



FCC EMI TEST REPORT

FCC ID : ZL5B35EPA
Equipment : Mobile Phone
Brand Name : CAT
Model Name : B35
Standard : FCC 47 CFR FCC Part 15 Subpart B Class B
Classification : Certification

The product was received on Dec. 10, 2019 and testing was started from Dec. 25, 2019 and completed on Jan. 17, 2020. We, Sporton International (Kunshan) Inc., would like to declare that the tested sample has been evaluated in accordance with the test procedures given in ANSI C63.4-2014 and has been in compliance with the applicable technical standards.

The report must not be used by the client to claim product certification, approval, or endorsement by A2LA or any agency of government.

The test results in this variant report apply exclusively to the tested model / sample. Without written approval of Sporton International (Kunshan) Inc., the test report shall not be reproduced except in full.

Jason Jia

Reviewed by: Jason Jia / Supervisor

James Huang

Approved by: James Huang / Manager



Sporton International (Kunshan) Inc.

No. 1098, Pengxi North Road, Kunshan Economic Development Zone Jiangsu Province 215300
People's Republic of China



Table of Contents

- 1.1. Applicant..... 5
- 1.2. Manufacturer 5
- 1.3. Product Feature of Equipment Under Test 5
- 1.4. Product Specification of Equipment Under Test 6
- 1.5. Modification of EUT 6
- 1.6. Test Location 7
- 1.7. Applicable Standards 7
- 2.1. Test Mode 8
- 2.2. Connection Diagram of Test System 9
- 2.3. Support Unit used in test configuration and system 9
- 2.4. EUT Operation Test Setup 10
- 3.1. Test of AC Conducted Emission Measurement 11
- 3.2. Test of Radiated Emission Measurement 13

Appendix A. AC Conducted Emission Test Result

Appendix B. Radiated Emission Test Result

Appendix C. Setup Photographs



History of this test report

| Report No. | Version | Description | Issued Date |
|-------------|---------|-------------------------|---------------|
| FC9D1021-02 | 01 | Initial issue of report | Mar. 02, 2020 |
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Summary of Test Result

| Report Clause | Ref Std. Clause | Test Items | Result (PASS/FAIL) | Remark |
|---------------|-----------------|-----------------------|--------------------|--|
| 3.1 | 15.107 | AC Conducted Emission | Pass | Under limit 4.54 dB at 0.156 MHz |
| 3.2 | 15.109 | Radiated Emission | Pass | Under limit 3.64 dB at 236.610 MHz for Quasi-Peak |

Note: This is a variant report which can be referred to Product Equality Declaration, and remove the second source receiver sample. All the test cases were performed on original report which can be referred to Sporton Report Number FC840307-04. Based on the original report, the test cases were verified.

Declaration of Conformity:

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

Comments and Explanations:

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.



1. General Description

1.1. Applicant

Bullitt Group

One Valpy, Valpy Street, Reading, Berkshire, England RG1 1AR

1.2. Manufacturer

Bullitt Group

One Valpy, Valpy Street, Reading, Berkshire, England RG1 1AR

1.3. Product Feature of Equipment Under Test

| Product Feature | |
|--|---|
| Equipment | Mobile Phone |
| Brand Name | CAT |
| Model Name | B35 |
| FCC ID | ZL5B35EPA |
| EUT supports Radios application | GSM/GPRS/EGPRS/WCDMA/HSPA/DC-HSDPA/ HSPA+(16QAM uplink is not supported)/LTE WLAN 2.4GHz 802.11b/g/n HT20/HT40 Bluetooth BR/EDR/LE GNSS FM |
| IMEI Code | 357491092413087 |
| HW Version | MP_NZ |
| SW Version | LTE_0208120.0_B35_53 |
| EUT Stage | Identical Prototype |

Remark:

1. The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.
2. There are two types of EUT: Sample 1 is dual SIM and Sample 2 is single SIM. According to the difference, we choose sample 1 to full test.

1.4. Product Specification of Equipment Under Test

| Standards-related Product Specification | |
|---|---|
| Tx Frequency | GSM850: 824.2 MHz ~ 848.8 MHz GSM1900: 1850.2 MHz ~ 1909.8 MHz WCDMA Band V: 826.4 MHz ~ 846.6 MHz WCDMA Band II: 1852.4 MHz ~ 1907.6 MHz LTE Band 7 : 2502.5 MHz ~ 2567.5 MHz 802.11b/g/n: 2412 MHz ~ 2462 MHz Bluetooth: 2402 MHz ~ 2480 MHz |
| Rx Frequency | GSM850: 869.2 MHz ~ 893.8 MHz GSM1900: 1930.2 MHz ~ 1989.8 MHz WCDMA Band V: 871.4 MHz ~ 891.6 MHz WCDMA Band II: 1932.4 MHz ~ 1987.6 MHz LTE Band 7 : 2622.5 MHz ~ 2687.5 MHz 802.11b/g/n: 2412 MHz ~ 2462 MHz Bluetooth: 2402 MHz ~ 2480 MHz GNSS : 1559 MHz ~ 1610 MHz FM: 88 MHz - 108 MHz |
| Antenna Type | WWAN : PIFA Antenna WLAN : PIFA Antenna Bluetooth : PIFA Antenna GNSS: PIFA Antenna FM : External Headset Antenna |
| Type of Modulation | GSM: GMSK GPRS: GMSK EDGE(MCS 0-4): GMSK / (MCS 5-9): 8PSK WCDMA : BPSK (Uplink) HSDPA/DC-HSDPA : QPSK (Uplink) HSUPA : QPSK (Uplink) HSPA+ : 16QAM(uplink is not supported) DC-HSDPA : 64QAM LTE: QPSK / 16QAM 802.11b : DSSS (DBPSK / DQPSK / CCK) 802.11g/n : OFDM (BPSK / QPSK / 16QAM / 64QAM) Bluetooth LE : GFSK Bluetooth (1Mbps) : GFSK Bluetooth (2Mbps) : $\pi/4$ -DQPSK Bluetooth (3Mbps) : 8-DPSK GNSS : BPSK FM |

1.5. Modification of EUT

No modifications are made to the EUT during all test items.



1.6. Test Location

| | | |
|---------------------------|--|-----------|
| Test Site | Sporton International (Kunshan) Inc. | |
| Test Site Location | No. 1098, Pengxi North Road, Kunshan Economic Development Zone Jiangsu Province 215300 People's Republic of China TEL : +86-512-57900158 FAX : +86-512-57900958 | |
| Test Site No. | Sporton Site No. | |
| | CO01-KS | 03CH06-KS |

FCC designation No.: CN1257

FCC Test Site Registration No.: 314309

1.7. Applicable Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- ♦ FCC 47 CFR FCC Part 15 Subpart B Class B
- ♦ ANSI C63.4-2014

Remark: All test items were verified and recorded according to the standards and without any deviation during the test.



2. Test Configuration of Equipment Under Test

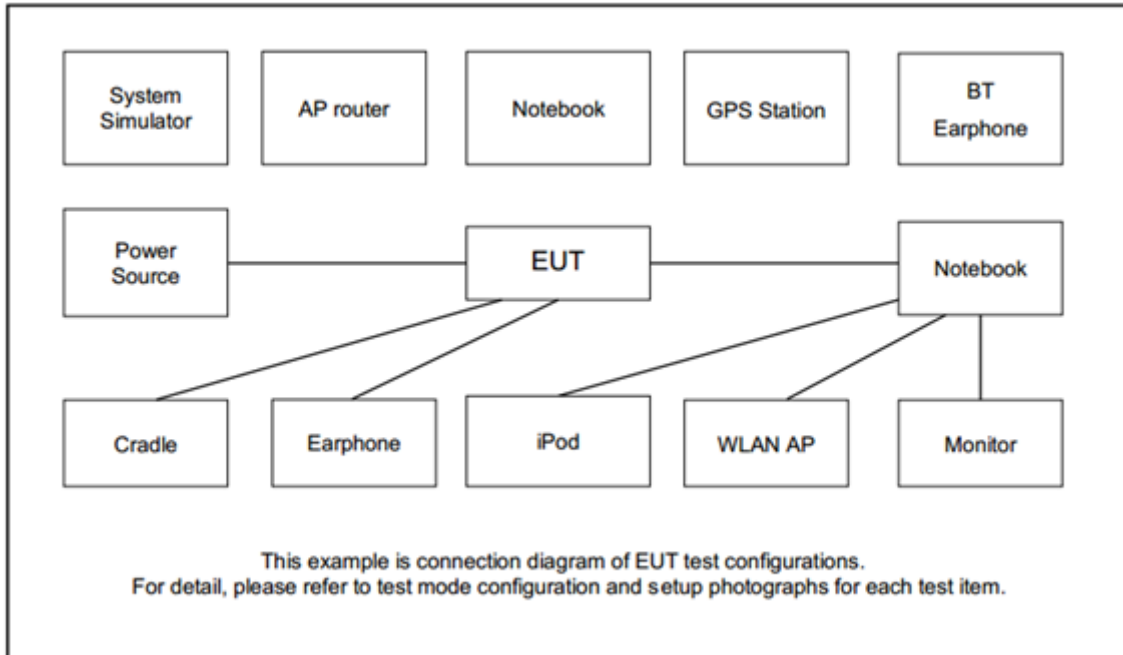
2.1. Test Mode

The EUT has been associated with peripherals pursuant to ANSI C63.4-2014 and configuration operated in a manner tended to maximize its emission characteristics in a typical application.

Frequency range investigated: conduction emission (150 kHz to 30 MHz), radiation emission (30MHz to the 5th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower).

| Test Items | Function Type |
|--|--|
| AC Conducted Emission | Mode 1 : GSM 850 Idle + Earphone 1 + Bluetooth Idle + WLAN Idle (2.4GHz) + USB Cable 1 (Charging from Adapter 1) + Camera (Rear) for Sample 1 |
| | Mode 2 : WCDMA V Idle + Earphone 1 + Bluetooth Idle + WLAN Idle (2.4GHz) + USB Cable 1 (Charging from Adapter 1) + MPEG4 for Sample 1 |
| | Mode 3 : WCDMA II Idle + Earphone 1 + Bluetooth Idle + WLAN Idle (2.4GHz) + USB Cable 1 (Charging from Adapter 1) + FM Rx (98MHz) for Sample 1 |
| | Mode 4 : LTE Band 7 Idle + Earphone 1 + Bluetooth Idle + WLAN Idle (2.4GHz) + GNSS Rx + USB Cable 1 (Data Link with Notebook) for Sample 1 |
| | Mode 5 : GSM 850 Idle + Earphone 2 + Bluetooth Idle + WLAN Idle (2.4GHz) + USB Cable 1 (Charging from Adapter 2) + Camera (Rear) for Sample 1 |
| | Mode 6 : GSM 850 Idle + Earphone 2 + Bluetooth Idle + WLAN Idle (2.4GHz) + USB Cable 2 (Charging from Adapter 2) + Camera (Rear) for Sample 1 |
| | Mode 7 : LTE Band 7 Idle + Earphone 1 + Bluetooth Idle + WLAN Idle (2.4GHz) + GNSS Rx + USB Cable 2 (Data Link with Notebook) for Sample 1 |
| Radiated Emissions | Mode 1 : GSM 850 Idle + Earphone 1 + Bluetooth Idle + WLAN Idle (2.4GHz) + USB Cable 1 (Charging from Adapter 1) + Camera (Rear) for Sample 1 |
| | Mode 2 : WCDMA V Idle + Earphone 1 + Bluetooth Idle + WLAN Idle (2.4GHz) + USB Cable 1 (Charging from Adapter 1) + MPEG4 for Sample 1 |
| | Mode 3 : WCDMA II Idle + Earphone 1 + Bluetooth Idle + WLAN Idle (2.4GHz) + USB Cable 1 (Charging from Adapter 1) + FM Rx (88MHz) for Sample 1 |
| | Mode 4 : LTE Band 7 Idle + Earphone 1 + Bluetooth Idle + WLAN Idle (2.4GHz) + USB Cable 1 (Data Link with Notebook) + GNSS Rx for Sample 1 |
| | Mode 5 : GSM 850 Idle + Earphone 2 + Bluetooth Idle + WLAN Idle (2.4GHz) + Adapter 2 + Camera (Rear) for Sample 1 |
| | Mode 6 : GSM 850 Idle + Earphone 1 + Bluetooth Idle + WLAN Idle (2.4GHz) + USB Cable 2 (Charging from Adapter 1) + Camera (Rear) for Sample 1 |
| | Mode 7 : LTE Band 7 Idle + Earphone 1 + Bluetooth Idle + WLAN Idle (2.4GHz) + USB Cable 2 (Data Link with Notebook) + GNSS Rx for Sample 1 |
| Remark: | |
| 1. The worst case of AC is mode 5; only the test data of this mode was reported. | |
| 2. The worst case of RE is mode 7; only the test data of this mode was reported. | |
| 3. For radiation emission after pre-scanned the cellular band between 30MHz ~ 960MHz (GSM850/WCDMA Band V); only the worst case for cellular band test data of this mode was reported. | |
| 4. Data Link with Notebook means data application transferred mode between EUT and Notebook. | |

2.2. Connection Diagram of Test System



2.3. Support Unit used in test configuration and system

| Item | Equipment | Trade Name | Model Name | FCC ID | Data Cable | Power Cord |
|------|-------------------------|------------|---------------|---------------|-----------------|--|
| 1. | System Simulator | Anritsu | MT8820C | N/A | N/A | Unshielded, 1.8 m |
| 2. | System Simulator | R&S | CMU 200 | N/A | N/A | Unshielded, 1.8 m |
| 3. | Bluetooth Earphone | Lenovo | LBH308 | N/A | N/A | N/A |
| 4. | Bluetooth Earphone | Xiaomi | LYEJ02LM | N/A | N/A | N/A |
| 5. | Notebook | Lenovo | G480 | QDS-BRCM1050I | N/A | Shielded Cable DC O/P 1.8m, Unshielded AC I/P Cable 1.8m |
| 6. | Notebook | Lenovo | V130-141KB001 | N/A | N/A | Unshielded, 1.8m |
| 7. | iPod | Apple | A1199 | FCC DoC | Shielded, 1.2 m | N/A |
| 8. | Router | D-link | DIR-655 | KA21R655B1 | N/A | Unshielded, 1.8m |
| 9. | Router | TP-Link | TL-WDR5600 | N/A | N/A | Unshielded, 1.8m |
| 10. | Vector Signal Generator | R&S | SMBV100A | 258305 | N/A | N/A |
| 11. | Signal Generator | R&S | SMBV100A | N/A | N/A | Unshielded, 1.8m |
| 12. | Hard disk | Lenovo | FH310 | Fcc DoC | Shielded, 1.2m | N/A |
| 13. | SD Card | Kingston | 8GB | N/A | N/A | N/A |
| 14. | SD Card | SanDisk | Ultra | N/A | N/A | N/A |



2.4. EUT Operation Test Setup

The EUT was in GSM or WCDMA or LTE idle mode during the testing. The EUT was synchronized with the BCCH, and had been continuous receiving mode by setting paging reorganization of the system simulator.

At the same time, the EUT was attached to the Bluetooth earphone or WLAN AP, and the following programs installed in the EUT were programmed during the test:

1. Data application is transferred between Laptop and EUT via USB cable.
2. Execute GNSS function to make the EUT receive continuous signals from GNSS station.
3. Turn on MPEG4 function.
4. Turn on camera to capture images.
5. Turn on FM receiver function to make the EUT receive continuous signals from FM station



3. Test Result

3.1. Test of AC Conducted Emission Measurement

3.1.1. Limits of AC Conducted Emission

For equipment that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the following table.

<Class B>

| Frequency of emission (MHz) | Conducted limit (dBuV) | |
|-----------------------------|------------------------|-----------|
| | Quasi-peak | Average |
| 0.15-0.5 | 66 to 56* | 56 to 46* |
| 0.5-5 | 56 | 46 |
| 5-30 | 60 | 50 |

*Decreases with the logarithm of the frequency.

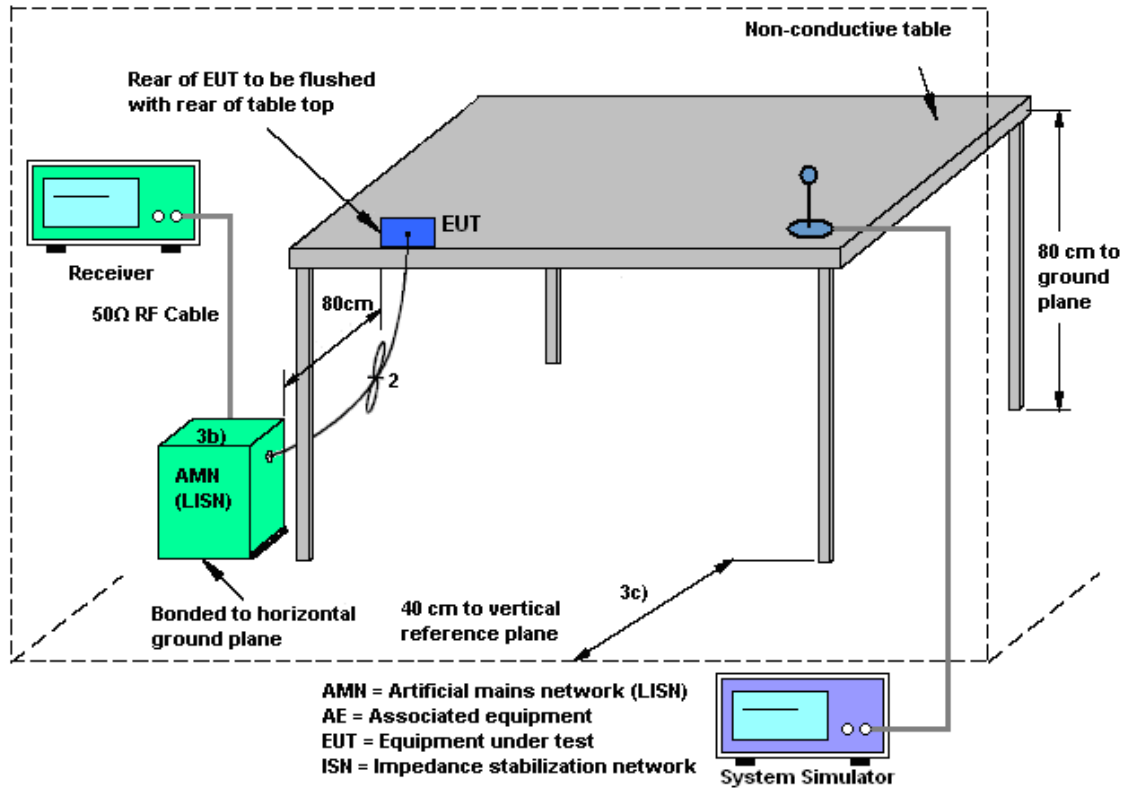
3.1.2. Measuring Instruments

Refer a test equipment and calibration data table in this test report.

3.1.3. Test Procedure

1. The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
3. All the support units are connecting to the other LISN.
4. The LISN provides 50 ohm coupling impedance for the measuring instrument.
5. The FCC states that a 50 ohm, 50 microhenry LISN should be used.
6. Both sides of AC line were checked for maximum conducted interference.
7. The frequency range from 150 kHz to 30 MHz was searched.
8. Set the test-receiver system to Peak Detect Function and specified bandwidth (IF Bandwidth = 9kHz) with Maximum Hold Mode. Then measurement is also conducted by Average Detector and Quasi-Peak Detector Function respectively.

3.1.4. Test Setup



3.1.5. Test Result of AC Conducted Emission

Please refer to Appendix A.



3.2. Test of Radiated Emission Measurement

3.2.1. Limit of Radiated Emission

The emissions from an unintentional radiator shall not exceed the field strength levels specified in the following table:

<Class B>

| Frequency (MHz) | Field Strength (microvolts/meter) | Measurement Distance (meters) |
|-----------------|-----------------------------------|-------------------------------|
| 30 – 88 | 100 | 3 |
| 88 – 216 | 150 | 3 |
| 216 - 960 | 200 | 3 |
| Above 960 | 500 | 3 |

3.2.2. Measuring Instruments

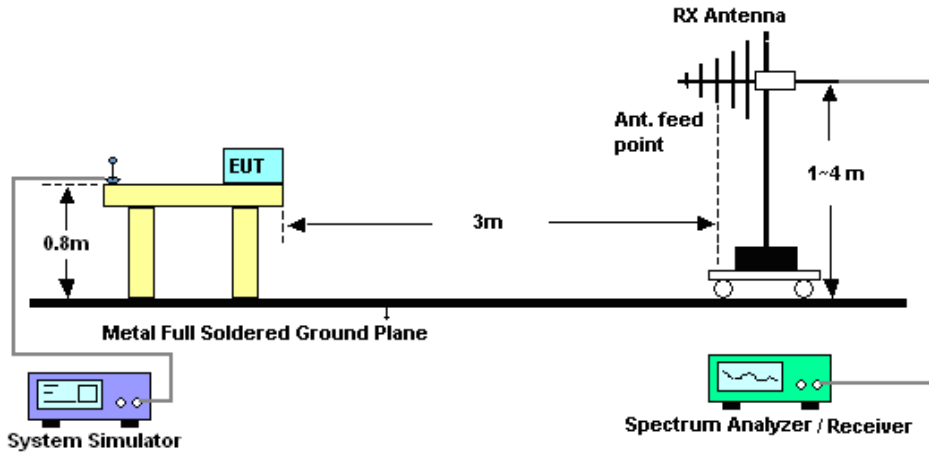
Refer a test equipment and calibration data table in this test report.

3.2.3. Test Procedures

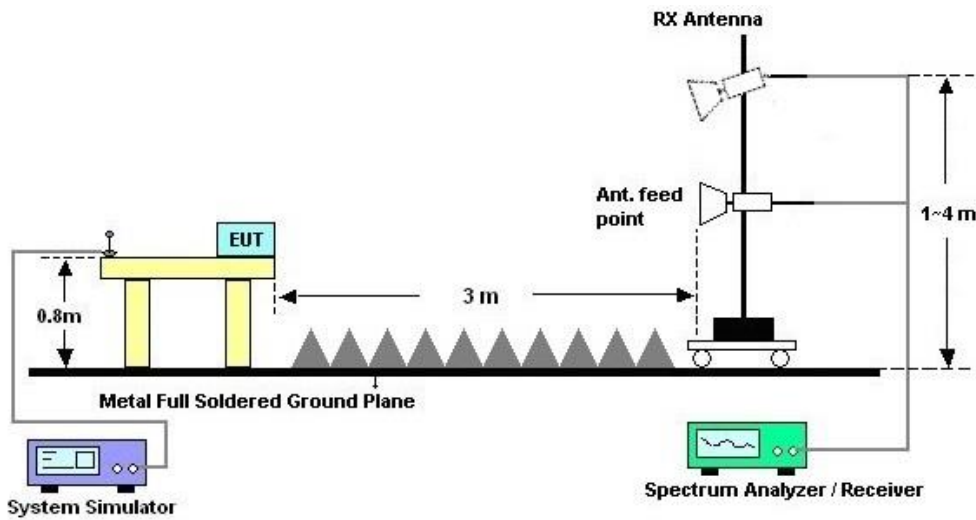
1. The EUT was placed on a turntable with 0.8 meter above ground.
2. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest radiation.
4. The antenna is a Bi-Log antenna and its height is adjusted between one to four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
5. For each suspected emission, the EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.
6. Set the test-receiver system to Peak Detect Function and specified bandwidth with Maximum Hold Mode (RBW=120kHz/VBW=300kHz for frequency below 1GHz; RBW=1MHz VBW=3MHz (Peak), RBW=1MHz/VBW=10Hz (Average) for frequency above 1GHz).
7. If the emission level of the EUT in peak mode was 3 dB lower than the limit specified, peak values of EUT will be reported. Otherwise, the emission will be repeated by using the quasi-peak method and reported.
8. Emission level (dBµV/m) = 20 log Emission level (µV/m)
9. Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level

3.2.4. Test Setup of Radiated Emission

For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



3.2.5. Test Result of Radiated Emission

Please refer to Appendix B.



4. List of Measuring Equipment

| Instrument | Manufacturer | Model No. | Serial No. | Characteristics | Calibration Date | Test Date | Due Date | Remark |
|---------------------------|-------------------|-----------|--------------|------------------------------------|------------------|---------------|---------------|-----------------------|
| EMI Test Receiver | R&S | ESC17 | 100768 | 9kHz~7GHz;Max input Power 30dBm | Apr. 16, 2019 | Jan. 17, 2020 | Apr. 15, 2020 | Conduction (CO01-KS) |
| AC Power Source | Chroma | 61602 | ABP000000811 | AC 0V~300V,45Hz~1000Hz | Oct. 18, 2019 | Jan. 17, 2020 | Oct. 17, 2020 | Conduction (CO01-KS) |
| LISN | MessTec | AN3016 | 60103 | 9kHz~30MHz,Max AC 0~240/0~63Hz/16A | Oct. 18, 2019 | Jan. 17, 2020 | Oct. 17, 2020 | Conduction (CO01-KS) |
| LISN | MessTec | AN3016 | 60105 | 9kHz~30MHz,Max AC 0~240/0~63Hz/16A | Oct. 28, 2019 | Jan. 17, 2020 | Oct. 27, 2020 | Conduction (CO01-KS) |
| EMI Test Receiver | Keysight | 9038A | MY56400023 | 3Hz~8.4GHz | Oct. 19, 2019 | Dec. 25, 2019 | Oct. 18, 2020 | Radiation (03CH06-KS) |
| EXA Spectrum | Keysight | N9010A | MY55370528 | 10Hz~44G,MAX 30dB | Oct. 10, 2019 | Dec. 25, 2019 | Oct. 09, 2020 | Radiation (03CH06-KS) |
| Bilog Antenna | TeseQ | CBL6111D | 49922 | 30MHz~1GHz | May 30, 2019 | Dec. 25, 2019 | May 29, 2020 | Radiation (03CH06-KS) |
| Double Ridge Horn Antenna | ETS-Lindgren | 3117 | 75959 | 1GHz~18GHz | Jun. 27, 2019 | Dec. 25, 2019 | Jun. 26, 2020 | Radiation (03CH06-KS) |
| Amplifier | SONOMA INSTRUMENT | 310N | 380826 | 0.009MHz~1000 MHz | Jun. 14, 2019 | Dec. 25, 2019 | Jun. 13, 2020 | Radiation (03CH06-KS) |
| Amplifier | Keysight | 83017A | MY57280106 | 500M~26.5GHz | Apr. 18, 2019 | Dec. 25, 2019 | Apr. 17, 2020 | Radiation (03CH06-KS) |



5. Uncertainty of Evaluation

Uncertainty of Conducted Emission Measurement (150 kHz ~ 30 MHz)

| | |
|---|--------|
| Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$) | 2.9 dB |
|---|--------|

Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

| | |
|---|--------|
| Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$) | 5.0 dB |
|---|--------|

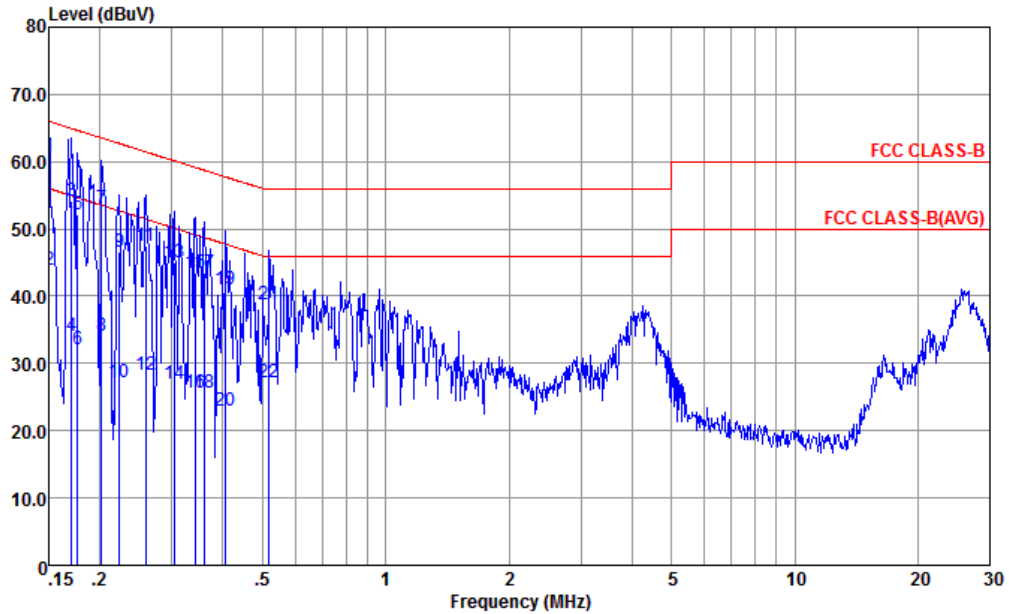
Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

| | |
|---|--------|
| Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$) | 5.0 dB |
|---|--------|



Appendix A. AC Conducted Emission Test Results

| | | | |
|-----------------|---------------|---------------------|-------------|
| Test Engineer : | Amos Zhang | Temperature : | 25.3~26.2°C |
| | | Relative Humidity : | 38~40% |
| Test Voltage : | 120Vac / 60Hz | Phase : | Line |

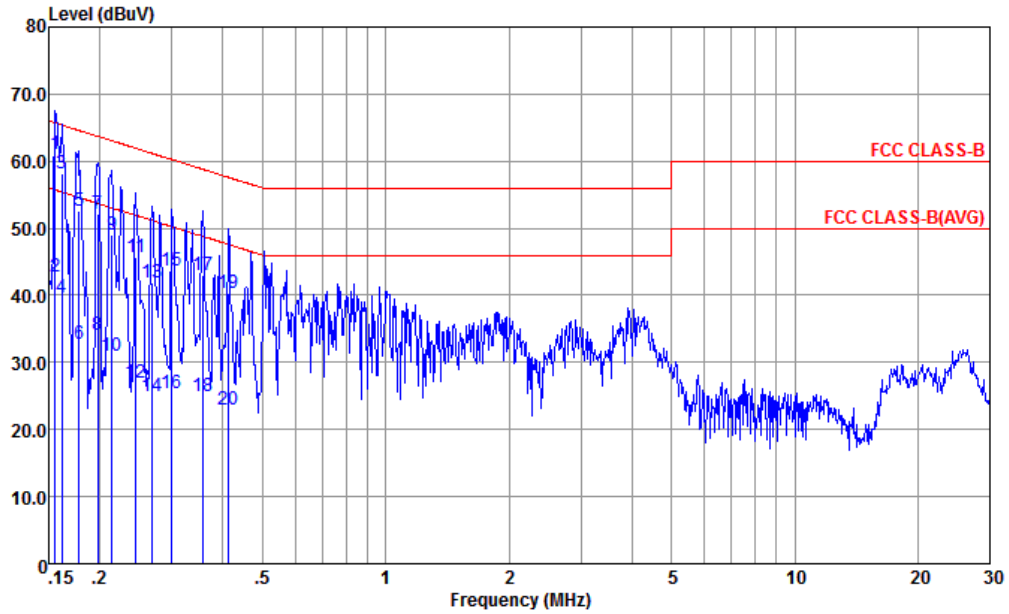


Site : CO01-KS
 Condition : FCC CLASS-B LISN-L-191028-060105 LINE
 Project : (FC) 9D1021-02
 mode : Mode 5
 : 357491092413087 #7

| | Freq | Level | Over | Limit | Read | LISN | Cable | Remark |
|-----|-------|-------|--------|-------|-------|--------|-------|---------|
| | MHz | dBuV | Limit | Line | Level | Factor | Loss | |
| | | dB | dB | dBuV | dBuV | dB | dB | |
| 1 * | 0.150 | 60.81 | -5.19 | 66.00 | 50.30 | 0.03 | 10.48 | QP |
| 2 | 0.150 | 43.81 | -12.19 | 56.00 | 33.30 | 0.03 | 10.48 | Average |
| 3 | 0.170 | 54.06 | -10.88 | 64.94 | 43.60 | 0.03 | 10.43 | QP |
| 4 | 0.170 | 34.06 | -20.88 | 54.94 | 23.60 | 0.03 | 10.43 | Average |
| 5 | 0.177 | 52.05 | -12.59 | 64.64 | 41.60 | 0.04 | 10.41 | QP |
| 6 | 0.177 | 32.05 | -22.59 | 54.64 | 21.60 | 0.04 | 10.41 | Average |
| 7 | 0.202 | 53.00 | -10.54 | 63.54 | 42.60 | 0.04 | 10.36 | QP |
| 8 | 0.202 | 34.00 | -19.54 | 53.54 | 23.60 | 0.04 | 10.36 | Average |
| 9 | 0.223 | 46.59 | -16.11 | 62.70 | 36.20 | 0.04 | 10.35 | QP |
| 10 | 0.223 | 27.29 | -26.41 | 52.70 | 16.90 | 0.04 | 10.35 | Average |
| 11 | 0.259 | 47.57 | -13.90 | 61.47 | 37.19 | 0.05 | 10.33 | QP |
| 12 | 0.259 | 28.27 | -23.20 | 51.47 | 17.89 | 0.05 | 10.33 | Average |
| 13 | 0.303 | 44.95 | -15.20 | 60.15 | 34.59 | 0.05 | 10.31 | QP |
| 14 | 0.303 | 26.95 | -23.20 | 50.15 | 16.59 | 0.05 | 10.31 | Average |
| 15 | 0.343 | 43.54 | -15.59 | 59.13 | 33.20 | 0.05 | 10.29 | QP |
| 16 | 0.343 | 25.54 | -23.59 | 49.13 | 15.20 | 0.05 | 10.29 | Average |
| 17 | 0.360 | 43.53 | -15.21 | 58.74 | 33.20 | 0.05 | 10.28 | QP |
| 18 | 0.360 | 25.53 | -23.21 | 48.74 | 15.20 | 0.05 | 10.28 | Average |
| 19 | 0.406 | 40.92 | -16.81 | 57.73 | 30.60 | 0.06 | 10.26 | QP |
| 20 | 0.406 | 22.92 | -24.81 | 47.73 | 12.60 | 0.06 | 10.26 | Average |
| 21 | 0.518 | 38.80 | -17.20 | 56.00 | 28.50 | 0.06 | 10.24 | QP |
| 22 | 0.518 | 27.20 | -18.80 | 46.00 | 16.90 | 0.06 | 10.24 | Average |



| | | | |
|-----------------|---------------|---------------------|-------------|
| Test Engineer : | Amos Zhang | Temperature : | 25.3~26.2°C |
| | | Relative Humidity : | 38~40% |
| Test Voltage : | 120Vac / 60Hz | Phase : | Neutral |



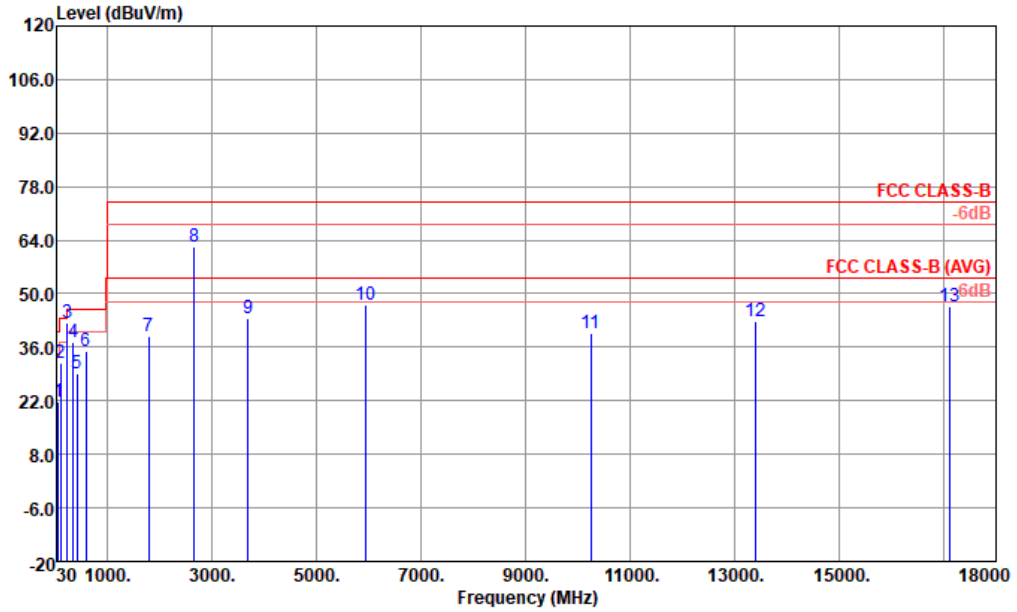
Site : CO01-KS
 Condition : FCC CLASS-B LISN-N-191028-060105 NEUTRAL
 Project : (FC) 9D1021-02
 mode : Mode 5
 : 357491092413087 #7

| | Freq | Level | Over | Limit | Read | LISN | Cable | Remark |
|-----|-------|-------|--------|-------|-------|--------|-------|---------|
| | MHz | dBuV | Limit | Line | Level | Factor | Loss | |
| | | | dB | dBuV | dBuV | dB | dB | |
| 1 * | 0.156 | 61.15 | -4.54 | 65.69 | 50.60 | 0.08 | 10.47 | QP |
| 2 | 0.156 | 42.85 | -12.84 | 55.69 | 32.30 | 0.08 | 10.47 | Average |
| 3 | 0.162 | 58.13 | -7.25 | 65.38 | 47.60 | 0.08 | 10.45 | QP |
| 4 | 0.162 | 39.73 | -15.65 | 55.38 | 29.20 | 0.08 | 10.45 | Average |
| 5 | 0.178 | 52.69 | -11.90 | 64.59 | 42.20 | 0.08 | 10.41 | QP |
| 6 | 0.178 | 32.79 | -21.80 | 54.59 | 22.30 | 0.08 | 10.41 | Average |
| 7 | 0.198 | 52.05 | -11.66 | 63.71 | 41.60 | 0.08 | 10.37 | QP |
| 8 | 0.198 | 34.05 | -19.66 | 53.71 | 23.60 | 0.08 | 10.37 | Average |
| 9 | 0.214 | 49.07 | -13.98 | 63.05 | 38.64 | 0.08 | 10.35 | QP |
| 10 | 0.214 | 31.04 | -22.01 | 53.05 | 20.61 | 0.08 | 10.35 | Average |
| 11 | 0.246 | 45.62 | -16.29 | 61.91 | 35.20 | 0.08 | 10.34 | QP |
| 12 | 0.246 | 27.02 | -24.89 | 51.91 | 16.60 | 0.08 | 10.34 | Average |
| 13 | 0.269 | 41.91 | -19.25 | 61.16 | 31.50 | 0.09 | 10.32 | QP |
| 14 | 0.269 | 24.91 | -26.25 | 51.16 | 14.50 | 0.09 | 10.32 | Average |
| 15 | 0.300 | 43.70 | -16.54 | 60.24 | 33.30 | 0.09 | 10.31 | QP |
| 16 | 0.300 | 25.30 | -24.94 | 50.24 | 14.90 | 0.09 | 10.31 | Average |
| 17 | 0.356 | 42.98 | -15.85 | 58.83 | 32.61 | 0.09 | 10.28 | QP |
| 18 | 0.356 | 24.88 | -23.95 | 48.83 | 14.51 | 0.09 | 10.28 | Average |
| 19 | 0.413 | 40.26 | -17.33 | 57.59 | 29.90 | 0.10 | 10.26 | QP |
| 20 | 0.413 | 22.96 | -24.63 | 47.59 | 12.60 | 0.10 | 10.26 | Average |



Appendix B. Radiated Emission Test Result

| | | | |
|-----------------|---|---------------------|------------|
| Test Engineer : | Jack Guo | Temperature : | 21~22°C |
| | | Relative Humidity : | 41~42% |
| Test Distance : | 3m | Polarization : | Horizontal |
| Remark : | #8 is system simulator signal which can be ignored. | | |

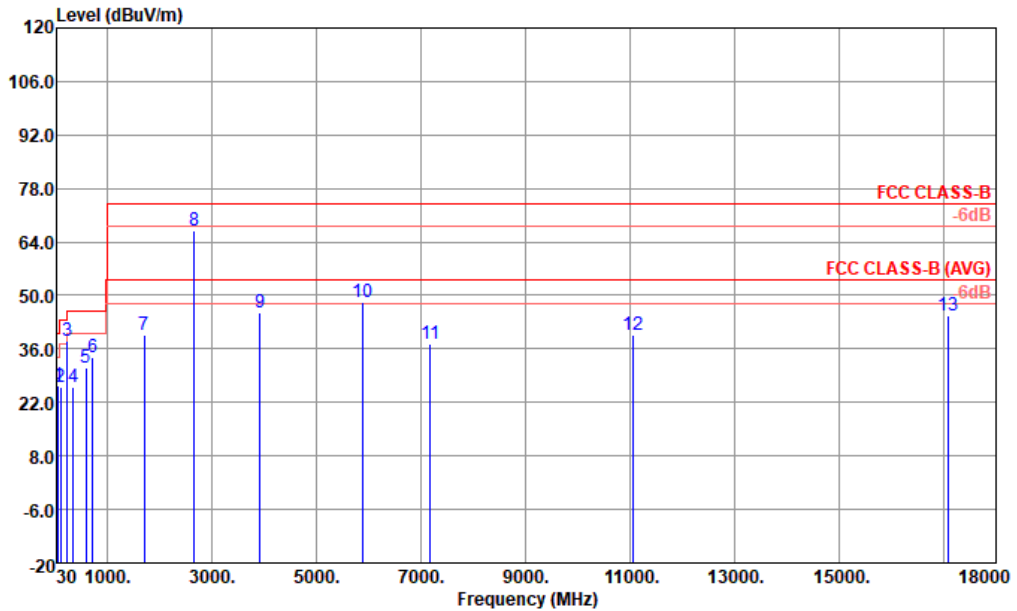


Site : 03CH06-KS
 Condition : FCC CLASS-B 3m CBL6112D SN 23188 HORIZONTAL
 Project : (EW) 9D1021-02
 Mode : 7
 IMEI : 35491092413087 #7
 Battery : 42%
 PC/NB USB Data Link to EUT (SD)

| | Freq | Level | Over | Limit | Link | ReadAntenna | Cable | Preamp | A/Pos | T/Pos | Remark |
|-----|----------|--------|--------|-------|-------|-------------|-------|--------|-------|-------|--------|
| | MHz | dBuV/m | Limit | Line | Level | Factor | Loss | Factor | cm | deg | |
| 1 | 71.71 | 21.62 | -18.38 | 40.00 | 40.42 | 12.70 | 1.42 | 32.92 | --- | --- | Peak |
| 2 | 109.54 | 31.76 | -11.74 | 43.50 | 45.47 | 17.52 | 1.70 | 32.93 | --- | --- | Peak |
| 3 ! | 236.61 | 42.36 | -3.64 | 46.00 | 55.83 | 17.08 | 2.42 | 32.97 | 100 | 240 | QP |
| 4 | 354.95 | 37.30 | -8.70 | 46.00 | 46.89 | 20.58 | 2.92 | 33.09 | --- | --- | Peak |
| 5 | 417.03 | 29.00 | -17.00 | 46.00 | 36.97 | 22.01 | 3.18 | 33.16 | --- | --- | Peak |
| 6 | 588.72 | 35.15 | -10.85 | 46.00 | 40.42 | 24.47 | 3.60 | 33.34 | --- | --- | Peak |
| 7 | 1795.00 | 39.00 | -35.00 | 74.00 | 34.05 | 30.40 | 6.37 | 31.82 | --- | --- | Peak |
| 8 | 2660.00 | 62.35 | | | 53.77 | 32.13 | 7.77 | 31.32 | --- | --- | Peak |
| 9 | 3695.00 | 43.56 | -30.44 | 74.00 | 31.97 | 33.30 | 9.15 | 30.86 | --- | --- | Peak |
| 10 | 5940.00 | 47.20 | -26.80 | 74.00 | 30.49 | 35.20 | 11.90 | 30.39 | --- | --- | Peak |
| 11 | 10248.00 | 39.72 | -34.28 | 74.00 | 17.84 | 37.60 | 14.98 | 30.70 | --- | --- | Peak |
| 12 | 13392.00 | 42.65 | -31.35 | 74.00 | 17.52 | 38.70 | 17.60 | 31.17 | --- | --- | Peak |
| 13 | 17124.00 | 46.66 | -27.34 | 74.00 | 16.22 | 41.27 | 20.67 | 31.50 | --- | --- | Peak |



| | | | |
|-----------------|---|---------------------|----------|
| Test Engineer : | Jack Guo | Temperature : | 21~22°C |
| | | Relative Humidity : | 41~42% |
| Test Distance : | 3m | Polarization : | Vertical |
| Remark : | #8 is system simulator signal which can be ignored. | | |



Site : 03CH06-KS
 Condition : FCC CLASS-B 3m CBL6112D SN 23188 VERTICAL
 Project : (EW)9D1021-02
 Mode : 7
 IMEI : 35491092413087 #7
 Battery : 42%
 : PC/NB USB Data Link to EUT(SD)

| | Freq | Level | Over | Limit | Link to | ReadAntenna | Cable | Preamp | A/Pos | T/Pos | Remark |
|----|----------|--------|--------|--------|---------|-------------|-------|--------|-------|-------|--------|
| | MHz | dBuV/m | dB | dBuV/m | Line | Level | Loss | Factor | cm | deg | |
| 1 | 64.92 | 26.42 | -13.58 | 40.00 | 45.39 | 12.60 | 1.37 | 32.94 | --- | --- | Peak |
| 2 | 107.60 | 26.06 | -17.44 | 43.50 | 39.91 | 17.40 | 1.68 | 32.93 | --- | --- | Peak |
| 3 | 236.61 | 38.14 | -7.86 | 46.00 | 51.61 | 17.08 | 2.42 | 32.97 | 100 | 360 | Peak |
| 4 | 354.95 | 26.07 | -19.93 | 46.00 | 35.66 | 20.58 | 2.92 | 33.09 | --- | --- | Peak |
| 5 | 593.57 | 31.07 | -14.93 | 46.00 | 36.21 | 24.53 | 3.67 | 33.34 | --- | --- | Peak |
| 6 | 723.55 | 33.71 | -12.29 | 46.00 | 37.60 | 25.18 | 4.13 | 33.20 | --- | --- | Peak |
| 7 | 1710.00 | 39.73 | -34.27 | 74.00 | 35.77 | 29.63 | 6.23 | 31.90 | --- | --- | Peak |
| 8 | 2660.00 | 66.91 | | | 58.33 | 32.13 | 7.77 | 31.32 | --- | --- | Peak |
| 9 | 3920.00 | 45.50 | -28.50 | 74.00 | 33.32 | 33.50 | 9.41 | 30.73 | --- | --- | Peak |
| 10 | 5885.00 | 48.39 | -25.61 | 74.00 | 31.84 | 35.07 | 11.84 | 30.36 | --- | --- | Peak |
| 11 | 7176.00 | 37.41 | -36.59 | 74.00 | 18.38 | 36.33 | 13.67 | 30.97 | --- | --- | Peak |
| 12 | 11052.00 | 39.50 | -34.50 | 74.00 | 16.98 | 37.90 | 15.62 | 31.00 | --- | --- | Peak |
| 13 | 17100.00 | 44.91 | -29.09 | 74.00 | 14.46 | 41.30 | 20.66 | 31.51 | --- | --- | Peak |