







FCC 15B TEST REPORT No. I20Z60681-EMC01

for

TCL Communication Ltd.

GSM/UMTS/LTE Mobile phone

Model Name: 5004S

FCC ID: 2ACCJH127

with

Hardware Version: 08

Software Version: 5H6EUFE0

Issued Date: 2020-07-10

Note:

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REPORT HISTORY

| Report Number | Revision | Description | Issue Date |
|-----------------|----------|------------------------------------|------------|
| I20Z60681-EMC01 | Rev.0 | 1 st edition | 2020-06-24 |
| I20Z60681-EMC01 | Rev.1 | 2 nd edition,Update the | 2020-07-10 |
| | | Test Equipments Utilized | |





CONTENTS

| 1. | TEST LABORATORY | 4 |
|------|---|------|
| 1.1. | TESTING LOCATION | 4 |
| 1.2. | TESTING ENVIRONMENT | 4 |
| 1.3. | PROJECT DATA | 4 |
| 1.4. | . SIGNATURE | 4 |
| 2. | CLIENT INFORMATION | 5 |
| 2.1. | . APPLICANT INFORMATION | 5 |
| 2.2. | MANUFACTURER INFORMATION | 5 |
| 3. | EQUIPMENT UNDER TEST (EUT) AND ANCILLARY EQUIPMENT (AE) | 6 |
| 3.1. | ABOUT EUT | 6 |
| 3.2. | . INTERNAL IDENTIFICATION OF EUT USED DURING THE TEST | 6 |
| 3.3. | . INTERNAL IDENTIFICATION OF AE USED DURING THE TEST | 6 |
| 3.4. | EUT SET-UPS | 7 |
| 4. | REFERENCE DOCUMENTS | 8 |
| 4.1. | REFERENCE DOCUMENTS FOR TESTING | 8 |
| 5. | LABORATORY ENVIRONMENT | 9 |
| 6. | SUMMARY OF TEST RESULTS | 10 |
| 7. | TEST EQUIPMENTS UTILIZED | 11 |
| AN | NEX A: MEASUREMENT RESULTS | . 12 |
| AN | NEX B: PERSONS INVOLVED IN THIS TESTING | 23 |





1. Test Laboratory

1.1. Testing Location

Location 1: CTTL(huayuan North Road)

Address: No. 52, Huayuan North Road, Haidian District, Beijing,

P. R. China 100191

1.2. <u>Testing Environment</u>

Normal Temperature: $15-35^{\circ}$ C Relative Humidity: 20-75%

1.3. Project data

Testing Start Date: 2020-05-28
Testing End Date: 2020-06-22

1.4. Signature

An Hui

(Prepared this test report)

张 颖

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(Reviewed this test report)

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(Approved this test report)





2. Client Information

2.1. Applicant Information

Company Name: TCL Communication Ltd.

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City: Hong Kong

Postal Code: /

Country: China

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2.2. Manufacturer Information

Company Name: TCL Communication Ltd.

Address /Post: 5/F, Building 22E, 22 Science Park East Avenue, Hong Kong Science

Park, Shatin, NT, Hong Kong

City: Hong Kong

Postal Code:

Country: China

Telephone: 0086-755-36611722

Fax: 0086-755-36612000-81722





3. Equipment Under Test (EUT) and Ancillary Equipment (AE)

3.1. About EUT

Description GSM/UMTS/LTE Mobile phone

Model Name 5004S

FCC ID 2ACCJH127

The Equipment under Test (EUT) is a model of GSM/UMTS/LTE Mobile phone with integrated antenna and inbuilt battery.

Manual and specifications of the EUT were provided to fulfil the test.

Samples undergoing test were selected by the client.

Note: Components list, please refer to documents of the manufacturer; it is also included in the original test record of CTTL, Telecommunication Technology Labs, Academy of Telecommunication Research, MIIT.

3.2. Internal Identification of EUT used during the test

| EUT ID* | SN or IMEI | HW Version | SW Version |
|---------|-----------------|-------------------|------------|
| EUT1 | 355952110203844 | 08 | 5H6EUFE0 |

^{*}EUT ID: is used to identify the test sample in the lab internally.

3.3. Internal Identification of AE used during the test

| AE ID* | Description | SN | Remarks |
|----------|-------------|--------------|---------|
| AE1 | Battery | 1 | 1 |
| AE2 | Charger | 1 | 1 |
| AE3 | USB Cable | 1 | 1 |
| AE4 | Headset | 1 | 1 |
| AE1 | | | |
| Model | | CAC2900028C1 | |
| Manufac | turer | BYD | |
| Capacita | nce | 3000mAh | |
| Nominal | voltage | 1 | |
| | | | |
| AE2 | | | |
| Model | | CBA0059BGTC5 | |
| Manufac | turer | PUAN | |
| Length o | f cable | 1 | |
| | | | |
| AE3 | | | |
| Model | | CDA0000151C1 | |
| Manufac | turer | JUWEI | |
| Length o | f cable | 1 | |
| | | | |





AE4

Model Headset

Manufacturer
Length of cable

3.4. EUT set-ups

| EUT set-up No. | Combination of EUT and AE | Remarks |
|----------------|-----------------------------|-------------------------------------|
| Set.1 | EUT2+ AE1 + AE2 + AE3 | Charger+MP3+GNSS + GSM850 idle |
| Set.2 | EUT2+ AE1 + AE2 + AE3 | Charger+CAMERA + WCDMA850 idle |
| Set.3 | EUT2+ AE1 + AE2 + AE3 + AE4 | USB mode +FM + LTE FDD Band 5/12/13 |
| Note: | | |

The device contains receivers which tune and operate between 30MHz-960MHz in the following bands: GSM850, WCDMA850, LTE B5, LTE B12 and LTE B13.

The EUT was tested while operating in licensed band RX mode. All licensed band receivers are investigated. Only the worst case emissions are reported.

^{*}AE ID: is used to identify the test sample in the lab internally.





4. Reference Documents

4.1. Reference Documents for testing

The following documents listed in this section are referred for testing.

| Reference | Title | Version |
|------------------------|---|--------------------|
| FCC Part 15, Subpart B | Radio frequency devices - Unintentional Radiators | 10-1-16 Edition |
| ANSI C63.4 | American National Standard for | 2014 |
| | Methods of Measurement of Radio- | |
| | Noise Emissions from Low-Voltage | |
| | Electrical and Electronic Equipment | |

in the Range of 9 kHz to 40 GHz

Note: The test methods have no deviation with standards.





5. LABORATORY ENVIRONMENT

Semi-anechoic chamber SAC-1 (23 meters \times 17meters \times 10meters) did not exceed following limits along the EMC testing:

| 3 | |
|-----------------------------------|---|
| Temperature | Min. = 15 °C, Max. = 35 °C |
| Relative humidity | Min. = 15 %, Max. = 75 % |
| Shielding effectiveness | 0.014MHz-1MHz, >60dB; |
| | 1MHz - 1000MHz, >90dB. |
| Electrical insulation | > 2 M |
| Ground system resistance | < 4 |
| Normalised site attenuation (NSA) | < ±4 dB, 10 m distance |
| Site voltage standing-wave ratio | Between 0 and 6 dB, from 1GHz to 6GHz |
| (Svswr) | |
| Uniformity of field strength | Between 0 and 6 dB, from 80 to 3000 MHz |

Shielded room did not exceed following limits along the EMC testing:

| Temperature | Min. = 15 °C, Max. = 35 °C |
|--------------------------|----------------------------|
| Relative humidity | Min. = 20 %, Max. = 75 % |
| Shielding effectiveness | 0.014MHz-1MHz, >60dB; |
| | 1MHz-1000MHz, >90dB. |
| Electrical insulation | > 2 M |
| Ground system resistance | < 4 |





6. SUMMARY OF TEST RESULTS

| Abbreviations used in this clause: | | |
|------------------------------------|-------|---|
| Р | | Pass |
| Verdict Column | NA | Not applicable |
| F | | Fail |
| Location Column | 1/2/4 | The test is performed in test location 1/2/4 which is described in section 1.1 of this report |

| Items | Test Name | Clause in FCC rules | Section in this report | Verdict | Test Location |
|-------|-----------------------|---------------------|------------------------|---------|------------------|
| 1 | Radiated Emission | 15.109(a) | A.1 | Р | 1 |
| 2 | Conducted Emission | 15.107(a) | A.2 | Р | 1 |





7. Test Equipments Utilized

| NO. | Description | TYPE | SERIES NUMBER | MANUFACTURE | CAL DUE DATE | CALIBRAT ION INTERVAL |
|-----|---|-----------|------------------|-----------------|-----------------|-----------------------------|
| 1 | LISN | ENV216 | 101200 | Rohde & Schwarz | 1 year | 2021-05-17 |
| 2 | Test Receiver | ESCI 7 | 100344 | Rohde & Schwarz | 1 Year | 2021-02-26 |
| 3 | Universal Radio Communication Tester | CMW500 | 150344 | R&S | 1 Year | 2020-11-17 |
| 4 | Test Receiver | ESU26 | 100235 | Rohde & Schwarz | 1 Year | 2021-03-03 |
| 5 | BiLog Antenna | VULB9163 | 483 | Schwarzbeck | 1 Year | 2020-09-17 |
| 6 | Dual-Ridge Waveguide Horn Antenna | 3115 | 6914 | ETS-Lindgren | 1 Year | 2021-01-14 |
| 7 | PC | M4000e-17 | M706GWXD | Lenovo | N/A | N/A |
| 8 | Printer | P1606dn | VNC3L52122 | HP | N/A | N/A |
| 9 | Signal Generator | SMT06 | 831285/005 | R&S | 1 Year | 2021-01-04 |

Note: The EMI Antenna with series number 167250 was used before Cal. Due Date.

| Test Item | Test Software and Version | Software Vendor |
|------------------------------|---------------------------|-----------------|
| Radiated Continuous Emission | EMC32 V9.01.0 | R&S |
| Conducted Emission | EMC32 V8.52.0 | R&S |





ANNEX A: MEASUREMENT RESULTS

A.1 Radiated Emission

Reference

FCC: CFR Part 15.109(a).

A.1.1 Method of measurement

The field strength of radiated emissions from the unintentional radiator (charging mode and FM mode of MS) at distances of 10 meters(for 30MHz-1GHz) and 3 meters (for above 1GHz) is tested. Tested in accordance with the procedures of ANSI C63.4 – 2014, section 8.3.

The EUT was placed on a non-conductive table. The measurement antenna was placed at a distance of 3/10 meters from the EUT. During the tests, the antenna height and the EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. This maximization process was repeated with the EUT positioned in each of its three orthogonal orientations.

A.1.2 EUT Operating Mode:

The MS is operating in the charging mode. During the test MS is connected to a charger in the case of charging mode.

The EUT was tested while operating in licensed band Rx mode. All licensed band receivers that tune in the range of 30MHz-960MHz, as listed in Section 2.2, are investigated. Only the worst case emissions are reported.

All equipment is placed on the test table top and arranged in a typical configuration in accordance with ANSI C63.4-2014 and manipulated to obtain worst case emissions.

A.1.3 Measurement Limit

| Frequency range | Field strength limit (μV/m) | | | | | |
|-----------------|-----------------------------|------|------|--|--|--|
| (MHz) | Quasi-peak | Peak | | | | |
| 30-88 | 100 | | | | | |
| 88-216 | 150 | | | | | |
| 216-960 | 200 | | | | | |
| 960-1000 | 500 | | | | | |
| >1000 | | 500 | 5000 | | | |

Note: the above limit is for 3 meters test distance. 10 meters' limit is got by converting.

A.1.4 Test Condition

| | Frequency range (MHz) | RBW/VBW | Sweep Time (s) | Detector |
|---|-----------------------|-----------------------|----------------|-----------------|
| | 30-1000 | 120kHz (IF Bandwidth) | 5 | Peak/Quasi-peak |
| ĺ | Above 1000 | 1MHz/1MHz | 15 | Peak, Average |





A.1.5 Measurement Results

A "reference path loss" is established and the A_{Rpl} is the attenuation of "reference path loss". It includes the antenna factor of receive antenna and the path loss.

The measurement results are obtained as described below:

Result = $P_{Mea} + A_{Rpl} = P_{Mea} + G_A + G_{PL}$

Where

GA: Antenna factor of receive antenna

G_{PL}: Path Loss

P_{Mea}: Measurement result on receiver.

Measurement uncertainty (worst case): 30MHz-1GHz: 5.16dB, 1GHz-18GHz: 5.44dB, *k*=2.

Measurement results for Set.1:

Charger+MP3+GNSS + GSM850 idle

| Frequency | QuasiPeak | Limit | Margin | Height | Pol | Azimuth |
|------------|------------|------------|--------|--------|-----|---------|
| (MHz) | (dB μ V/m) | (dB µ V/m) | (dB) | (cm) | | (deg) |
| 31.737000 | 17.36 | 30.00 | 12.64 | 184.0 | V | 30.0 |
| 41.192000 | 13.06 | 30.00 | 16.94 | 195.0 | V | -30.0 |
| 52.564000 | 12.74 | 30.00 | 17.26 | 184.0 | V | 182.0 |
| 60.851000 | 16.65 | 30.00 | 13.35 | 288.0 | V | -30.0 |
| 102.967000 | 9.95 | 33.50 | 23.57 | 225.0 | V | -2.0 |
| 398.586000 | 14.40 | 36.00 | 21.62 | 104.0 | V | 72.0 |

Charger+MP3+GNSS + GSM850 idle Average detector

| Frequency | Result | GPL | GA | PMea | Polarity | Limit | Margin |
|-----------|----------|-------|--------|--------|----------|----------|--------|
| (MHz) | (dBµV/m) | (dB) | (dB/m) | (dBµV) | | (dBµV/m) | (dB) |
| 17954.100 | 47.7 | -17.7 | 45.6 | 19.800 | Н | 54 | 6.3 |
| 17844.733 | 47.1 | -18.5 | 45.6 | 20.000 | Н | 54 | 6.9 |
| 17962.033 | 47.0 | -17.7 | 45.6 | 19.100 | V | 54 | 7 |
| 17977.333 | 46.9 | -17.7 | 45.6 | 19.000 | Н | 54 | 7.1 |
| 17950.133 | 46.8 | -17.7 | 45.6 | 18.900 | Н | 54 | 7.2 |
| 17981.300 | 46.8 | -17.7 | 45.6 | 18.900 | Н | 54 | 7.2 |

Charger+MP3+GNSS + GSM850 idle Peak detector

| Frequency | Result | GPL | GA | PMea | Polarity | Limit | Margin |
|-----------|----------|-------|--------|--------|----------|----------|--------|
| (MHz) | (dBµV/m) | (dB) | (dB/m) | (dBµV) | | (dBµV/m) | (dB) |
| 17958.633 | 55.9 | -17.7 | 45.6 | 28.000 | Н | 74 | 18.1 |
| 17946.733 | 55.8 | -17.7 | 45.6 | 27.900 | Н | 74 | 18.2 |
| 17890.067 | 55.6 | -18.5 | 45.6 | 28.500 | V | 74 | 18.4 |
| 17954.100 | 55.5 | -17.7 | 45.6 | 27.600 | Н | 74 | 18.5 |
| 17948.433 | 55.5 | -17.7 | 45.6 | 27.600 | Н | 74 | 18.5 |
| 17840.200 | 55.5 | -18.5 | 45.6 | 28.400 | Н | 74 | 18.5 |





Measurement results for Set.2:

Charger+CAMERA + WCDMA 850 idle QP detector

| Frequency | QuasiPeak | Limit | Margin | Height | Pol | Azimuth |
|------------|------------|------------|--------|--------|-----|---------|
| (MHz) | (dB μ V/m) | (dB µ V/m) | (dB) | (cm) | | (deg) |
| 32.134000 | 18.05 | 30.00 | 11.95 | 110.0 | V | 30.0 |
| 41.538000 | 12.08 | 30.00 | 17.92 | 314.0 | V | -7.0 |
| 59.382000 | 14.50 | 30.00 | 15.50 | 277.0 | V | 120.0 |
| 100.334000 | 9.32 | 33.50 | 24.20 | 316.0 | V | -30.0 |
| 110.801000 | 10.42 | 33.50 | 23.10 | 125.0 | V | -18.0 |
| 577.200000 | 17.47 | 36.00 | 18.55 | 225.0 | V | 190.0 |

Charger+CAMERA + WCDMA 850 idle Mode /Average detector

| Frequency | Result | GPL | GA | PMea | Polarity | Limit | Margin |
|-----------|----------|-------|--------|--------|----------|----------|--------|
| (MHz) | (dBµV/m) | (dB) | (dB/m) | (dBµV) | | (dBµV/m) | (dB) |
| 17947.867 | 47.4 | -17.7 | 45.6 | 19.500 | Н | 54 | 6.6 |
| 17941.067 | 47.4 | -17.7 | 45.6 | 19.500 | Н | 54 | 6.6 |
| 17958.633 | 47.2 | -17.7 | 45.6 | 19.300 | V | 54 | 6.8 |
| 17945.600 | 47.1 | -17.7 | 45.6 | 19.200 | Н | 54 | 6.9 |
| 17982.433 | 46.8 | -17.7 | 45.6 | 18.900 | Н | 54 | 7.2 |
| 17839.067 | 46.8 | -18.5 | 45.6 | 19.700 | Н | 54 | 7.2 |

Charger+CAMERA + WCDMA 850 idle Mode /Peak detector

| Frequency | Result | GPL | GA | PMea | Polarity | Limit | Margin |
|-----------|----------|-------|--------|--------|----------|----------|--------|
| (MHz) | (dBµV/m) | (dB) | (dB/m) | (dBµV) | | (dBµV/m) | (dB) |
| 17958.633 | 55.9 | -17.7 | 45.6 | 28.000 | Н | 74 | 18.1 |
| 17946.733 | 55.8 | -17.7 | 45.6 | 27.900 | Н | 74 | 18.2 |
| 17890.067 | 55.6 | -18.5 | 45.6 | 28.500 | V | 74 | 18.4 |
| 17954.100 | 55.5 | -17.7 | 45.6 | 27.600 | Н | 74 | 18.5 |
| 17948.433 | 55.5 | -17.7 | 45.6 | 27.600 | Н | 74 | 18.5 |
| 17840.200 | 55.5 | -18.5 | 45.6 | 28.400 | Н | 74 | 18.5 |





Measurement results for Set.3:

USB & FM + LTE B12 idle Mode QP detector

| Frequency | QuasiPeak | Limit | Margin | Height | Pol | Azimuth |
|------------|------------|------------|--------|--------|-----|---------|
| (MHz) | (dB μ V/m) | (dB µ V/m) | (dB) | (cm) | | (deg) |
| 44.379000 | 18.97 | 30.00 | 11.03 | 125.0 | V | 104.0 |
| 74.694000 | 17.13 | 30.00 | 12.87 | 178.0 | V | 78.0 |
| 99.124000 | 21.70 | 33.50 | 11.82 | 101.0 | V | -18.0 |
| 296.491000 | 20.54 | 36.00 | 15.48 | 102.0 | V | 157.0 |
| 494.431000 | 24.24 | 36.00 | 11.78 | 279.0 | V | -18.0 |
| 595.344000 | 28.36 | 36.00 | 7.66 | 225.0 | V | -30.0 |

USB & FM Mode + LTE B12 idle Average detector

| Frequency | Result | GPL | GA | PMea | Polarity | Limit | Margin |
|-----------|----------|-------|--------|--------|----------|----------|--------|
| (MHz) | (dBµV/m) | (dB) | (dB/m) | (dBµV) | | (dBµV/m) | (dB) |
| 17954.667 | 46.8 | -17.7 | 45.6 | 18.900 | Н | 54 | 7.2 |
| 17963.167 | 46.8 | -17.7 | 45.6 | 18.900 | Н | 54 | 7.2 |
| 17985.833 | 46.8 | -17.7 | 45.6 | 18.900 | V | 54 | 7.2 |
| 17993.200 | 46.7 | -17.7 | 45.6 | 18.800 | Н | 54 | 7.3 |
| 17965.433 | 46.5 | -17.7 | 45.6 | 18.600 | Н | 54 | 7.5 |
| 17957.500 | 46.5 | -17.7 | 45.6 | 18.600 | Н | 54 | 7.5 |

USB & FM Mode + LTE B12 idle Peak detector

| Frequency | Result | GPL | GA | PMea | Polarity | Limit | Margin |
|-----------|----------|-------|--------|--------|----------|----------|--------|
| (MHz) | (dBµV/m) | (dB) | (dB/m) | (dBµV) | | (dBµV/m) | (dB) |
| 17959.200 | 56.0 | -17.7 | 45.6 | 28.100 | Н | 74 | 18 |
| 17967.700 | 55.9 | -17.7 | 45.6 | 28.000 | Н | 74 | 18.1 |
| 17990.933 | 55.8 | -17.7 | 45.6 | 27.900 | V | 74 | 18.2 |
| 17962.600 | 55.8 | -17.7 | 45.6 | 27.900 | Н | 74 | 18.2 |
| 17977.900 | 55.7 | -17.7 | 45.6 | 27.800 | Н | 74 | 18.3 |
| 17957.500 | 55.6 | -17.7 | 45.6 | 27.700 | Н | 74 | 18.4 |

Sample calculation: Peak detector, 17959.200MHz

Result = P_{Mea} (28.1dB μ V)+ G_A (45.6dB/m)+ G_{PL} (-17.7 dB) =56 dB μ V/m





Charger+MP3+GNSS + GSM850 idle, Set.1

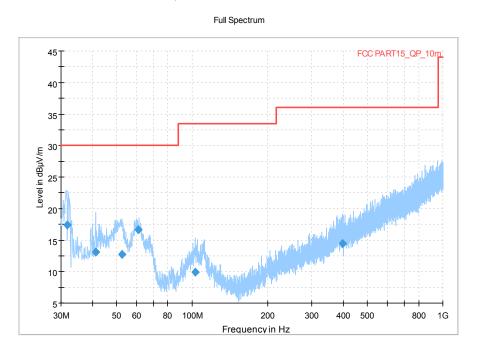


Figure A.1 Radiated Emission from 30MHz to 1GHz

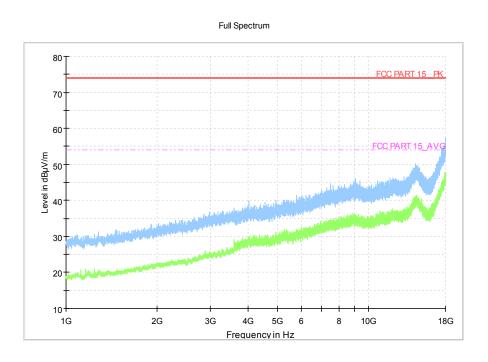


Figure A.2 Radiated Emission from 1GHz to 18GHz





Charger+CAMERA + WCDMA850 idle, Set.2

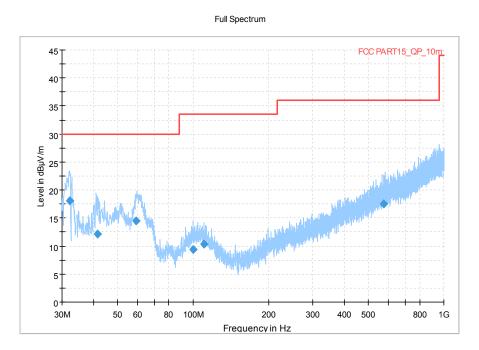


Figure A.3 Radiated Emission from 30MHz to 1GHz

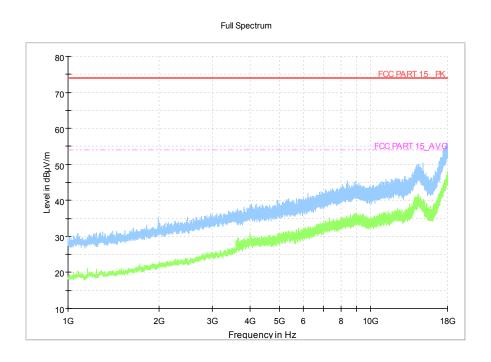


Figure A.4 Radiated Emission from 1GHz to 18GHz





USB mode +FM + LTE FDD Band 5, Set.3

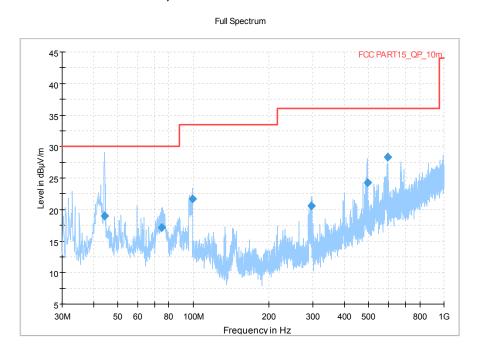


Figure A.5 Radiated Emission from 30MHz to 1GHz

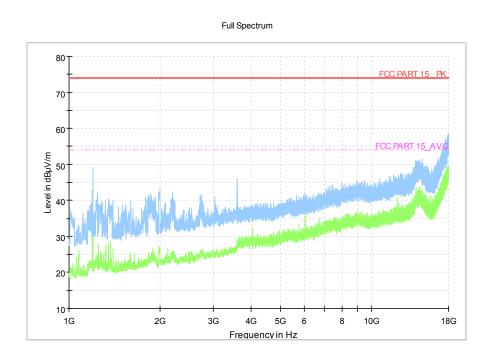


Figure A.6 Radiated Emission from 1GHz to 18GHz





A.2 Conducted Emission

Reference

FCC: CFR Part 15.107(a).

A.2.1 Method of measurement

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. Tested in accordance with the procedures of ANSI C63.4 - 2014, section 7.3.

A.2.2 EUT Operating Mode

The MS is operating in the charging mode. During the test MS is connected to a charger in the case of charging mode.

A.2.3 Measurement Limit

| Frequency of emission (MHz) | Conducted limit (dBµV) | | | | | |
|--|------------------------|-----------|--|--|--|--|
| | 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 | | | | | | |

A.2.4 Test Condition in charging mode

| Voltage (V) | Frequency (Hz) |
|-------------|----------------|
| 120 | 60 |

| RBW/IF bandwidth | Sweep Time(s) |
|------------------|---------------|
| 9kHz | 1 |





A.2.5 Measurement Results

Measurement uncertainty: *U*=3.08dB, *k*=2.

Charger+MP3+GNSS + GSM850 idle, Set.1

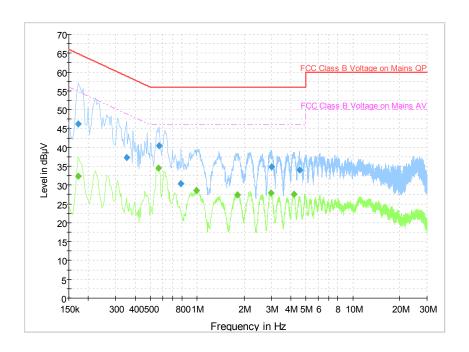


Figure A.11 Conducted Emission

Final Result 1

| Frequency (MHz) | QuasiPeak (dBµV) | Line | Corr. (dB) | Margin (dB) | Limit (dBµV) |
|--------------------|---------------------|------|---------------|----------------|-----------------|
| 0.172500 | 46.2 | L1 | 20.1 | 18.6 | 64.8 |
| 0.352500 | 37.3 | N | 19.9 | 21.6 | 58.9 |
| 0.568500 | 40.4 | N | 20.0 | 15.6 | 56.0 |
| 0.789000 | 30.3 | L1 | 20.0 | 25.7 | 56.0 |
| 3.021000 | 34.8 | N | 20.1 | 21.2 | 56.0 |
| 4.533000 | 34.0 | L1 | 20.7 | 22.0 | 56.0 |

Final Result 2

| Frequency (MHz) | CAverage (dBµV) | Line | Corr. (dB) | Margin (dB) | Limit (dBµV) |
|--------------------|--------------------|------|---------------|----------------|-----------------|
| 0.172500 | 32.3 | L1 | 20.1 | 22.6 | 54.8 |
| 0.564000 | 34.4 | N | 20.0 | 11.6 | 46.0 |
| 0.987000 | 28.6 | L1 | 19.8 | 17.4 | 46.0 |
| 1.806000 | 27.3 | N | 19.9 | 18.7 | 46.0 |
| 2.989500 | 27.9 | L1 | 20.3 | 18.1 | 46.0 |
| 4.173000 | 27.6 | N | 20.4 | 18.4 | 46.0 |





Charger+CAMERA + WCDMA850 idle, Set.2

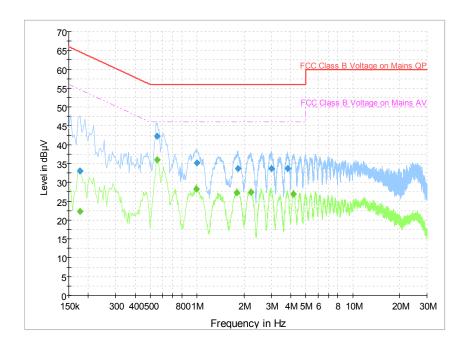


Figure A.12 Conducted Emission

Final Result 1

| Frequency | QuasiPeak | Line | Corr. | Margin | Limit |
|-----------|-----------|------|-------|--------|--------|
| (MHz) | (dBµV) | | (dB) | (dB) | (dBµV) |
| | | | | | |
| 0.177000 | 33.0 | L1 | 20.1 | 31.6 | 64.6 |
| 0.555000 | 42.3 | N | 20.0 | 13.7 | 56.0 |
| 0.996000 | 35.2 | L1 | 19.8 | 20.8 | 56.0 |
| 1.828500 | 33.7 | L1 | 20.0 | 22.3 | 56.0 |
| 3.016500 | 33.7 | L1 | 20.3 | 22.3 | 56.0 |
| 3.817500 | 33.7 | L1 | 20.5 | 22.3 | 56.0 |

Final Result 2

| Frequency (MHz) | CAverage (dΒμV) | Line | Corr. (dB) | Margin (dB) | Limit (dBµV) |
|--------------------|--------------------|------|---------------|----------------|-----------------|
| 0.177000 | 22.3 | L1 | 20.1 | 32.3 | 54.6 |
| 0.555000 | 36.0 | N | 20.0 | 10.0 | 46.0 |
| 0.987000 | 28.3 | N | 19.9 | 17.7 | 46.0 |
| 1.797000 | 27.2 | L1 | 20.0 | 18.8 | 46.0 |
| 2.211000 | 27.3 | L1 | 20.1 | 18.7 | 46.0 |
| 4.155000 | 27.0 | L1 | 20.6 | 19.0 | 46.0 |





USB mode +FM + LTE FDD Band 5, Set.3

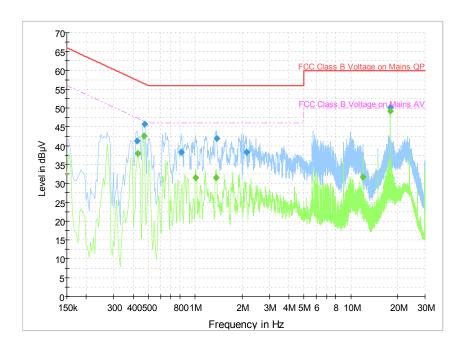


Figure A.13 Conducted Emission

Final Result 1

| Frequency (MHz) | QuasiPeak (dBµV) | Line | Corr. (dB) | Margin (dB) | Limit (dBµV) |
|--------------------|---------------------|------|---------------|----------------|-----------------|
| 0.424500 | 41.2 | N | 19.9 | 16.2 | 57.4 |
| 0.474000 | 45.7 | L1 | 20.1 | 10.7 | 56.4 |
| 0.811500 | 38.2 | L1 | 20.0 | 17.8 | 56.0 |
| 1.374000 | 41.9 | N | 19.9 | 14.1 | 56.0 |
| 2.139000 | 38.3 | N | 19.9 | 17.7 | 56.0 |
| 17.916000 | 50.1 | L1 | 24.8 | 9.9 | 60.0 |

Final Result 2

| Frequency | CAverage | Line | Corr. | Margin | Limit |
|-----------|----------|------|-------|--------|--------|
| (MHz) | (dBµV) | | (dB) | (dB) | (dBµV) |
| 0.429000 | 37.9 | L1 | 20.1 | 9.4 | 47.3 |
| 0.469500 | 42.6 | L1 | 20.1 | 3.9 | 46.5 |
| 1.009500 | 31.6 | N | 19.9 | 14.4 | 46.0 |
| 1.365000 | 31.5 | N | 19.9 | 14.5 | 46.0 |
| 11.944500 | 31.7 | N | 23.2 | 18.3 | 50.0 |
| 17.916000 | 49.2 | L1 | 24.8 | 0.9 | 50.0 |





ANNEX B: Persons involved in this testing

| Test Item | Tester |
|-------------------------------|-------------|
| Conducted Continuous Emission | Wang Huan |
| Radiated Continuous Emission | Yan Hanchen |

END OF REPORT