



FCC EMI TEST REPORT

FCC ID : APYHRO00289
Equipment : Smart Phone
Brand Name : SHARP
Applicant : SHARP CORPORATION, Mobile Communication B.U.
2-13-1, Hachihonmatsu-lida, Higashi-hiroshima-shi,
Hiroshima 739-0192, Japan
Manufacturer : SHARP CORPORATION
1 Takumi-cho, Sakai-ku, Sakai-shi, Osaka 590-8522,
Japan
Standard : FCC 47 CFR FCC Part 15 Subpart B Class B

The product was received on Aug. 12, 2020 and testing was started from Aug. 18, 2020 and completed on Oct. 03, 2020. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, 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 test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.

Louis Wu

Approved by: Louis Wu

SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory

No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)



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History of this test report

| Report No. | Version | Description | Issued Date |
|------------|---------|-------------------------|---------------|
| FC070611 | 01 | Initial issue of report | Oct. 07, 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 10.67 dB at 0.164 MHz |
| 3.2 | 15.109 | Radiated Emission | Pass | Under limit 7.80 dB at 203.340 MHz for Quasi-Peak |

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.

Reviewed by: Dara Chiu

Report Producer: Tina Chuang

1. General Description

1.1. Product Feature of Equipment Under Test

GSM/WCDMA/LTE, Bluetooth, Wi-Fi 2.4GHz 802.11b/g/n, Wi-Fi 5GHz 802.11a/n/ac, FM Receiver, NFC, and GNSS.

| Product specification subjective to this standard | |
|---|--|
| Sample 1 | 1 st vendor parts |
| Sample 2 | 2 nd vendor parts |
| Antenna Type | WWAN: ILA & IFA Antenna WLAN: IFA Antenna Bluetooth: IFA Antenna GPS / Glonass / BDS / Galileo: ILA Antenna NFC: Loop Antenna FM Receiver: Monopole Antenna |

1.2. Modification of EUT

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

1.3. Test Location

| | | |
|--------------------|---|-----------|
| Test Site | SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory | |
| Test Site Location | No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.) TEL: +886-3-327-3456 FAX: +886-3-328-4978 | |
| Test Site No. | Sporton Site No. | |
| | CO05-HY | 03CH06-HY |

FCC designation No.: TW1093

1.4. 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

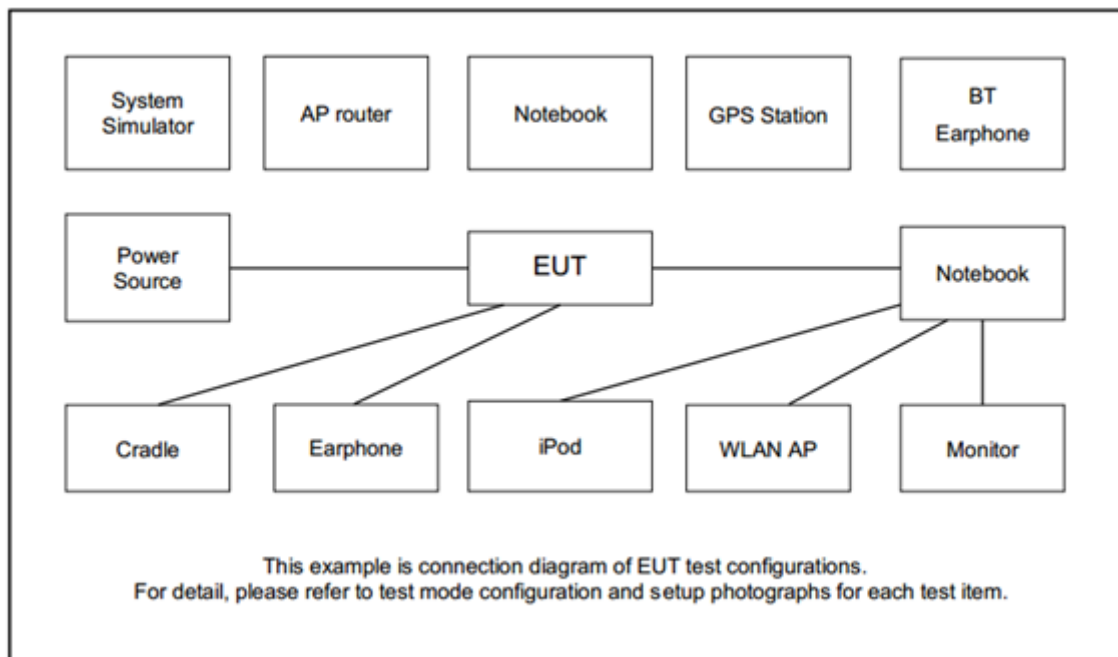
The EUT has been associated with peripherals pursuant to ANSI C63.4-2014 and configuration operated in a manner tended to maximize its emission characteristics in a typical application.

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: GSM850 Idle + Bluetooth Idle + WLAN (2.4GHz) Idle + Camera (Front) + Earphone + USB Cable (Charging from AC Adapter) + SD Card for Sample 1 |
| | Mode 2: WCDMA Band V Idle + Bluetooth Idle + WLAN (5GHz) Idle + Camera (Rear) + Earphone + USB Cable (Charging from AC Adapter) + SD Card for Sample 1 |
| | Mode 3: LTE Band 5 Idle + Bluetooth Idle + WLAN (2.4GHz) Idle + FM Rx + Earphone + USB Cable (Charging from AC Adapter) + SD Card for Sample 1 |
| | Mode 4: LTE Band 12 Idle + Bluetooth Idle + WLAN (2.4GHz) Idle + MPEG4 + Earphone + USB Cable (Charging from AC Adapter) + SD Card for Sample 1 |
| | Mode 5: LTE Band 17 Idle + Bluetooth Idle + WLAN (5GHz) Idle + GPS Rx + Earphone + USB Cable (Data Link with Notebook) + SD Card for Sample 1 |
| | Mode 6: LTE Band 17 Idle + Bluetooth Idle + WLAN (5GHz) Idle + GPS Rx + Earphone + USB Cable (Data Link with Notebook) + SD Card for Sample 2 |

| Test Items | Function Type |
|--|--|
| Radiated Emissions | Mode 1: GSM850 Idle + Bluetooth Idle + WLAN (2.4GHz) Idle + Camera (Front) + Earphone + USB Cable (Charging from AC Adapter) + SD Card for Sample 1 |
| | Mode 2: WCDMA Band V Idle + Bluetooth Idle + WLAN (5GHz) Idle + Camera (Rear) + Earphone + USB Cable (Charging from AC Adapter) + SD Card for Sample 1 |
| | Mode 3: LTE Band 5 Idle + Bluetooth Idle + WLAN (2.4GHz) Idle + FM Rx + Earphone + USB Cable (Charging from AC Adapter) + SD Card for Sample 1 |
| | Mode 4: LTE Band 12 Idle + Bluetooth Idle + WLAN (2.4GHz) Idle + MPEG4 + Earphone + USB Cable (Charging from AC Adapter) + SD Card for Sample 1 |
| | Mode 5: LTE Band 17 Idle + Bluetooth Idle + WLAN (5GHz) Idle + GPS Rx + Earphone + USB Cable (Data Link with Notebook) + SD Card for Sample 1 |
| | Mode 6: LTE Band 17 Idle + Bluetooth Idle + WLAN (5GHz) Idle + GPS Rx + Earphone + USB Cable (Data Link with Notebook) + SD Card for Sample 2 |
| Remark: <ol style="list-style-type: none"> 1. The worst case of AC is mode 6; only the test data of this mode was reported. 2. The worst case of RE is mode 6; 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/LTE Band 5/12/17); 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 | Brand Name | Model Name | FCC ID | Data Cable | Power Cord |
|------|--------------------|---------------|----------------|-------------|-------------------|--|
| 1. | System Simulator | R&S | CMU 200 | N/A | N/A | Unshielded, 1.8 m |
| 2. | System Simulator | Anritsu | MT8820C | N/A | N/A | Unshielded, 1.8 m |
| 3. | GPS Station | Pendulum | GSG-54 | N/A | N/A | Unshielded, 1.8 m |
| 4. | Bluetooth Earphone | Sony Ericsson | MW600 | PY7DDA-2029 | N/A | N/A |
| 5. | WLAN AP | ASUS | RT-AC66U | MSQ-RTAC66U | N/A | Unshielded, 1.8m |
| 6. | iPod | Apple | A1285 | FCC DoC | Shielded, 1.0 m | N/A |
| 7. | Notebook | DELL | Latitude 3400 | FCC DoC | N/A | AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m |
| 8. | Notebook | ASUS | P2430U | FCC DoC | N/A | AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m |
| 9. | SD Card | SanDisk | MicroSD HC | FCC DoC | N/A | N/A |
| 10. | Earphone | Sharp | RPHOE0A007AFZZ | N/A | Unshielded, 1.2 m | N/A |
| 11. | AC Adapter | Sharp | XN-2QC25 | N/A | N/A | N/A |
| 12. | USB Cable | Luxshare-ICT | L6KU2007-CS-H | N/A | Unshielded, 1.0 m | 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 "GPS Test" to make the EUT receive continuous signals from GPS station.
3. Execute "Video player" to play MPEG4 files.
4. Turn on camera to capture images.
5. Turn on FM function.

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.

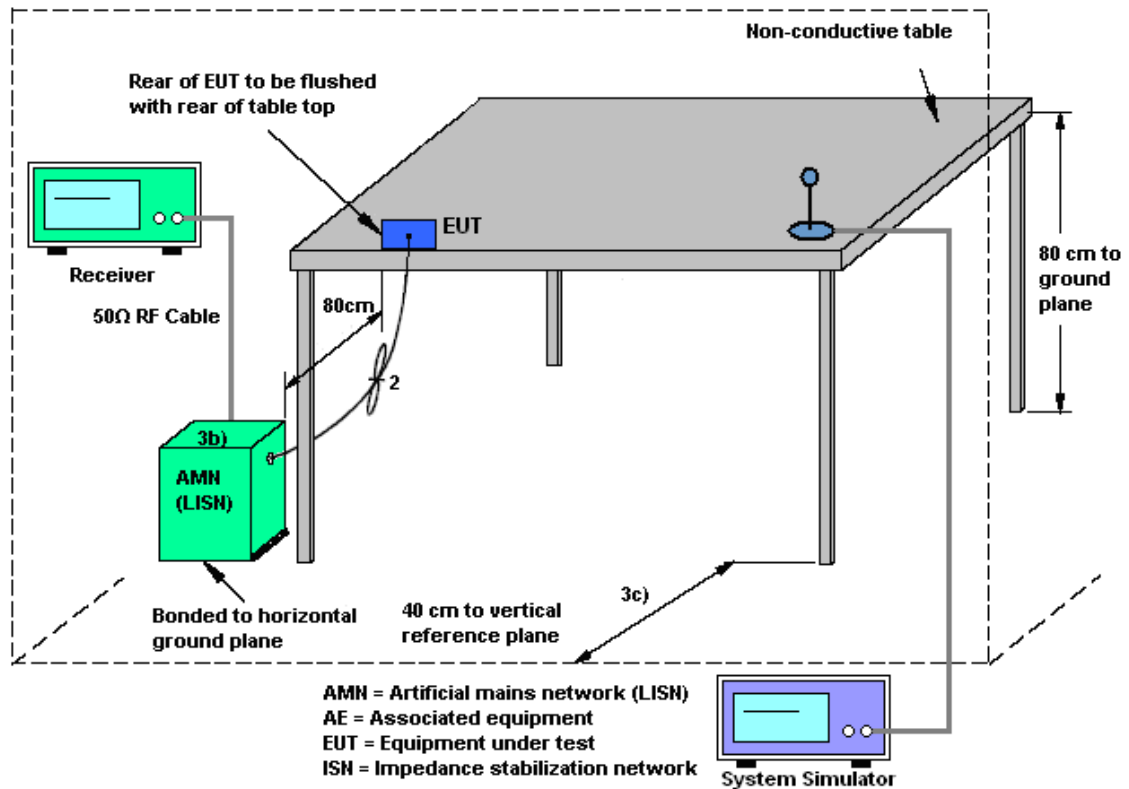
3.1.2. Measuring Instruments

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

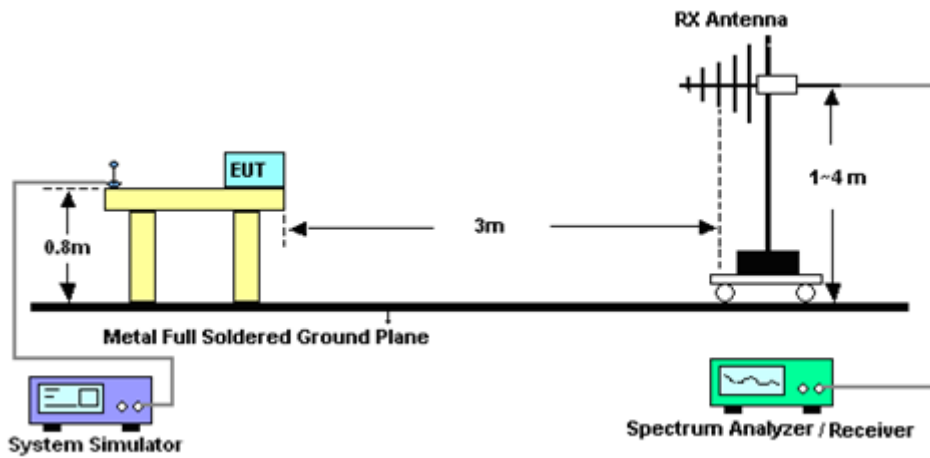
Refer a test equipment and calibration data table in this test report.

3.2.3. Test Procedures

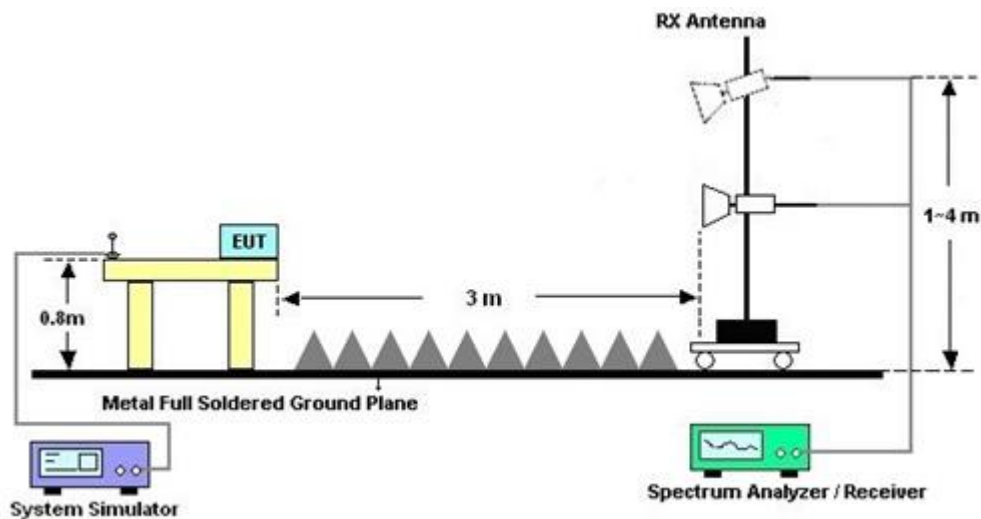
1. The EUT was placed on a turntable with 0.8 meter above ground.
2. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest radiation.
4. The antenna 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 | Brand Name | Model No. | Serial No. | Characteristics | Calibration Date | Test Date | Due Date | Remark |
|-------------------|-------------------|----------------------------------|-----------------------------------|----------------------------------|------------------|---------------------------------|---------------|--------------------------|
| AC Power Source | ChainTek | APC-1000W | N/A | N/A | N/A | Aug. 18, 2020~ Sep. 30, 2020 | N/A | Conduction (CO05-HY) |
| EMI Test Receiver | Rohde & Schwarz | ESR3 | 102388 | 9kHz~3.6GHz | Nov. 15, 2019 | Aug. 18, 2020~ Sep. 30, 2020 | Nov. 14, 2020 | Conduction (CO05-HY) |
| Hygrometer | Testo | 608-H1 | 34913912 | N/A | Nov. 07, 2019 | Aug. 18, 2020~ Sep. 30, 2020 | Nov. 06, 2020 | Conduction (CO05-HY) |
| LISN | Rohde & Schwarz | ENV216 | 100080 | 9kHz~30MHz | Nov. 20, 2019 | Aug. 18, 2020~ Sep. 30, 2020 | Nov. 19, 2020 | Conduction (CO05-HY) |
| LISN | Rohde & Schwarz | ENV216 | 100081 | 9kHz~30MHz | Nov. 15, 2019 | Aug. 18, 2020~ Sep. 30, 2020 | Nov. 14, 2020 | Conduction (CO05-HY) |
| Software | Rohde & Schwarz | EMC32 V10.30 | N/A | N/A | N/A | Aug. 18, 2020~ Sep. 30, 2020 | N/A | Conduction (CO05-HY) |
| LF Cable | HUBER + SUHNER | RG-214/U | LF01 | N/A | Jan. 02, 2020 | Aug. 18, 2020~ Sep. 30, 2020 | Jan. 01, 2021 | Conduction (CO05-HY) |
| Pulse Limiter | Rohde & Schwarz | ESH3-Z2 | 100851 | N/A | Jan. 02, 2020 | Aug. 18, 2020~ Sep. 30, 2020 | Jan. 01, 2021 | Conduction (CO05-HY) |
| Amplifier | SONOMA | 310N | 186713 | 9kHz~1GHz | Apr. 30, 2020 | Aug. 24, 2020~ Oct. 03, 2020 | Apr. 29, 2021 | Radiation (03CH06-HY) |
| Bilog Antenna | Schaffner | CBL 6111C & N-6-06 | 2725 & AT-N0601 | 30MHz~1GHz | Jan. 09, 2020 | Aug. 24, 2020~ Oct. 03, 2020 | Jan. 08, 2021 | Radiation (03CH06-HY) |
| EMI Test Receiver | Rohde & Schwarz | ESU26 | 100472 | 20Hz~26.5GHz | Jan. 10, 2020 | Aug. 24, 2020~ Oct. 03, 2020 | Jan. 09, 2021 | Radiation (03CH06-HY) |
| Horn Antenna | SCHWARZBE CK | BBHA 9120 D | 9120D-02037 | 1GHz~18GHz | Oct. 28, 2019 | Aug. 24, 2020~ Oct. 03, 2020 | Oct. 27, 2020 | Radiation (03CH06-HY) |
| Preamplifier | Jet-Power | JPA00101800- 30-10P | 1601180001 | 1GHz~18GHz | Jul. 21, 2020 | Aug. 24, 2020~ Oct. 03, 2020 | Jul. 20, 2021 | Radiation (03CH06-HY) |
| RF Cable | HUBER + SUHNER | SUCOFLEX 104 / STORM/LL142 | MY24966/4 / 00100A1O2A1 78T | 30MHz~26GHz | Nov. 21, 2019 | Aug. 24, 2020~ Oct. 03, 2020 | Nov. 20, 2020 | Radiation (03CH06-HY) |
| RF Cable | HUBER + SUHNER | SF104 | 802433/4 | 30MHz~18GHz | Aug. 20, 2020 | Aug. 24, 2020~ Oct. 03, 2020 | Aug. 19, 2021 | Radiation (03CH06-HY) |
| Controller | INN-CO | EM1000 | 060782 | Control Turn table & Ant Mast | N/A | Aug. 24, 2020~ Oct. 03, 2020 | N/A | Radiation (03CH06-HY) |
| Antenna Mast | MF | MF-7802 | MF780208212 | 1m~4m | N/A | Aug. 24, 2020~ Oct. 03, 2020 | N/A | Radiation (03CH06-HY) |
| Turn Table | INN-CO | DS2000 | 420/650/00 | 0-360 degree | N/A | Aug. 24, 2020~ Oct. 03, 2020 | N/A | Radiation (03CH06-HY) |
| Software | Audix | E3 6.2009-8-24(k 5) | N/A | N/A | N/A | Aug. 24, 2020~ Oct. 03, 2020 | N/A | Radiation (03CH06-HY) |

5. Uncertainty of Evaluation

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

| | |
|--|-----|
| Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$) | 2.3 |
|--|-----|

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

| | |
|--|-----|
| Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$) | 4.9 |
|--|-----|

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

| | |
|--|-----|
| Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$) | 5.3 |
|--|-----|



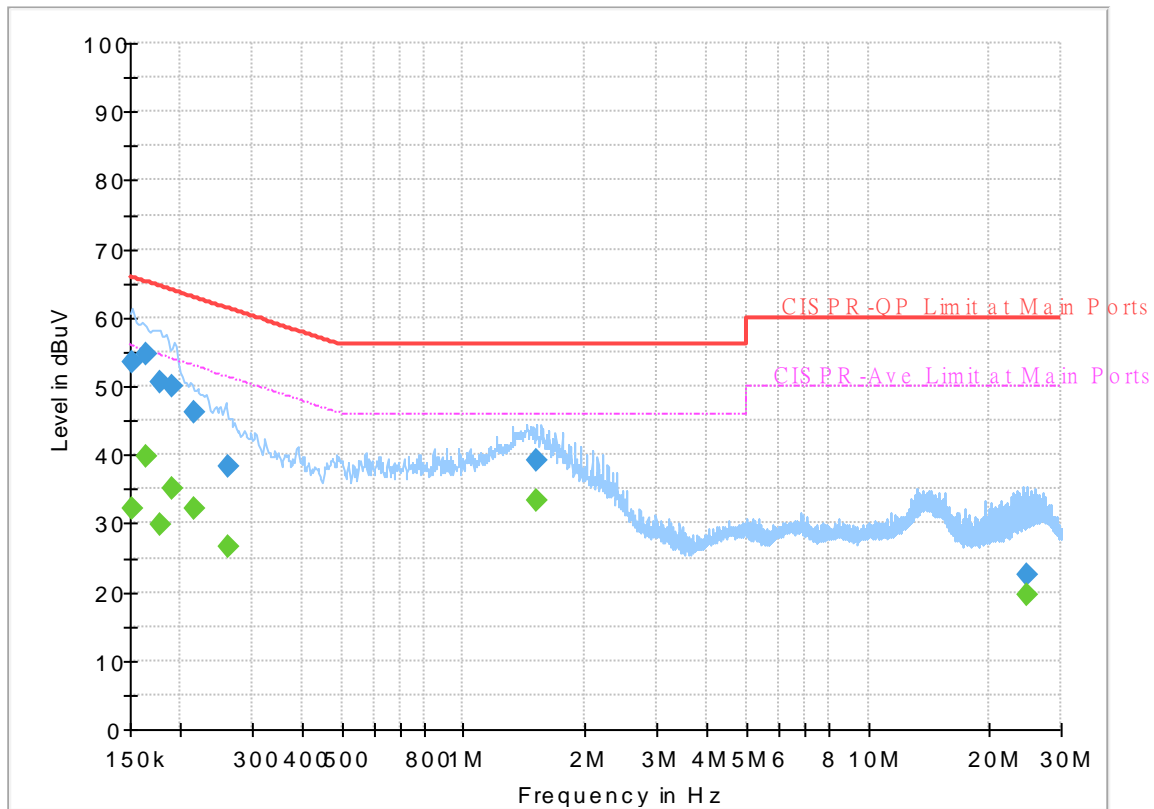
Appendix A. AC Conducted Emission Test Results

| | | | |
|------------------------|--------------------------|----------------------------|---------|
| Test Engineer : | Tom Lee and Howard Huang | Temperature : | 24~26°C |
| | | Relative Humidity : | 42~50% |

EUT Information

Report NO : 070611
Test Mode : Mode 6
Test Voltage : Power From System
Phase : Line

Full Spectrum



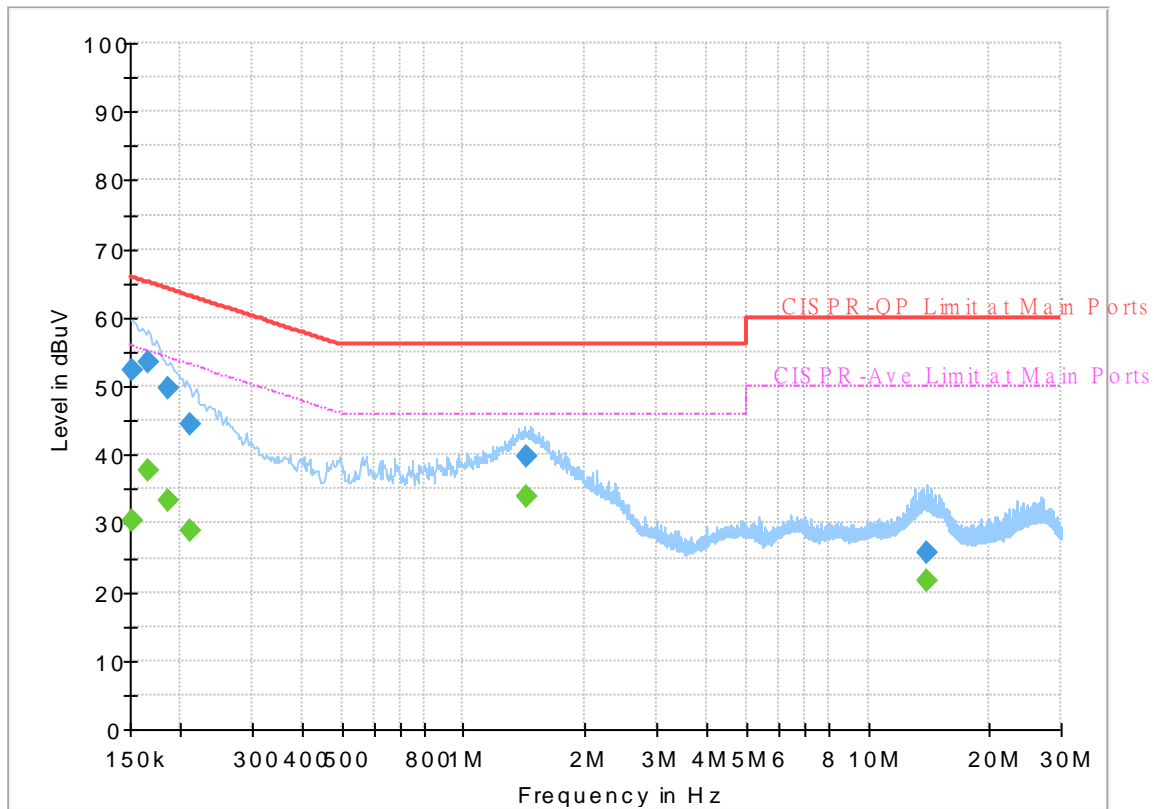
Final_Result

| Frequency (MHz) | QuasiPeak (dBuV) | CAverage (dBuV) | Limit (dBuV) | Margin (dB) | Line | Filter | Corr. (dB) |
|-----------------|------------------|-----------------|--------------|-------------|------|--------|------------|
| 0.152250 | --- | 32.22 | 55.88 | 23.66 | L1 | OFF | 19.5 |
| 0.152250 | 53.58 | --- | 65.88 | 12.30 | L1 | OFF | 19.5 |
| 0.163500 | --- | 39.75 | 55.28 | 15.53 | L1 | OFF | 19.5 |
| 0.163500 | 54.61 | --- | 65.28 | 10.67 | L1 | OFF | 19.5 |
| 0.177000 | --- | 29.79 | 54.63 | 24.84 | L1 | OFF | 19.5 |
| 0.177000 | 50.50 | --- | 64.63 | 14.13 | L1 | OFF | 19.5 |
| 0.190950 | --- | 35.19 | 54.00 | 18.81 | L1 | OFF | 19.5 |
| 0.190950 | 49.87 | --- | 64.00 | 14.13 | L1 | OFF | 19.5 |
| 0.215250 | --- | 32.04 | 53.00 | 20.96 | L1 | OFF | 19.5 |
| 0.215250 | 46.32 | --- | 63.00 | 16.68 | L1 | OFF | 19.5 |
| 0.262500 | --- | 26.52 | 51.35 | 24.83 | L1 | OFF | 19.5 |
| 0.262500 | 38.36 | --- | 61.35 | 22.99 | L1 | OFF | 19.5 |
| 1.511250 | --- | 33.35 | 46.00 | 12.65 | L1 | OFF | 19.6 |
| 1.511250 | 39.14 | --- | 56.00 | 16.86 | L1 | OFF | 19.6 |
| 24.600750 | --- | 19.45 | 50.00 | 30.55 | L1 | OFF | 19.8 |
| 24.600750 | 22.46 | --- | 60.00 | 37.54 | L1 | OFF | 19.8 |

EUT Information

Report NO : 070611
Test Mode : Mode 6
Test Voltage : Power From System
Phase : Neutral

Full Spectrum



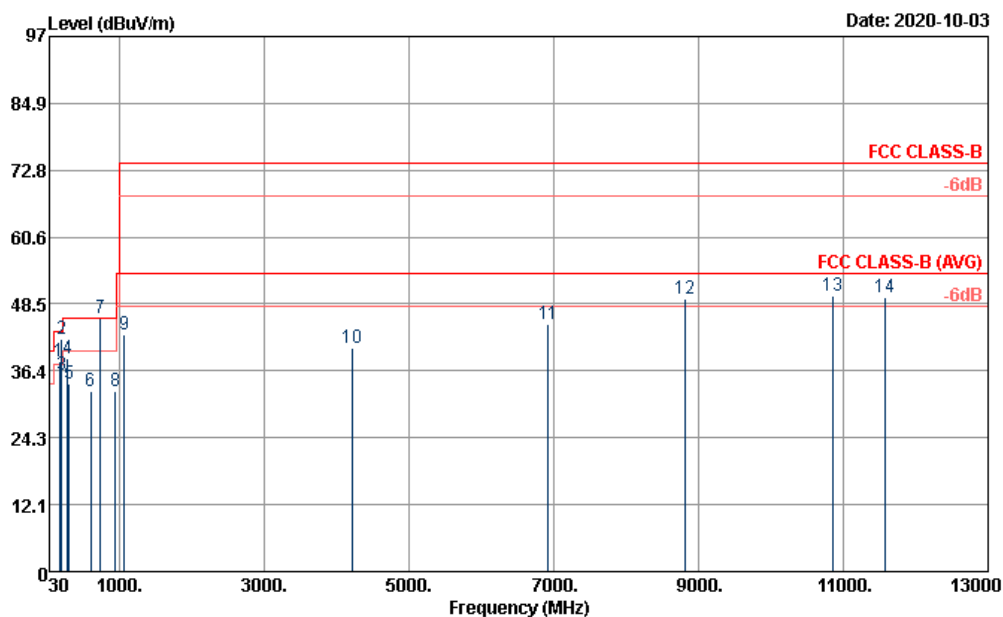
Final_Result

| Frequency (MHz) | QuasiPeak (dBuV) | CAverage (dBuV) | Limit (dBuV) | Margin (dB) | Line | Filter | Corr. (dB) |
|-----------------|------------------|-----------------|--------------|-------------|------|--------|------------|
| 0.152250 | --- | 30.40 | 55.88 | 25.48 | N | OFF | 19.5 |
| 0.152250 | 52.43 | --- | 65.88 | 13.45 | N | OFF | 19.5 |
| 0.165750 | --- | 37.83 | 55.17 | 17.34 | N | OFF | 19.5 |
| 0.165750 | 53.54 | --- | 65.17 | 11.63 | N | OFF | 19.5 |
| 0.186090 | --- | 33.42 | 54.21 | 20.79 | N | OFF | 19.5 |
| 0.186090 | 49.63 | --- | 64.21 | 14.58 | N | OFF | 19.5 |
| 0.210750 | --- | 28.95 | 53.18 | 24.23 | N | OFF | 19.5 |
| 0.210750 | 44.58 | --- | 63.18 | 18.60 | N | OFF | 19.5 |
| 1.425750 | --- | 33.98 | 46.00 | 12.02 | N | OFF | 19.6 |
| 1.425750 | 39.84 | --- | 56.00 | 16.16 | N | OFF | 19.6 |
| 13.974090 | --- | 21.53 | 50.00 | 28.47 | N | OFF | 19.9 |
| 13.974090 | 25.77 | --- | 60.00 | 34.23 | N | OFF | 19.9 |



Appendix B. Radiated Emission Test Result

| | | | |
|-----------------|---|---------------------|------------|
| Test Engineer : | Yuan Lee, You Xian Chen | Temperature : | 25~27°C |
| | | Relative Humidity : | 36~39% |
| Test Distance : | 3m | Polarization : | Horizontal |
| Remark : | #7 is system simulator signal which can be ignored. | | |

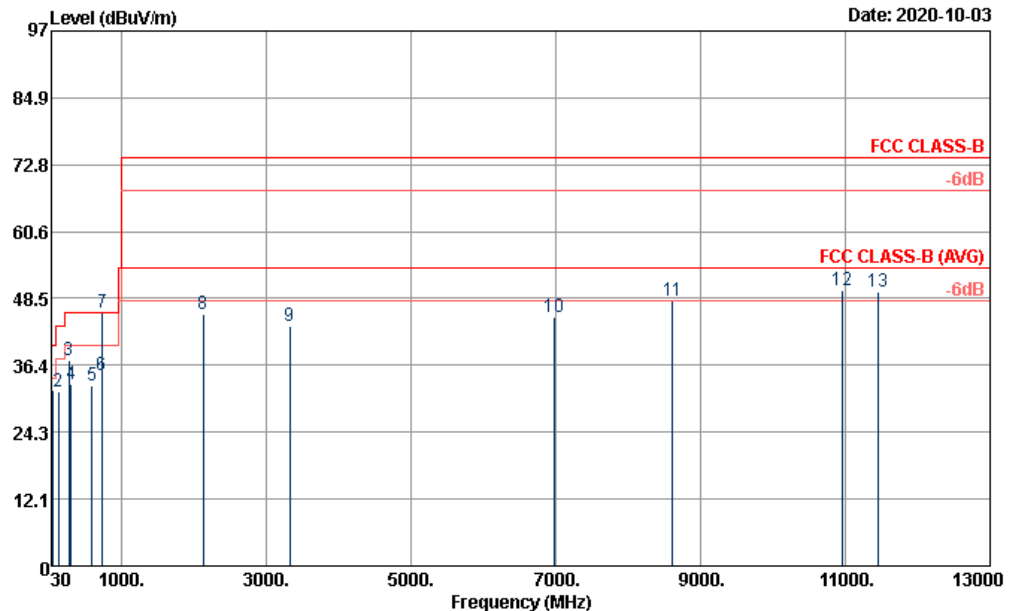


Site : 03CH06-HY
 Condition : FCC CLASS-B 3m 9120B_1156_200915 HORIZONTAL
 Project : 070611
 Power : From System
 Memo : Mode 6
 : NB to eMMC

| | Freq | Level | Over Limit | Limit Line | ReadAntenna Level | Cable Factor | Preamp Loss | A/Pos | T/Pos | Remark |
|-----|----------|--------|------------|------------|-------------------|--------------|-------------|-------|-------|--------|
| | MHz | dBuV/m | dB | dBuV/m | dBuV | dB/m | dB | dB | cm | deg |
| 1 ! | 169.32 | 38.12 | -5.38 | 43.50 | 52.59 | 15.45 | 1.66 | 31.64 | --- | --- |
| 2 ! | 203.34 | 42.10 | -1.40 | 43.50 | 56.80 | 14.99 | 1.87 | 31.64 | 169 | 62 |
| 3 | 203.34 | 35.70 | -7.80 | 43.50 | 50.40 | 14.99 | 1.87 | 31.64 | 169 | 62 |
| 4 | 278.40 | 38.51 | -7.49 | 46.00 | 49.15 | 18.67 | 2.20 | 31.62 | --- | --- |
| 5 | 300.70 | 34.06 | -11.94 | 46.00 | 44.16 | 19.10 | 2.29 | 31.61 | --- | --- |
| 6 | 599.60 | 32.74 | -13.26 | 46.00 | 35.56 | 25.49 | 3.35 | 31.83 | --- | --- |
| 7 * | 740.00 | 46.01 | | | 46.22 | 27.74 | 3.64 | 31.83 | --- | --- |
| 8 | 942.60 | 32.56 | -13.44 | 46.00 | 28.74 | 30.33 | 4.05 | 30.95 | --- | --- |
| 9 | 1066.00 | 42.89 | -31.11 | 74.00 | 77.29 | 24.67 | 4.26 | 63.76 | --- | --- |
| 10 | 4224.00 | 40.63 | -33.37 | 74.00 | 64.15 | 30.10 | 9.15 | 63.70 | --- | --- |
| 11 | 6918.00 | 44.91 | -29.09 | 74.00 | 60.45 | 35.03 | 12.43 | 64.08 | --- | --- |
| 12 | 8810.00 | 49.47 | -24.53 | 74.00 | 60.30 | 37.80 | 14.68 | 64.43 | --- | --- |
| 13 | 10854.00 | 50.04 | -23.96 | 74.00 | 55.21 | 40.43 | 16.53 | 63.49 | 100 | 0 |
| 14 | 11568.00 | 49.85 | -24.15 | 74.00 | 54.86 | 39.97 | 17.12 | 63.42 | --- | --- |



| | | | |
|-----------------|---|---------------------|----------|
| Test Engineer : | Yuan Lee, You Xian Chen | Temperature : | 25~27°C |
| | | Relative Humidity : | 36~39% |
| Test Distance : | 3m | Polarization : | Vertical |
| Remark : | #7 is system simulator signal which can be ignored. | | |



Site : 03CH06-HY
Condition : FCC CLASS-B 3m 9120D_1156_200915 VERTICAL
Project : 070611
Power : From System
Memo : Mode 6
: NB to eMMC

| | Freq | Level | Over Limit | Limit Line | ReadAntenna Level | Cable Factor | Preamp Loss | A/Pos | T/Pos | Remark |
|-----|----------|--------|------------|------------|-------------------|--------------|-------------|-------|-------|--------|
| | MHz | dBuV/m | dB | dBuV/m | dBuV | dB/m | dB | dB | cm | deg |
| 1 | 47.55 | 31.85 | -8.15 | 40.00 | 47.19 | 15.41 | 0.88 | 31.66 | 100 | 0 Peak |
| 2 | 123.96 | 31.58 | -11.92 | 43.50 | 44.08 | 17.58 | 1.46 | 31.63 | --- | --- |
| 3 | 275.70 | 37.26 | -8.74 | 46.00 | 47.98 | 18.60 | 2.19 | 31.62 | --- | --- |
| 4 | 301.40 | 32.92 | -13.08 | 46.00 | 43.00 | 19.11 | 2.30 | 31.61 | --- | --- |
| 5 | 587.70 | 32.59 | -13.41 | 46.00 | 35.41 | 25.51 | 3.29 | 31.81 | --- | --- |
| 6 | 721.40 | 34.54 | -11.46 | 46.00 | 35.37 | 27.13 | 3.58 | 31.83 | --- | --- |
| 7 ! | 740.00 | 45.90 | | | 46.11 | 27.74 | 3.64 | 31.83 | --- | --- |
| 8 | 2126.00 | 45.56 | -28.44 | 74.00 | 74.98 | 27.40 | 6.26 | 63.70 | --- | --- |
| 9 | 3326.00 | 43.54 | -30.46 | 74.00 | 70.34 | 28.13 | 7.75 | 63.48 | --- | --- |
| 10 | 6976.00 | 45.25 | -28.75 | 74.00 | 60.32 | 35.17 | 12.64 | 64.10 | --- | --- |
| 11 | 8616.00 | 48.10 | -25.90 | 74.00 | 59.54 | 37.27 | 14.60 | 64.46 | --- | --- |
| 12 | 10966.00 | 50.06 | -23.94 | 74.00 | 54.94 | 40.57 | 16.63 | 63.44 | 100 | 0 Peak |
| 13 | 11448.00 | 49.76 | -24.24 | 74.00 | 54.81 | 40.00 | 17.02 | 63.40 | --- | --- |