

Assessment report No:  
**NIE: 56316RAN.002A1**

## Assessment report (Modification 1) RF EXPOSURE REPORT ACCORDING TO FCC 47 CFR Part 2.1093 ISED RSS -102 Issue 5:2015

|   |   |
|---|---|
| Identification of item tested.....:             | GPS Tracking Device   |
| Trade mark .....                                | Ping  |
| Model and /or type reference .....              | P0100D0, P0100D1, P0100D2, P0100D3, P0100D4, P0100D5, P0100D6, P0100D7, P0100D8, P0100D9  |
| Other identification of the product .....       | FCC ID: 2AOL3-P0100DX<br>IC: 23634-P0100DX  |
| Final HW version .....                          | R1.8  |
| Final SW version .....                          | ---   |
| Features .....                                  | ---   |
| Applicant .....                                 | PING GPS<br>19825 North Cove Rd, Ste 173 Cornelius, NC 28031  |
| Test method requested, standard.....:           | FCC 47 CFR Part 2.1093. (10-1-15 Edition) Radiofrequency radiation exposure evaluation: portable devices.<br>ISED RSS-102 Issue 5 (2015-03) – Radio Frequency Exposure Compliance of Radiocommunication Apparatus (All Frequency Bands) |
| Summary .....                                   | IN COMPLIANCE   |
| Approved by (name / position & signature) ..... | Miguel Lacave<br>Antennas Lab Manager   |
| Date of issue .....                             | 2018-03-07  |
| Report template No.....:                        | FAN24_01  |

# Index

|  |    |
|--|----|
| Competences and guarantees.....                          | 3  |
| General conditions.....                                  | 3  |
| Identification of the client and manufacturer .....      | 3  |
| Modifications to the reference test report.....          | 4  |
| General description of the device under evaluation ..... | 5  |
| Assessment summary .....                                 | 7  |
| Appendix A – FCC RF Exposure .....                       | 8  |
| FCC Exposure evaluation portable or mobile devices ..... | 9  |
| FCC SAR test exclusion considerations.....               | 9  |
| FCC Evaluation Results .....                             | 11 |
| Appendix B – ISED RF Exposure.....                       | 12 |
| ISED SAR test exclusion considerations .....             | 13 |
| ISED Evaluation Results.....                             | 14 |

## Competences and guarantees

In order to assure the traceability to other national and international laboratories, DEKRA has a calibration and maintenance program for its measurement equipment.

DEKRA guarantees the reliability of the data presented in this report, which is the result of the measurements and the tests performed to the item under test on the date and under the conditions stated on the report and, it is based on the knowledge and technical facilities available at DEKRA at the time of performance of the test.

DEKRA is liable to the client for the maintenance of the confidentiality of all information related to the item under test and the results of the test.

The results presented in this Test Report apply only to the particular item under test established in this document.

**IMPORTANT:** No parts of this report may be reproduced or quoted out of context, in any form or by any means, except in full, without the previous written permission of DEKRA.

## General conditions

1. This report is only referred to the item that has undergone the test.
2. This report does not constitute or imply on its own an approval of the product by the Certification Bodies or competent Authorities.
3. This document is only valid if complete; no partial reproduction can be made without previous written permission of DEKRA.
4. This test report cannot be used partially or in full for publicity and/or promotional purposes without previous written permission of DEKRA and the Accreditation Bodies.

## Identification of the client and manufacturer

PING GPS

19825 North Cove Rd, Ste 173. Cornelius, NC 28031

## Modifications to the reference test report

It was introduced the following modifications in respect to the test report number 56316RAN.002, in the next clauses and sub-clauses:

| Clauses / Sub-clauses                                       | Modification   | Justification                           |
|---|--|---|
| Title page  | Updated applicant information  | Applicant information update requested. |
| General description of the device under evaluation, Page 4. | Reference to followed guidance of section "6.3. Low transmission duty factor devices" of KDB 447498 D01 has been included.                 | Information requested.                  |
| General description of the device under evaluation, Page 4. | Reference to section "4.1. General test requirements" of KDB 447498 D01, related to device's simultaneous transmission, has been included. | Information requested.                  |
| FCC Evaluation Results, Page 10.                            | Reference to followed guidance of section "6.3. Low transmission duty factor devices" of KDB 447498 D01 has been included.                 | Information requested.                  |

This modification test report cancels and replaces the test report 56316RAN.002.

## General description of the device under evaluation

The device under evaluation uses a combination of GPS, GSM and Bluetooth Low Energy hardware, in conjunction with a smartphone app, the Ping device provides the end user with the capability to track the location of people and valuables around the world.

The device has the capability of operating in Text Mode or Data Mode, depending of the mode the device will operate on GSM 850/1900 or UMTS II/V available network, using an Ublox SARA-U201 module.

As the device transmits only intermittently in data mode, and voice mode is not supported, guidance shown into KDB 447498 D01, section “6.3. Low transmission duty factor devices” has been followed in order to perform this assessment.

According to the manufacturer, in the Text Mode, the transmitter will send out a SMS each 18 ms. The 18 ms is 4 possible attempts at sending de SMS over the GSM mode. This is the highest transmit time the device would operate in Text Mode. The device is limited by the firmware to only allow a transmission once every 1 second. Therefore, the maximum duty cycle of this mode will be:

$$\text{Duty cycle} = \text{Tx on}/(\text{Tx on}+\text{Tx off}) = 18 \text{ ms}/(18\text{ms}+1000\text{ms}) = 1.77 \%$$

The SARA-U201 module has a maximum Tx power of 33 dBm in the 900 MHz band and 30 dBm for 1800 MHz band. GSM mode has an inherent 12.5% duty cycle. Taking in account the hardware transmission limitation, the maximum average TX power for the GSM modes will be:

$$850\text{MHz}: 1996 \text{ mW} * 0.125 = 249.5 \text{ mW} * 0.0177 = 4.47 \text{ mW} = 6.5 \text{ dBm}$$

$$1900\text{MHz}: 1000 \text{ mW} * 0.125 = 125 \text{ mW} * 0.0177 = 2.21 \text{ mW} = 3.45 \text{ dBm}$$

If the device uses Data Mode, the transmitter will send out a SMS in 120 ms. The 120 ms is 4 possible attempts at sending de SMS over the UMTS mode. This is the highest transmit time the device would operate in Data Mode. The device is limited by the firmware to only allow a transmission once every 5 second. Therefore, the maximum duty cycle of this mode will be:

$$\text{Duty cycle} = \text{Tx on}/(\text{Tx on}+\text{Tx off}) = 120 \text{ ms}/(120\text{ms}+5000\text{ms}) = 2.34 \%$$

The SARA-U201 module has a maximum Tx power of 24 dBm (251.2 mW) for the UMTS bands. As the device is limited to transmit once during 120 ms every 5 second, the maximum averaged TX power for the UMTS modes will be:

$$\text{Band II: } 252 \text{ mW} * 0.0234 = 5.90 \text{ mW} = 7.71 \text{ dBm}$$

$$\text{Band V: } 252 \text{ mW} * 0.0234 = 5.90 \text{ mW} = 7.71 \text{ dBm}$$

The device also supports Bluetooth LE transmission, the maximum output power value for the module and the maximum gain declared by the manufacturer are, 0.0 dBm and +2.0 dBi respectively.

Into the operational description document, the manufacturer declares that WWAN and Bluetooth LE simultaneous transmissions may occur only into specific scenarios, and that these transmissions are extremely brief.

Following guidance shown into KDB 447498 D01, section “4.1. General test requirements”, paragraph c), “compliance for simultaneous transmission must be considered when the maximum duration of the overlapping transmissions, including network hand-offs, is greater than 30 seconds”, therefore, according to the manufacturer’s declaration, it can be considered that the device does not support simultaneous transmissions.

The equipment specifications declared by the manufacturer for each supported feature are:

| Band (MHz) | Technology   | Band | Maximum RF output power (mW) | Maximum RF output power (dBm) | Maximum antenna gain (dBi) | Average radiated power (E.I.R.P.) (dBm) |
|------------|--------------|------|------------------------------|-------------------------------|----------------------------|---|
| 850        | GSM          | 850  | 4.47                         | 6.5                           | -5.0                       | 1.50                                    |
| 1900       | GSM          | 1900 | 2.21                         | 3.45                          | -2.0                       | 1.45                                    |
| 1900       | WCDMA        | II   | 5.90                         | 7.71                          | -2.0                       | 5.71                                    |
| 850        | WCDMA        | V    | 5.90                         | 7.71                          | -2.0                       | 5.71                                    |
| 2450       | Bluetooth LE | ISM  | 1.0                          | 0.0                           | +2.0                       | 2.00                                    |

**Table 1:** Equipment specifications

## Assessment summary

| Radiofrequency radiation exposure limits             |              |      |                     |
|--|--------------|------|---------------------|
| FCC 47 CFR § 2.1093 & ISED RSS-102 Issue 5 (2015-03) |              |      |                     |
| Band (MHz)   | Technology   | Band | VERDICT (Pass/Fail) |
| 850  | GSM          | 850  | Pass                |
| 1900   | GSM          | 1900 | Pass                |
| 1900   | WCDMA        | II   | Pass                |
| 850  | WCDMA        | V    | Pass                |
| 2450   | Bluetooth LE | ISM  | Pass                |

**Table 2:** Assessment summary

## Appendix A – FCC RF Exposure



## FCC Exposure evaluation portable or mobile devices

Human exposure to RF emissions from portable devices (47 CFR §2.1093), as defined by the FCC, must be evaluated with respect to the FCC-adopted limits for SAR. Evaluation of mobile devices, as defined by the FCC, may also be performed with respect to SAR limits, but in such cases it is usually simpler and more cost-effective to evaluate compliance with respect to field strength or power density limits. For certain devices that are designed to be used in both mobile and portable configurations similar to those described in 47 CFR §2.1091(d)(4), such as certain desktop phones and wireless modem modules, compliance for mobile configurations is also satisfied when the same device is evaluated for SAR compliance in portable configurations.

## FCC SAR test exclusion considerations

According to FCC OET KDB 447498 D01 General RF Exposure Guidance:

Unless specifically required by the published RF exposure KDB procedures, standalone 1-g head or body and 10-g extremity SAR evaluation for general population exposure conditions, by measurement or numerical simulation, is not required when the corresponding SAR Test Exclusion Threshold condition is satisfied.

### - For distances ≤ 50 mm

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

$$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}]$$

$$\leq 3.0 \text{ for 1-g SAR and } \leq 7.5 \text{ for 10-g extremity SAR}$$

Where

- f(GHz) is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation
- The result is rounded to one decimal place for comparison

The test exclusions are applicable only when the minimum test separation distance is ≤ 50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion.

Approximate SAR Test Exclusion Power Thresholds at Selected Frequencies and Test Separation Distances are illustrated in the following Table:

| MHz  | 5  | 10 | 15  | 20  | 25  | 30  | 35  | 40  | 45  | 50  | mm                                |
|------|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----------------------------------|
| 150  | 39 | 77 | 116 | 155 | 194 | 232 | 271 | 310 | 349 | 387 | SAR Test Exclusion Threshold (mW) |
| 300  | 27 | 55 | 82  | 110 | 137 | 164 | 192 | 219 | 246 | 274 |                                   |
| 450  | 22 | 45 | 67  | 89  | 112 | 134 | 157 | 179 | 201 | 224 |                                   |
| 835  | 16 | 33 | 49  | 66  | 82  | 98  | 115 | 131 | 148 | 164 |                                   |
| 900  | 16 | 32 | 47  | 63  | 79  | 95  | 111 | 126 | 142 | 158 |                                   |
| 1500 | 12 | 24 | 37  | 49  | 61  | 73  | 86  | 98  | 110 | 122 |                                   |
| 1900 | 11 | 22 | 33  | 44  | 54  | 65  | 76  | 87  | 98  | 109 |                                   |
| 2450 | 10 | 19 | 29  | 38  | 48  | 57  | 67  | 77  | 86  | 96  |                                   |
| 3600 | 8  | 16 | 24  | 32  | 40  | 47  | 55  | 63  | 71  | 79  |                                   |
| 5200 | 7  | 13 | 20  | 26  | 33  | 39  | 46  | 53  | 59  | 66  |                                   |
| 5400 | 6  | 13 | 19  | 26  | 32  | 39  | 45  | 52  | 58  | 65  |                                   |
| 5800 | 6  | 12 | 19  | 25  | 31  | 37  | 44  | 50  | 56  | 62  |                                   |

**Table 3:** SAR Test Exclusion Thresholds for 100 MHz – 6 GHz and ≤ 50 mm

**- For distances > 50 mm**

For 100 MHz to 6 GHz frequencies and for test separation distances > 50 mm, the SAR test exclusion threshold is determined according to the following:

- 1) [Power allowed at numeric threshold for 50 mm in table 1) + (test separation distance - 50 mm)·(f(MHz)/150)] mW, at 100 MHz to 1500 MHz
- 2) [Power allowed at numeric threshold for 50 mm in table 1) + (test separation distance - 50 mm)·10] mW, at > 1500 MHz and ≤ 6 GHz

Approximate SAR test exclusion power thresholds at selected frequencies and test separation distances are illustrated in the following table

| MHz  | 50  | 60  | 70  | 80  | 90  | 100 | 110 | 120 | 130 | 140  | 150  | 160  | 170  | 180  | 190  | mm                                |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|-----------------------------------|
| 100  | 474 | 481 | 487 | 494 | 501 | 507 | 514 | 521 | 527 | 534  | 541  | 547  | 554  | 561  | 567  | SAR Test Exclusion Threshold (mW) |
| 150  | 387 | 397 | 407 | 417 | 427 | 437 | 447 | 457 | 467 | 477  | 487  | 497  | 507  | 517  | 527  |                                   |
| 300  | 274 | 294 | 314 | 334 | 354 | 374 | 394 | 414 | 434 | 454  | 474  | 494  | 514  | 534  | 554  |                                   |
| 450  | 224 | 254 | 284 | 314 | 344 | 374 | 404 | 434 | 464 | 494  | 524  | 554  | 584  | 614  | 644  |                                   |
| 835  | 164 | 220 | 275 | 331 | 387 | 442 | 498 | 554 | 609 | 665  | 721  | 776  | 832  | 888  | 943  |                                   |
| 900  | 158 | 218 | 278 | 338 | 398 | 458 | 518 | 578 | 638 | 698  | 758  | 818  | 878  | 938  | 998  |                                   |
| 1500 | 122 | 222 | 322 | 422 | 522 | 622 | 722 | 822 | 922 | 1022 | 1122 | 1222 | 1322 | 1422 | 1522 |                                   |
| 1900 | 109 | 209 | 309 | 409 | 509 | 609 | 709 | 809 | 909 | 1009 | 1109 | 1209 | 1309 | 1409 | 1509 |                                   |
| 2450 | 96  | 196 | 296 | 396 | 496 | 596 | 696 | 796 | 896 | 996  | 1096 | 1196 | 1296 | 1396 | 1496 |                                   |
| 3600 | 79  | 179 | 279 | 379 | 479 | 579 | 679 | 779 | 879 | 979  | 1079 | 1179 | 1279 | 1379 | 1479 |                                   |
| 5200 | 66  | 166 | 266 | 366 | 466 | 566 | 666 | 766 | 866 | 966  | 1066 | 1166 | 1266 | 1366 | 1466 |                                   |
| 5400 | 65  | 165 | 265 | 365 | 465 | 565 | 665 | 765 | 865 | 965  | 1065 | 1165 | 1265 | 1365 | 1465 |                                   |
| 5800 | 62  | 162 | 262 | 362 | 462 | 562 | 662 | 762 | 862 | 962  | 1062 | 1162 | 1262 | 1362 | 1462 |                                   |

**Table 4:** SAR Test Exclusion Thresholds for 100 MHz – 6 GHz and > 50 mm

**- For frequencies below 100 MHz**

The following may be considered for SAR test exclusion:

- 1) For test separation distances > 50 mm and < 200 mm, the power threshold at the corresponding test separation distance at 100 MHz in step b) is multiplied by  $[1 + \log(100/f(\text{MHz}))]$
- 2) For test separation distances ≤ 50 mm, the power threshold determined by the equation in c) 1) for 50 mm and 100 MHz is multiplied by ½

Approximate SAR test exclusion power thresholds at selected frequencies and test separation distances are illustrated in the following table

| MHz  | < 50 | 50   | 60   | 70   | 80   | 90   | 100  | 110  | 120  | 130  | 140  | 150  | 160  | 170  | 180  | 190  | mm |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----|
| 100  | 237  | 474  | 481  | 487  | 494  | 501  | 507  | 514  | 521  | 527  | 534  | 541  | 547  | 554  | 561  | 567  | mW |
| 50   | 308  | 617  | 625  | 634  | 643  | 651  | 660  | 669  | 677  | 686  | 695  | 703  | 712  | 721  | 729  | 738  |    |
| 10   | 474  | 948  | 961  | 975  | 988  | 1001 | 1015 | 1028 | 1041 | 1055 | 1068 | 1081 | 1095 | 1108 | 1121 | 1135 |    |
| 1    | 711  | 1422 | 1442 | 1462 | 1482 | 1502 | 1522 | 1542 | 1562 | 1582 | 1602 | 1622 | 1642 | 1662 | 1682 | 1702 |    |
| 0.1  | 948  | 1896 | 1923 | 1949 | 1976 | 2003 | 2029 | 2056 | 2083 | 2109 | 2136 | 2163 | 2189 | 2216 | 2243 | 2269 |    |
| 0.05 | 1019 | 2039 | 2067 | 2096 | 2125 | 2153 | 2182 | 2211 | 2239 | 2268 | 2297 | 2325 | 2354 | 2383 | 2411 | 2440 |    |
| 0.01 | 1185 | 2370 | 2403 | 2437 | 2470 | 2503 | 2537 | 2570 | 2603 | 2637 | 2670 | 2703 | 2737 | 2770 | 2803 | 2837 |    |

**Table 5:** SAR Test Exclusion Thresholds for frequencies < 100 MHz

## FCC Evaluation Results

Following guidance of KDB 447498 D01, section “6.3 Low transmission duty factor devices”, SAR Test Exclusion Threshold condition for each supported transmitting technology has been evaluated for the duty factor adjusted maximum output power, using a conservative minimum test separation distance of 5 mm:

| Technology   | Max Declared Time Avg. Output Power (dBm) |      | Min. Test Distance (mm) | Freq. (GHz) | Result | Test Exclusion |
|--------------|---|------|-------------------------|-------------|--------|----------------|
|              | (dBm)                                     | (mW) |                         |             |        |                |
| GSM 850      | 6.5                                       | 4.42 | 5                       | 0.849       | 0.82   | Pass           |
| GSM 1900     | 3.45                                      | 2.21 |                         | 1.91        | 0.61   | Pass           |
| WCDMA II     | 7.71                                      | 5.90 |                         | 0.849       | 1.09   | Pass           |
| WCDMA V      | 7.71                                      | 5.90 |                         | 1.91        | 1.63   | Pass           |
| Bluetooth LE | 0.0                                       | 1.0  |                         | 2.48        | 0.31   | Pass           |

**Table 6:** Evaluation Result

The computed values are < 3.0, so according to KDB 447498 D01 – General RF Exposure Guidance, these modes qualify for Standalone SAR test exclusion for 1-g SAR and 10-g SAR.

## Appendix B – ISED RF Exposure

## ISED SAR test exclusion considerations

According to “RSS-102 Issue 5 (2015-03) – Radio Frequency Exposure Compliance of Radiocommunication Apparatus (All Frequency Bands)”, paragraph “2.5.1 Exemption Limits for Routine Evaluation – SAR Evaluation”, the device operates below the applicable output power level (adjusted for tune-up tolerance) for the specified separation distance defined in Table 1:

**Table 1: SAR evaluation – Exemption limits for routine evaluation based on frequency and separation distance<sup>4,5</sup>**

| Frequency (MHz) | Exemption Limits (mW)           |                                 |                                 |                                 |                                 |
|-----------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
|                 | At separation distance of ≤5 mm | At separation distance of 10 mm | At separation distance of 15 mm | At separation distance of 20 mm | At separation distance of 25 mm |
| ≤300            | 71 mW                           | 101 mW                          | 132 mW                          | 162 mW                          | 193 mW                          |
| 450             | 52 mW                           | 70 mW                           | 88 mW                           | 106 mW                          | 123 mW                          |
| 835             | 17 mW                           | 30 mW                           | 42 mW                           | 55 mW                           | 67 mW                           |
| 1900            | 7 mW                            | 10 mW                           | 18 mW                           | 34 mW                           | 60 mW                           |
| 2450            | 4 mW                            | 7 mW                            | 15 mW                           | 30 mW                           | 52 mW                           |
| 3500            | 2 mW                            | 6 mW                            | 16 mW                           | 32 mW                           | 55 mW                           |
| 5800            | 1 mW                            | 6 mW                            | 15 mW                           | 27 mW                           | 41 mW                           |

| Frequency (MHz) | Exemption Limits (mW)           |                                 |                                 |                                 |                                  |
|-----------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|----------------------------------|
|                 | At separation distance of 30 mm | At separation distance of 35 mm | At separation distance of 40 mm | At separation distance of 45 mm | At separation distance of ≥50 mm |
| ≤300            | 223 mW                          | 254 mW                          | 284 mW                          | 315 mW                          | 345 mW                           |
| 450             | 141 mW                          | 159 mW                          | 177 mW                          | 195 mW                          | 213 mW                           |
| 835             | 80 mW                           | 92 mW                           | 105 mW                          | 117 mW                          | 130 mW                           |
| 1900            | 99 mW                           | 153 mW                          | 225 mW                          | 316 mW                          | 431 mW                           |
| 2450            | 83 mW                           | 123 mW                          | 173 mW                          | 235 mW                          | 309 mW                           |
| 3500            | 86 mW                           | 124 mW                          | 170 mW                          | 225 mW                          | 290 mW                           |
| 5800            | 56 mW                           | 71 mW                           | 85 mW                           | 97 mW                           | 106 mW                           |

Output Power level shall be the higher of the maximum conducted or equivalent isotropically radiated power (e.i.r.p.) source-based time-averaged output power. If the operating frequency of the device is between two frequencies located in Table 1, linear interpolation shall be applied for the applicable separation distance. For test separation distance less than 5 mm, the exemption limits for a separation distance of 5 mm can be applied to determine if a routine evaluation is required

## ISED Evaluation Results

According to paragraph “2.5.1 Exemption Limits for Routine Evaluation – SAR Evaluation”, the exemption limits for the applicable separation distance have been calculated by linear interpolation for the following operating frequencies:

| Distance (mm) | Technology   | Frequency (MHz) | Exemption Limits (mW) |
|---------------|--------------|-----------------|-----------------------|
| 5             | GSM 850      | 824.2           | 17.98                 |
|               |              | 836.6           | 16.98                 |
|               |              | 848.8           | 16.87                 |
|               | GSM 1900     | 1850.2          | 7.47                  |
|               |              | 1880.0          | 7.19                  |
|               |              | 1909.8          | 6.95                  |
|               | WCDMA II     | 1850.0          | 7.47                  |
|               |              | 1880.0          | 7.19                  |
|               |              | 1910.0          | 6.95                  |
|               | WCDMA V      | 826.4           | 17.78                 |
|               |              | 836.6           | 16.98                 |
|               |              | 846.6           | 16.89                 |
|               | Bluetooth LE | 2402            | 4.26                  |
|               |              | 2440            | 4.05                  |
|               |              | 2480            | 3.95                  |

**Table 7:** Exemption Limits

The evaluation into the worst cases for the applicable maximum output power levels/maximum E.I.R.P and exemption limits for each operating frequency and technology will be as follow:

| Technology   | Frequency (MHz) | Max. RF output power/ Max. EIRP (dBm) | Max. RF output power/ Max. EIRP (mW) | ISED Exemption Limits (mW) | Verdict |
|--------------|-----------------|---------------------------------------|--------------------------------------|----------------------------|---------|
| GSM 850      | 848.8           | 6.5                                   | 4.47                                 | 16.87                      | Pass    |
| GSM 1900     | 1909.8          | 3.45                                  | 2.21                                 | 6.95                       | Pass    |
| WCDMA II     | 1910.0          | 7.71                                  | 5.90                                 | 6.95                       | Pass    |
| WCDMA V      | 846.6           | 7.71                                  | 5.90                                 | 16.89                      | Pass    |
| Bluetooth LE | 2480.0          | 2.0                                   | 1.59                                 | 3.95                       | Pass    |

**Table 8:** Evaluation Result

As all operating frequencies comply with SAR Test Exclusion Thresholds, according to the standard “ISED RSS-102 Issue 5 (2015-03)”, SAR testing is not required.