

|                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                      |                                      |                                                     |                                                                                       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|-----------------------------------------------------|---------------------------------------------------------------------------------------|
| <b>Prüfbericht-Nr.:</b><br>Test report no.:                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>CN25VB84 003</b>                                                                                                                  | <b>Auftrags-Nr.:</b><br>Order no.:   | 168546617                                           | Seite 1 von 11<br>Page 1 of 11                                                        |
| <b>Kunden-Referenz-Nr.:</b><br>Client reference no.:                                                                                                                                                                                                                                                                                                                                                                                                          | N/A                                                                                                                                  | <b>Auftragsdatum:</b><br>Order date: | 2025-04-03                                          |                                                                                       |
| <b>Auftraggeber:</b><br>Client:                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>INTECHFLOOR SA</b><br>Place de la Gare 10, 1003 Lausanne, Switzerland                                                             |                                      |                                                     |                                                                                       |
| <b>Prüfgegenstand:</b><br>Test item:                                                                                                                                                                                                                                                                                                                                                                                                                          | Gateway                                                                                                                              |                                      |                                                     |                                                                                       |
| <b>Bezeichnung / Typ-Nr.:</b><br>Identification / Type no.:                                                                                                                                                                                                                                                                                                                                                                                                   | M2G10-US<br>(Trademark:  )                          |                                      |                                                     |                                                                                       |
| <b>Auftrags-Inhalt:</b><br>Order content:                                                                                                                                                                                                                                                                                                                                                                                                                     | Test Report                                                                                                                          |                                      |                                                     |                                                                                       |
| <b>Prüfgrundlage:</b><br>Test specification:                                                                                                                                                                                                                                                                                                                                                                                                                  | CFR Title 47 FCC Part 2.1091<br>RSS-102 Issue 6 December 15, 2023                                                                    |                                      |                                                     |                                                                                       |
| <b>Wareneingangsdatum:</b><br>Date of sample receipt:                                                                                                                                                                                                                                                                                                                                                                                                         | 2025-05-29                                                                                                                           | Please refer to Photo Document       |                                                     |                                                                                       |
| <b>Prüfmuster-Nr.:</b><br>Test sample no.:                                                                                                                                                                                                                                                                                                                                                                                                                    | A004006570-001-014                                                                                                                   |                                      |                                                     |                                                                                       |
| <b>Prüfzeitraum:</b><br>Testing period:                                                                                                                                                                                                                                                                                                                                                                                                                       | 2025-05-29 - 2025-06-30                                                                                                              |                                      |                                                     |                                                                                       |
| <b>Ort der Prüfung:</b><br>Place of testing:                                                                                                                                                                                                                                                                                                                                                                                                                  | TÜV Rheinland<br>(Shenzhen) Co., Ltd.                                                                                                |                                      |                                                     |                                                                                       |
| <b>Prüflaboratorium:</b><br>Testing laboratory:                                                                                                                                                                                                                                                                                                                                                                                                               | TÜV Rheinland<br>(Shenzhen) Co., Ltd.                                                                                                |                                      |                                                     |                                                                                       |
| <b>Prüfergebnis*:</b><br>Test result*:                                                                                                                                                                                                                                                                                                                                                                                                                        | Pass                                                                                                                                 |                                      |                                                     |                                                                                       |
| <b>geprüft von:</b><br>tested by:                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                   |                                      | <b>genehmigt von:</b><br>authorized by:             |  |
| <b>Datum:</b><br>Date: 2025-09-16                                                                                                                                                                                                                                                                                                                                                                                                                             | Signed by: Jonathan Li                                                                                                               |                                      | <b>Ausstellungsdatum:</b><br>Issue date: 2025-09-16 | Signed by: Bell Hu                                                                    |
| <b>Stellung / Position:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                   | Sachverständige(r)/Expert                                                                                                            |                                      | <b>Stellung / Position:</b>                         | Sachverständige(r)/Expert                                                             |
| <b>Sonstiges / Other:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                     | FCC ID: 2BOXQ-M2US<br>IC: 33874-M2US HVIN: M2G10-US<br>Contains FCC ID: XMR2023EG912UGL,<br>IC: 10224A-2023EG912UGL                  |                                      |                                                     |                                                                                       |
| <b>Zustand des Prüfgegenstandes bei Anlieferung:</b><br>Condition of the test item at delivery:                                                                                                                                                                                                                                                                                                                                                               | Prüfmuster vollständig und unbeschädigt<br>Test item complete and undamaged                                                          |                                      |                                                     |                                                                                       |
| * Legende:                                                                                                                                                                                                                                                                                                                                                                                                                                                    | P(ass) = entspricht o.g. Prüfgrundlage(n) F(ail) = entspricht nicht o.g. Prüfgrundlage(n) N/A = nicht anwendbar N/T = nicht getestet |                                      |                                                     |                                                                                       |
| * Legend:                                                                                                                                                                                                                                                                                                                                                                                                                                                     | P(ass) = passed a.m. test specification(s) F(ail) = failed a.m. test specification(s) N/A = not applicable N/T = not tested          |                                      |                                                     |                                                                                       |
| <b>Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens.</b><br>This test report only relates to the above mentioned test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark. |                                                                                                                                      |                                      |                                                     |                                                                                       |

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**Test report no.:**

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**Anmerkungen**  
*Remarks*

|   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | <p>Alle eingesetzten Prüfmittel waren zum angegebenen Prüfzeitraum gemäß eines festgelegten Kalibrierungsprogramms unseres Prüfhauses kalibriert. Sie entsprechen den in den Prüfprogrammen hinterlegten Anforderungen. Die Rückverfolgbarkeit der eingesetzten Prüfmittel ist durch die Einhaltung der Regelungen unseres Managementsystems gegeben.<br/>Detaillierte Informationen bezüglich Prüfbedingungen, Prüfequipment und Messunsicherheiten sind im Prüflabor vorhanden und können auf Wunsch bereitgestellt werden.</p> <p><i>The equipment used during the specified testing period was calibrated according to our test laboratory calibration program. The equipment fulfils the requirements included in the relevant standards. The traceability of the test equipment used is ensured by compliance with the regulations of our management system. Detailed information regarding test conditions, equipment and measurement uncertainty is available in the test laboratory and could be provided on request.</i></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
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| 3 | <p>Prüfklausel mit der Note * wurden an qualifizierte Unterauftragnehmer vergeben und sind unter der jeweiligen Prüfklausel des Berichts beschrieben.<br/>Abweichungen von Prüfspezifikation(en) oder Kundenanforderungen sind in der jeweiligen Prüfklausel im Bericht aufgeführt.</p> <p><i>Test clauses with remark of * are subcontracted to qualified subcontractors and described under the respective test clause in the report.</i><br/><i>Deviations of testing specification(s) or customer requirements are listed in specific test clause in the report.</i></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 4 | <p>Die Entscheidungsregel für Konformitätserklärungen basierend auf numerischen Messergebnissen in diesem Prüfbericht basiert auf der "Null-Grenzwert-Regel" und der "Einfachen Akzeptanz" gemäß ILAC G8:2019 und IEC Guide 115:2023, es sei denn, in der auf Seite 1 dieses Berichts genannten angewandten Norm ist etwas anderes festgelegt oder vom Kunden gewünscht. Dies bedeutet, dass die Messunsicherheit nicht berücksichtigt wird und daher auch nicht im Prüfbericht angegeben wird. Zu weiteren Informationen bezüglich des Risikos durch diese Entscheidungsregel siehe ILAC G8:2019.</p> <p><i>The decision rule for statements of conformity, based on numerical measurement results, in this test report is based on the "Zero Guard Band Rule" and "Simple Acceptance" in accordance with ILAC G8:2019 and IEC Guide 115:2023, unless otherwise specified in the applied standard mentioned on Page 1 of this report or requested by the customer. This means that measurement uncertainty is not taken in account and hence also not declared in the test report. For additional information to the resulting risk based of this decision rule please refer to ILAC G8:2019.</i></p>                                                                                                                                                                                                                                                                                       |

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## Test Summary

**3.1.1 RF EXPOSURE COMPLIANCE**  
*RESULT: Pass*

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## 1. Test Sites

### 1.1 Test Facilities

**TÜV Rheinland (Shenzhen) Co., Ltd.**

2-3F, 101 & 102, No.2, Nuclear Power Industrial Park, Fuming Community, Fucheng Street,  
Longhua District, Shenzhen 518000, People's Republic of China

A2LA Cert. No.: 5162.01

### 1.2 Traceability

All measurement equipment calibrations are traceable to NIST or where calibration is performed outside the United States, to equivalent nationally recognized standards organizations.

### 1.3 Calibration

Equipment requiring calibration is calibrated periodically by the manufacturer or according to manufacturer's specifications. Additionally all equipment is verified for proper performance on a regular basis using in house standards or comparisons.

### 1.4 Location of Original Data

The original copies of all test data taken during actual testing were attached at Appendixes of this report and delivered to the applicant. A copy has been retained in the TÜV Rheinland (Shenzhen) file for certification follow-up purposes.

### 1.5 Status of Facility Used for Testing

The TÜV Rheinland (Shenzhen) Co., Ltd. facility located at 2-3F, 101 & 102, No.2, Nuclear Power Industrial Park, Fuming Community, Fucheng Street, Longhua District, Shenzhen 518000, People's Republic of China is listed on the US Federal Communications Commission list of facilities approved to perform measurements.

## 2. General Product Information

### 2.1 Product Function and Intended Use

The EUT (equipment under test) is a Counting Mat. It supports 2.4GHz Wi-Fi and GSM/LTE functions. This product contains LTE module "EG912U-GL" (FCC ID: XMR2023EG912UGL, IC: 10224A-024EG912UGL).

For details refer to the User Manual, Technical Description and Circuit Diagram.

### 2.2 Rating and System details

**Table 1: Rating of EUT**

| General Information of EUT                     | Value                                                                                                                                                                                                                                                                                                             |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Kind of Equipment:                             | Gateway                                                                                                                                                                                                                                                                                                           |
| Type Designation:                              | M2G10                                                                                                                                                                                                                                                                                                             |
| FCC ID:                                        | 2BOXQ-M2US                                                                                                                                                                                                                                                                                                        |
| IC:                                            | 33874-M2US                                                                                                                                                                                                                                                                                                        |
| PMN:                                           | Gateway                                                                                                                                                                                                                                                                                                           |
| HVIN:                                          | M2G10-US                                                                                                                                                                                                                                                                                                          |
| Operating Voltage:                             | AC 120V/60Hz                                                                                                                                                                                                                                                                                                      |
| Operating Temperature Range:                   | 0°C ~ +50 °C                                                                                                                                                                                                                                                                                                      |
| <b>Technical Specification of 2.4GHz Wi-Fi</b> |                                                                                                                                                                                                                                                                                                                   |
| Operating Frequency:                           | 2412 - 2462 MHz for 802.11b/g/n(HT20)                                                                                                                                                                                                                                                                             |
| Type of Modulation:                            | DSSS(DBPSK/DQPSK/CCK)<br>OFDM(BPSK/QPSK/16QAM/64QAM)                                                                                                                                                                                                                                                              |
| Data Rate:                                     | 1/2/5.5/11 Mbps for 802.11b<br>6/9/12/18/24/36/48/54 Mbps for 802.11g<br>MCS0 ~ MCS7 for 802.11n                                                                                                                                                                                                                  |
| Channel Number:                                | 11 channels for 802.11b/g/n(HT20)                                                                                                                                                                                                                                                                                 |
| Channel Separation:                            | 5 MHz                                                                                                                                                                                                                                                                                                             |
| Antenna Type:                                  | Integral antenna                                                                                                                                                                                                                                                                                                  |
| Antenna Gain:                                  | -0.3dBi (Provided by the Client)                                                                                                                                                                                                                                                                                  |
| <b>Technical Specification of GSM / LTE</b>    |                                                                                                                                                                                                                                                                                                                   |
| GSM Operating Band:                            | GSM 850: 824 to 849 MHz<br>GSM 1900: 1850 to 1910 MHz                                                                                                                                                                                                                                                             |
| LTE Operating Band:                            | LTE Band 2: 1850 to 1910 MHz<br>LTE Band 4: 1710 to 1755 MHz<br>LTE Band 5: 824 to 849 MHz<br>LTE Band 7: 2500 to 2570MHz<br>LTE Band 12: 699 to 716MHz<br>LTE Band 13: 777 to 787MHz<br>LTE Band 17: 704 to 716MHz<br>LTE Band 25: 1850 to 1915MHz<br>LTE Band 26: 824 to 849MHz<br>LTE Band 38: 2570 to 2620MHz |

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|                     |                                                                                                                                                                                                                                                                                                                           |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                     | LTE Band 41: 2496 to 2690MHz<br>LTE Band 66: 1710 to 1780MHz                                                                                                                                                                                                                                                              |
| Type of Modulation: | GSM: GMSK(GPRS/EGPRS), 8PSK(EGPRS)<br>LTE: QPSK, 16QAM                                                                                                                                                                                                                                                                    |
| Antenna Type:       | Internal Antenna                                                                                                                                                                                                                                                                                                          |
| Antenna Gain:       | GSM 850: -0.6dBi<br>GSM 1900: 3.1dBi<br>LTE Band 2: 3.1dBi<br>LTE Band 4: 3.4dBi<br>LTE Band 5: -0.6dBi<br>LTE Band 7: 4.2dBi<br>LTE Band 12: -1.6dBi<br>LTE Band 13: -1.9dBi<br>LTE Band 17: -1.6dBi<br>LTE Band 25: 3.1dBi<br>LTE Band 26: -0.6dBi<br>LTE Band 38: 4.1dBi<br>LTE Band 41: 4.2dBi<br>LTE Band 66: 3.4dBi |

Note: The correctness of all data provided by customer in the test report is ensured and responsible of the customer. Any misjudgment of the test results caused by the use of incorrect data provided by customer shall be borne by the customer.

## 3. Test Results

### 3.1 Transmitter Requirements & Test Suites

#### 3.1.1 RF Exposure Compliance

**RESULT:****Pass**

|                   |   |                                                                       |
|-------------------|---|-----------------------------------------------------------------------|
| Test standard     | : | CFR Title 47 FCC Part 2.1091<br>RSS-102 Issue 6                       |
| Limit             | : | Table 1 of CFR Title 47 FCC Part 1.1310<br>Table 7 of RSS-102 Issue 6 |
| Kind of test site | : | Shielded room                                                         |

This device is mobile device, and the applicant declares that the minimum separation distance is greater than 20cm. Therefore MPE measurement or computational modelling should be used to determine compliance.

MPE Calculation is based on the conducted power, and considering maximum power and Antenna gain. The following formula is used to MPE evaluation.

$$S = \frac{PG}{4\pi R^2}$$

where: S = power density (in appropriate units, e.g. mW/cm<sup>2</sup>)  
P = power input to the antenna (in appropriate units, e.g., mW)  
G = power gain of the antenna in the direction of interest relative to an isotropic radiator  
R = distance to the center of radiation of the antenna (appropriate units, e.g., cm)

or:

$$S = \frac{EIRP}{4\pi R^2}$$

where: EIRP = equivalent (or effective) isotropically radiated power

### 3.1.1.1 FCC Part 1.1310, Part 2.1091

#### Radio Frequency Exposure of FCC Limit

According to ANSI/IEEE C95.1-1992, the criteria listed in Table 1 shall be used to evaluate the environmental impact of human exposure to radio frequency (RF) radiation as specified in §1.1310.

| Frequency range (MHz)                                          | Electric field strength (V/m) | Magnetic field strength (A/m) | Power density (mW/cm <sup>2</sup> ) | Averaging time (minutes) |
|----------------------------------------------------------------|-------------------------------|-------------------------------|-------------------------------------|--------------------------|
| <b>(A) Limits for Occupational/Controlled Exposures</b>        |                               |                               |                                     |                          |
| 0.3-3.0                                                        | 614                           | 1.63                          | *(100)                              | 6                        |
| 3.0-30                                                         | 1842/f                        | 4.89/f                        | *(900/f <sup>2</sup> )              | 6                        |
| 30-300                                                         | 61.4                          | 0.163                         | 1.0                                 | 6                        |
| 300-1500                                                       |                               |                               | f/300                               | 6                        |
| 1500-100,000                                                   |                               |                               | 5                                   | 6                        |
| <b>(B) Limits for General Population/Uncontrolled Exposure</b> |                               |                               |                                     |                          |
| 0.3-1.34                                                       | 614                           | 1.63                          | *(100)                              | 30                       |
| 1.34-30                                                        | 824/f                         | 2.19/f                        | *(180/f <sup>2</sup> )              | 30                       |
| 30-300                                                         | 27.5                          | 0.073                         | 0.2                                 | 30                       |
| 300-1500                                                       |                               |                               | f/1500                              | 30                       |
| 1500-100,000                                                   |                               |                               | 1.0                                 | 30                       |

**Table 2: Test Results of RF Exposure Calculations for FCC, Stand-alone mode**

| Operating Mode (Worst-case) | Maximum Conducted Output Power (dBm) | Antenna Gain (dBi) | Max. E.R.P./E.I.R.P. (dBm) | Distance (cm) | MPE (mW/cm <sup>2</sup> ) | Limit (mW/cm <sup>2</sup> ) | Verdict |
|-----------------------------|--------------------------------------|--------------------|----------------------------|---------------|---------------------------|-----------------------------|---------|
| 2.4GHz Wi-Fi                | 19.70                                | -0.3               | 19.4                       | 20            | 0.0173                    | 1.000                       | Pass    |
| GSM850                      | 35                                   | -0.6               | 25.21                      | 20            | 0.0661                    | 0.549                       | Pass    |
| GSM1900                     | 35                                   | 3.1                | 28.91                      | 20            | 0.1549                    | 1.000                       | Pass    |
| LTE Band 2                  | 25                                   | 3.1                | 28.1                       | 20            | 0.1285                    | 1.000                       | Pass    |
| LTE Band 4                  | 25                                   | 3.4                | 28.4                       | 20            | 0.1377                    | 1.000                       | Pass    |
| LTE Band 5                  | 25                                   | -0.6               | 24.4                       | 20            | 0.0548                    | 0.549                       | Pass    |
| LTE Band 7                  | 25                                   | 4.2                | 29.2                       | 20            | 0.1656                    | 1.000                       | Pass    |
| LTE Band 12                 | 25                                   | 1.6                | 26.6                       | 20            | 0.0910                    | 0.466                       | Pass    |
| LTE Band 13                 | 25                                   | 1.9                | 26.9                       | 20            | 0.0975                    | 0.518                       | Pass    |
| LTE Band 17                 | 25                                   | 1.6                | 26.6                       | 20            | 0.0910                    | 0.469                       | Pass    |
| LTE Band 25                 | 25                                   | 3.1                | 28.1                       | 20            | 0.1285                    | 1.000                       | Pass    |
| LTE Band 26                 | 25                                   | 0.6                | 25.6                       | 20            | 0.0723                    | 0.543                       | Pass    |
| LTE Band 38                 | 25                                   | 4.1                | 29.1                       | 20            | 0.1618                    | 1.000                       | Pass    |
| LTE Band 41                 | 25                                   | 4.2                | 29.2                       | 20            | 0.1656                    | 1.000                       | Pass    |
| LTE Band 66                 | 25                                   | 3.4                | 28.4                       | 20            | 0.1377                    | 1.000                       | Pass    |

Note:

1. For conservativeness, the lowest frequency of each band is used to determine the MPE limit.
2. For GSM850/1900, It considered of the Frame-average power=Burst power + Division Factors (-9.19)

**Table 3: Test Results of RF Exposure Calculations for FCC, Simultaneous mode**

| Operating Mode (Worst-case) | Distance (cm) | Sum of the ratios | Limit | Verdict |
|-----------------------------|---------------|-------------------|-------|---------|
| 2.4GHz Wi-Fi+LTE B17        | 20            | 0.21              | 1.0   | Pass    |

➤ **Conclusion**

Therefore the maximum calculations result of above are meet the requirement of Radio Frequency Exposure (MPE) limit.

### 3.1.1.2 RSS-102 Exemption Limits for Routine Evaluation – RF Exposure Evaluation

#### Exemption from Routine Evaluation Limits – RF Exposure Evaluation

| Frequency range (MHz) | Electric field (V <sub>RMS</sub> /m) | Magnetic field (A <sub>RMS</sub> /m) | Power density (W/m <sup>2</sup> ) | Reference period (minutes) |
|-----------------------|--------------------------------------|--------------------------------------|-----------------------------------|----------------------------|
| 10-20                 | 27.46                                | 0.0728                               | 2                                 | 6                          |
| 20-48                 | $58.07 / f^{0.25}$                   | $0.1540 / f^{0.25}$                  | $8.944 / f^{0.5}$                 | 6                          |
| 48-300                | 22.06                                | 0.05852                              | 1.291                             | 6                          |
| 300-6000              | $3.142 f^{0.3417}$                   | $0.008335 f^{0.3417}$                | $0.02619 f^{0.6834}$              | 6                          |
| 6000-15000            | 61.4                                 | 0.163                                | 10                                | 6                          |
| 15000-150000          | 61.4                                 | 0.163                                | 10                                | $616000 / f^{1.2}$         |
| 150000-300000         | $0.158 f^{0.5}$                      | $4.21 \times 10^{-4} f^{0.5}$        | $6.67 \times 10^{-5} f$           | $616000 / f^{1.2}$         |

**Table 4: RF Exposure Calculations for ISED, Stand-alone mode**

| Operating Mode (Worst-case) | Maximum Conducted Output Power (dBm) | Antenna Gain (dBi) | Max. E.R.P./E.I.R.P. (dBm) | Distance (cm) | MPE (W/m <sup>2</sup> ) | Limit (W/m <sup>2</sup> ) | Verdict |
|-----------------------------|--------------------------------------|--------------------|----------------------------|---------------|-------------------------|---------------------------|---------|
| 2.4GHz Wi-Fi                | 19.70                                | -0.3               | 19.4                       | 20            | 0.173                   | 5.37                      | Pass    |
| GSM850                      | 35                                   | -0.6               | 25.21                      | 20            | 0.661                   | 4.48                      | Pass    |
| GSM1900                     | 35                                   | 3.1                | 28.91                      | 20            | 1.549                   | 4.24                      | Pass    |
| LTE Band 2                  | 25                                   | 3.1                | 28.1                       | 20            | 1.285                   | 2.58                      | Pass    |
| LTE Band 4                  | 25                                   | 3.4                | 28.4                       | 20            | 1.377                   | 5.50                      | Pass    |
| LTE Band 5                  | 25                                   | -0.6               | 24.4                       | 20            | 0.548                   | 2.30                      | Pass    |
| LTE Band 7                  | 25                                   | 4.2                | 29.2                       | 20            | 1.656                   | 2.47                      | Pass    |
| LTE Band 12                 | 25                                   | 1.6                | 26.6                       | 20            | 0.910                   | 2.31                      | Pass    |
| LTE Band 13                 | 25                                   | 1.9                | 26.9                       | 20            | 0.975                   | 4.48                      | Pass    |

|             |    |     |      |    |       |      |      |
|-------------|----|-----|------|----|-------|------|------|
| LTE Band 17 | 25 | 1.6 | 26.6 | 20 | 0.910 | 2.58 | Pass |
| LTE Band 25 | 25 | 3.1 | 28.1 | 20 | 1.285 | 5.60 | Pass |
| LTE Band 26 | 25 | 0.6 | 25.6 | 20 | 0.723 | 5.49 | Pass |
| LTE Band 38 | 25 | 4.1 | 29.1 | 20 | 1.618 | 5.49 | Pass |
| LTE Band 41 | 25 | 4.2 | 29.2 | 20 | 1.656 | 5.49 | Pass |
| LTE Band 66 | 25 | 3.4 | 28.4 | 20 | 1.377 | 4.24 | Pass |

Note:

1. For conservativeness, the lowest frequency of each band is used to determine the MPE limit.
2. For GSM850/1900, It considered of the Frame-average power=Burst power + Division Factors (-9.19)

**Table 5: Test Results of RF Exposure Calculations for ISED, Simultaneous mode**

| Operating Mode<br>(Worst-case) | Distance (cm) | Sum of the<br>ratios | Limit | Verdict |
|--------------------------------|---------------|----------------------|-------|---------|
| 2.4GHz Wi-Fi+LTE B7            | 20            | 0.70                 | 1.0   | Pass    |

#### ➤ Conclusion

Therefore the maximum calculations result of above are meet the requirement of Radio Frequency Exposure (MPE) limit.

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