 | 52.24 | 46.09 | 14.73 | 62.02 | 52.02 | -15.93 | -37.29 | Р | |
| 4 | 0.2700 | 42.17 | 35.69 | 4.52 | 9.76 | 51.93 | 45.45 | 14.28 | 61.12 | 51.12 | -15.67 | -36.84 | Р | |
| 5 | 0.3220 | 40.81 | 35.28 | 3.37 | 9.77 | 50.58 | 45.05 | 13.14 | 59.65 | 49.65 | -14.60 | -36.51 | Р | |
| 6 | 0.3540 | 39.63 | 34.19 | 2.37 | 9.76 | 49.39 | 43.95 | 12.13 | 58.87 | 48.87 | -14.92 | -36.74 | Р | |











| No. | Reading_Level No. Freq. (dBuV) | | vel | Correct Factor | Measurement (dBuV) | | Limit (dBu∀) | | Margin (dB) | | | | | |
|-----|--------------------------------|-------|-------|-------------------|-----------------------|-------|-----------------|-------|----------------|-------|--------|--------|-----|---------|
| | MHz | Peak | QP | AVG | dB | peak | QP | AVG | QP | AVG | QP | AVG | P/F | Comment |
| 1 | 0.1780 | 44.26 | 37.24 | 6.96 | 9.73 | 53.99 | 46.97 | 16.69 | 64.57 | 54.57 | -17.60 | -37.88 | Р | |
| 2 | 0.2420 | 43.58 | 37.31 | 5.81 | 9.74 | 53.32 | 47.05 | 15.55 | 62.02 | 52.02 | -14.97 | -36.47 | Р | |
| 3 | 0.2740 | 44.13 | 38.06 | 6.11 | 9.76 | 53.89 | 47.82 | 15.87 | 60.99 | 50.99 | -13.17 | -35.12 | Р | |
| 4 | 0.3180 | 43.62 | 37.58 | 5.79 | 9.77 | 53.39 | 47.35 | 15.56 | 59.76 | 49.76 | -12.41 | -34.20 | Р | |
| 5 | 0.3820 | 42.92 | 34.13 | 2.50 | 9.76 | 52.68 | 43.89 | 12.26 | 58.23 | 48.23 | -14.34 | -35.97 | Р | |
| 6 | 0.4420 | 42.10 | 34.56 | 4.21 | 9.73 | 51.83 | 44.29 | 13.94 | 57.02 | 47.02 | -12.73 | -33.08 | Р | |

Notes:

- 1. The following Quasi-Peak and Average measurements were performed on the EUT.
- 2. Final Test Level =Receiver Reading + LISN Factor + Cable Loss.











Appendix H): Restricted bands around fundamental frequency (Radiated)

| | Above 1GHz Below 1GHz test procedu a. The EUT was placed o at a 3 meter semi-aned determine the position b. The EUT was set 3 me was mounted on the to c. The antenna height is o determine the maximur polarizations of the ante d. For each suspected en the antenna was tuned was turned from 0 degre e. The test-receiver syste Bandwidth with Maximum f. Place a marker at the effrequency to show combands. Save the spectr for lowest and highest of Above 1GHz test procedu g. Different between above | on the top of a rochoic camber. The of the highest raters away from the proof of a variable-howaried from one on value of the fire enna are set to enission, the EUT to heights from the top of the rees to 360 degrow was set to Perum Hold Mode. The proof of the restrict o | ne table wand adiation. The interference interference in the inter | ence-receinna tower. ur meters and Both horneasurement ged to its way 4 meters at the maxim Function and dosest to the emissions | above the grain above the grain and vent. worst case a and the rotate and specified and specified are transmit in the restricts in the restricts. | ground to a, which ound to vertical and ther able |
|--------|---|--|--|---|--|---|
| | Above 1GHz Below 1GHz test procedu a. The EUT was placed o at a 3 meter semi-aned determine the position b. The EUT was set 3 me was mounted on the to c. The antenna height is of determine the maximur polarizations of the ante d. For each suspected en the antenna was tuned was turned from 0 degre e. The test-receiver syste Bandwidth with Maximum f. Place a marker at the effrequency to show combands. Save the spectr for lowest and highest of | Peak Peak Tre as below: In the top of a rochoic camber. The of the highest racters away from the pof a variable-howaried from one movalue of the file enna are set to include the point of the point of the point of the point of the restrict of the restrict of the restrict of the point of the poi | 1MHz 1MHz tating table the table was adiation. The interference of the table was arranged as a readily and the table was arranged to the table was a readily at the table was arranged to the table wa | 3MHz 10Hz 10Hz 10Hz 10Hz 10Hz 10Hz 10Hz 10 | Peak Average The above the above the gradient and vent. Worst case and the rotate and the rotate and Specified the transmit is in the restrict. | ground to a, which ound to vertical and ther able |
| | Below 1GHz test procedu a. The EUT was placed of at a 3 meter semi-aned determine the position b. The EUT was set 3 me was mounted on the totoon. The antenna height is was determine the maximum polarizations of the antended. For each suspected enterest the antenna was turned was turned from 0 degree. The test-receiver syste Bandwidth with Maximum f. Place a marker at the effrequency to show combands. Save the spectre for lowest and highest of the Above 1GHz test procedure. | Peak Ire as below: In the top of a rochoic camber. The of the highest raters away from the proof of a variable-howaried from one movement are set to enission, the EUT to heights from the rees to 360 degrees to 360 degrees to 360 degreem was set to Peaum Hold Mode. In the proof of the restrict of the restrict of the restrict of the restrict of the pliance. Also more more analyzer plochannel | tating table ne table was adiation. the interference of the interf | e 0.8 meter is rotated 3 ence-receirna tower. ur meters in Both horneasurement ged to its value at the maxim Function at the semissions | Average rs above the 360 degrees ving antenna above the gr rizontal and vent. worst case all and the rotate num reading. nd Specified the transmit is in the restri | to a, which ound to vertical and ther able cted |
| | Below 1GHz test procedu a. The EUT was placed of at a 3 meter semi-aned determine the position b. The EUT was set 3 me was mounted on the totoon. The antenna height is was determine the maximum polarizations of the antended. For each suspected enterest the antenna was turned was turned from 0 degree. The test-receiver syste Bandwidth with Maximum f. Place a marker at the effrequency to show combands. Save the spectre for lowest and highest of the Above 1GHz test procedure. | re as below: In the top of a rochoic camber. The of the highest raters away from the pof a variable-hovaried from one movement value of the fine enna are set to mission, the EUT to heights from the rees to 360 degrees to 360 degrees to 360 degreem was set to Peum Hold Mode, and of the restrict of the restrict of the restrict of the policy of the restrict of the re | tating table ne table was adiation. the interference in the interf | e 0.8 meter is rotated 3 ence-receinna tower. ur meters and Both horneasurement ged to its was a the maximum function and losest to the emissions | rs above the 360 degrees diving antennal above the grain above the grain and vent. Worst case along the rotate and the rotate and specified the transmit is in the restrict and | to a, which ound to vertical and ther able cted |
| | a. The EUT was placed of at a 3 meter semi-aned determine the position. b. The EUT was set 3 me was mounted on the toto. The antenna height is was determine the maximum polarizations of the antended. For each suspected en the antenna was turned was turned from 0 degree. The test-receiver syste Bandwidth with Maximum f. Place a marker at the effrequency to show combands. Save the spectre for lowest and highest of Above 1GHz test procedure. | on the top of a rochoic camber. The of the highest raters away from the proof of a variable-howaried from one on value of the fire enna are set to enission, the EUT to heights from the top of the rees to 360 degrow was set to Perum Hold Mode. The proof of the restrict o | ne table wand adiation. The interference interference in the inter | ence-receinna tower. ur meters and Both horneasurement ged to its way 4 meters at the maxim Function and dosest to the emissions | above the grain above the grain and vent. worst case a and the rotate and specified and specified are transmit in the restricts in the restricts. | to a, which ound to vertical and ther able cted |
| | | ıre as below: | | | | |
| | to fully Anechoic Cham 18GHz the distance is h. Test the EUT in the lo i. The radiation measurer Transmitting mode, and j. Repeat above procedu | ber change forn 1 meter and tabl twest channel , t ments are perford d found the X ax | n table 0.8 e is 1.5 met the Highest rmed in X, tis positioni | meter to 1 ter). channel Y, Z axis p ng which it | .5 meter(Ab cositioning fo t is worse ca | ove r |
| Limit: | Frequency | Limit (dBµV/ | \ | 1 | mark | |
| (6) | 30MHz-88MHz | 40.0 | / | | eak Value | |
| | 88MHz-216MHz | 43.5 | | · · | eak Value | |
| | 216MHz-960MHz | 46.0 | | - | eak Value | |
| | 960MHz-1GHz | 54.0 | | | eak Value | |
| | | 54.0 | 16% | | je Value | |
| | Above 1GHz | |) | Peak | | |











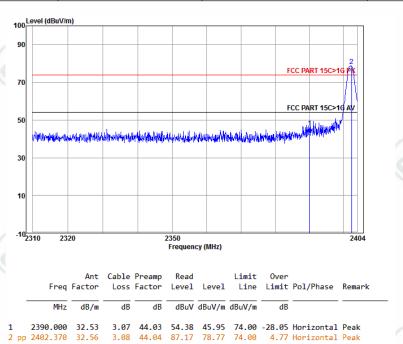




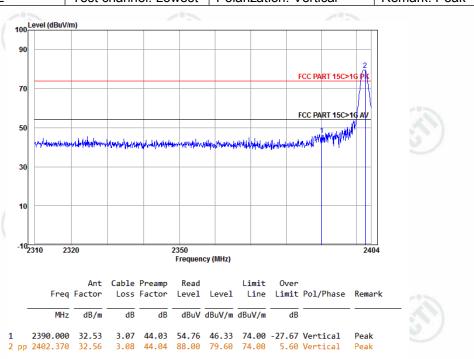
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Test plot as follows:

| Worse case mode: | GFSK | | (67) |
|-------------------|----------------------|--------------------------|--------------|
| Frequency:2402MHz | Test channel: Lowest | Polarization: Horizontal | Remark: Peak |



| Worse case mode: | GFSK | | | |
|--------------------|----------------------|------------------------|--------------|--|
| Frequency: 2402MHz | Test channel: Lowest | Polarization: Vertical | Remark: Peak | |



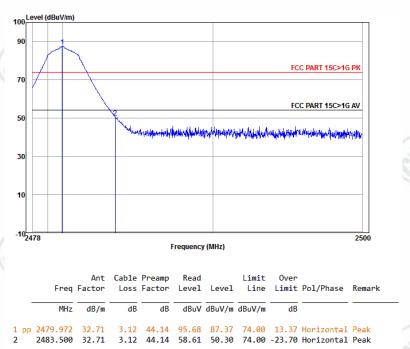




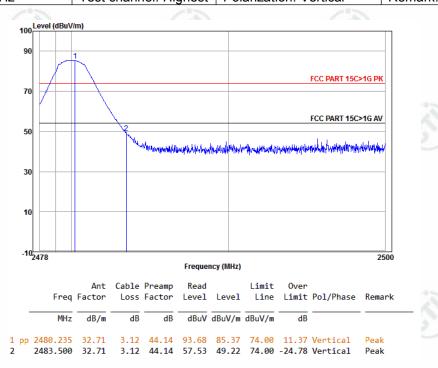


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| Worse case mode: | GFSK | | |
|--------------------|-----------------------|------------------------|--------------|
| Frequency: 2480MHz | Test channel: Highest | Polarization: Vertical | Remark: Peak |



Note:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level =Receiver Reading -Correct Factor

Correct Factor = Preamplifier Factor - Antenna Factor - Cable Factor







Appendix I): Radiated Spurious Emissions

| Receiver Setup: | Frequency | Detector | RBW | VBW | Remark |
|-----------------|-------------------|------------|--------|--------|------------|
| | 0.009MHz-0.090MHz | Peak | 10kHz | 30kHz | Peak |
| | 0.009MHz-0.090MHz | Average | 10kHz | 30kHz | Average |
| | 0.090MHz-0.110MHz | Quasi-peak | 10kHz | 30kHz | Quasi-peak |
|) | 0.110MHz-0.490MHz | Peak | 10kHz | 30kHz | Peak |
| | 0.110MHz-0.490MHz | Average | 10kHz | 30kHz | Average |
| | 0.490MHz -30MHz | Quasi-peak | 10kHz | 30kHz | Quasi-peak |
| | 30MHz-1GHz | Quasi-peak | 120kHz | 300kHz | Quasi-peak |
| | Abovo 1CHz | Peak | 1MHz | 3MHz | Peak |
| (0, | Above 1GHz | Peak | 1MHz | 10Hz | Average |

Test Procedure:

Below 1GHz test procedure as below:

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, whichwas mounted on the top of a variable-height antenna tower.
- c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

Above 1GHz test procedure as below:

- g. Different between above is the test site, change from Semi- Anechoic Chamber to fully Anechoic Chamber and change form table 0.8 meter to 1.5 meter(Above 18GHz the distance is 1 meter and table is 1.5 meter).
- h. Test the EUT in the lowest channel ,the middle channel ,the Highest channel
- i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is worse case.
- j. Repeat above procedures until all frequencies measured was complete.

| | - 11 | n | ١ı | t: |
|---|------|---|----|----|
| ш | -11 | п | ш | ι. |

| Frequency | Field strength (microvolt/meter) | Limit (dBµV/m) | Remark | Measurement distance (m) |
|-------------------|----------------------------------|-------------------|-------------------|--------------------------|
| 0.009MHz-0.490MHz | 2400/F(kHz) | - | - | 300 |
| 0.490MHz-1.705MHz | 24000/F(kHz) | - | 20 - 5 | 30 |
| 1.705MHz-30MHz | 30 | - | (4.5) | 30 |
| 30MHz-88MHz | 100 | 40.0 | Quasi-peak | 3 |
| 88MHz-216MHz | 150 | 43.5 | Quasi-peak | 3 |
| 216MHz-960MHz | 200 | 46.0 | Quasi-peak | 3 |
| 960MHz-1GHz | 500 | 54.0 | Quasi-peak | 3 |
| Above 1GHz | 500 | 54.0 | Average | 3 |

Note: 15.35(b), Unless otherwise specified, the limit on peak radio frequency emissions is 20dB above the maximum permitted average emission limit applicable to the equipment under test. This peak limit applies to the total peak emission level radiated by the device.



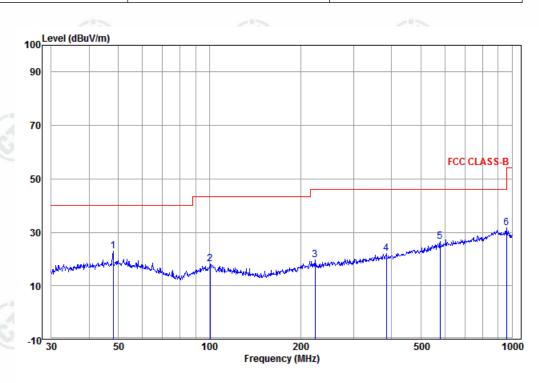






Radiated Spurious Emissions test Data: Radiated Emission below 1GHz

| 30MHz~1GHz (QP) | | |
|-----------------|--------------|----------|
| Test mode: | Transmitting | Vertical |



| | Freq | | Cable Loss | | | | | Pol/Phase | Remark |
|------|---------|-------|---------------|------|--------|--------|--------|-----------|--------|
| _ | MHz | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | | |
| 1 | 47.994 | 14.45 | 0.10 | 8.57 | 23.12 | 40.00 | -16.88 | Vertical | QP |
| 2 | 100.581 | 12.45 | 0.59 | 5.07 | 18.11 | 43.50 | -25.39 | Vertical | QP |
| 3 | 223.733 | 12.05 | 1.22 | 6.53 | 19.80 | 46.00 | -26.20 | Vertical | QP |
| 4 | 383.932 | 14.95 | 1.32 | 5.79 | 22.06 | 46.00 | -23.94 | Vertical | QP |
| 5 | 578.670 | 18.33 | 1.71 | 6.48 | 26.52 | 46.00 | -19.48 | Vertical | QP |
| 6 рр | 958.794 | 21.96 | 2.20 | 7.58 | 31.74 | 46.00 | -14.26 | Vertical | QP |





























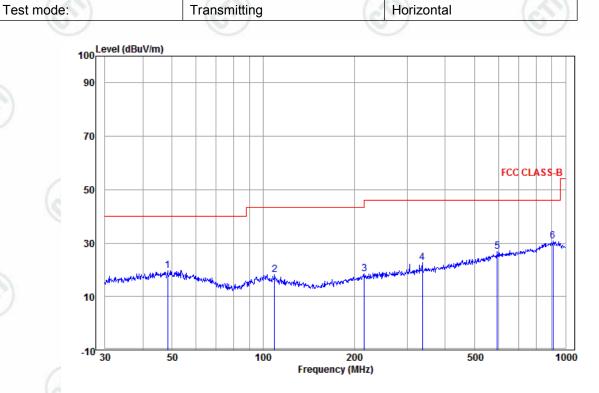












| | | Ant | Cable | Read | | Limit | 0ver | | |
|------|---------|--------|-------|-------|--------|--------|--------|------------|--------|
| | Freq | Factor | Loss | Level | Level | Line | Limit | Pol/Phase | Remark |
| - | MHz | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | | |
| 1 | 48.332 | 14.48 | 0.10 | 4.99 | 19.57 | 40.00 | -20.43 | Horizontal | QP |
| 2 | 109.029 | 11.71 | 0.59 | 5.97 | 18.27 | 43.50 | -25.23 | Horizontal | QP |
| 3 | 216.024 | 11.88 | 1.18 | 5.47 | 18.53 | 46.00 | -27.47 | Horizontal | QP |
| 4 | 336.035 | 14.14 | 1.25 | 7.25 | 22.64 | 46.00 | -23.36 | Horizontal | QP |
| 5 | 595.133 | 18.62 | 1.80 | 6.51 | 26.93 | 46.00 | -19.07 | Horizontal | QP |
| 6 рр | 909.667 | 22.08 | 2.46 | 6.11 | 30.65 | 46.00 | -15.35 | Horizontal | QP |





































Transmitter Emission above 1GHz

| Worse case | mode: | GFSK | (N) | Test char | nnel: | Lowest | Remark: P | eak | |
|--------------------|-----------------------------|--------------------|------------------------|-------------------------|-------------------|------------------------|--------------------|--------|--------------------|
| Frequency (MHz) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamp Gain (dB) | Read Level (dBµV) | Level (dBµV/m) | Limit Line (dBµV/m) | Over Limit (dB) | Result | Antenna Polaxis |
| 1228.984 | 30.29 | 1.91 | 44.34 | 47.50 | 35.36 | 74.00 | -38.64 | Pass | Н |
| 1706.700 | 31.24 | 2.54 | 43.77 | 46.37 | 36.38 | 74.00 | -37.62 | Pass | ЭН |
| 4804.000 | 34.69 | 5.98 | 44.60 | 47.35 | 43.42 | 74.00 | -30.58 | Pass | Н |
| 6047.776 | 35.93 | 7.43 | 44.51 | 51.53 | 50.38 | 74.00 | -23.62 | Pass | Н |
| 7206.000 | 36.42 | 6.97 | 44.77 | 47.91 | 46.53 | 74.00 | -27.47 | Pass | Н |
| 9608.000 | 37.88 | 6.98 | 45.58 | 45.41 | 44.69 | 74.00 | -29.31 | Pass | Н |
| 1283.335 | 30.42 | 1.99 | 44.27 | 48.66 | 36.80 | 74.00 | -37.20 | Pass | V |
| 2097.507 | 31.92 | 2.90 | 43.64 | 47.29 | 38.47 | 74.00 | -35.53 | Pass | V |
| 4804.000 | 34.69 | 5.98 | 44.60 | 47.01 | 43.08 | 74.00 | -30.92 | Pass | V |
| 5971.290 | 35.88 | 7.41 | 44.50 | 46.66 | 45.45 | 74.00 | -28.55 | Pass | V |
| 7206.000 | 36.42 | 6.97 | 44.77 | 51.29 | 49.91 | 74.00 | -24.09 | Pass | V |
| 9608.000 | 37.88 | 6.98 | 45.58 | 45.91 | 45.19 | 74.00 | -28.81 | Pass | V |

| Worse case | mode: | GFSK | 200 | Test char | nnel: | Middle | Remark: P | eak | |
|--------------------|-----------------------------|--------------------|------------------------|-------------------------|-------------------|------------------------|--------------------|--------|--------------------|
| Frequency (MHz) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamp Gain (dB) | Read Level (dBµV) | Level (dBµV/m) | Limit Line (dBµV/m) | Over Limit (dB) | Result | Antenna Polaxis |
| 1270.334 | 30.39 | 1.97 | 44.29 | 47.56 | 35.63 | 74.00 | -38.37 | Pass | /° # |
| 1791.273 | 31.38 | 2.63 | 43.69 | 46.14 | 36.46 | 74.00 | -37.54 | Pass | (AH) |
| 4880.000 | 34.85 | 6.13 | 44.60 | 46.72 | 43.10 | 74.00 | -30.90 | Pass | H |
| 6017.064 | 35.91 | 7.44 | 44.50 | 47.55 | 46.40 | 74.00 | -27.60 | Pass | Н |
| 7320.000 | 36.43 | 6.85 | 44.87 | 45.85 | 44.26 | 74.00 | -29.74 | Pass | Н |
| 9760.000 | 38.05 | 7.12 | 45.55 | 45.90 | 45.52 | 74.00 | -28.48 | Pass | Н |
| 1167.982 | 30.15 | 1.81 | 44.43 | 46.93 | 34.46 | 74.00 | -39.54 | Pass | V |
| 1557.252 | 30.98 | 2.36 | 43.93 | 47.65 | 37.06 | 74.00 | -36.94 | Pass | V |
| 4880.000 | 34.85 | 6.13 | 44.60 | 46.52 | 42.90 | 74.00 | -31.10 | Pass | V |
| 6001.768 | 35.90 | 7.44 | 44.50 | 48.02 | 46.86 | 74.00 | -27.14 | Pass | V |
| 7320.000 | 36.43 | 6.85 | 44.87 | 45.39 | 43.80 | 74.00 | -30.20 | Pass | V |
| 9760.000 | 38.05 | 7.12 | 45.55 | 45.98 | 45.60 | 74.00 | -28.40 | Pass | V |



























| Worse case mode: | | | | 787 | | | | | |
|--------------------|-----------------------------|--------------------|------------------------|-------------------------|-------------------|------------------------|--------------------|--------|--------------------|
| | | GFSK | 100 | Test channel: | | Highest | Remark: Peak | | |
| Frequency (MHz) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamp Gain (dB) | Read Level (dBµV) | Level (dBµV/m) | Limit Line (dBµV/m) | Over Limit (dB) | Result | Antenna Polaxis |
| 1270.334 | 30.39 | 1.97 | 44.29 | 46.91 | 34.98 | 74.00 | -39.02 | Pass | ~ H |
| 1549.344 | 30.96 | 2.35 | 43.94 | 46.34 | 35.71 | 74.00 | -38.29 | Pass | (H) |
| 4960.000 | 35.02 | 6.29 | 44.60 | 46.37 | 43.08 | 74.00 | -30.92 | Pass | H |
| 6187.929 | 36.00 | 7.39 | 44.52 | 46.94 | 45.81 | 74.00 | -28.19 | Pass | Н |
| 7440.000 | 36.45 | 6.73 | 44.97 | 45.23 | 43.44 | 74.00 | -30.56 | Pass | Н |
| 9920.000 | 38.22 | 7.26 | 45.52 | 45.20 | 45.16 | 74.00 | -28.84 | Pass | Н |
| 1270.334 | 30.39 | 1.97 | 44.29 | 47.03 | 35.10 | 74.00 | -38.90 | Pass | V |
| 1818.842 | 31.43 | 2.66 | 43.66 | 46.98 | 37.41 | 74.00 | -36.59 | Pass | V |
| 4960.000 | 35.02 | 6.29 | 44.60 | 46.12 | 42.83 | 74.00 | -31.17 | Pass | V |
| 6001.768 | 35.90 | 7.44 | 44.50 | 47.05 | 45.89 | 74.00 | -28.11 | Pass | V |
| 7440.000 | 36.45 | 6.73 | 44.97 | 45.31 | 43.52 | 74.00 | -30.48 | Pass | V |
| 9920.000 | 38.22 | 7.26 | 45.52 | 45.42 | 45.38 | 74.00 | -28.62 | Pass | V |

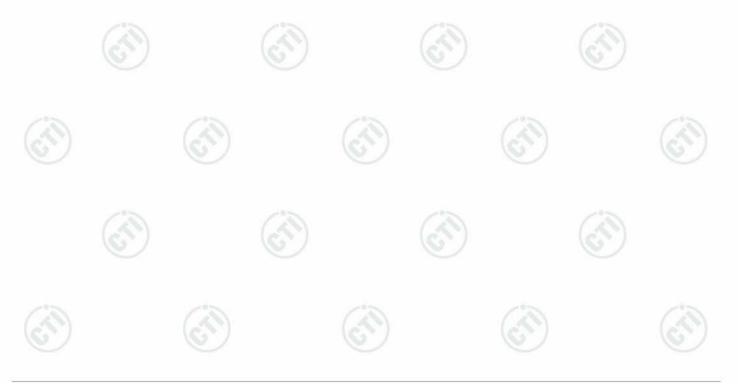
Note:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level =Receiver Reading -Correct Factor

Correct Factor = Preamplifier Factor - Antenna Factor - Cable Factor

2) Scan from 9kHz to 25GHz, the disturbance above 13GHz and below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.





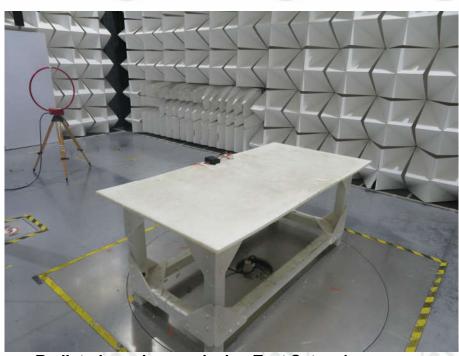




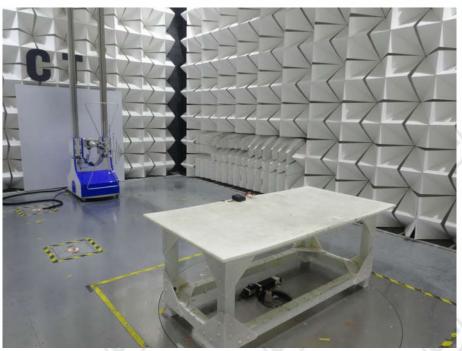


PHOTOGRAPHS OF TEST SETUP

Test model No.: CWL623



Radiated spurious emission Test Setup-1(9K-30MHz)



Radiated spurious emission Test Setup-2(30MHz-1GHz)





















Radiated spurious emission Test Setup-3(Above 1GHz)



Conducted Emissions Test Setup













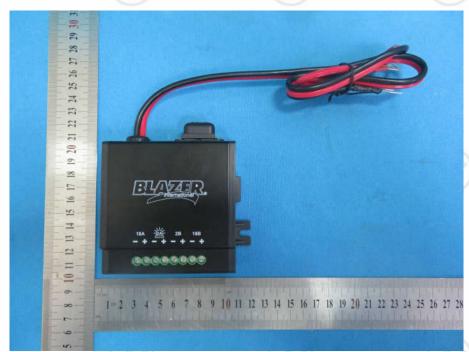




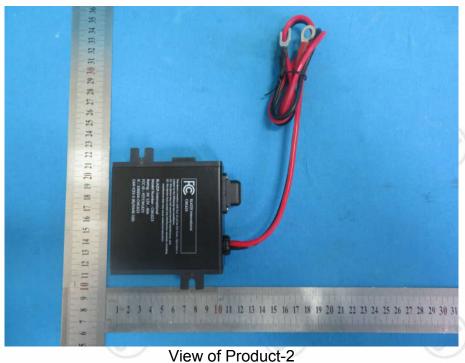


PHOTOGRAPHS OF EUT Constructional Details

Test model No.: CWL623



View of Product-1























View of Product-3



View of Product-4























View of Product-5



















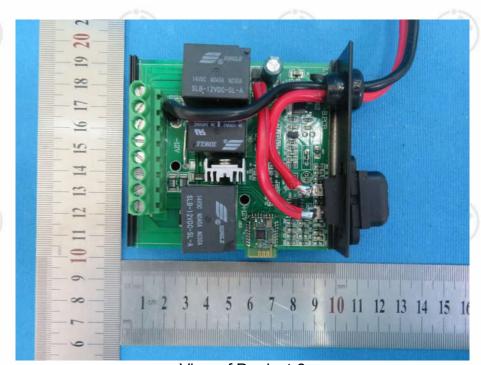


Report No.: EED32J00285301





View of Product-7



View of Product-8











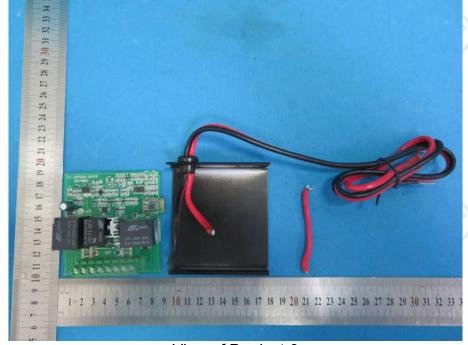




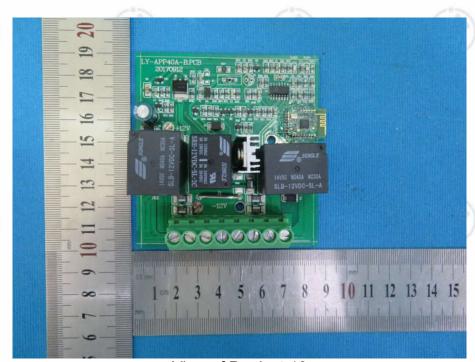








View of Product-9



View of Product-10















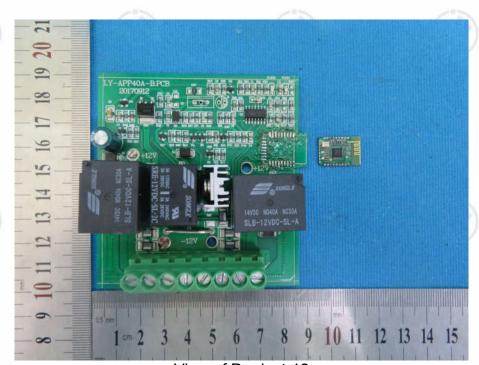








View of Product-11



View of Product-12











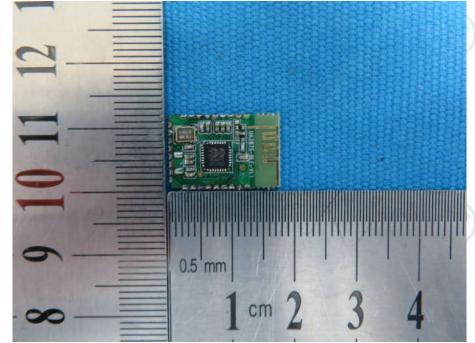




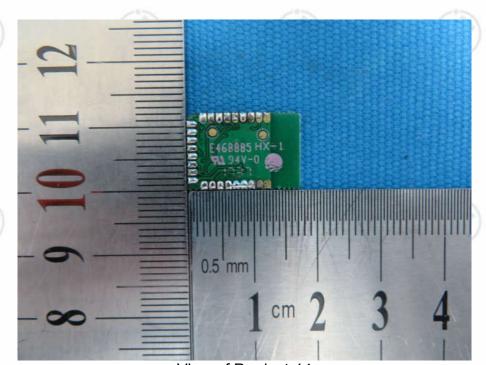








View of Product-13



View of Product-14



















View of Product-15

*** End of Report ***

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