



## TEST REPORT

**Application No.:** GZCR2109021139AT  
**Applicant:** PAX Technology Limited  
**Address of Applicant:** Room 2416, 24/F., Sun Hung Kai Centre, 30 Harbour, Hong Kong, China  
**Manufacturer:** PAX Computer Technology(Shenzhen) Co., Ltd.  
**Address of Manufacturer:** 4/F, No.3 Building, Software Park, Second Central Science-Tech Road, High-Tech industrial Park, Shenzhen, Guangdong, P.R.C.  
**Equipment Under Test (EUT):**  
**EUT Name:** Mobile Payment Cell Phone  
**Model No.:** M50  
**Trade mark:** PAX  
**Standard(s) :** 47 CFR Part 2  
47 CFR Part 22 subpart H  
47 CFR Part 24 subpart E  
47 CFR Part 27 subpart C  
**Date of Receipt:** 2021-09-16  
**Date of Test:** 2021-09-17 to 2021-10-12  
**Date of Issue:** 2021-10-18

|                     |       |
|---------------------|-------|
| <b>Test Result:</b> | Pass* |
|---------------------|-------|

\* In the configuration tested, the EUT complied with the standards specified above.

Kobe Jian  
EMC Laboratory Manager



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Guangzhou Branch | Inspection & Testing Services | EEC Laboratory  
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# SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

EMC-TRF-01 Rev 1.0

Report No.: GZCR210902113906  
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| Revision Record |         |            |          |          |
|-----------------|---------|------------|----------|----------|
| Version         | Chapter | Date       | Modifier | Remark   |
| 01              |         | 2021-10-18 |          | Original |
|                 |         |            |          |          |
|                 |         |            |          |          |

| Authorized for issue by |  |                           |  |
|-------------------------|--|---------------------------|--|
|                         |  | Curry Wu/Project Engineer |  |
|                         |  | Ricky Liu/Reviewer        |  |



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## 2 Test Summary

| Test Item                            | FCC Rule No.                                 | Requirements | Verdict |
|--------------------------------------|--|--------------|---------|
| Field strength of spurious radiation | §2.1051,<br>§22.917,<br>§24.238<br>§27.53(h) | ≤ -13dBm     | PASS    |

**Note:**

E.U.T./EUT means Equipment Under Test.

Pass means the test result passed the test standard requirement, please find the detailed decision rule in the report relative section.

Remark: This report is only valid with SZEM201201302807, by comparison with previous report, this report just changed as below:

1. The middle frame changed from rounded corners to right angles.
2. Power key and volume key position changed.
3. The material of battery cover changed from plastic to glass.

Considering the difference above, Field strength of spurious radiation was re-tested.

For other test data, please refer to previous report.



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## 4 General Information

### 4.1 Details of E.U.T.

|                              |  |
|------------------------------|--|
| Power supply:                | DC3.85V by li-ion battery(3020mAh)   |
|                              | Recharged by power adapter   |
|                              | Adapter M/N: SW-0983   |
|                              | Adapter input: AC100-240V, 50/60Hz, 0.5A   |
|                              | Adapter output: DC5V/2A  |
| Cable(s):                    | USB type C cable: 1m shielded cable without ferrite core   |
| Sample Type:                 | Portable production  |
| Support Network:             | RMC, HSDPA, HSUPA  |
| Operation Frequency Band:    | UMTS FDD Band II/IV/V  |
| Modulation Type:             | QPSK for WCDMA   |
| Supported Channel Bandwidth: | 5MHz for WCDMA   |
| UMTS Power Class:            | Level 3  |
| Antenna Type:                | PIFA antenna   |
| Antenna Gain:                | WCDMA band II: 1dBi; band IV: 1dBi; band V: 0.5dBi   |
| SIM Card:                    | This device has dual SIM Card sockets. Both the SIM sockets have been tested. SIM1 was worst case, only record SIM1. |
| Extreme temp. Tolerance:     | -30°C to +50°C   |
| Extreme vol. Limits:         | 3.4VDC to 4.4VDC (nominal: 3.85VDC)  |
| Firmware Version:            | 15.1.01  |
| Hardware Version:            | M50  |
| SN                           | 2250000695   |



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## 4.2 Test Frequency

| Test Mode     | TX/RX | RF Channel   |              |              |
|---------------|-------|--------------|--------------|--------------|
|               |       | Low(L)       | Middle (M)   | High (H)     |
| WCDMA Band V  | TX    | Channel 4132 | Channel 4183 | Channel 4233 |
|               |       | 826.4 MHz    | 836.6 MHz    | 846.6 MHz    |
|               | RX    | Channel 4357 | Channel 4407 | Channel 4458 |
|               |       | 871.4 MHz    | 881.4 MHz    | 891.6 MHz    |
| Test Mode     | TX/RX | RF Channel   |              |              |
|               |       | Low(L)       | Middle (M)   | High (H)     |
| WCDMA Band IV | TX    | Channel 1312 | Channel 1413 | Channel 1513 |
|               |       | 1712.4 MHz   | 1732.6 MHz   | 1752.6 MHz   |
|               | RX    | Channel 1537 | Channel 1638 | Channel 1738 |
|               |       | 2112.4       | 2132.6MHz    | 2152.6MHz    |
| Test Mode     | TX/RX | RF Channel   |              |              |
|               |       | Low(L)       | Middle (M)   | High (H)     |
| WCDMA Band II | TX    | Channel 9262 | Channel 9400 | Channel 9538 |
|               |       | 1852.4 MHz   | 1880.0 MHz   | 1907.6 MHz   |
|               | RX    | Channel 9662 | Channel 9800 | Channel 9938 |
|               |       | 1932.4 MHz   | 1960.0 MHz   | 1987.6 MHz   |

## 4.3 Test Environment

| Environment Parameter | Selected Values During Tests |        |
|-----------------------|------------------------------|--------|
| Relative Humidity     | 52%                          |        |
| Atmospheric Pressure: | 1015Pa                       |        |
| Temperature:          | TL                           | -30°C  |
|                       | TN                           | +20°C  |
|                       | TH                           | +50°C  |
| Voltage:              | VL                           | 3.4 V  |
|                       | VN                           | 3.85 V |
|                       | VH                           | 4.4 V  |

NOTE: VL= lower extreme test voltage

VN= nominal voltage

VH= upper extreme test voltage

TL= lower extreme test temperature

TN= normal temperature

TH= upper extreme test temperature

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#### 4.4 Description of Support Units

The EUT has been tested independent unit.

#### 4.5 Measurement Uncertainty

| No. | Item                            | Measurement Uncertainty |
|-----|---------------------------------|-------------------------|
| 1   | Radiated Spurious emission test | 5.14dB (below 1GHz)     |
|     |                                 | 5.08dB (above 1GHz)     |
| 2   | Temperature test                | 1°C                     |
| 3   | Humidity test                   | 3%                      |
| 4   | Supply voltages                 | 1.5%                    |
| 5   | Time                            | 3%                      |

#### 4.6 Test Location

All tests were performed at:

SGS-CSTC Standards Technical Services Co., Ltd., Guangzhou Branch EMC Laboratory,  
198 Kezhu Road, Scientech Park, Guangzhou Economic & Technology Development District,  
Guangzhou, China 510663

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No tests were sub-contracted.



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## 4.7 Test Facility

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

- **NVLAP (Lab Code: 200611-0)**

SGS-CSTC Standards Technical Services Co., Ltd., Guangzhou EMC Laboratory is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP/NIST). NVLAP Code: 200611-0.

The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government.

- **ACMA**

SGS-CSTC Standards Technical Services Co., Ltd., EMC Laboratory can also perform testing for the Australian/New Zealand Regulatory Compliance Mark (RCM).

- **SGS UK(Certificate No.: 32), SGS-TUV SAARLAND and SGS-FIMKO**

Have approved SGS-CSTC Standards Technical Services Co., Ltd., EMC Laboratory as a supplier of EMC TESTING SERVICES and SAFETY TESTING SERVICES.

- **CNAS (Lab Code: L0167)**

SGS-CSTC Standards Technical Services Co., Ltd., EMC Laboratory has been assessed and in compliance with CNAS-CL01:2018 accreditation criteria for testing laboratories (identical to ISO/IEC 17025:2017 General Requirements) for the Competence of Testing Laboratories.

- **FCC Recognized Accredited Test Firm(Registration No.: 486818)**

SGS-CSTC Standards Technical Services Co., Ltd., EMC Laboratory has been accredited and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Designation Number: CN5016, Test Firm Registration Number: 486818.

- **ISED (Registration No.: 4620B, CAB identifier: CN0052)**

SGS-CSTC Standards Technical Services Co., Ltd., has been registered by Innovation Science and Economic Development Canada for Wireless Device Testing laboratories to test to Canadian radio equipment requirements. Registration No. 4620B, CAB identifier: CN0052.

- **VCCI (Registration No.: R-12460, C-12584, G-20107 and T-11179)**

The 10m Semi-anechoic chamber, 966 Anechoic Chamber and Shielded Room of SGS-CSTC Standards Technical Services Co., Ltd. have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: R-12460, C-12584, G-20107 and T-11179 respectively.

- **CBTL (Lab Code: TL129)**

SGS-CSTC Standards Technical Services Co., Ltd., E&E Laboratory has been assessed and fully comply with the requirements of ISO/IEC 17025:2017, the Basic Rules, IEC60061 and Rules of procedure IEC60062, and the relevant IEC60065 CB-Scheme Operational documents.

## 4.8 Deviation from Standards

None

## 4.9 Abnormalities from Standard Conditions

None



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## 5 Equipment List

| RE in Chamber(below 1GHz)                   |                             |               |               |                          |                          |
|---|-----------------------------|---------------|---------------|--------------------------|--------------------------|
| Test Equipment                              | Manufacturer                | Model No.     | Inventory No. | Cal. Date                | Cal. Due date            |
| Chamber cable                               | HangTianXing                | N/A           | EMC0542       | 2020-09-09               | 2022-09-08               |
| Trilog Broadband Antenna(25MHz-1GHz)-Lab    | SCHWARZBECK MESS-ELEKTRONIK | VULB 9168     | SEM003-18     | 2019-02-22               | 2022-02-22               |
| Amplifier(9kHz-1.3GHz)                      | HP                          | 8447F         | EMC2065       | 2021-05-19               | 2022-05-18               |
| 10m Semi-Anechoic Chamber                   | ETS                         | N/A           | EMC0530       | 2019-10-20               | 2022-10-19               |
| Test Software E3                            | Audix                       | Ver.6.120110a | GZE100-61     | N/A                      | N/A                      |
| EMI Test Receiver(1Hz-8GHz)                 | Rohde & Schwarz             | ESW8          | EMC2220       | 2021-05-26               | 2022-05-25               |
| Chamber cable                               | HangTianXing                | N/A           | EMC0542       | 2020-09-09               | 2022-09-08               |
| Trilog Broadband Antenna(25MHz-1GHz)        | SCHWARZBECK                 | VULB 9160     | EMC2025       | 2020-09-24               | 2023-09-23               |
| Signal Generator (10MHz-20GHz)              | Rohde & Schwarz             | SMR20         | EMC0516       | 2021-01-11               | 2022-01-10               |
| Wideband Radio Communication Tester(CMW500) | R&S                         | CMW500        | EMC2215       | 2020-09-20<br>2021-09-19 | 2021-09-19<br>2022-09-18 |

| RE in Chamber(above 1GHz)                   |                             |               |               |            |               |
|---|-----------------------------|---------------|---------------|------------|---------------|
| Test Equipment                              | Manufacturer                | Model No.     | Inventory No. | Cal. Date  | Cal. Due date |
| Chamber cable(Above 1GHz)                   | Scoflex                     | KMKM-8.0m     | EMC0545       | 2020-09-09 | 2022-09-08    |
| Horn Antenna(1GHz-18GHz)                    | SCHWARZBECK MESS-ELEKTRONIK | BBHA 9120D    | EMC2026       | 2019-09-25 | 2022-09-24    |
| 1GHz-26.5 GHz Pre-Amplifier                 | Agilent                     | 8449B         | EMC0521       | 2021-01-08 | 2022-01-07    |
| 966 Anechoic Chamber                        | C.R.T                       | 9m x 6m x 6m  | EMC2142       | 2020-12-20 | 2023-12-19    |
| EXA Signal Analyzer(10Hz-44GHz)             | Keysight                    | N9010A        | EMC2138       | 2021-09-16 | 2022-09-15    |
| Test Software E3                            | Audix                       | Ver.6.120110a | GZE100-61     | N/A        | N/A           |
| Horn Antenna(14-40GHz)                      | SCHWARZBECK                 | BBHA 9170     | EMC2041       | 2020-06-28 | 2023-06-27    |
| Microwave Broadband Preamplifier (18-40GHz) | SCHWARZBECK                 | BBV 9721      | EMC2172       | 2021-09-08 | 2022-09-07    |

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|   |                             |            |         |            |            |
|---|-----------------------------|------------|---------|------------|------------|
| Wideband Radio Communication Tester(CMW500) | R&S                         | CMW500     | EMC2215 | 2020-09-20 | 2021-09-19 |
|   |                             |            |         | 2021-09-19 | 2022-09-18 |
| Substitution Antenna                        | SCHWARZBECK MESS-ELEKTRONIK | BBHA 9120D | EMC2026 | 2019-09-25 | 2022-09-24 |
| Signal Generator (10MHz-20GHz)              | Rohde & Schwarz             | SMR20      | EMC0516 | 2021-01-11 | 2022-01-10 |

**General used equipment**

| Equipment | Manufacturer | Model No | Inventory No | Cal Date   | Cal Due Date |
|-----------|--------------|----------|--------------|------------|--------------|
| DMM       | Fluke        | 73       | EMC0006      | 2021-07-05 | 2022-07-05   |
| DMM       | Fluke        | 73       | EMC0007      | 2021-07-05 | 2022-07-05   |

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## 6 Radio Spectrum Matter Test Results

### 6.1 Field strength of spurious radiation

Test Requirement: §2.1051, §22.917, §24.238, §27.53(h)

Test Method: ANSI C63.26, KDB 971168 D01 v03

Limit:  $\leq -13\text{dBm}$

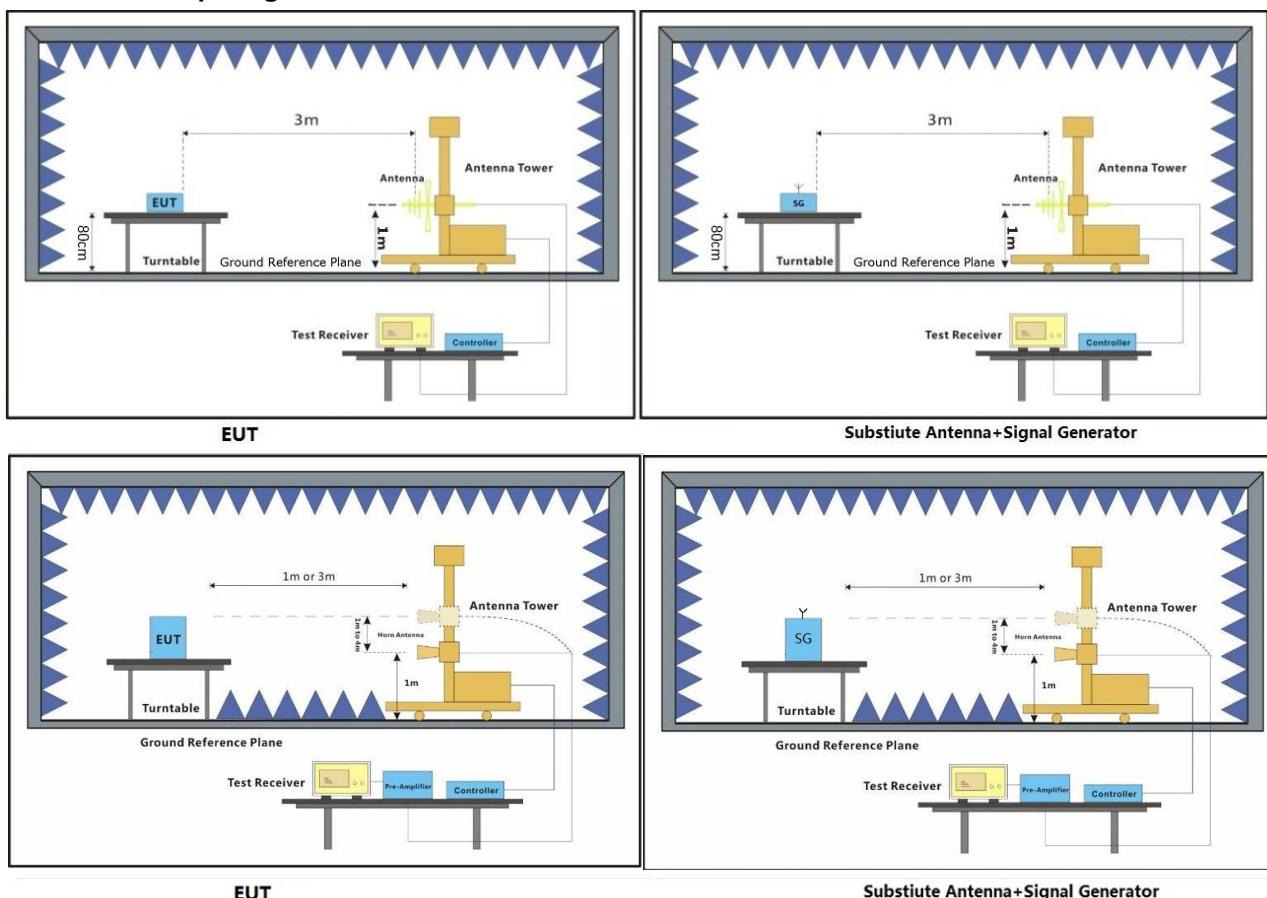
#### 6.1.1 E.U.T. Operation

Operating Environment:

Temperature: 19.5 °C      Humidity: 45.5 % RH      Atmospheric Pressure: 1010 mbar

Test mode: 17: TX mode\_Keep the EUT in transmitting mode

#### 6.1.2 Test Setup Diagram



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**6.1.3 Measurement Procedure and Data****Test Procedure:**

- (1)On a test site, the EUT shall be placed on a turntable and in the position closest to the normal use as declared by the user.
- (2)The test antenna shall be oriented initially for vertical polarization located 3m from the EUT to correspond to the transmitter.
- (3)The output of the antenna shall be connected to the measuring receiver and either a peak or quasi-peak detector was used for the measurement as indicated on the report. The detector selection is based on how close the emission level was approaching the limit.
- (4)The transmitter shall be switched on; if possible, without the modulation and the measurement receiver shall be tuned to the frequency of the transmitter under test.
- (5)The test antenna shall be raised and lowered through the specified range of height until the measuring receiver detects a maximum signal level.
- (6)The transmitter shall then be rotated through 360° in the horizontal plane, until the maximum signal level is detected by the measuring receiver.
- (7)The test antenna shall be raised and lowered again through the specified range of height until the measuring receiver detects a maximum signal level.
- (8)The maximum signal level detected by the measuring receiver shall be noted.
- (9)The measurement shall be repeated with the test antenna set to horizontal polarization.
- (10) Replace the antenna with a proper Antenna (substitution antenna).
- (11)The substitution antenna shall be oriented for vertical polarization and, if necessary, the length of the substitution antenna shall be adjusted to correspond to the frequency of transmitting.
- (12)The substitution antenna shall be connected to a calibrated signal generator.
- (13)If necessary, the input attenuator setting of the measuring receiver shall be adjusted in order to increase the sensitivity of the measuring receiver.
- (14)The test antenna shall be raised and lowered through the specified range of the height to ensure that the maximum signal is received.
- (15)The input signal to substitution antenna shall be adjusted to the level that produces a level detected by the measuring receiver, that is equal to the level noted while the transmitter radiated power was measured, corrected for the change of input attenuation setting of the measuring receiver.
- (16)The input level to the substitution antenna shall be recorded as power level in dBm, corrected for any change of input attenuator setting of the measuring receiver.
- (17)The measurement shall be repeated with the test antenna and the substitution antenna oriented for horizontal polarization.



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| WCDMA BAND V-Low channel |            |            |                 |                  |                 |                    |                    |        |
|--------------------------|------------|------------|-----------------|------------------|-----------------|--------------------|--------------------|--------|
| Frequency (MHz)          | EIRP (dBm) | Limit(dBm) | Over Limit (dB) | S.G. Power (dBm) | Cable loss (dB) | Antenna Gain (dBi) | Polarization (H/V) | Result |
| 1652.8                   | -59.18     | -13        | -46.18          | -64.35           | 3.33            | 8.5                | Horizontal         | Pass   |
| 2479.2                   | -55.33     | -13        | -42.33          | -62.33           | 3.4             | 10.4               | Horizontal         | Pass   |
| 3305.6                   | -51.22     | -13        | -38.22          | -59.73           | 2.99            | 11.5               | Horizontal         | Pass   |
| 1652.8                   | -59.05     | -13        | -46.05          | -64.22           | 3.33            | 8.5                | Vertical           | Pass   |
| 2479.2                   | -55.48     | -13        | -42.48          | -62.48           | 3.4             | 10.4               | Vertical           | Pass   |
| 3305.6                   | -51.36     | -13        | -38.36          | -59.87           | 2.99            | 11.5               | Vertical           | Pass   |

| WCDMA BAND V-Middle channel |            |            |                 |                  |                 |                    |                    |        |
|-----------------------------|------------|------------|-----------------|------------------|-----------------|--------------------|--------------------|--------|
| Frequency (MHz)             | EIRP (dBm) | Limit(dBm) | Over Limit (dB) | S.G. Power (dBm) | Cable loss (dB) | Antenna Gain (dBi) | Polarization (H/V) | Result |
| 1672.8                      | -58.42     | -13        | -45.42          | -63.59           | 3.33            | 8.5                | Horizontal         | Pass   |
| 2509.2                      | -55.22     | -13        | -42.22          | -62.61           | 3.21            | 10.6               | Horizontal         | Pass   |
| 3345.6                      | -51.89     | -13        | -38.89          | -60.4            | 2.99            | 11.5               | Horizontal         | Pass   |
| 1672.8                      | -57.85     | -13        | -44.85          | -63.02           | 3.33            | 8.5                | Vertical           | Pass   |
| 2509.2                      | -53.52     | -13        | -40.52          | -60.91           | 3.21            | 10.6               | Vertical           | Pass   |
| 3345.6                      | -50.99     | -13        | -37.99          | -59.5            | 2.99            | 11.5               | Vertical           | Pass   |

| WCDMA BAND V-High channel |            |            |                 |                  |                 |                    |                    |        |
|---------------------------|------------|------------|-----------------|------------------|-----------------|--------------------|--------------------|--------|
| Frequency (MHz)           | EIRP (dBm) | Limit(dBm) | Over Limit (dB) | S.G. Power (dBm) | Cable loss (dB) | Antenna Gain (dBi) | Polarization (H/V) | Result |
| 1693.2                    | -58.94     | -13        | -45.94          | -64.11           | 3.33            | 8.5                | Horizontal         | Pass   |
| 2539.8                    | -55.98     | -13        | -42.98          | -63.37           | 3.21            | 10.6               | Horizontal         | Pass   |
| 3386.4                    | -49.94     | -13        | -36.94          | -58.45           | 2.99            | 11.5               | Horizontal         | Pass   |
| 1693.2                    | -58.04     | -13        | -45.04          | -63.21           | 3.33            | 8.5                | Vertical           | Pass   |
| 2539.8                    | -56.12     | -13        | -43.12          | -63.51           | 3.21            | 10.6               | Vertical           | Pass   |
| 3386.4                    | -51.21     | -13        | -38.21          | -59.72           | 2.99            | 11.5               | Vertical           | Pass   |

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| WCDMA Band II-Low channel |            |            |                 |                  |                 |                    |                    |        |
|---------------------------|------------|------------|-----------------|------------------|-----------------|--------------------|--------------------|--------|
| Frequency (MHz)           | EIRP (dBm) | Limit(dBm) | Over Limit (dB) | S.G. Power (dBm) | Cable loss (dB) | Antenna Gain (dBi) | Polarization (H/V) | Result |
| 3704.8                    | -50.95     | -13        | -37.95          | -60.63           | 2.92            | 12.6               | Horizontal         | Pass   |
| 5557.2                    | -46.57     | -13        | -33.57          | -56.52           | 3.15            | 13.1               | Horizontal         | Pass   |
| 7409.6                    | -43.62     | -13        | -30.62          | -51.92           | 3.4             | 11.7               | Horizontal         | Pass   |
| 3704.8                    | -50.65     | -13        | -37.65          | -60.33           | 2.92            | 12.6               | Vertical           | Pass   |
| 5557.2                    | -46.52     | -13        | -33.52          | -56.47           | 3.15            | 13.1               | Vertical           | Pass   |
| 7409.6                    | -44        | -13        | -31             | -52.3            | 3.4             | 11.7               | Vertical           | Pass   |

| WCDMA Band II-Middle channel |            |            |                 |                  |                 |                    |                    |        |
|------------------------------|------------|------------|-----------------|------------------|-----------------|--------------------|--------------------|--------|
| Frequency (MHz)              | EIRP (dBm) | Limit(dBm) | Over Limit (dB) | S.G. Power (dBm) | Cable loss (dB) | Antenna Gain (dBi) | Polarization (H/V) | Result |
| 3760                         | -50.91     | -13        | -37.91          | -60.59           | 2.92            | 12.6               | Horizontal         | Pass   |
| 5640                         | -48.18     | -13        | -35.18          | -58.13           | 3.15            | 13.1               | Horizontal         | Pass   |
| 7520                         | -44.6      | -13        | -31.6           | -52.15           | 3.85            | 11.4               | Horizontal         | Pass   |
| 3760                         | -50.96     | -13        | -37.96          | -60.64           | 2.92            | 12.6               | Vertical           | Pass   |
| 5640                         | -46.49     | -13        | -33.49          | -56.44           | 3.15            | 13.1               | Vertical           | Pass   |
| 7520                         | -44.48     | -13        | -31.48          | -52.03           | 3.85            | 11.4               | Vertical           | Pass   |

| WCDMA Band II-High channel |            |            |                 |                  |                 |                    |                    |        |
|----------------------------|------------|------------|-----------------|------------------|-----------------|--------------------|--------------------|--------|
| Frequency (MHz)            | EIRP (dBm) | Limit(dBm) | Over Limit (dB) | S.G. Power (dBm) | Cable loss (dB) | Antenna Gain (dBi) | Polarization (H/V) | Result |
| 3815.2                     | -50.29     | -13        | -37.29          | -59.97           | 2.92            | 12.6               | Horizontal         | Pass   |
| 5722.8                     | -47.36     | -13        | -34.36          | -57.31           | 3.15            | 13.1               | Horizontal         | Pass   |
| 7630.4                     | -43.92     | -13        | -30.92          | -51.47           | 3.85            | 11.4               | Horizontal         | Pass   |
| 3815.2                     | -49.86     | -13        | -36.86          | -59.54           | 2.92            | 12.6               | Vertical           | Pass   |
| 5722.8                     | -46.06     | -13        | -33.06          | -56.01           | 3.15            | 13.1               | Vertical           | Pass   |
| 7630.4                     | -45.12     | -13        | -32.12          | -52.67           | 3.85            | 11.4               | Vertical           | Pass   |

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| WCDMA Band IV-Low channel |            |            |                 |                  |                 |                    |                    |        |
|---------------------------|------------|------------|-----------------|------------------|-----------------|--------------------|--------------------|--------|
| Frequency (MHz)           | EIRP (dBm) | Limit(dBm) | Over Limit (dB) | S.G. Power (dBm) | Cable loss (dB) | Antenna Gain (dBi) | Polarization (H/V) | Result |
| 3424.8                    | -50.66     | -13        | -37.66          | -59.17           | 2.99            | 11.5               | Horizontal         | Pass   |
| 5137.2                    | -45.26     | -13        | -32.26          | -54.96           | 3               | 12.7               | Horizontal         | Pass   |
| 6849.6                    | -46.65     | -13        | -33.65          | -56.07           | 3.08            | 12.5               | Horizontal         | Pass   |
| 3424.8                    | -51.17     | -13        | -38.17          | -59.68           | 2.99            | 11.5               | Vertical           | Pass   |
| 5137.2                    | -45.41     | -13        | -32.41          | -55.11           | 3               | 12.7               | Vertical           | Pass   |
| 6849.6                    | -45.56     | -13        | -32.56          | -54.98           | 3.08            | 12.5               | Vertical           | Pass   |

| WCDMA Band IV-Middle channel |            |            |                 |                  |                 |                    |                    |        |
|------------------------------|------------|------------|-----------------|------------------|-----------------|--------------------|--------------------|--------|
| Frequency (MHz)              | EIRP (dBm) | Limit(dBm) | Over Limit (dB) | S.G. Power (dBm) | Cable loss (dB) | Antenna Gain (dBi) | Polarization (H/V) | Result |
| 3465.2                       | -50.41     | -13        | -37.41          | -58.92           | 2.99            | 11.5               | Horizontal         | Pass   |
| 5197.8                       | -46.08     | -13        | -33.08          | -55.78           | 3               | 12.7               | Horizontal         | Pass   |
| 6930.4                       | -46.04     | -13        | -33.04          | -55.46           | 3.08            | 12.5               | Horizontal         | Pass   |
| 3465.2                       | -49.88     | -13        | -36.88          | -58.39           | 2.99            | 11.5               | Vertical           | Pass   |
| 5197.8                       | -46.7      | -13        | -33.7           | -56.4            | 3               | 12.7               | Vertical           | Pass   |
| 6930.4                       | -45.15     | -13        | -32.15          | -54.57           | 3.08            | 12.5               | Vertical           | Pass   |

| WCDMA Band IV-High channel |            |            |                 |                  |                 |                    |                    |        |
|----------------------------|------------|------------|-----------------|------------------|-----------------|--------------------|--------------------|--------|
| Frequency (MHz)            | EIRP (dBm) | Limit(dBm) | Over Limit (dB) | S.G. Power (dBm) | Cable loss (dB) | Antenna Gain (dBi) | Polarization (H/V) | Result |
| 3505.2                     | -50.1      | -13        | -37.1           | -59.78           | 2.92            | 12.6               | Horizontal         | Pass   |
| 5257.8                     | -46.86     | -13        | -33.86          | -56.56           | 3               | 12.7               | Horizontal         | Pass   |
| 7010.4                     | -45.04     | -13        | -32.04          | -53.34           | 3.4             | 11.7               | Horizontal         | Pass   |
| 3505.2                     | -49.85     | -13        | -36.85          | -59.53           | 2.92            | 12.6               | Vertical           | Pass   |
| 5257.8                     | -46.15     | -13        | -33.15          | -55.85           | 3               | 12.7               | Vertical           | Pass   |
| 7010.4                     | -44.35     | -13        | -31.35          | -52.65           | 3.4             | 11.7               | Vertical           | Pass   |

Note:

All modes have been tested and we found RMC Test mode has the worst test result. Only record the worst test result.

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## 7 Photographs

### 7.1 Test Setup Photos

Refer to Appendix - Setup Photos-WWAN for GZCR2109021139AT

### 7.2 EUT Constructional Details (EUT Photos)

Refer to Appendix - External and Internal Photos for GZCR2109021139AT

- End of the Report -



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