

TEST REPORT

Product : WisePad 2
Trade mark : BBPOS
Model/Type reference : WisePad 2
Serial Number : N/A
Report Number : EED32I00208204
FCC ID : 2AB7X-WISEPAD2
Date of Issue : Aug. 25, 2016
Test Standards : 47 CFR Part 15 Subpart C (2015)
Test result : PASS

Prepared for:

BBPOS International Limited
Suite 1602, 16/F, Tower 2, Nina Tower, No. 8 Yeung Uk Road,
Tsuen Wan, N.T. HK, Hong Kong

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

Tested By:

Tom - chen

Compiled by:

Kevin yang

Reviewed by:

Tom chen (Test Project)

Kevin yang (Project Engineer)

Date:
Report Seal

Aug. 25, 2016

Approved by:

Sheek , Luo

Sheek Luo (Lab supervisor)

Check No.: 2384397829

Report No. : EED32I00208204

Page 2 of 53

2 Version

| Version No. | Date | Description |
|-------------|---------------|-------------|
| 00 | Aug. 25, 2016 | Original |
| | | |
| | | |

3 Test Summary

| Test Item | Test Requirement | Test method | Result |
|--|---|---|--------|
| Antenna Requirement | 47 CFR Part 15Subpart C Section 15.203/15.247 (c) | ANSI C63.10-2013 | PASS |
| 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 D01v03r05 | PASS |
| 6dB Occupied Bandwidth | 47 CFR Part 15Subpart C Section 15.247 (a)(2) | ANSI C63.10-2013/ KDB 558074 D01v03r05 | PASS |
| Power Spectral Density | 47 CFR Part 15Subpart C Section 15.247 (e) | ANSI C63.10-2013/ KDB 558074 D01v03r05 | PASS |
| Band-edge for RF Conducted Emissions | 47 CFR Part 15Subpart C Section 15.247(d) | ANSI C63.10-2013/ KDB 558074 D01v03r05 | PASS |
| RF Conducted Spurious Emissions | 47 CFR Part 15Subpart C Section 15.247(d) | ANSI C63.10-2013/ KDB 558074 D01v03r05 | 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 |

Remark:

Test according to ANSI C63.4-2014 & ANSI C63.10-2013.

The tested sample and the sample information are provided by the client.

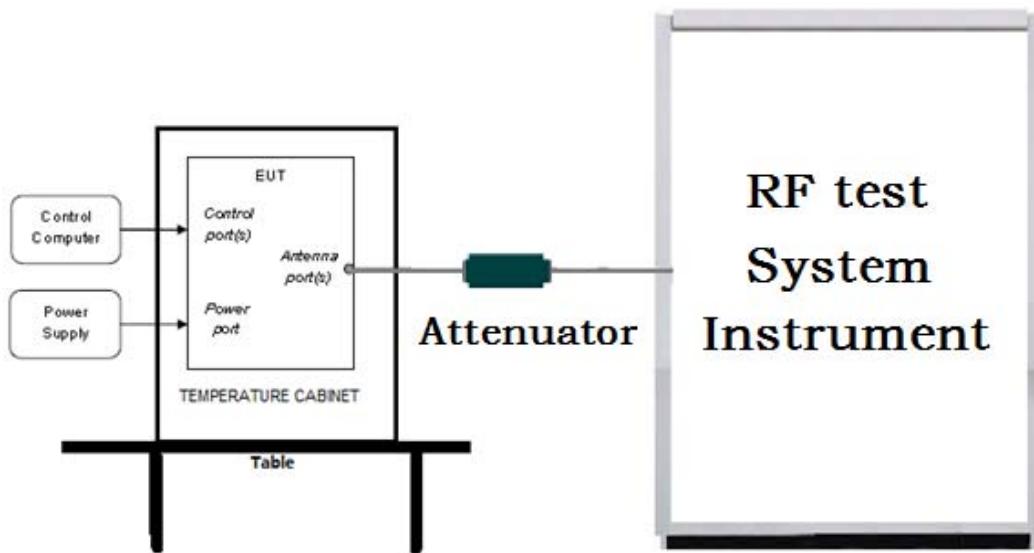
4 Content

| | |
|--|-----------|
| 1 COVER PAGE..... | 1 |
| 2 VERSION..... | 2 |
| 3 TEST SUMMARY..... | 3 |
| 4 CONTENT..... | 4 |
| 5 TEST REQUIREMENT..... | 5 |
| 5.1 TEST SETUP..... | 5 |
| 5.1.1 For Conducted test setup..... | 5 |
| 5.1.2 For Radiated Emissions test setup..... | 5 |
| 5.1.3 For Conducted Emissions test setup..... | 6 |
| 5.2 TEST ENVIRONMENT..... | 6 |
| 5.3 TEST CONDITION..... | 6 |
| 6 GENERAL INFORMATION..... | 7 |
| 6.1 CLIENT INFORMATION..... | 7 |
| 6.2 GENERAL DESCRIPTION OF EUT..... | 7 |
| 6.3 PRODUCT SPECIFICATION SUBJECTIVE TO THIS STANDARD..... | 7 |
| 6.4 DESCRIPTION OF SUPPORT UNITS..... | 8 |
| 6.5 TEST LOCATION..... | 8 |
| 6.6 TEST FACILITY..... | 8 |
| 6.7 DEVIATION FROM STANDARDS..... | 9 |
| 6.8 ABNORMALITIES FROM STANDARD CONDITIONS..... | 9 |
| 6.9 OTHER INFORMATION REQUESTED BY THE CUSTOMER..... | 9 |
| 6.10 MEASUREMENT UNCERTAINTY (95% CONFIDENCE LEVELS, K=2)..... | 9 |
| 7 EQUIPMENT LIST..... | 10 |
| 8 RADIO TECHNICAL REQUIREMENTS SPECIFICATION..... | 12 |
| Appendix A): 6dB Occupied Bandwidth..... | 13 |
| Appendix B): Conducted Peak Output Power..... | 15 |
| Appendix C): Band-edge for RF Conducted Emissions..... | 17 |
| Appendix D): RF Conducted Spurious Emissions..... | 18 |
| Appendix E): Power Spectral Density..... | 21 |
| Appendix F): Antenna Requirement..... | 23 |
| Appendix G): AC Power Line Conducted Emission..... | 24 |
| Appendix H): Restricted bands around fundamental frequency (Radiated)..... | 27 |
| Appendix I): Radiated Spurious Emissions..... | 30 |
| PHOTOGRAPHS OF TEST SETUP..... | 35 |
| PHOTOGRAPHS OF EUT CONSTRUCTIONAL DETAILS..... | 37 |

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:

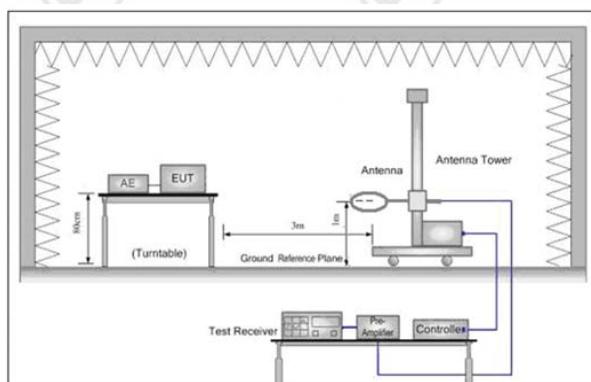


Figure 1. Below 30MHz

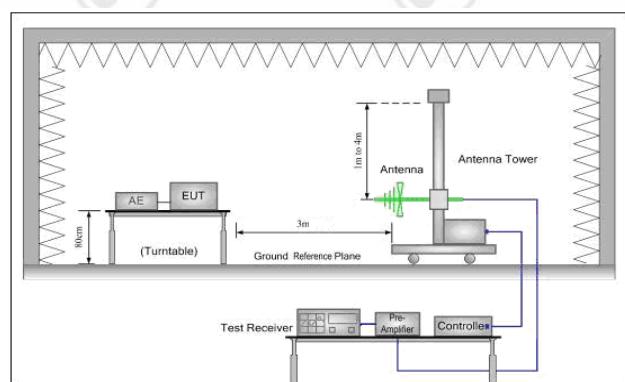


Figure 2. 30MHz to 1GHz

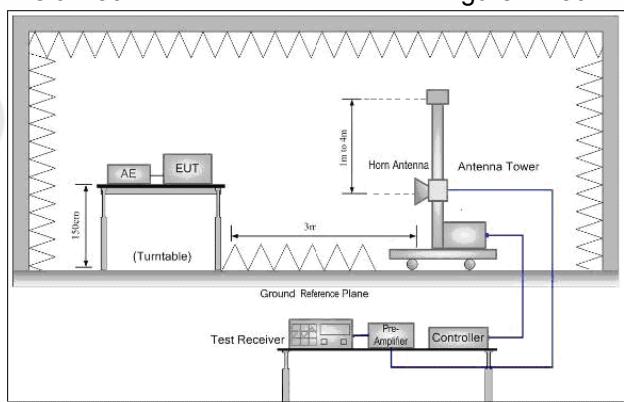
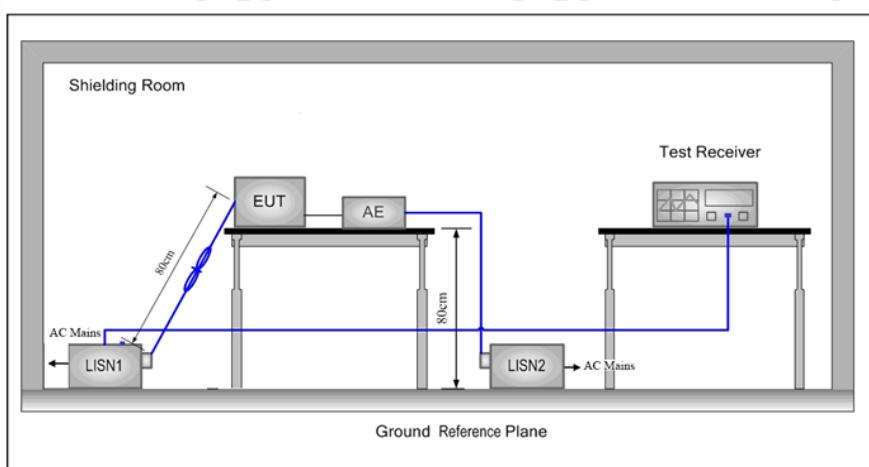


Figure 3. Above 1GHz

5.1.3 For Conducted Emissions test setup

Conducted Emissions setup



5.2 Test Environment

Operating Environment:

| | |
|-----------------------|-----------|
| Temperature: | 21 °C |
| Humidity: | 54 % RH |
| Atmospheric Pressure: | 1010 mbar |

5.3 Test Condition

Test channel:

| Test Mode | Tx | RF Channel | | |
|--------------------|--|------------|------------|------------|
| | | Low(L) | Middle(M) | High(H) |
| GFSK | 2402MHz ~2480 MHz | Channel 1 | Channel 20 | Channel 40 |
| Transmitting mode: | Keep the EUT in transmitting mode with all kind of modulation and all kind of data rate. | 2402MHz | 2440MHz | 2480MHz |

6 General Information

6.1 Client Information

| | |
|--------------------------|---|
| Applicant: | BBPOS International Limited |
| Address of Applicant: | Suite 1602, 16/F, Tower 2, Nina Tower, No. 8 Yeung Uk Road, Tsuen Wan, N.T. HK, Hong Kong |
| Manufacturer: | BBPOS International Limited |
| Address of Manufacturer: | Suite 1602, 16/F, Tower 2, Nina Tower, No. 8 Yeung Uk Road, Tsuen Wan, N.T. HK, Hong Kong |

6.2 General Description of EUT

| | |
|----------------------------------|--|
| Product Name: | WisePad 2 |
| Mode No.(EUT): | WisePad 2 |
| Trade Mark: | BBPOS |
| EUT Supports Radios application: | BT 2.1(2402MHz-2480MHz), BT 4.0(2402MHz-2480MHz), NFC(13.56MHz), WiFi b/g/n(HT20)(2412MHz-2462MHz), 2G(850MHz/1900MHz) |
| Power Supply: | DC 3.7V by Battery DC 5V by USB port |
| Battery: | Li-polymer 3.7V, 750mAh |
| Sample Received Date: | Jul. 26. 2016 |
| Sample tested Date: | Jul. 26. 2016 to Aug. 25, 2016 |

6.3 Product Specification subjective to this standard

| | |
|-----------------------|-----------------------|
| Operation Frequency: | 2402MHz~2480MHz |
| Bluetooth Version: | 4.0 |
| Modulation Technique: | DSSS |
| Modulation Type: | GFSK |
| Number of Channel: | 40 |
| Sample Type: | Portable production |
| Antenna Type: | Integral |
| Test Power Grade: | N/A |
| Test Software of EUT: | BBPOS_Transaction |
| Antenna Gain: | 1dBi |
| Test Voltage: | AC 120V/50Hz, DC 3.7V |

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 |
| 7 | 2414MHz | 17 | 2434MHz | 27 | 2454MHz | 37 | 2474MHz |

Report No. : EED32I00208204

Page 8 of 53

| | | | | | | | |
|----|---------|----|---------|----|---------|----|---------|
| 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

1) support equipment

| Description | Manufacturer | Model No. | Certification | Supplied by |
|-------------|--------------|--------------|---------------|-------------|
| laptop | LENOVO | E46L | FCC DOC | CTI |
| Mouse | LENOVO | LXH-EMS-10ZA | FCC DOC | CTI |

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-Registration No.: 886427

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 acceptance letter from the FCC is maintained in our files. Registration 886427.

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.

NEMKO-Aut. No.: ELA503

Centre Testing International Group Co., Ltd. has been assessed the quality assurance system, the testing facilities, qualifications and testing practices of the relevant parts of the organization. The quality assurance system of the Laboratory has been validated against ISO/IEC 17025 or equivalent. The laboratory also fulfils the conditions described in Nemko Document NLA-10.

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 | 7.9×10^{-8} |
| 2 | RF power, conducted | 0.31dB (30MHz-1GHz) |
| | | 0.57dB (1GHz-18GHz) |
| 3 | Radiated Spurious emission test | 4.5dB (30MHz-1GHz) |
| | | 4.8dB (1GHz-12.75GHz) |
| 4 | Conduction emission | 3.6dB (9kHz to 150kHz) |
| | | 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 | Mode No. | Serial Number | Cal. Date (mm-dd-yyyy) | Cal. Due date (mm-dd-yyyy) |
| Signal Generator | Keysight | E8257D | MY53401106 | 04-01-2016 | 03-31-2017 |
| Communication test set test set | Agilent | N4010A | MY51400230 | 04-01-2016 | 03-31-2017 |
| Spectrum Analyzer | Keysight | N9010A | MY54510339 | 04-01-2016 | 03-31-2017 |
| Signal Generator | Keysight | N5182B | MY53051549 | 04-01-2016 | 03-31-2017 |
| High-pass filter | Sinoscite | FL3CX03WG18 NM12-0398-002 | --- | 01-12-2016 | 01-11-2017 |
| High-pass filter | MICRO-TRONICS | SPA-F-63029-4 | --- | 01-12-2016 | 01-11-2017 |
| DC Power | Keysight | E3642A | MY54436035 | 04-01-2016 | 03-31-2017 |
| PC-1 | Lenovo | R4960d | --- | 04-01-2016 | 03-31-2017 |
| power meter & power sensor | R&S | OSP120 | 101374 | 04-01-2016 | 03-31-2017 |
| RF control unit | JS Tonscend | JS0806-2 | 158060006 | 04-01-2016 | 03-31-2017 |
| BT&WI-FI Automatic test software | JS Tonscend | JS1120-2 | --- | 04-01-2016 | 03-31-2017 |

| Conducted disturbance Test | | | | | |
|---------------------------------|--------------|----------|---------------|------------------------|----------------------------|
| Equipment | Manufacturer | Mode No. | Serial Number | Cal. date (mm-dd-yyyy) | Cal. Due date (mm-dd-yyyy) |
| Receiver | R&S | ESCI | 100009 | 06-16-2016 | 06-15-2017 |
| Temperature/ Humidity Indicator | TAYLOR | 1451 | 1905 | 04-27-2016 | 04-26-2017 |
| Communication test set | Agilent | E5515C | GB47050534 | 04-01-2016 | 03-31-2017 |
| Communication test set | R&S | CMW500 | 152394 | 04-01-2016 | 03-31-2017 |
| LISN | R&S | ENV216 | 100098 | 06-16-2016 | 06-15-2017 |
| LISN | schwarzbeck | NNLK8121 | 8121-529 | 06-16-2016 | 06-15-2017 |
| Voltage Probe | R&S | ESH2-Z3 | -- | 07-09-2014 | 07-07-2017 |
| Current Probe | R&S | EZ17 | 100106 | 06-16-2016 | 06-15-2017 |
| ISN | TESEQ GmbH | ISN T800 | 30297 | 01-29-2015 | 01-27-2017 |

| 3M Semi/full-anechoic Chamber | | | | | |
|----------------------------------|---------------|------------------------------|---------------|------------------------|----------------------------|
| Equipment | Manufacturer | Mode No. | Serial Number | Cal. date (mm-dd-yyyy) | Cal. Due date (mm-dd-yyyy) |
| 3M Chamber & Accessory Equipment | TDK | SAC-3 | --- | 06-05-2016 | 06-05-2019 |
| TRILOG Broadband Antenna | SCHWARZBECK | VULB9163 | 9163-484 | 05-23-2016 | 05-22-2017 |
| Microwave Preamplifier | Agilent | 8449B | 3008A02425 | 02-04-2016 | 02-03-2017 |
| Horn Antenna | ETS-LINDGREN | 3117 | 00057410 | 06-30-2015 | 06-28-2018 |
| Horn Antenna | A.H.SYSTEMS | SAS-574 | 374 | 06-30-2015 | 06-28-2018 |
| Loop Antenna | ETS | 6502 | 00071730 | 07-30-2015 | 07-28-2017 |
| Spectrum Analyzer | R&S | FSP40 | 100416 | 06-16-2016 | 06-15-2017 |
| Receiver | R&S | ESCI | 100435 | 06-16-2016 | 06-15-2017 |
| Multi device Controller | maturo | NCD/070/1071 1112 | --- | 01-12-2016 | 01-11-2017 |
| LISN | schwarzbeck | NNBM8125 | 81251547 | 06-16-2016 | 06-15-2017 |
| LISN | schwarzbeck | NNBM8125 | 81251548 | 06-16-2016 | 06-15-2017 |
| Signal Generator | Agilent | E4438C | MY45095744 | 04-01-2016 | 03-31-2017 |
| Signal Generator | Keysight | E8257D | MY53401106 | 04-01-2016 | 03-31-2017 |
| Temperature/ Humidity Indicator | TAYLOR | 1451 | 1905 | 04-27-2016 | 04-26-2017 |
| Communication test set | Agilent | E5515C | GB47050534 | 04-01-2016 | 03-31-2017 |
| Cable line | Fulai(7M) | SF106 | 5219/6A | 01-12-2016 | 01-11-2017 |
| Cable line | Fulai(6M) | SF106 | 5220/6A | 01-12-2016 | 01-11-2017 |
| Cable line | Fulai(3M) | SF106 | 5216/6A | 01-12-2016 | 01-11-2017 |
| Cable line | Fulai(3M) | SF106 | 5217/6A | 01-12-2016 | 01-11-2017 |
| Communication test set | R&S | CMW500 | 152394 | 04-01-2016 | 03-31-2017 |
| High-pass filter | Sinoscite | FL3CX03WG1 8NM12-0398-002 | --- | 01-12-2016 | 01-11-2017 |
| High-pass filter | MICRO-TRONICS | SPA-F-63029-4 | --- | 01-12-2016 | 01-11-2017 |
| band rejection filter | Sinoscite | FL5CX01CA09 CL12-0395-001 | --- | 01-12-2016 | 01-11-2017 |
| band rejection filter | Sinoscite | FL5CX01CA08 CL12-0393-001 | --- | 01-12-2016 | 01-11-2017 |
| band rejection filter | Sinoscite | FL5CX02CA04 CL12-0396-002 | --- | 01-12-2016 | 01-11-2017 |
| band rejection filter | Sinoscite | FL5CX02CA03 CL12-0394-001 | --- | 01-12-2016 | 01-11-2017 |

Report No. : EED32I00208204

Page 12 of 53

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 Unlicensed 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) |
| 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) |

Appendix A): 6dB Occupied Bandwidth**Test Result**

| Mode | Channel | 6dB Bandwidth [MHz] | 99% OBW[MHz] | Verdict | Remark |
|------|---------|---------------------|--------------|---------|---------------|
| BLE | LCH | 0.7234 | 1.0687 | PASS | Peak detector |
| BLE | MCH | 0.7259 | 1.0673 | PASS | |
| BLE | HCH | 0.7193 | 1.0676 | PASS | |

Test Graphs

| | | Graphs | |
|-----|--|---|--|
| LCH | |  <p>Keystream Spectrum Analyzer - Occupied BW</p> <p>Center Freq 2.402000000 GHz</p> <p>Occupied Bandwidth 1.0687 MHz</p> <p>Total Power 12.2 dBm</p> <p>Transmit Freq Error 35.247 kHz</p> <p>x dB Bandwidth 723.4 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB -6.00 dB</p> | <p>Frequency</p> <p>Center Freq 2.402000000 GHz</p> <p>CF Step 300.000 kHz</p> <p>Freq Offset 0 Hz</p> |
| MCH | |  <p>Keystream Spectrum Analyzer - Occupied BW</p> <p>Center Freq 2.440000000 GHz</p> <p>Occupied Bandwidth 1.0673 MHz</p> <p>Total Power 12.4 dBm</p> <p>Transmit Freq Error 37.912 kHz</p> <p>x dB Bandwidth 725.9 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB -6.00 dB</p> | <p>Frequency</p> <p>Center Freq 2.440000000 GHz</p> <p>CF Step 300.000 kHz</p> <p>Freq Offset 0 Hz</p> |
| HCH | |  <p>Keystream Spectrum Analyzer - Occupied BW</p> <p>Center Freq 2.480000000 GHz</p> <p>Occupied Bandwidth 1.0676 MHz</p> <p>Total Power 11.7 dBm</p> <p>Transmit Freq Error 40.263 kHz</p> <p>x dB Bandwidth 719.3 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB -6.00 dB</p> | <p>Frequency</p> <p>Center Freq 2.480000000 GHz</p> <p>CF Step 300.000 kHz</p> <p>Freq Offset 0 Hz</p> |

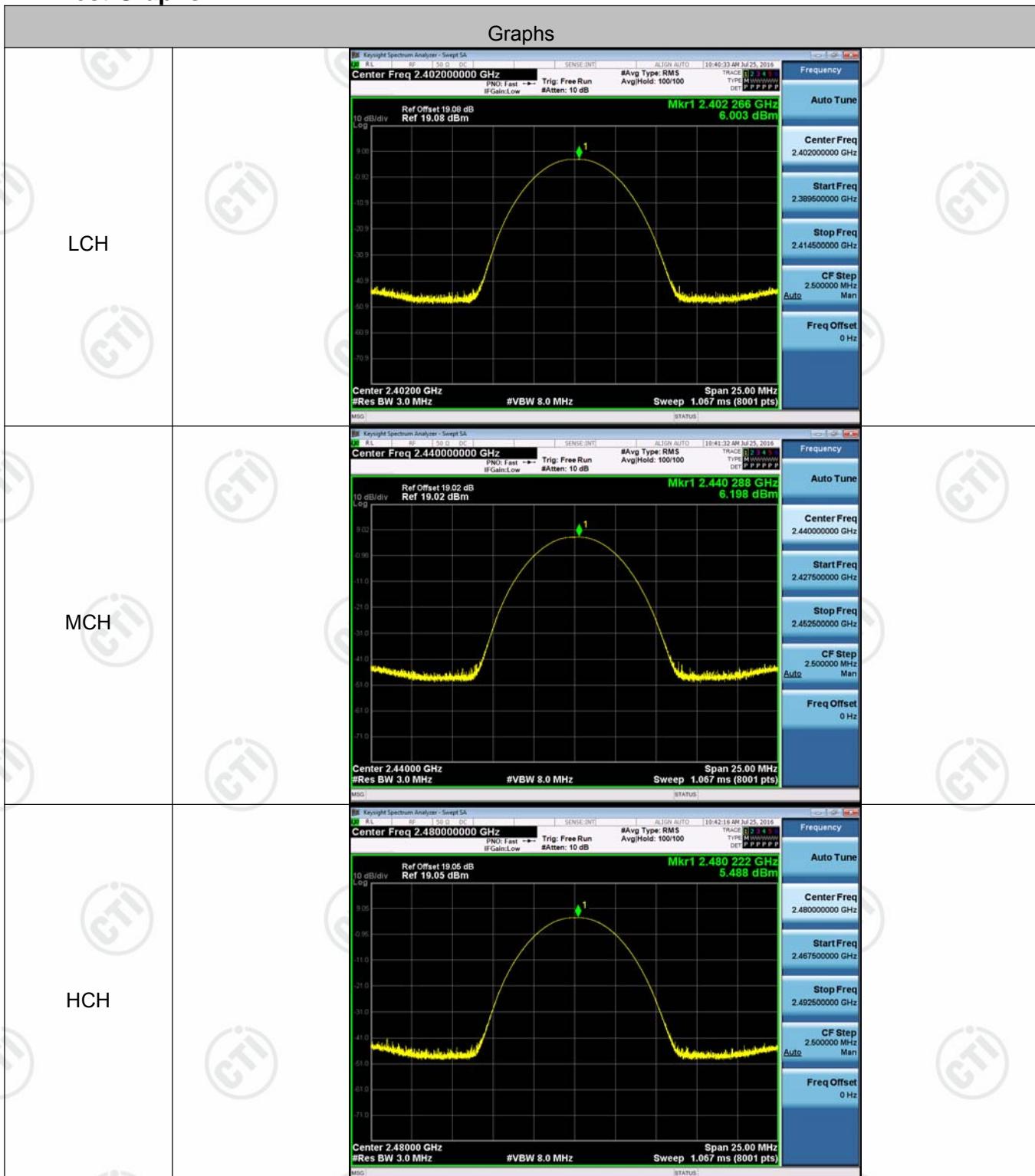
Report No. : EED32I00208204

Page 15 of 53

Appendix B): Conducted Peak Output Power**Test Result**

| Mode | Channel | Conduct Peak Power[dBm] | Verdict |
|------|---------|-------------------------|---------|
| BLE | LCH | 6.003 | PASS |
| BLE | MCH | 6.198 | PASS |
| BLE | HCH | 5.488 | PASS |

Test Graphs

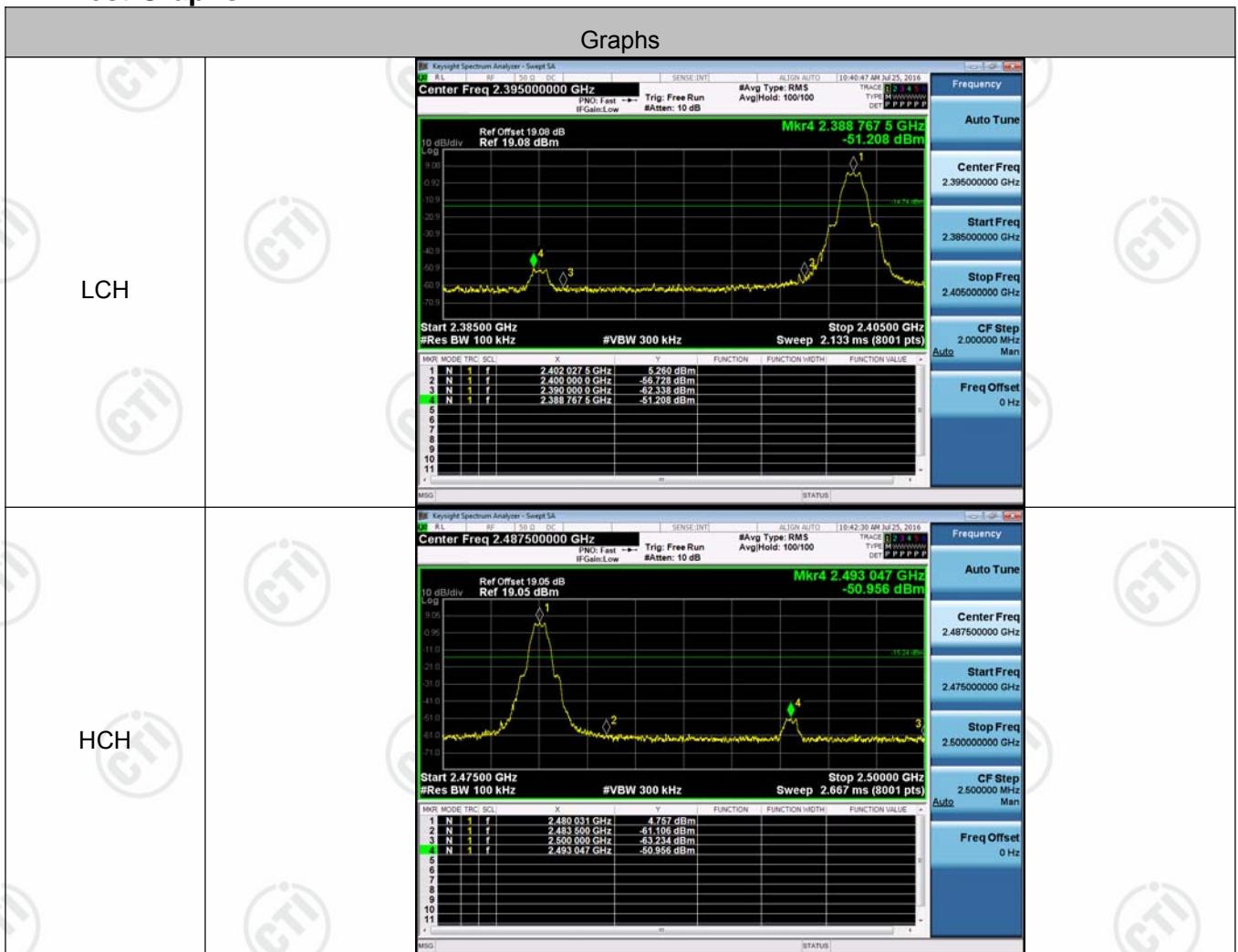


Appendix C): Band-edge for RF Conducted Emissions

Result Table

| Mode | Channel | Carrier Power[dBm] | Max.Spurious Level [dBm] | Limit [dBm] | Verdict |
|------|---------|--------------------|--------------------------|-------------|---------|
| BLE | LCH | 5.260 | -51.208 | -14.74 | PASS |
| BLE | HCH | 4.757 | -50.956 | -15.24 | PASS |

Test Graphs

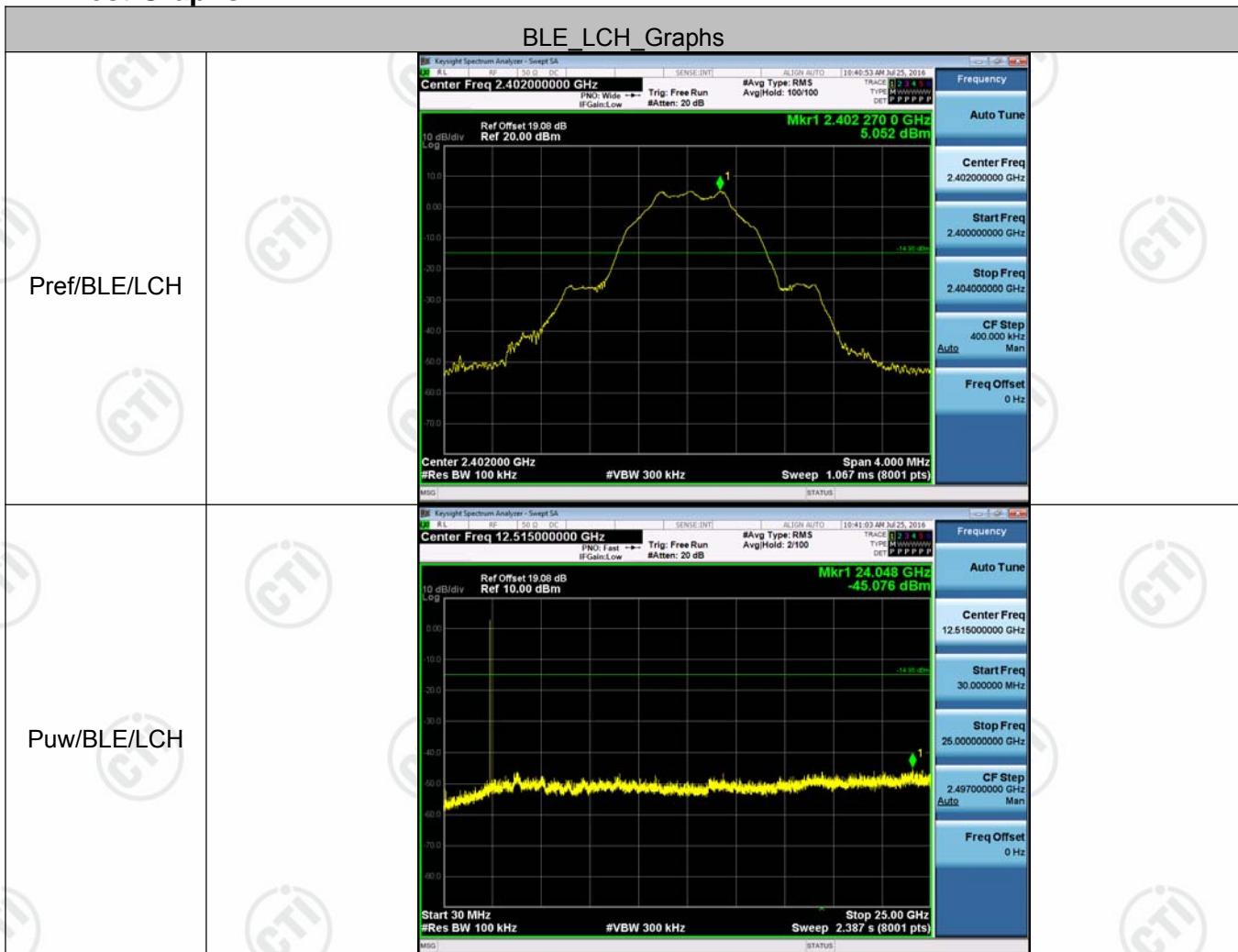


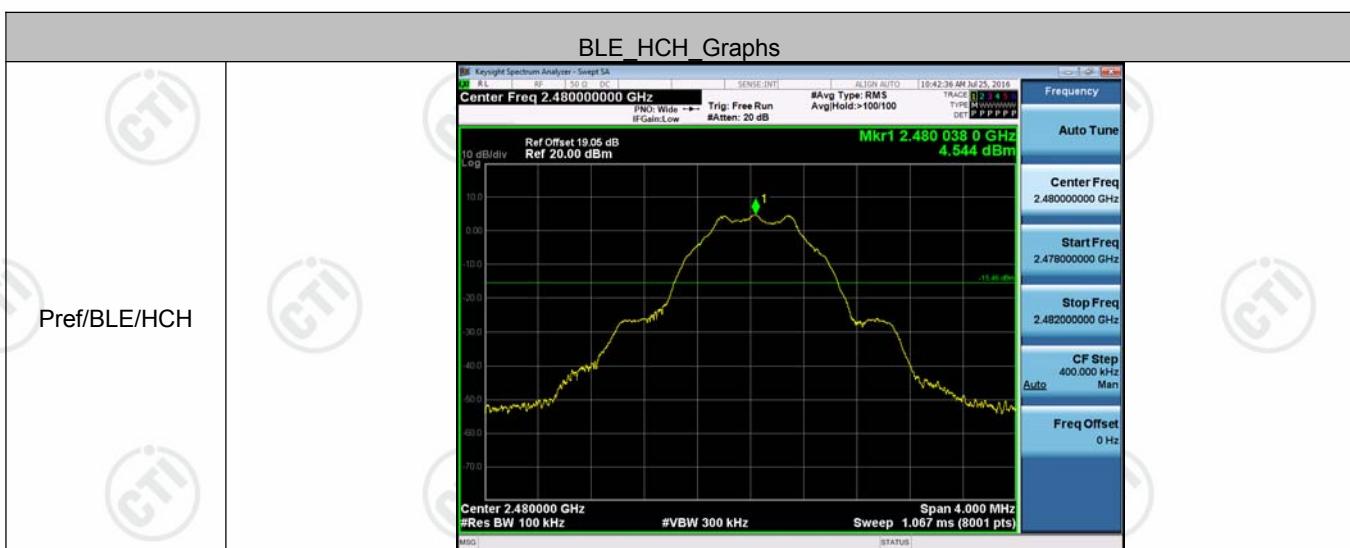
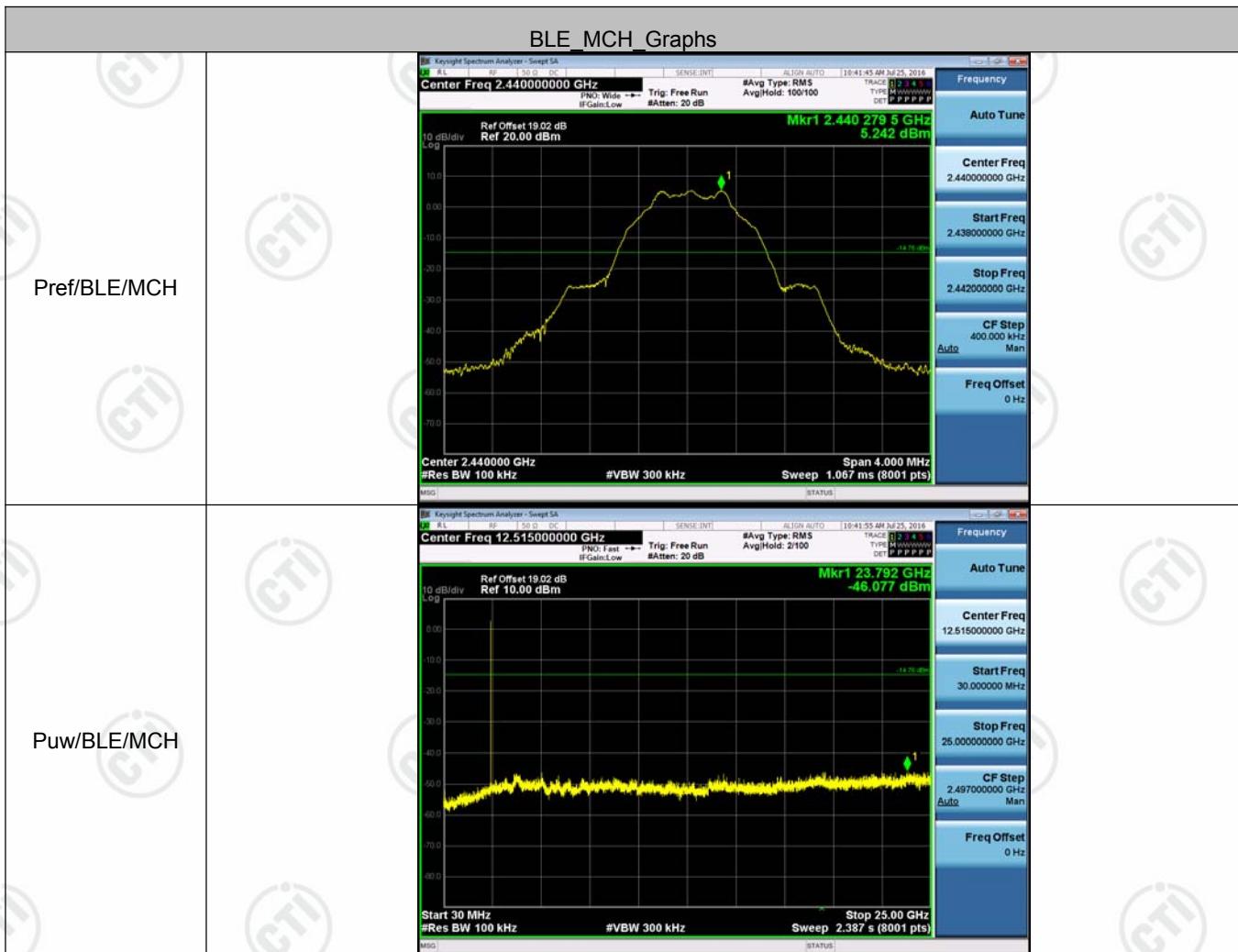
Appendix D): RF Conducted Spurious Emissions

Result Table

| Mode | Channel | Pref [dBm] | Puw[dBm] | Verdict |
|------|---------|------------|----------|---------|
| BLE | LCH | 5.052 | <Limit | PASS |
| BLE | MCH | 5.242 | <Limit | PASS |
| BLE | HCH | 4.544 | <Limit | PASS |

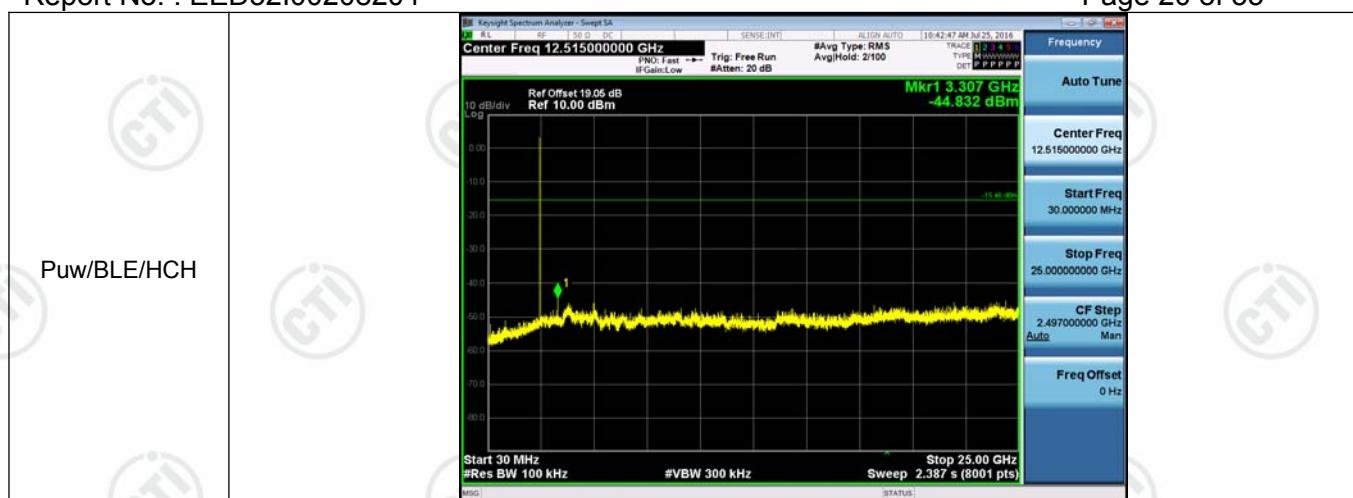
Test Graphs





Report No. : EED32I00208204

Page 20 of 53



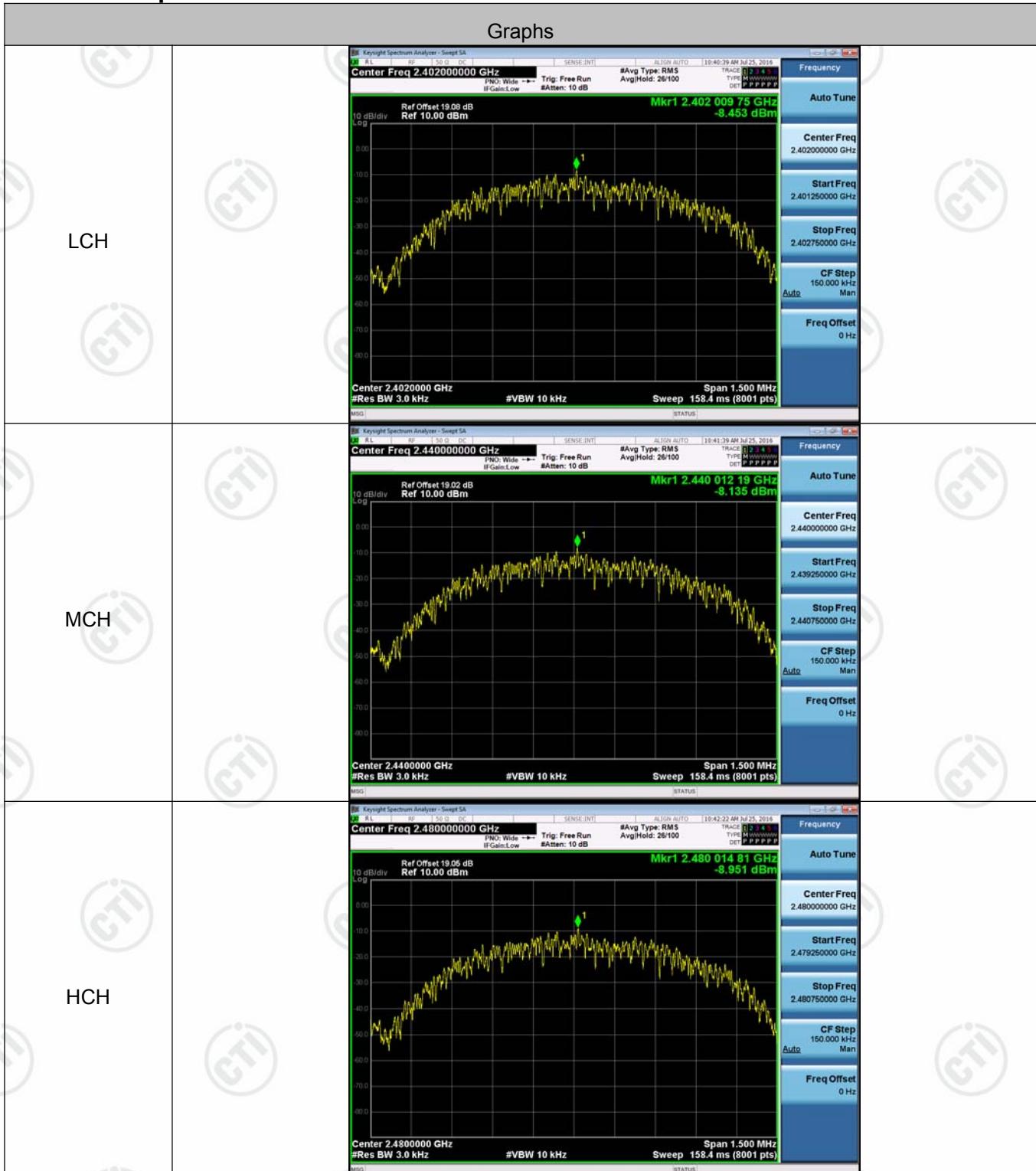
Report No. : EED32I00208204

Page 21 of 53

Appendix E): Power Spectral Density**Result Table**

| Mode | Channel | PSD [dBm/3kHz] | Limit [dBm/3kHz] | Verdict |
|------|---------|----------------|------------------|---------|
| BLE | LCH | -8.453 | 8 | PASS |
| BLE | MCH | -8.135 | 8 | PASS |
| BLE | HCH | -8.951 | 8 | PASS |

Test Graphs



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.

EUT Antenna:

The antenna is integrated on the main PCB and no consideration of replacement. The best case gain of the antenna is 1dBi.



Appendix G): AC Power Line Conducted Emission

| Test Procedure: | <p>Test frequency range :150KHz-30MHz</p> <p>1)The mains terminal disturbance voltage test was conducted in a shielded room.</p> <p>2) The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a $50\Omega/50\mu\text{H} + 5\Omega$ 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.</p> <p>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,</p> <p>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.</p> <p>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.</p> | | | | | | | | | | | | | | | | |
|-----------------------|--|-----------|--|-----------------------|--------------------|--|------------|---------|----------|-----------|-----------|-------|----|----|------|----|----|
| Limit: | <table border="1"> <thead> <tr> <th rowspan="2">Frequency range (MHz)</th> <th colspan="2">Limit (dBμV)</th> </tr> <tr> <th>Quasi-peak</th> <th>Average</th> </tr> </thead> <tbody> <tr> <td>0.15-0.5</td> <td>66 to 56*</td> <td>56 to 46*</td> </tr> <tr> <td>0.5-5</td> <td>56</td> <td>46</td> </tr> <tr> <td>5-30</td> <td>60</td> <td>50</td> </tr> </tbody> </table> <p>* The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz.</p> <p>NOTE : The lower limit is applicable at the transition frequency</p> | | | Frequency range (MHz) | Limit (dB μ V) | | Quasi-peak | Average | 0.15-0.5 | 66 to 56* | 56 to 46* | 0.5-5 | 56 | 46 | 5-30 | 60 | 50 |
| Frequency range (MHz) | Limit (dB μ V) | | | | | | | | | | | | | | | | |
| | Quasi-peak | Average | | | | | | | | | | | | | | | |
| 0.15-0.5 | 66 to 56* | 56 to 46* | | | | | | | | | | | | | | | |
| 0.5-5 | 56 | 46 | | | | | | | | | | | | | | | |
| 5-30 | 60 | 50 | | | | | | | | | | | | | | | |

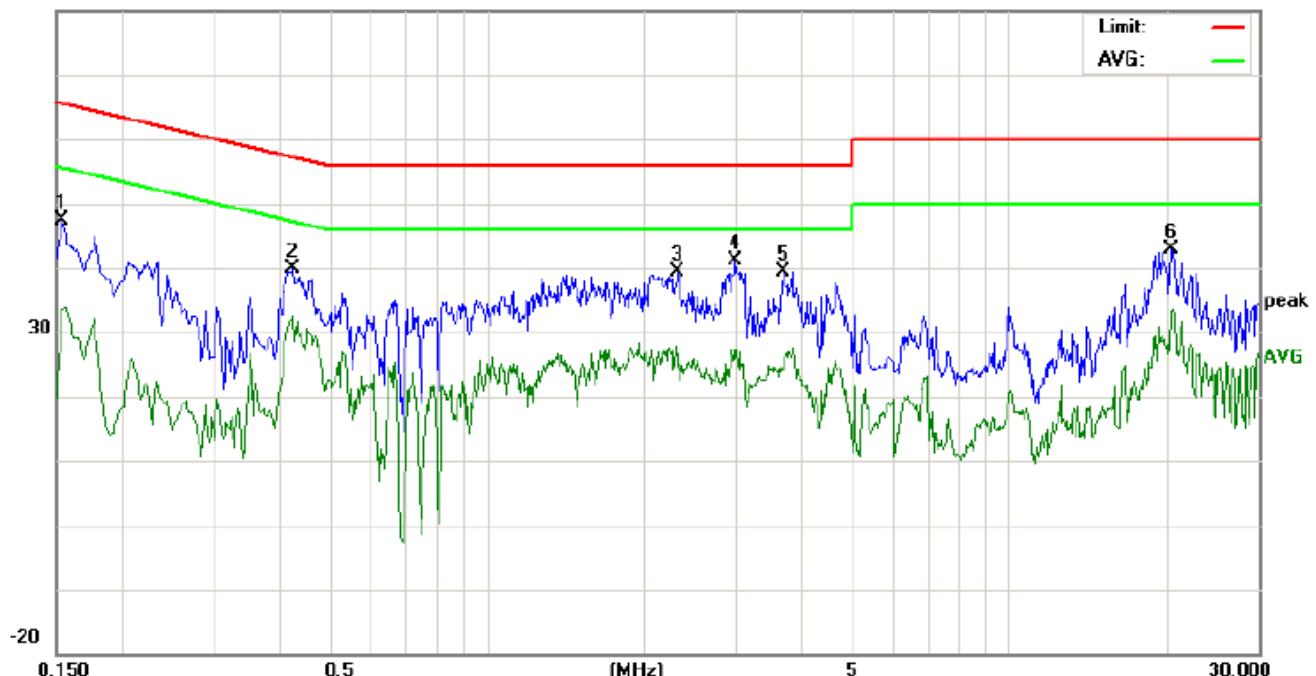
Measurement Data

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.

Live line:

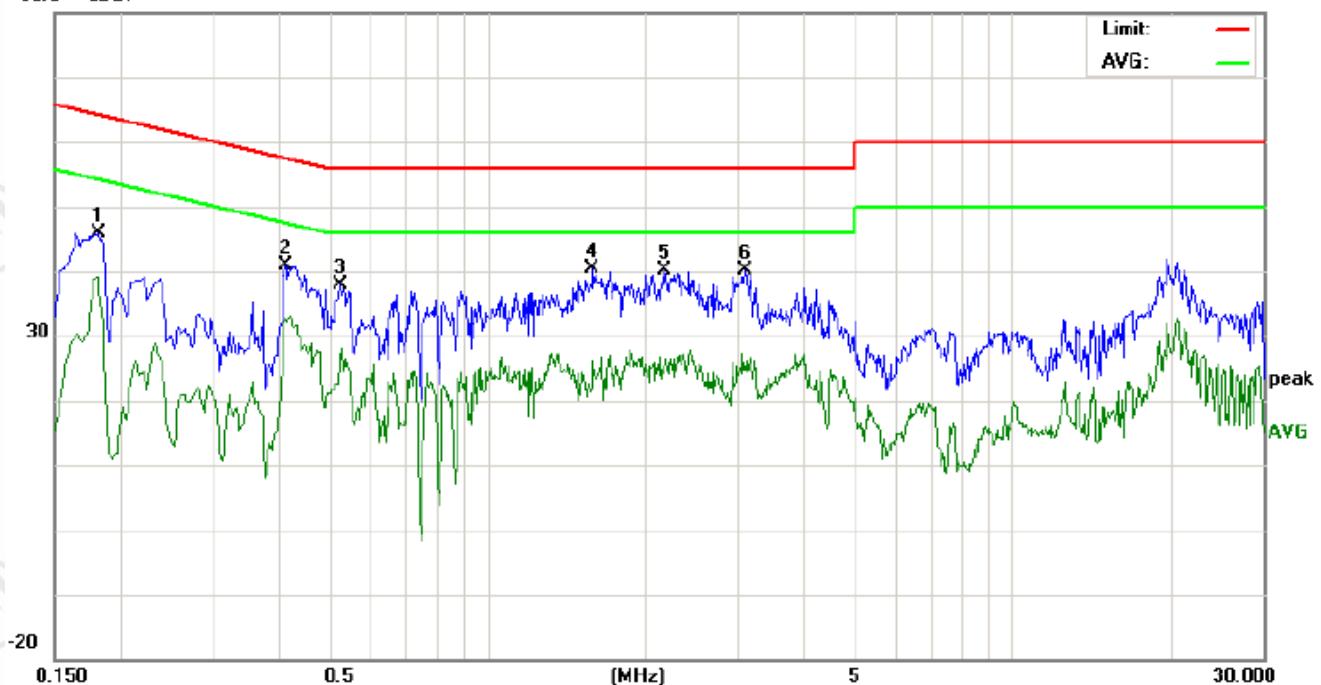
80.0 dBuV



| No. | Freq. MHz | Reading_Level (dBuV) | | | Correct Factor dB | Measurement (dBuV) | | | Limit (dBuV) | | | Margin (dB) | | |
|-----|--------------|-------------------------|-------|-------|-------------------------|-----------------------|-------|-------|-----------------|--------|--------|----------------|-----|---------|
| | | Peak | QP | AVG | | peak | QP | Avg | QP | Avg | QP | Avg | P/F | Comment |
| 1 | 0.1539 | 37.64 | 23.85 | 9.80 | 47.44 | | 33.65 | 65.78 | 55.78 | -18.34 | -22.13 | P | | |
| 2 | 0.4259 | 30.09 | 22.59 | 9.90 | 39.99 | | 32.49 | 57.33 | 47.33 | -17.34 | -14.84 | P | | |
| 3 | 2.3260 | 29.38 | 16.62 | 10.00 | 39.38 | | 26.62 | 56.00 | 46.00 | -16.62 | -19.38 | P | | |
| 4 | 3.0059 | 31.13 | 17.27 | 10.00 | 41.13 | | 27.27 | 56.00 | 46.00 | -14.87 | -18.73 | P | | |
| 5 | 3.6939 | 29.48 | 14.55 | 10.00 | 39.48 | | 24.55 | 56.00 | 46.00 | -16.52 | -21.45 | P | | |
| 6 | 20.4780 | 32.28 | 22.86 | 10.49 | 42.77 | | 33.35 | 60.00 | 50.00 | -17.23 | -16.65 | P | | |

Neutral line:

80.0 dBuV



| No. | Freq. MHz | Reading_Level (dBuV) | | | Correct Factor | | | Measurement (dBuV) | | | Limit (dBuV) | | | Margin (dB) | | |
|-----|--------------|-------------------------|----|-------|----------------|-------|----|-----------------------|-------|-------|-----------------|--------|-----|----------------|--|--|
| | | Peak | QP | AVG | dB | peak | QP | AVG | QP | AVG | QP | AVG | P/F | Comment | | |
| 1 | 0.1824 | 36.19 | | 27.47 | 9.80 | 45.99 | | 37.27 | 64.37 | 54.37 | -18.38 | -17.10 | P | | | |
| 2 | 0.4138 | 30.94 | | 22.68 | 9.90 | 40.84 | | 32.58 | 57.57 | 47.57 | -16.73 | -14.99 | P | | | |
| 3 | 0.5260 | 27.87 | | 15.86 | 9.90 | 37.77 | | 25.76 | 56.00 | 46.00 | -18.23 | -20.24 | P | | | |
| 4 | 1.5859 | 30.26 | | 16.03 | 10.00 | 40.26 | | 26.03 | 56.00 | 46.00 | -15.74 | -19.97 | P | | | |
| 5 | 2.1779 | 30.23 | | 14.96 | 10.00 | 40.23 | | 24.96 | 56.00 | 46.00 | -15.77 | -21.04 | P | | | |
| 6 | 3.1018 | 30.06 | | 14.84 | 10.00 | 40.06 | | 24.84 | 56.00 | 46.00 | -15.94 | -21.16 | P | | | |

Notes:

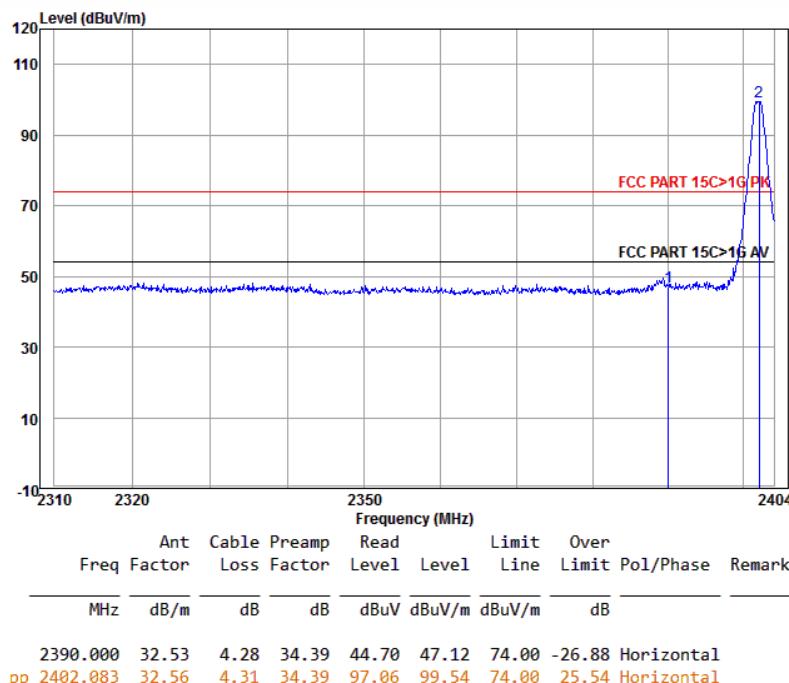
1. The following Quasi-Peak and Average measurements were performed on the EUT:
2. Final Test Level =Receiver Reading + LISN Factor + Cable Loss.

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

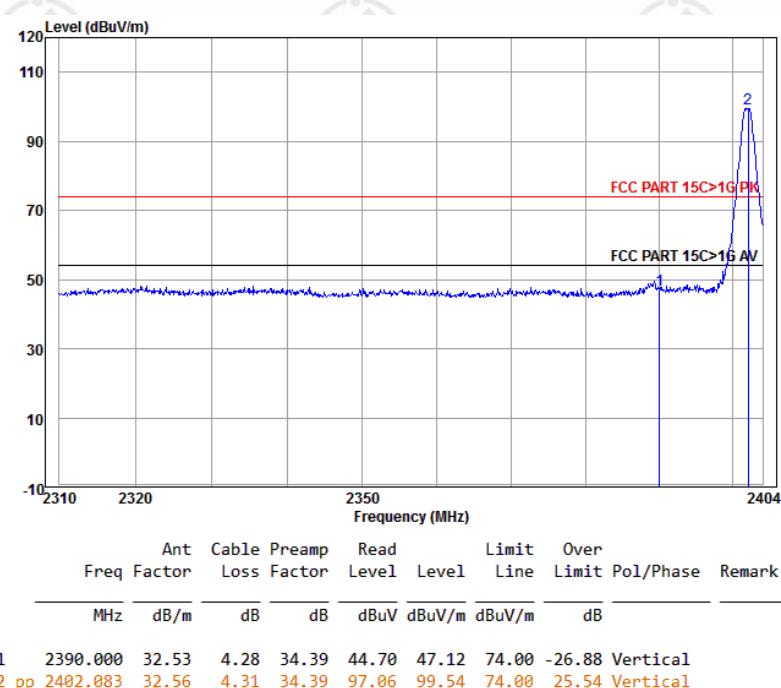
| Receiver Setup: | Frequency | Detector | RBW | VBW | Remark | |
|--|---------------|--------------------------|------------------|--------|------------|--|
| Test Procedure: | 30MHz-1GHz | Quasi-peak | 120kHz | 300kHz | Quasi-peak | |
| | Above 1GHz | Peak | 1MHz | 3MHz | Peak | |
| | | Peak | 1MHz | 10Hz | Average | |
| Below 1GHz test procedure as below: | | | | | | |
| <p>a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.</p> <p>b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.</p> <p>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.</p> <p>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 and the rotatable was turned from 0 degrees to 360 degrees to find the maximum reading.</p> <p>e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.</p> <p>f. Place a marker at the end of the restricted band closest to the transmit frequency to show compliance. Also measure any emissions in the restricted bands. Save the spectrum analyzer plot. Repeat for each power and modulation for lowest and highest channel</p> | | | | | | |
| Above 1GHz test procedure as below: | | | | | | |
| <p>g. Different between above is the test site, change from Semi- Anechoic Chamber to fully Anechoic Chamber change form table 0.8 meter to 1.5 meter(Above 18GHz the distance is 1 meter and table is 1.5 meter).</p> <p>h. Test the EUT in the lowest channel , the Highest channel</p> <p>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.</p> <p>j. Repeat above procedures until all frequencies measured was complete.</p> | | | | | | |
| Limit: | Frequency | Limit (dB μ V/m @3m) | Remark | | | |
| | 30MHz-88MHz | 40.0 | Quasi-peak Value | | | |
| | 88MHz-216MHz | 43.5 | Quasi-peak Value | | | |
| | 216MHz-960MHz | 46.0 | Quasi-peak Value | | | |
| | 960MHz-1GHz | 54.0 | Quasi-peak Value | | | |
| | Above 1GHz | 54.0 | Average Value | | | |
| | | 74.0 | Peak Value | | | |

Test plot as follows:

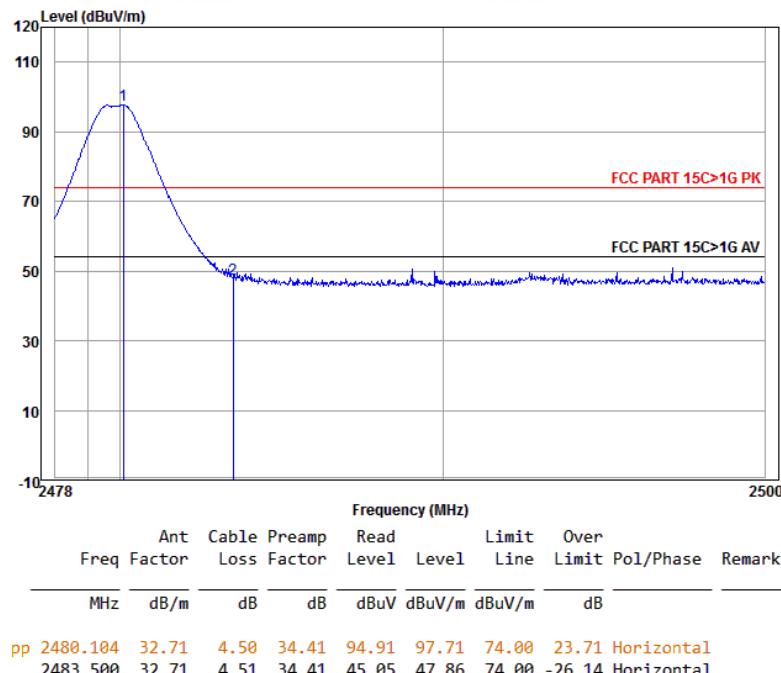
| | | | |
|----------------------|----------------------|--------------------------|--------------|
| Worse case mode: | GFSK(1-DH5) | | |
| Frequency: 2390.0MHz | Test channel: Lowest | Polarization: Horizontal | Remark: Peak |



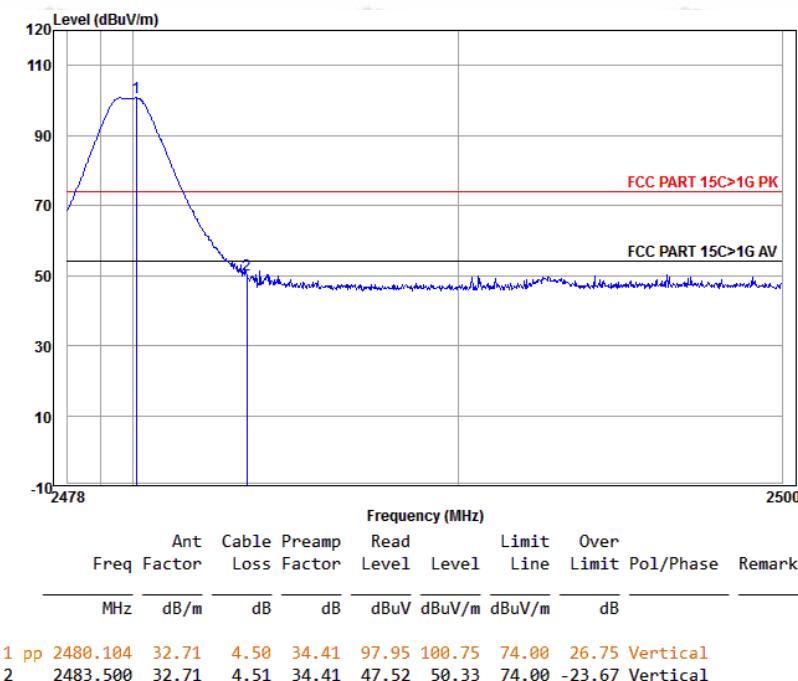
| | | | |
|----------------------|----------------------|------------------------|--------------|
| Worse case mode: | GFSK(1-DH5) | | |
| Frequency: 2390.0MHz | Test channel: Lowest | Polarization: Vertical | Remark: Peak |



| | | | |
|----------------------|-----------------------|--------------------------|--------------|
| Worse case mode: | GFSK | | |
| Frequency: 2483.5MHz | Test channel: Highest | Polarization: Horizontal | Remark: Peak |



| | | | |
|----------------------|-----------------------|------------------------|--------------|
| Worse case mode: | GFSK | | |
| Frequency: 2483.5MHz | 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 | |
| | Above 1GHz | Peak | 1MHz | 3MHz | Peak | |
| | | Peak | 1MHz | 10Hz | Average | |

Test Procedure:

Below 1GHz test procedure as below:

- The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- 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.
- 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.
- The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- 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:

- 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).
- Test the EUT in the lowest channel ,the middle channel ,the Highest channel
- 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.
- Repeat above procedures until all frequencies measured was complete.

| Limit: | Frequency | Field strength (microvolt/meter) | Limit (dB μ V/m) | Remark | Measurement distance (m) |
|--------|-------------------|----------------------------------|----------------------|------------|--------------------------|
| | 0.009MHz-0.490MHz | 2400/F(kHz) | - | - | 300 |
| | 0.490MHz-1.705MHz | 24000/F(kHz) | - | - | 30 |
| | 1.705MHz-30MHz | 30 | - | - | 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 |

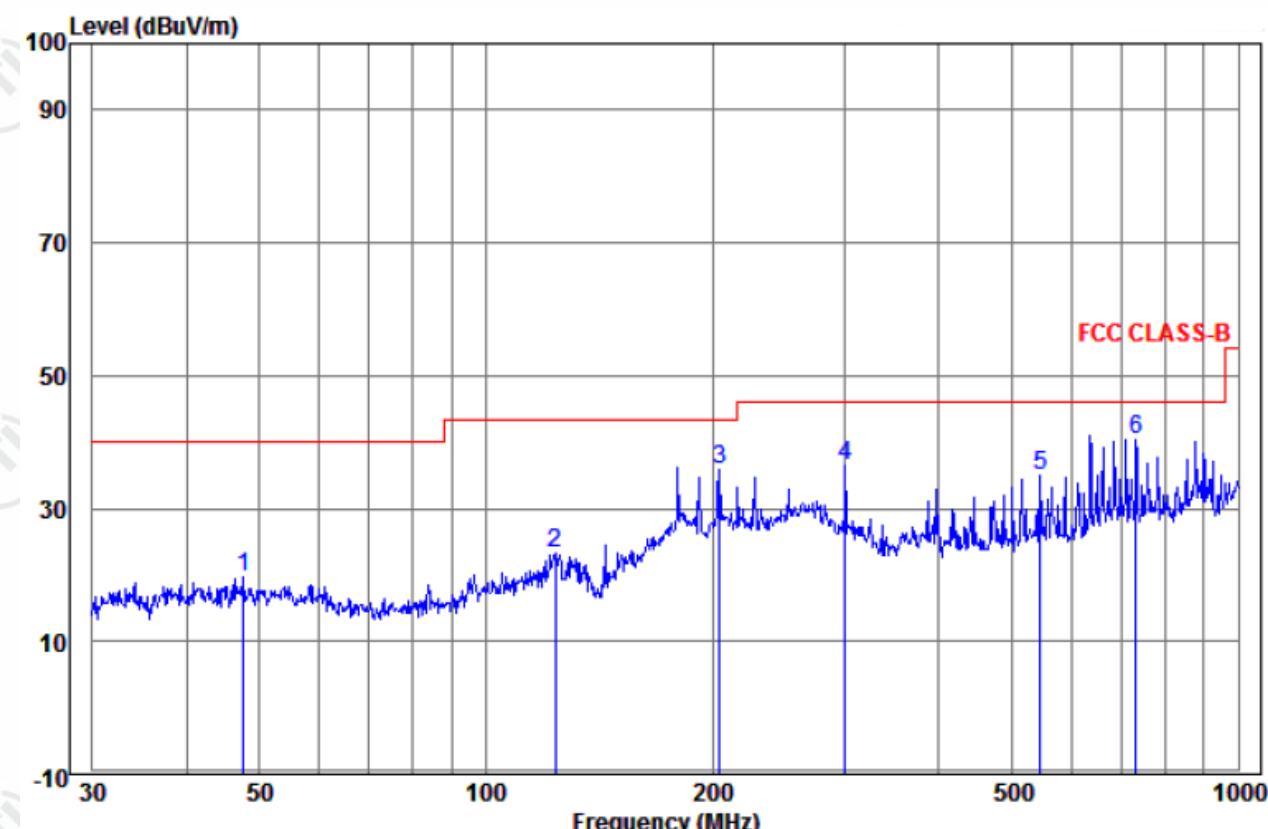
Note: 15.35(b), Unless otherwise specified, the limit on peak radio frequency emissions is 20dB above the maximum permitted average emission limit applicable to the equipment under test. This peak limit applies to the total peak emission level radiated by the device.

Report No. : EED32100208204

Page 31 of 53

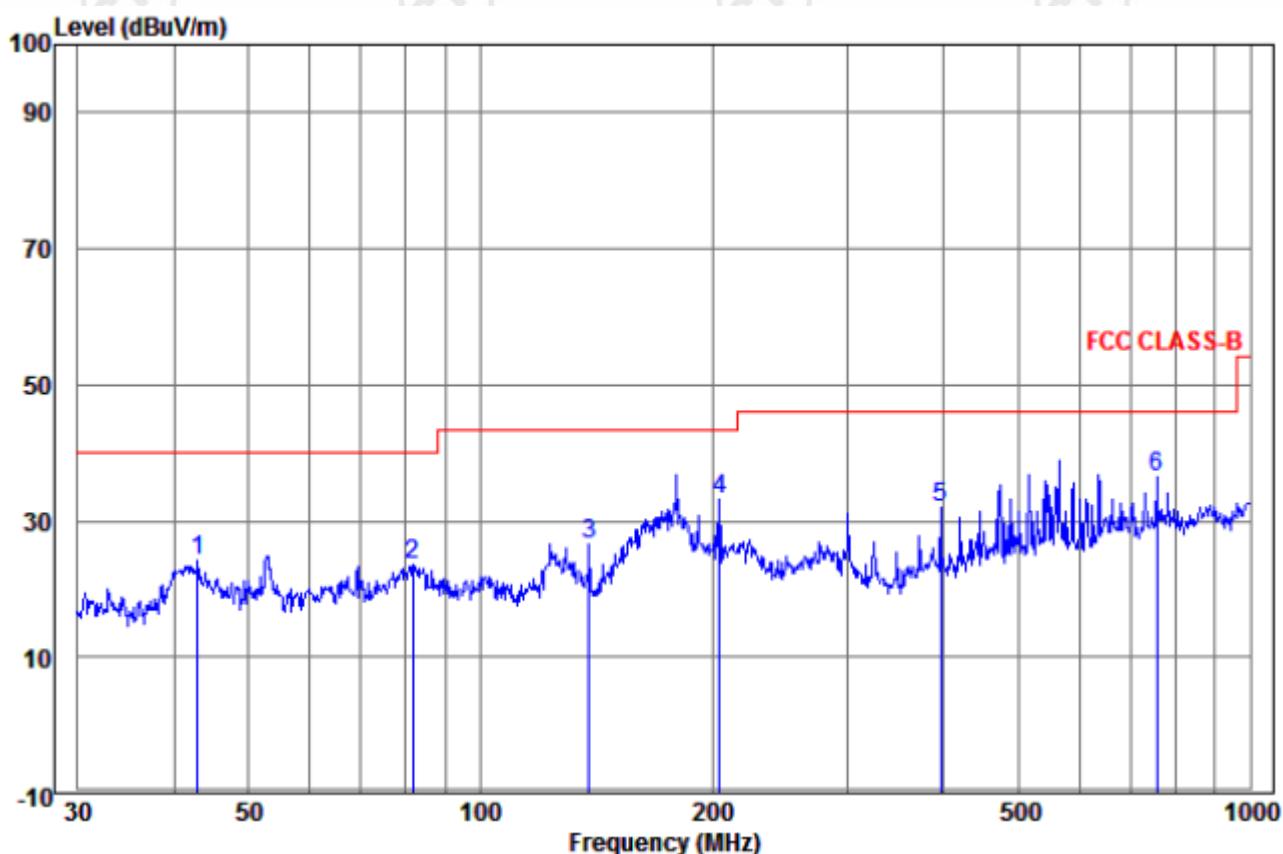
Radiated Spurious Emissions test Data: Radiated Emission below 1GHz

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



| | Ant Freq | Cable Factor | Read Loss | Limit Level | Over Line | | Over Limit Pol/Phase | Remark |
|------|----------|--------------|-----------|-------------|-----------|-------|----------------------|------------|
| | | | | | MHz | dB/m | dB | dBuV |
| 1 | 47.659 | 14.91 | 1.21 | 3.58 | 19.70 | 40.00 | -20.30 | Horizontal |
| 2 | 123.699 | 11.36 | 1.58 | 10.26 | 23.20 | 43.50 | -20.30 | Horizontal |
| 3 | 204.238 | 11.68 | 2.22 | 21.82 | 35.72 | 43.50 | -7.78 | Horizontal |
| 4 | 300.367 | 13.51 | 2.38 | 20.42 | 36.31 | 46.00 | -9.69 | Horizontal |
| 5 | 545.183 | 18.58 | 3.20 | 13.27 | 35.05 | 46.00 | -10.95 | Horizontal |
| 6 pp | 731.920 | 20.89 | 3.97 | 15.64 | 40.50 | 46.00 | -5.50 | Horizontal |

| | | |
|------------|--------------|----------|
| Test mode: | Transmitting | Vertical |
|------------|--------------|----------|



| Ant | Cable | Read | Limit | | Over | Pol/Phase | Remark |
|--------------|-------|------|-------|--------|--------|-----------|----------|
| | | | Freq | Factor | Loss | Level | Line |
| MHz | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 42.900 | 14.48 | 0.80 | 8.77 | 24.05 | 40.00 | -15.95 | Vertical |
| 2 81.783 | 9.09 | 1.57 | 13.02 | 23.68 | 40.00 | -16.32 | Vertical |
| 3 138.387 | 10.40 | 1.58 | 14.58 | 26.56 | 43.50 | -16.94 | Vertical |
| 4 204.238 | 11.68 | 2.22 | 19.40 | 33.30 | 43.50 | -10.20 | Vertical |
| 5 396.242 | 16.19 | 2.79 | 12.87 | 31.85 | 46.00 | -14.15 | Vertical |
| 6 pp 755.387 | 21.07 | 3.99 | 11.50 | 36.56 | 46.00 | -9.44 | Vertical |

Report No. : EED32I00208204

Page 33 of 53

Transmitter Emission above 1GHz

| Worse case mode: | | GFSK | | Test channel: | | Lowest | Remark: Peak | | |
|------------------|-----------------------|-----------------|------------------|-------------------------|----------------------|---------------------------|-----------------|--------|-----------------|
| Frequency (MHz) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamp Gain (dB) | Read Level (dB μ V) | Level (dB μ V/m) | Limit Line (dB μ V/m) | Over Limit (dB) | Result | Antenna Polaxis |
| 1159.096 | 30.13 | 2.47 | 35.01 | 43.52 | 41.11 | 74 | -32.89 | Pass | H |
| 1621.985 | 31.10 | 2.94 | 34.57 | 43.41 | 42.88 | 74 | -31.12 | Pass | H |
| 3498.735 | 33.17 | 5.52 | 34.55 | 42.27 | 46.41 | 74 | -27.59 | Pass | H |
| 4804.000 | 34.69 | 5.11 | 34.35 | 42.29 | 47.74 | 74 | -26.26 | Pass | H |
| 7206.000 | 36.42 | 6.66 | 34.90 | 40.37 | 48.55 | 74 | -25.45 | Pass | H |
| 9608.000 | 37.88 | 7.73 | 35.08 | 37.38 | 47.91 | 74 | -26.09 | Pass | H |
| 1153.210 | 30.11 | 2.46 | 35.01 | 45.13 | 42.69 | 74 | -31.31 | Pass | V |
| 1823.477 | 31.43 | 3.10 | 34.42 | 45.54 | 45.65 | 74 | -28.35 | Pass | V |
| 3342.042 | 33.30 | 5.55 | 34.54 | 44.02 | 48.33 | 74 | -25.67 | Pass | V |
| 4804.000 | 34.69 | 5.11 | 34.35 | 42.54 | 47.99 | 74 | -26.01 | Pass | V |
| 7206.000 | 36.42 | 6.66 | 34.90 | 39.97 | 48.15 | 74 | -25.85 | Pass | V |
| 9608.000 | 37.88 | 7.73 | 35.08 | 37.38 | 47.91 | 74 | -26.09 | Pass | V |

| Worse case mode: | | GFSK | | Test channel: | | Middle | Remark: Peak | | |
|------------------|-----------------------|-----------------|------------------|-------------------------|----------------------|---------------------------|-----------------|--------|-----------------|
| Frequency (MHz) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamp Gain (dB) | Read Level (dB μ V) | Level (dB μ V/m) | Limit Line (dB μ V/m) | Over Limit (dB) | Result | Antenna Polaxis |
| 1052.229 | 29.85 | 2.33 | 35.13 | 44.80 | 41.85 | 74 | -32.15 | Pass | H |
| 1668.044 | 31.18 | 2.98 | 34.54 | 46.38 | 46.00 | 74 | -28.00 | Pass | H |
| 3598.087 | 33.09 | 5.51 | 34.56 | 43.50 | 47.54 | 74 | -26.46 | Pass | H |
| 4880.000 | 34.85 | 5.08 | 34.33 | 42.57 | 48.17 | 74 | -25.83 | Pass | H |
| 7320.000 | 36.43 | 6.77 | 34.90 | 41.65 | 49.95 | 74 | -24.05 | Pass | H |
| 9760.000 | 38.05 | 7.60 | 35.05 | 38.56 | 49.16 | 74 | -24.84 | Pass | H |
| 1121.367 | 30.03 | 2.42 | 35.05 | 44.85 | 42.25 | 74 | -31.75 | Pass | V |
| 1651.146 | 31.15 | 2.96 | 34.55 | 44.01 | 43.57 | 74 | -30.43 | Pass | V |
| 3376.244 | 33.27 | 5.55 | 34.54 | 42.63 | 46.91 | 74 | -27.09 | Pass | V |
| 4880.000 | 34.85 | 5.08 | 34.33 | 42.01 | 47.61 | 74 | -26.39 | Pass | V |
| 7320.000 | 36.43 | 6.77 | 34.90 | 40.24 | 48.54 | 74 | -25.46 | Pass | V |
| 9760.000 | 38.05 | 7.60 | 35.05 | 38.25 | 48.85 | 74 | -25.15 | Pass | V |

| Worse case mode: | | GFSK | | Test channel: | | Highest | Remark: Peak | | |
|------------------|-----------------------|-----------------|------------------|-------------------------|----------------------|---------------------------|-----------------|--------|-----------------|
| Frequency (MHz) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamp Gain (dB) | Read Level (dB μ V) | Level (dB μ V/m) | Limit Line (dB μ V/m) | Over Limit (dB) | Result | Antenna Polaxis |
| 1017.978 | 29.75 | 2.28 | 35.18 | 51.02 | 47.87 | 74 | -26.13 | Pass | H |
| 1502.732 | 30.88 | 2.83 | 34.67 | 45.47 | 44.51 | 74 | -29.49 | Pass | H |
| 3795.660 | 32.95 | 5.47 | 34.58 | 43.15 | 46.99 | 74 | -27.01 | Pass | H |
| 4960.000 | 35.02 | 5.05 | 34.31 | 41.75 | 47.51 | 74 | -26.49 | Pass | H |
| 7440.000 | 36.45 | 6.88 | 34.90 | 40.43 | 48.86 | 74 | -25.14 | Pass | H |
| 9920.000 | 38.22 | 7.47 | 35.02 | 36.35 | 47.02 | 74 | -26.98 | Pass | H |
| 1521.981 | 30.91 | 2.85 | 34.65 | 45.01 | 44.12 | 74 | -29.88 | Pass | V |
| 3480.968 | 33.19 | 5.53 | 34.55 | 44.50 | 48.67 | 74 | -25.33 | Pass | V |
| 4960.000 | 35.02 | 5.05 | 34.31 | 41.19 | 46.95 | 74 | -27.05 | Pass | V |
| 6379.864 | 36.10 | 7.05 | 34.54 | 40.19 | 48.80 | 74 | -25.20 | Pass | V |
| 7440.000 | 36.45 | 6.88 | 34.90 | 39.27 | 47.70 | 74 | -26.30 | Pass | V |
| 9920.000 | 38.22 | 7.47 | 35.02 | 36.91 | 47.58 | 74 | -26.42 | 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:

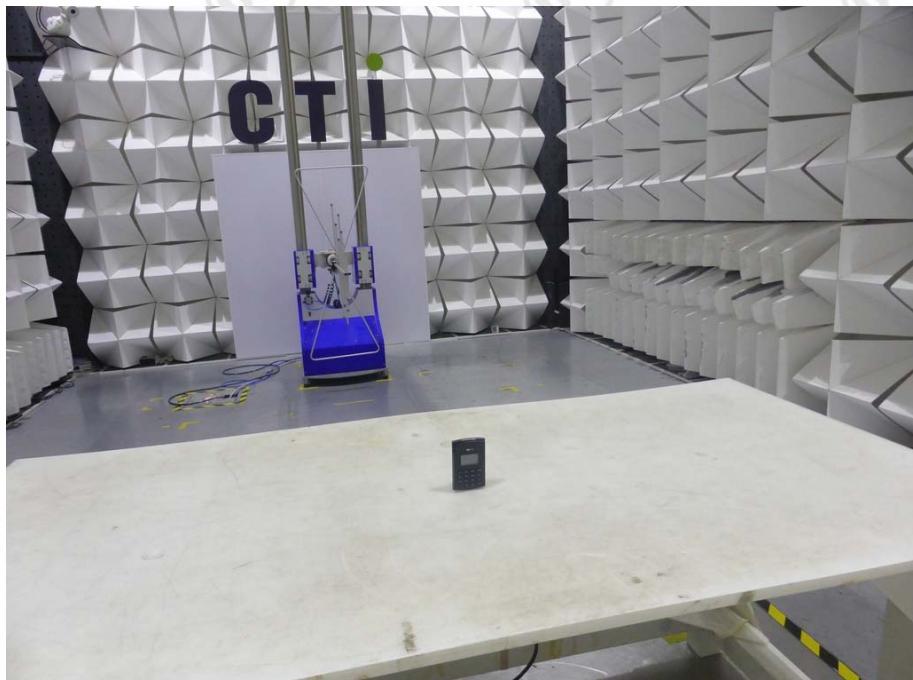
Final Test Level = Receiver Reading - Correct Factor

Correct Factor = Preamplifier Factor - Antenna Factor - Cable Factor

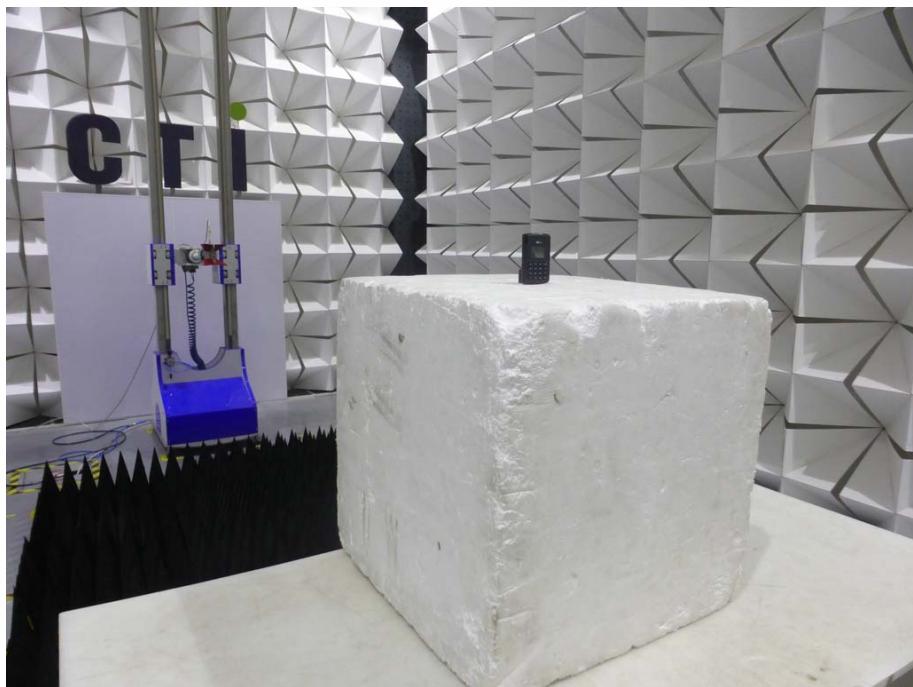
2) Scan from 9kHz to 25GHz, the disturbance above 13GHz and below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below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

PHOTOGRAPHS OF TEST SETUP

Test mode No.: WisePad 2



Radiated spurious emission Test Setup-1(Below 1GHz)



Radiated spurious emission Test Setup-2(Above 1GHz)



Conducted Emissions Test Setup

Report No. : EED32100208204

Page 37 of 53

PHOTOGRAPHS OF EUT Constructional Details

Test mode No.: WisePad 2



View of Product-1



View of Product-2



View of Product-3



View of Product-4



View of Product-5



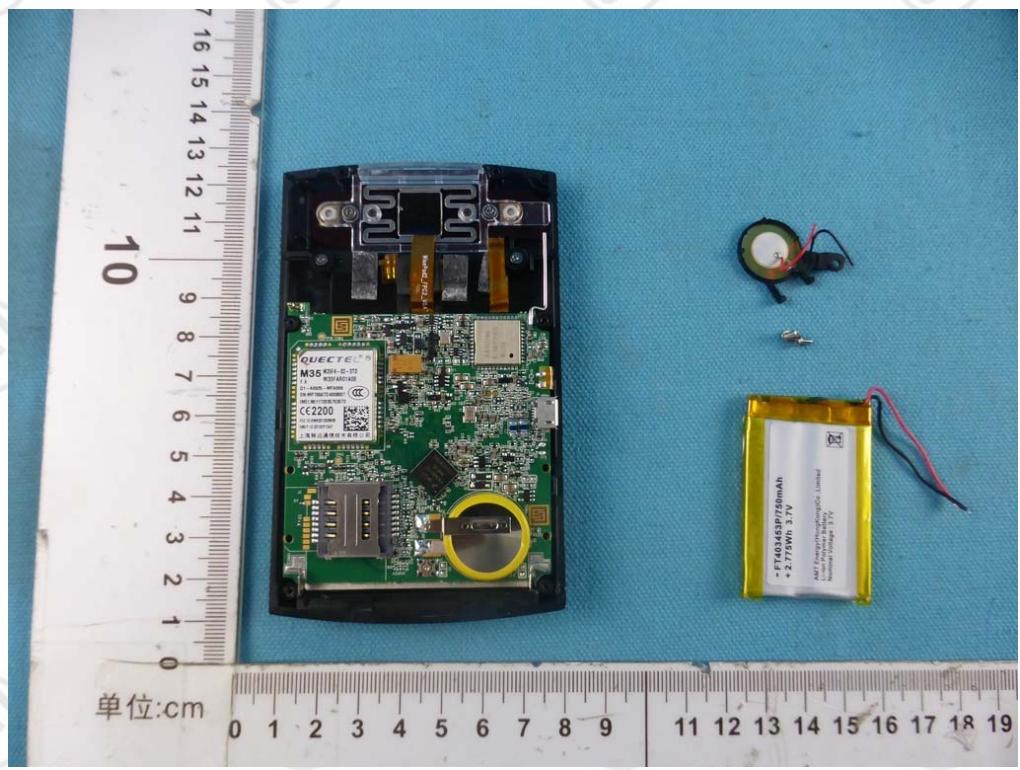
View of Product-6

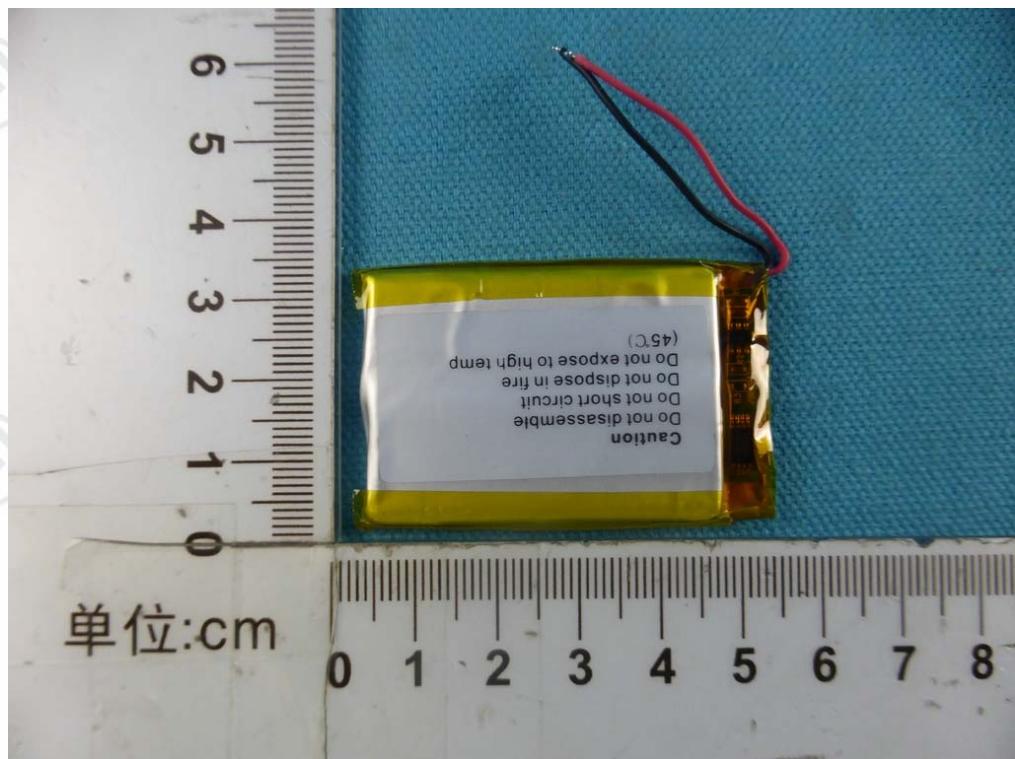


View of Product-7



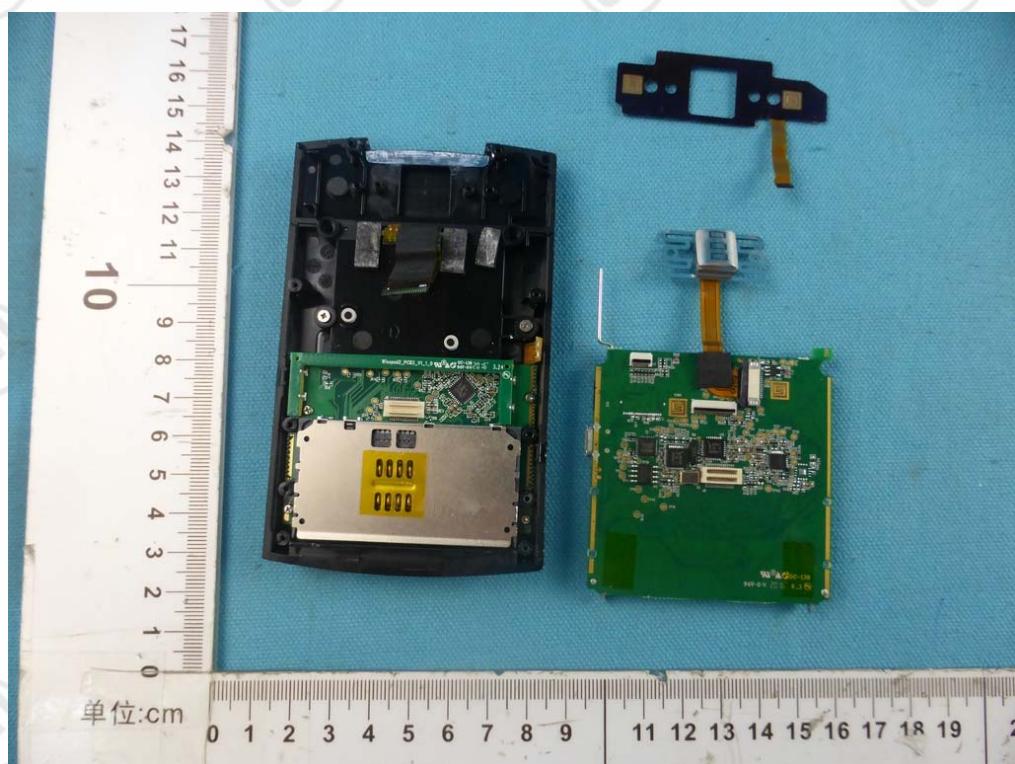
View of Product-8



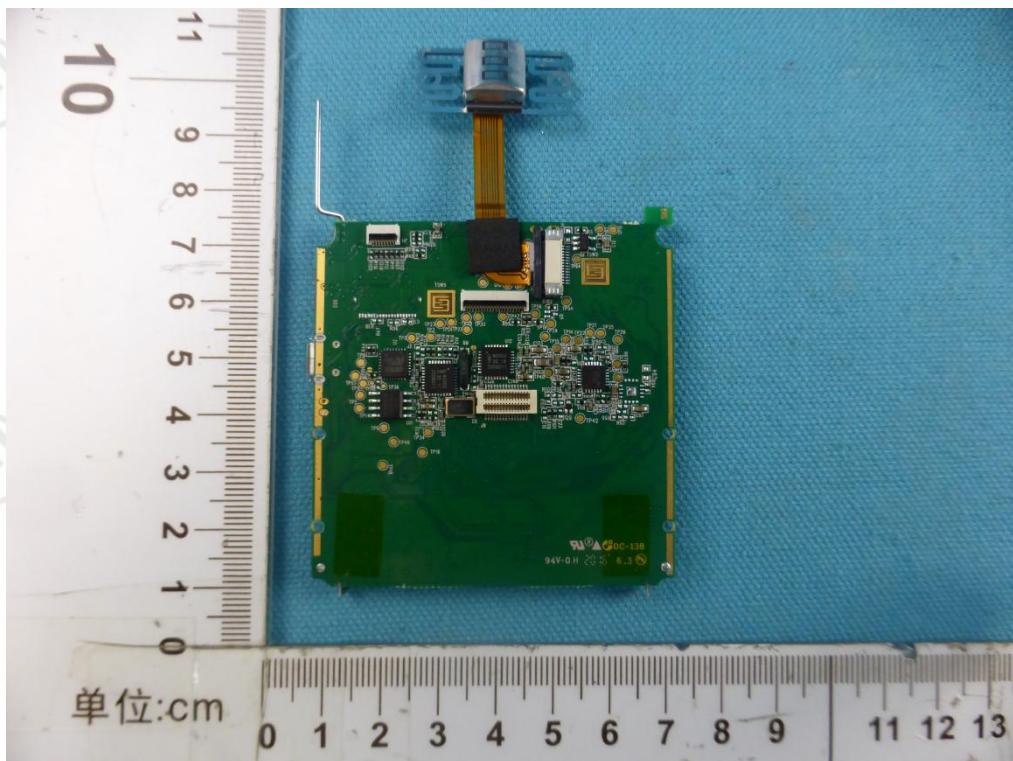




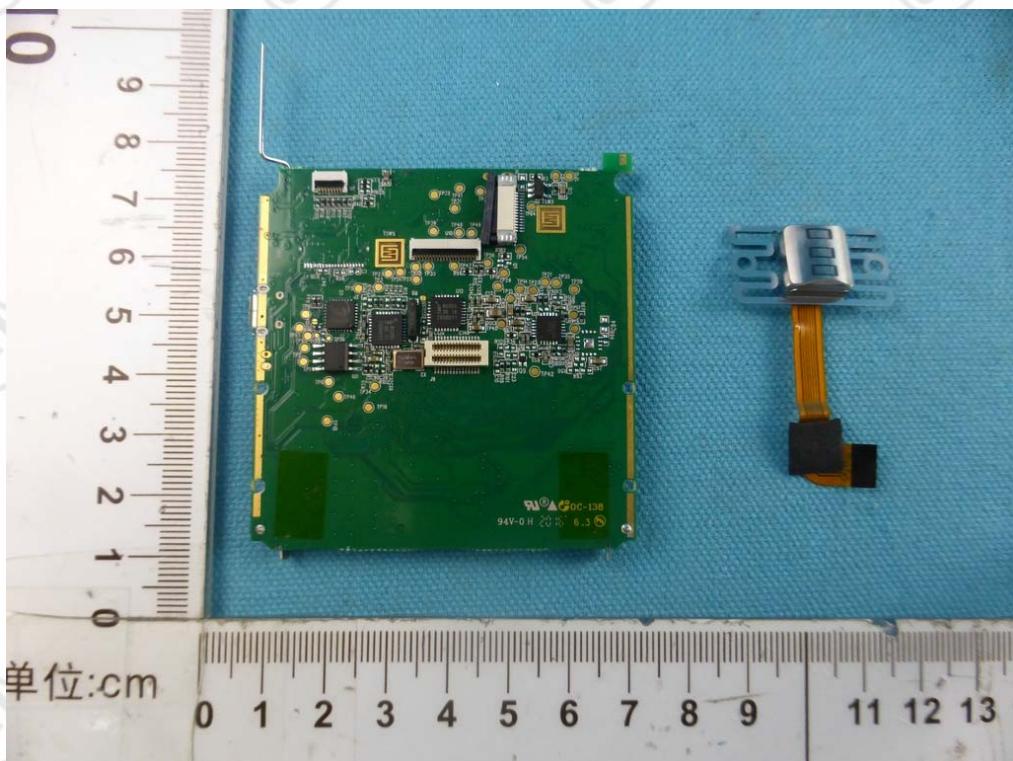
View of Product-13



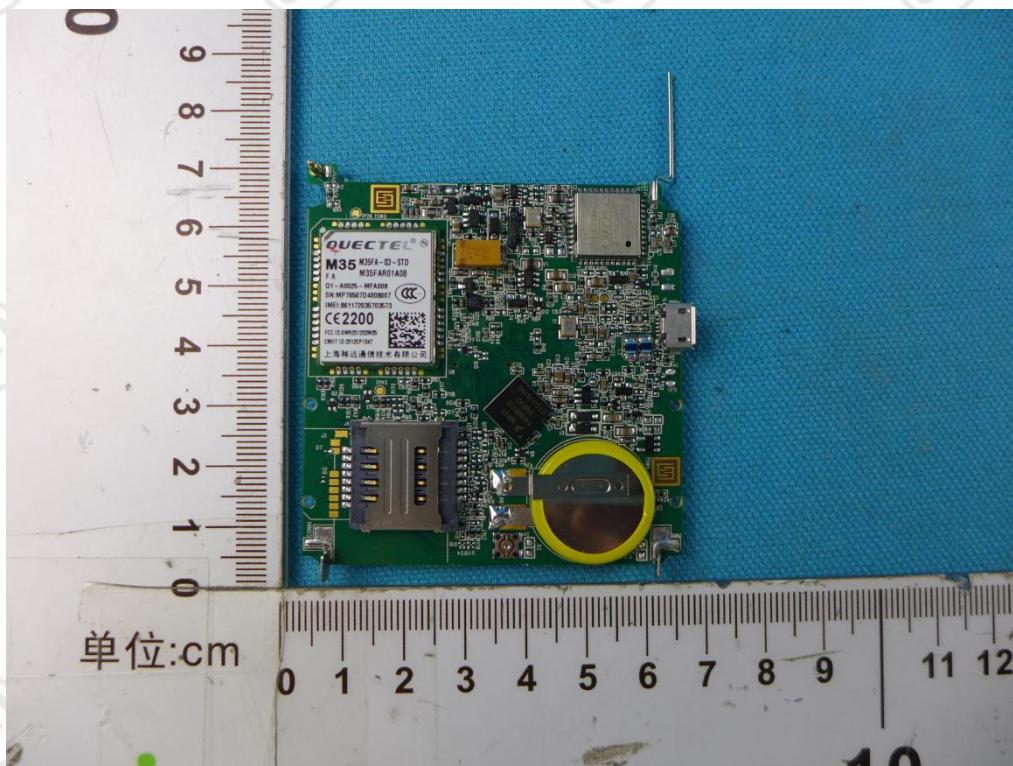
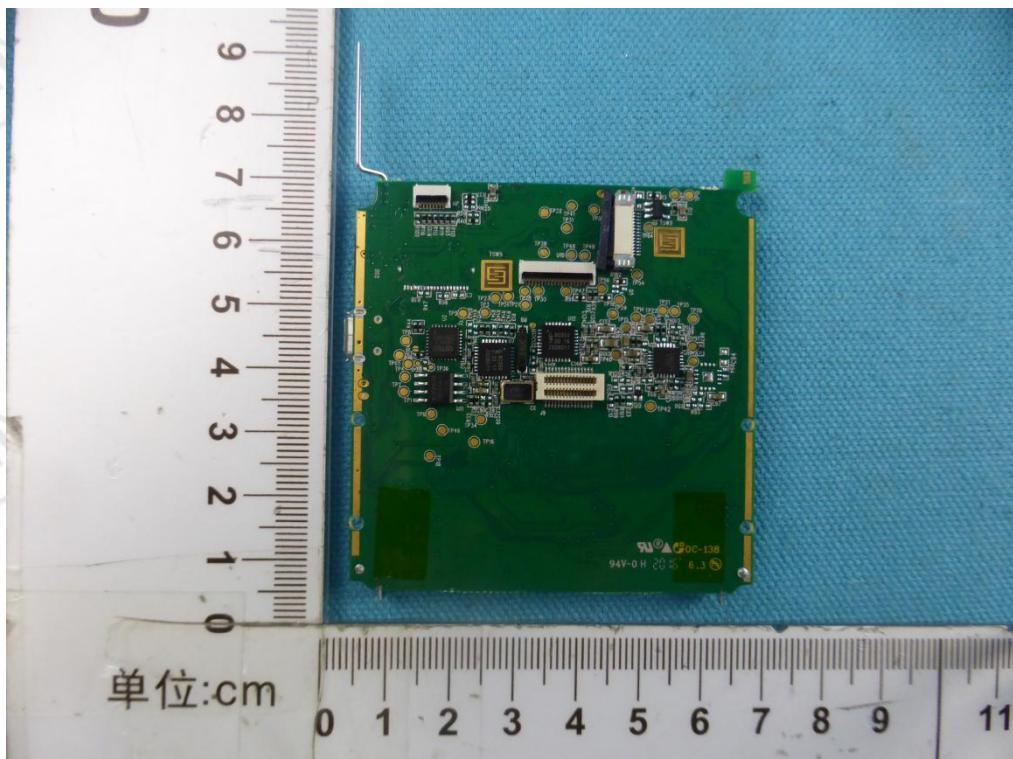
View of Product-14

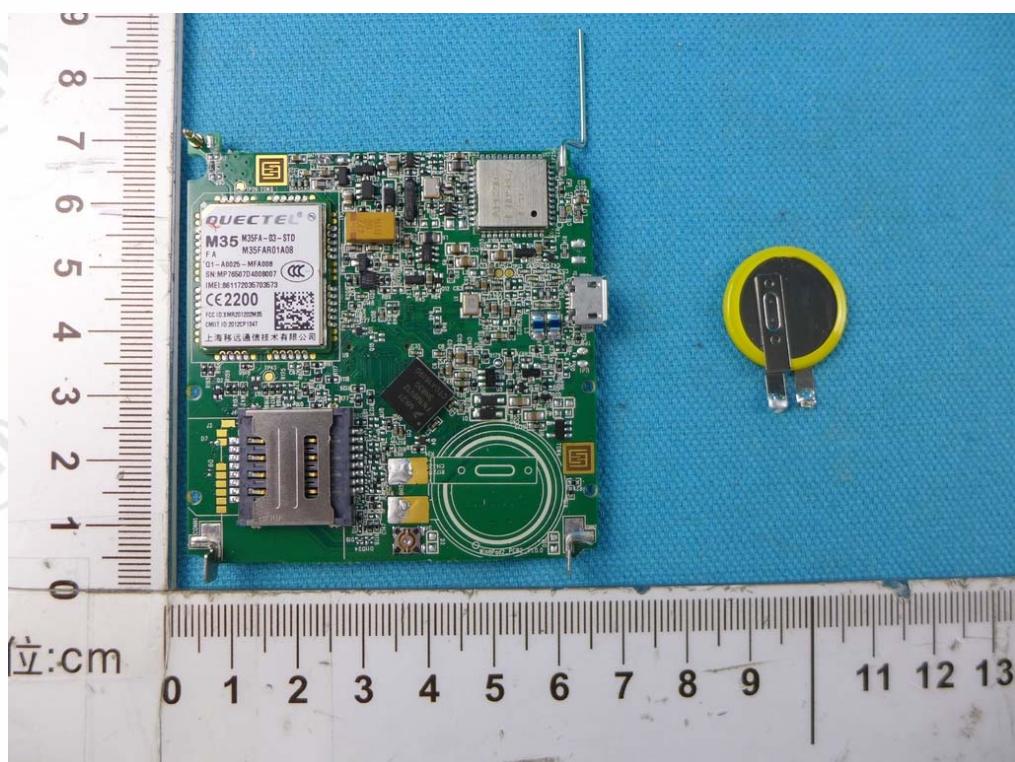


View of Product-15

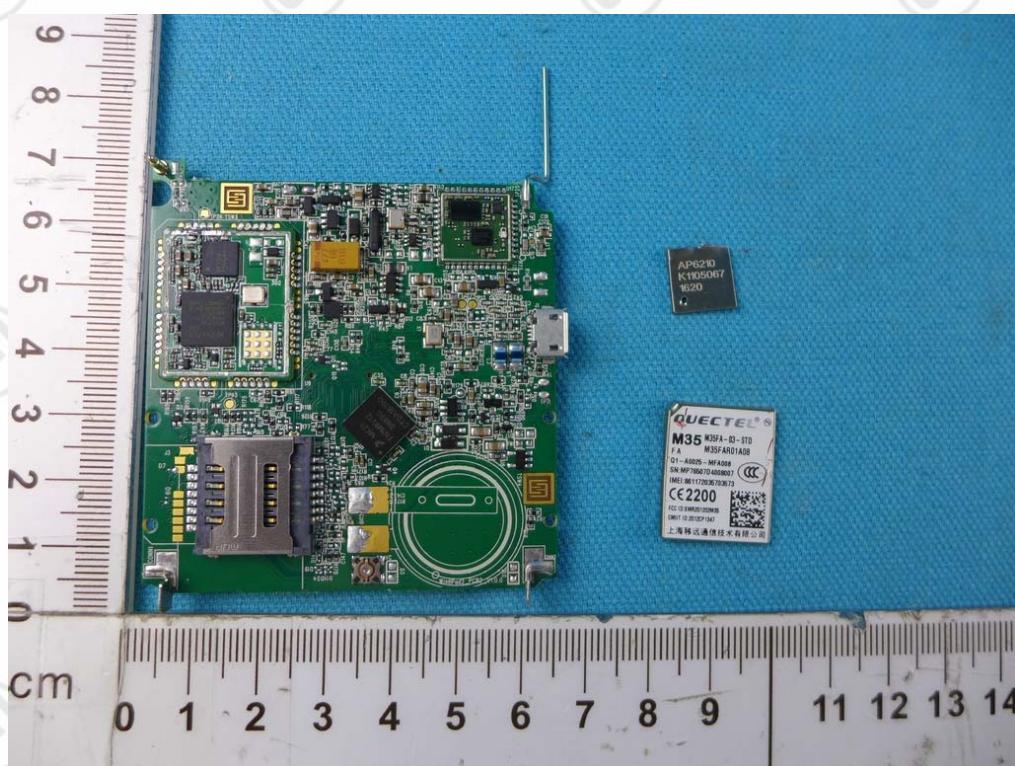


View of Product-16

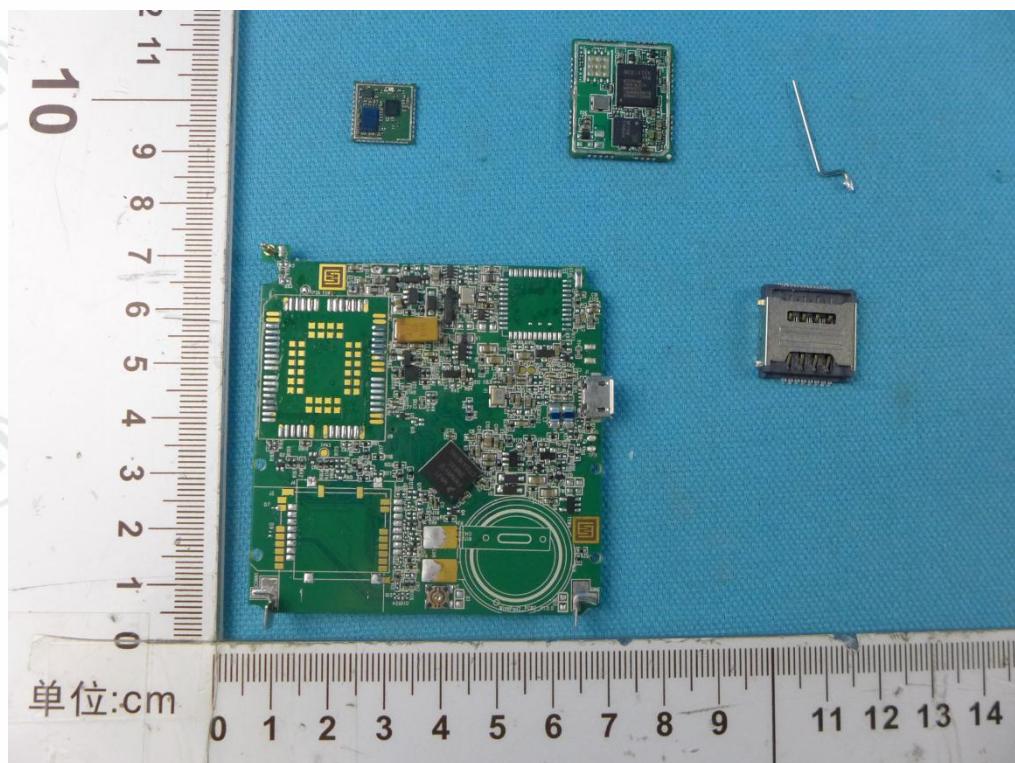




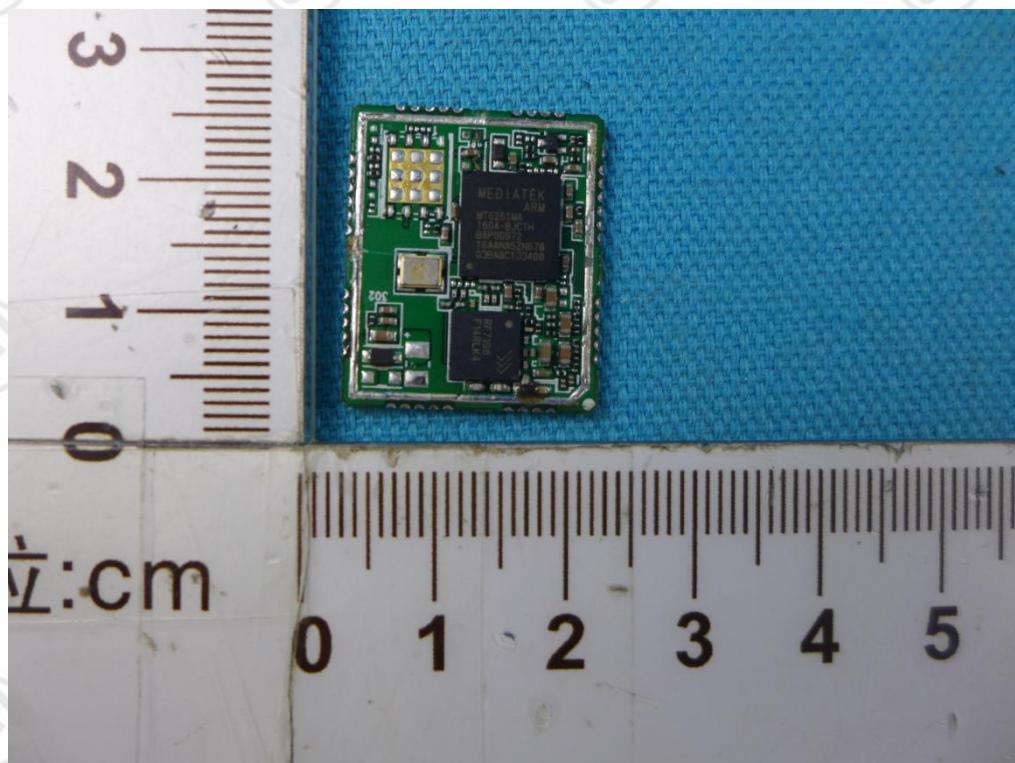
View of Product-19



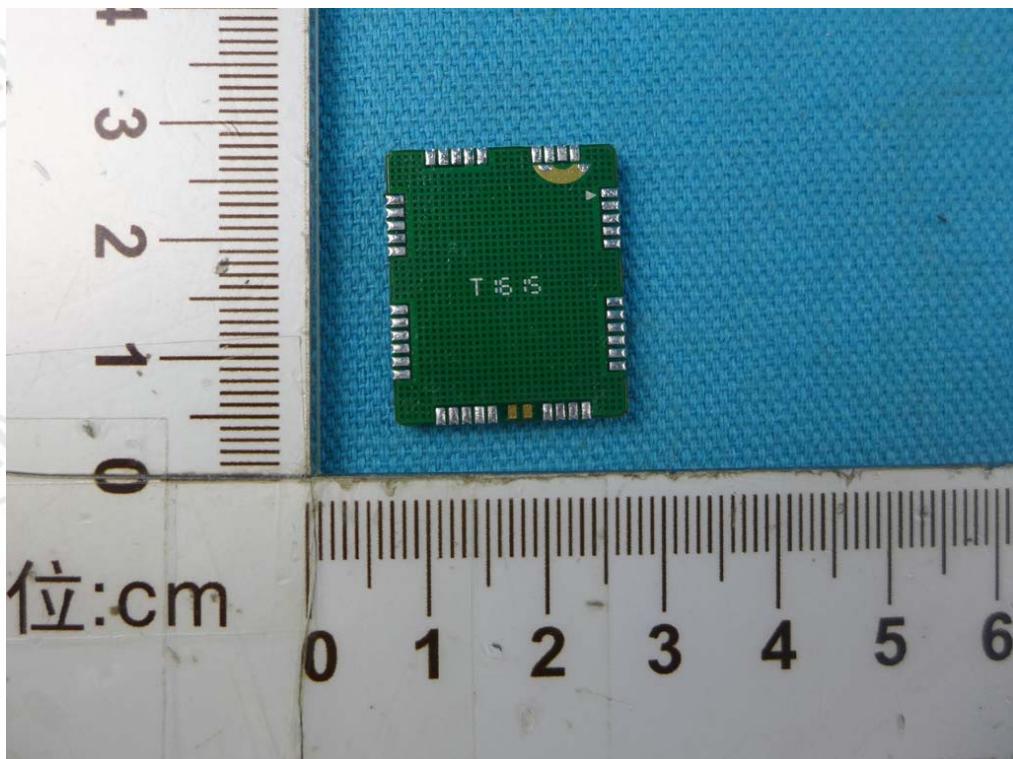
View of Product-20



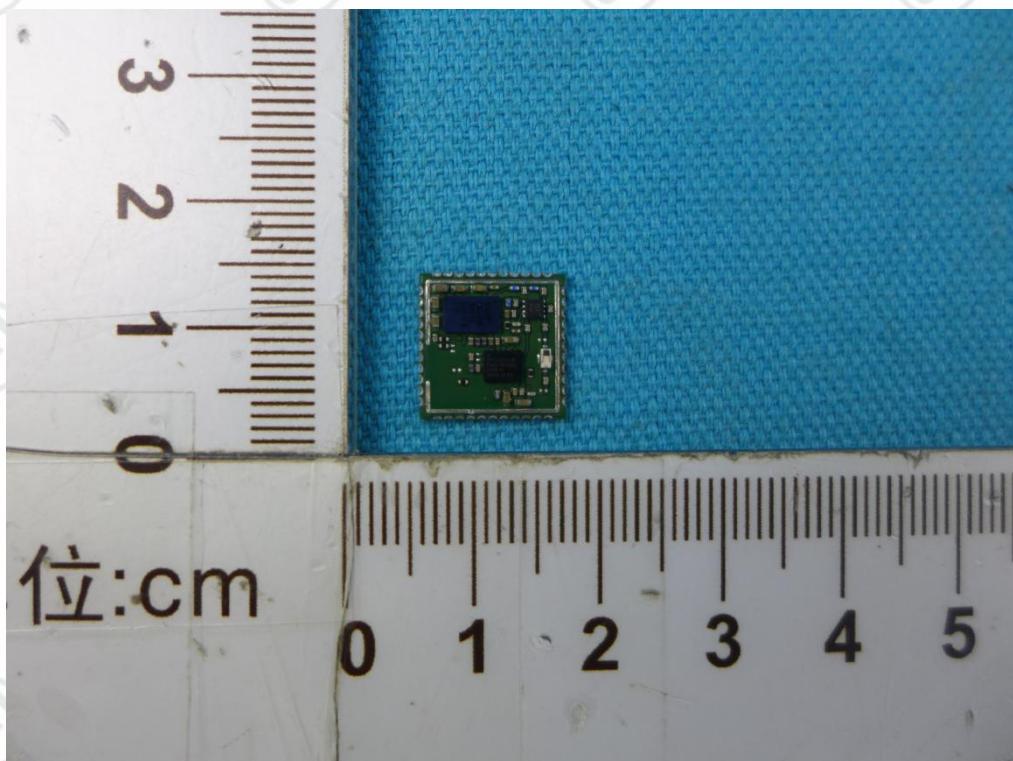
View of Product-21



View of Product-22



View of Product-23



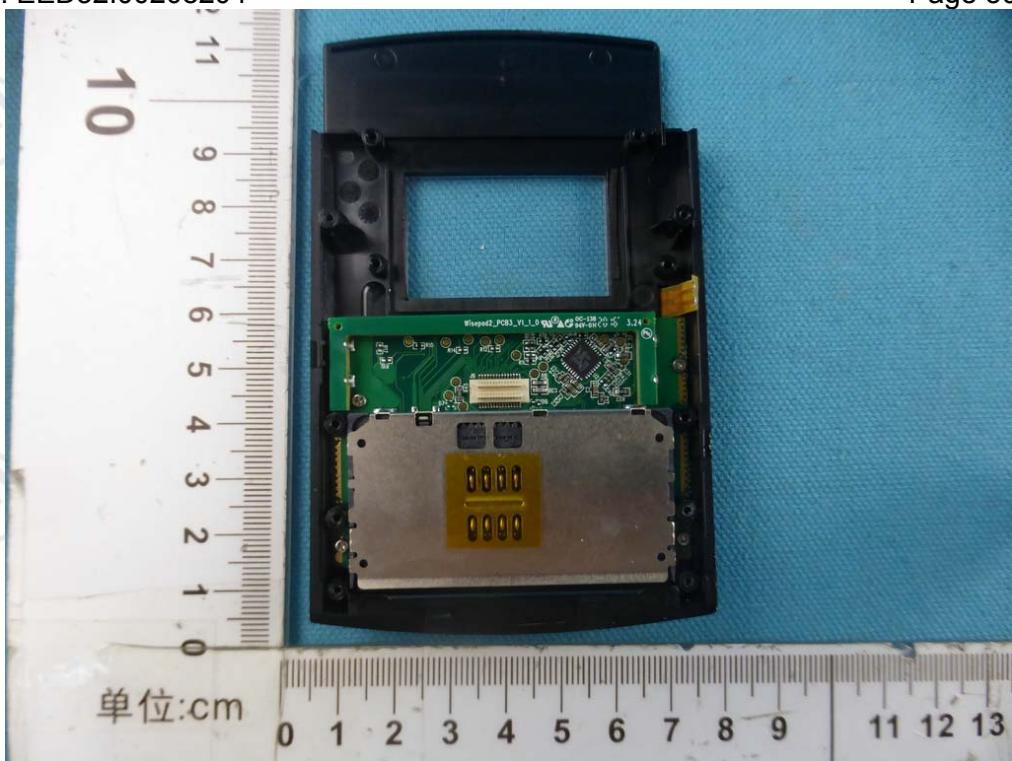
View of Product-24



View of Product-25



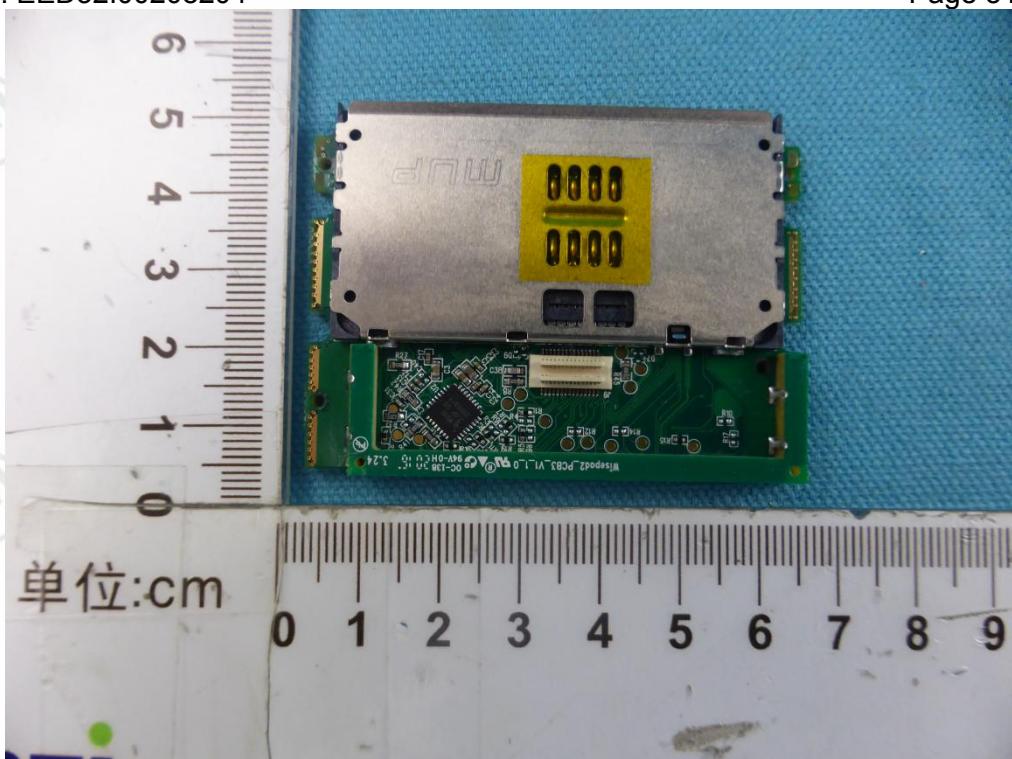
View of Product-26



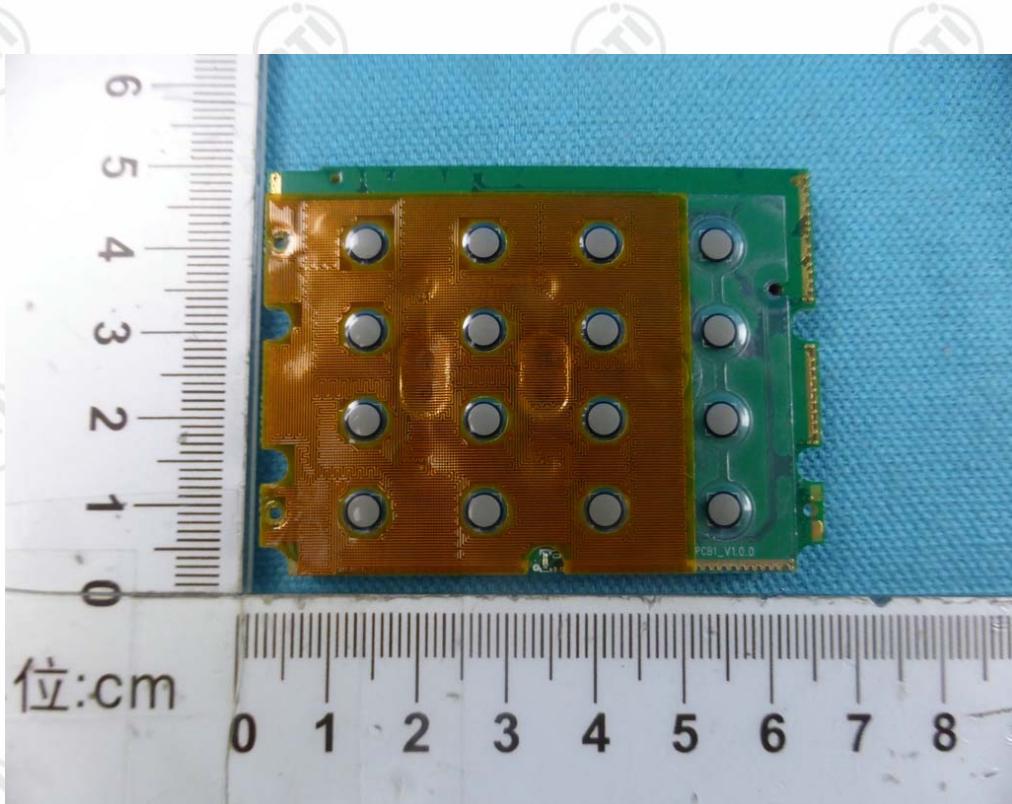
View of Product-27



View of Product-28



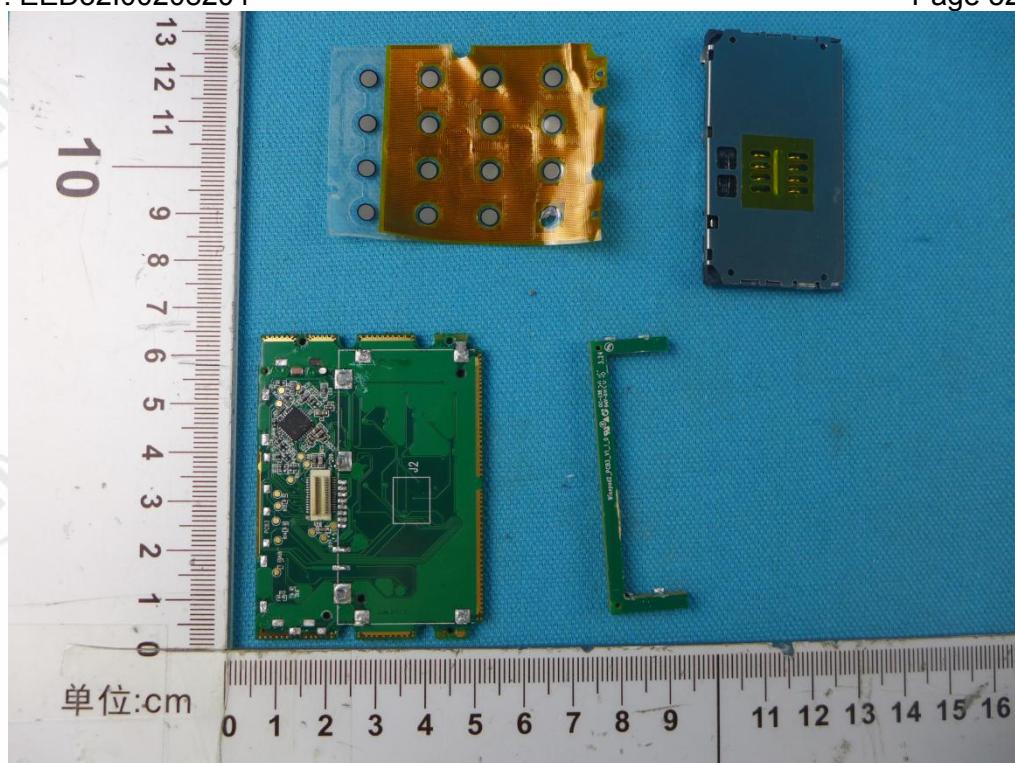
View of Product-29



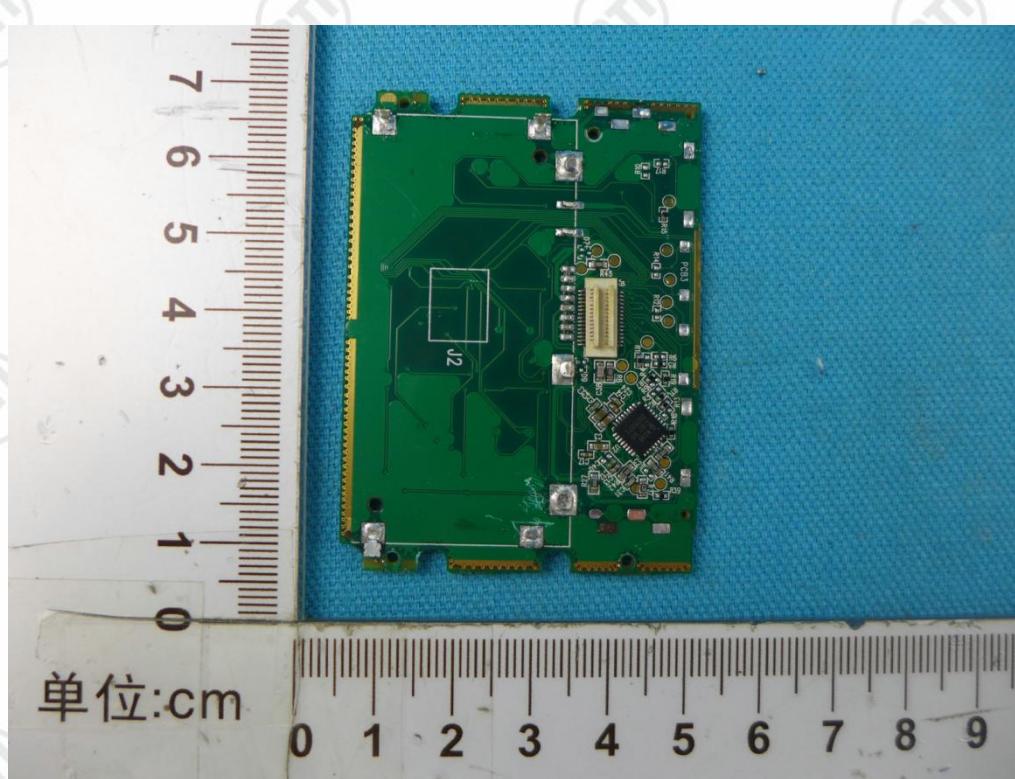
View of Product-30

Report No. : EED32100208204

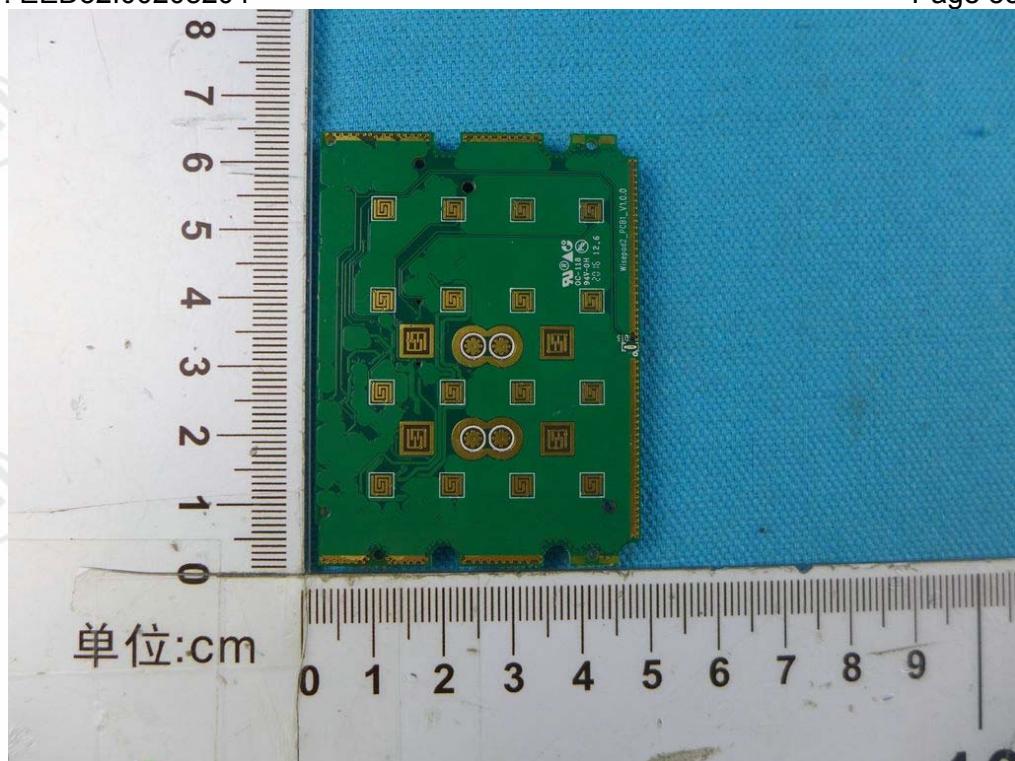
Page 52 of 53



View of Product-31



View of Product-32



View of Product-33

*** End of Report ***

The test report is effective only with both signature and specialized stamp, The result(s) shown in this report refer only to the sample(s) tested. Without written approval of CTI, this report can't be reproduced except in full.