

## Appendix D. Sim-Tx analysis

| RF Exposure conditions                                                      | Item | Capable Transmit Configuration              |                    |  |
|-----------------------------------------------------------------------------|------|---------------------------------------------|--------------------|--|
|                                                                             |      | SAR/MPE                                     | PD                 |  |
| Body Worn/Hotspot/<br>Product Specific/<br>Mobile Conditions <sup>(1)</sup> | 16   | WiFi 5G SISO (Ant5) + Bluetooth (Ant2)      | 60 GHz Transmitter |  |
|                                                                             | 17   | WiFi 5G SISO (Ant4) + Bluetooth (Ant2)      |                    |  |
|                                                                             | 18   | WiFi 5G MIMO (Ant5+4) + Bluetooth (Ant2)    |                    |  |
|                                                                             | 19   | WiFi 5G SISO (Ant5)                         |                    |  |
|                                                                             | 20   | WiFi 5G SISO (Ant4)                         |                    |  |
|                                                                             | 21   | WiFi 5G MIMO (Ant5+4)                       |                    |  |
|                                                                             | 22   | WiFi 2.4G SISO (Ant2)                       |                    |  |
|                                                                             | 23   | WiFi 2.4G SISO (Ant4)                       |                    |  |
|                                                                             | 24   | WiFi 2.4G MIMO/CDD (Ant2+4)                 |                    |  |
|                                                                             | 25   | Bluetooth (Ant2)                            |                    |  |
|                                                                             | 26   | WiFi 2.4G SISO (Ant2) + WiFi 5G SISO (Ant5) |                    |  |
|                                                                             | 27   | WiFi 5G SISO (Ant5) + Bluetooth (Ant2)      |                    |  |
|                                                                             | 28   | WiFi 5G SISO (Ant4) + Bluetooth (Ant2)      |                    |  |
|                                                                             | 29   | WiFi 5G MIMO (Ant5+4) + Bluetooth (Ant2)    |                    |  |
|                                                                             | 30   | WiFi 5G SISO (Ant5)                         |                    |  |
|                                                                             | 31   | WiFi 5G SISO (Ant4)                         |                    |  |
|                                                                             | 32   | WiFi 5G MIMO (Ant5+4)                       |                    |  |
|                                                                             | 33   | WiFi 2.4G SISO (Ant2)                       |                    |  |
|                                                                             | 34   | WiFi 2.4G SISO (Ant4)                       |                    |  |
|                                                                             | 35   | WiFi 2.4G MIMO/CDD (Ant2+4)                 |                    |  |
|                                                                             | 36   | Bluetooth (Ant2)                            |                    |  |
|                                                                             | 37   | WiFi 2.4G SISO (Ant2) + WiFi 5G SISO (Ant5) |                    |  |

### General Note:

- When WWAN single transmitting or WWAN off and WiFi/BT is transmitting which is consider as standalone mode, When WWAN and WLAN/BT transmission at the same time which is consider as simultaneous transmission mode
- The WWAN / WLAN and Bluetooth SAR test results were referring the report of FCC ID: A4RG020J (Sporton SAR Report No. FA8N0620-05A).
- Considering 60GHz transmitter with WWAN / WLAN and Bluetooth can transmit simultaneously, the basic restrictions are on SAR and power density, and summation of these quantities should follow below formula and the simultaneous transmission analysis was following below step.
  - Use the standalone SAR according original report to collocate with 60GHz transmitter power density at each exposure positions, if the result < 1, additional analysis is not necessary.
  - If this ratio is larger than 1, use surface single point SAR measurements and treat as 1-gram measurements with 1.6 W/kg as the limit. Use these measurement for the point by point summation and confirm the ratio summation does not exceed 1

The  $\left[ \sum \text{of (the highest measured or estimated SAR for each standalone antenna configuration, adjusted for maximum tune-up tolerance)} / 1.6 \text{ W/kg} \right] + \left[ \sum \text{of MPE ratios} \right] \leq 1.0$ .

**Hotspot Exposure Conditions>**

&lt;Simultaneous Transmission is active&gt;

&lt;WWAN 0B antenna&gt;

| WWAN Band          | Exposure Position | 1             | 2                 | 3                 | 4               | 5               | 6               | 7                   | 8                 | 9                       | Reported SAR/1.6 + PD/10 Summation |                    |                      |                      |                      |                      |
|--------------------|-------------------|---------------|-------------------|-------------------|-----------------|-----------------|-----------------|---------------------|-------------------|-------------------------|------------------------------------|--------------------|----------------------|----------------------|----------------------|----------------------|
|                    |                   | WWAN          | 2.4GHz WLAN Ant 2 | 2.4GHz WLAN Ant 4 | 5GHz WLAN Ant 4 | 5GHz WLAN Ant 5 | Bluetooth Ant 2 | 2.4GHz WLAN Ant 2+4 | 5GHz WLAN Ant 4+5 | PD                      | 1+3+9 Summed Ratio                 | 1+7+9 Summed Ratio | 1+4+6+9 Summed Ratio | 1+5+6+9 Summed Ratio | 1+6+8+9 Summed Ratio | 1+2+5+9 Summed Ratio |
|                    |                   | 1g SAR (W/kg) | 1g SAR (W/kg)     | 1g SAR (W/kg)     | 1g SAR (W/kg)   | 1g SAR (W/kg)   | 1g SAR (W/kg)   | 1g SAR (W/kg)       | 1g SAR (W/kg)     | 4cm <sup>2</sup> (W/m2) |                                    |                    |                      |                      |                      |                      |
| GSM1900_ANT 0B     | Front             | 0.578         | 0.090             | 0.211             | 0.396           | 0.050           | 0.174           | 0.374               | 0.130             | 0.105                   | 0.504                              | 0.606              | 0.728                | 0.512                | 0.562                | 0.459                |
|                    | Back              | 0.991         | 0.173             | 0.205             | 0.248           | 0.293           | 0.192           | 0.502               | 0.399             | 0.006                   | 0.748                              | 0.934              | 0.895                | 0.923                | 0.989                | 0.911                |
|                    | Left side         |               | 0.219             |                   |                 | 0.133           | 0.195           | 0.521               | 0.150             | 0.001                   | 0.000                              | 0.326              | 0.122                | 0.205                | 0.216                | 0.220                |
|                    | Right side        | 0.577         |                   | 0.013             | 0.048           |                 |                 | 0.095               | 0.030             | 0.004                   | 0.369                              | 0.420              | 0.391                | 0.361                | 0.380                | 0.361                |
|                    | Top side          |               | 0.015             | 0.536             | 0.253           | 0.135           | 0.008           | 0.527               | 0.209             | 0.033                   | 0.338                              | 0.333              | 0.166                | 0.093                | 0.139                | 0.097                |
|                    | Bottom side       | 0.694         |                   |                   |                 |                 |                 |                     |                   |                         | 0.434                              | 0.434              | 0.434                | 0.434                | 0.434                | 0.434                |
| WCDMA II_ANT 0B    | Front             | 0.630         | 0.090             | 0.211             | 0.396           | 0.050           | 0.174           | 0.374               | 0.130             | 0.105                   | 0.536                              | 0.638              | 0.761                | 0.544                | 0.594                | 0.492                |
|                    | Back              | 0.945         | 0.173             | 0.205             | 0.248           | 0.293           | 0.192           | 0.502               | 0.399             | 0.006                   | 0.719                              | 0.905              | 0.866                | 0.894                | 0.961                | 0.882                |
|                    | Left side         |               | 0.219             |                   |                 | 0.133           | 0.195           | 0.521               | 0.150             | 0.001                   | 0.000                              | 0.326              | 0.122                | 0.205                | 0.216                | 0.220                |
|                    | Right side        | 0.599         |                   | 0.013             | 0.048           |                 |                 | 0.095               | 0.030             | 0.004                   | 0.383                              | 0.434              | 0.405                | 0.375                | 0.394                | 0.375                |
|                    | Top side          |               | 0.015             | 0.536             | 0.253           | 0.135           | 0.008           | 0.527               | 0.209             | 0.033                   | 0.338                              | 0.333              | 0.166                | 0.093                | 0.139                | 0.097                |
|                    | Bottom side       | 0.549         |                   |                   |                 |                 |                 |                     |                   |                         | 0.343                              | 0.343              | 0.343                | 0.343                | 0.343                | 0.343                |
| WCDMA IV_ANT 0B    | Front             | 0.598         | 0.090             | 0.211             | 0.396           | 0.050           | 0.174           | 0.374               | 0.130             | 0.105                   | 0.516                              | 0.618              | 0.741                | 0.524                | 0.574                | 0.472                |
|                    | Back              | 0.627         | 0.173             | 0.205             | 0.248           | 0.293           | 0.192           | 0.502               | 0.399             | 0.006                   | 0.521                              | 0.706              | 0.667                | 0.696                | 0.762                | 0.684                |
|                    | Left side         |               | 0.219             |                   |                 | 0.133           | 0.195           | 0.521               | 0.150             | 0.001                   | 0.000                              | 0.326              | 0.122                | 0.205                | 0.216                | 0.220                |
|                    | Right side        | 0.369         |                   | 0.013             | 0.048           |                 |                 | 0.095               | 0.030             | 0.004                   | 0.239                              | 0.290              | 0.261                | 0.231                | 0.250                | 0.231                |
|                    | Top side          |               | 0.015             | 0.536             | 0.253           | 0.135           | 0.008           | 0.527               | 0.209             | 0.033                   | 0.338                              | 0.333              | 0.166                | 0.093                | 0.139                | 0.097                |
|                    | Bottom side       | 0.949         |                   |                   |                 |                 |                 |                     |                   |                         | 0.593                              | 0.593              | 0.593                | 0.593                | 0.593                | 0.593                |
| CDMA BC1_ANT 0B    | Front             | 0.694         | 0.090             | 0.211             | 0.396           | 0.050           | 0.174           | 0.374               | 0.130             | 0.105                   | 0.576                              | 0.678              | 0.801                | 0.584                | 0.634                | 0.532                |
|                    | Back              | 0.987         | 0.173             | 0.205             | 0.248           | 0.293           | 0.192           | 0.502               | 0.399             | 0.006                   | 0.746                              | 0.931              | 0.892                | 0.921                | 0.987                | 0.909                |
|                    | Left side         |               | 0.219             |                   |                 | 0.133           | 0.195           | 0.521               | 0.150             | 0.001                   | 0.000                              | 0.326              | 0.122                | 0.205                | 0.216                | 0.220                |
|                    | Right side        | 0.631         |                   | 0.013             | 0.048           |                 |                 | 0.095               | 0.030             | 0.004                   | 0.403                              | 0.454              | 0.425                | 0.395                | 0.414                | 0.395                |
|                    | Top side          |               | 0.015             | 0.536             | 0.253           | 0.135           | 0.008           | 0.527               | 0.209             | 0.033                   | 0.338                              | 0.333              | 0.166                | 0.093                | 0.139                | 0.097                |
|                    | Bottom side       | 0.759         |                   |                   |                 |                 |                 |                     |                   |                         | 0.474                              | 0.474              | 0.474                | 0.474                | 0.474                | 0.474                |
| LTE Band 7_ANT 0B  | Front             | 0.765         | 0.090             | 0.211             | 0.396           | 0.050           | 0.174           | 0.374               | 0.130             | 0.105                   | 0.621                              | 0.722              | 0.845                | 0.629                | 0.679                | 0.576                |
|                    | Back              | 0.907         | 0.173             | 0.205             | 0.248           | 0.293           | 0.192           | 0.502               | 0.399             | 0.006                   | 0.696                              | 0.881              | 0.842                | 0.871                | 0.937                | 0.859                |
|                    | Left side         |               | 0.219             |                   |                 | 0.133           | 0.195           | 0.521               | 0.150             | 0.001                   | 0.000                              | 0.326              | 0.122                | 0.205                | 0.216                | 0.220                |
|                    | Right side        | 0.911         |                   | 0.013             | 0.048           |                 |                 | 0.095               | 0.030             | 0.004                   | 0.578                              | 0.629              | 0.600                | 0.570                | 0.589                | 0.570                |
|                    | Top side          |               | 0.015             | 0.536             | 0.253           | 0.135           | 0.008           | 0.527               | 0.209             | 0.033                   | 0.338                              | 0.333              | 0.166                | 0.093                | 0.139                | 0.097                |
|                    | Bottom side       | 0.299         |                   |                   |                 |                 |                 |                     |                   |                         | 0.187                              | 0.187              | 0.187                | 0.187                | 0.187                | 0.187                |
| LTE Band 25_ANT 0B | Front             | 0.709         | 0.090             | 0.211             | 0.396           | 0.050           | 0.174           | 0.374               | 0.130             | 0.105                   | 0.586                              | 0.687              | 0.810                | 0.594                | 0.644                | 0.541                |
|                    | Back              | 0.999         | 0.173             | 0.205             | 0.248           | 0.293           | 0.192           | 0.502               | 0.399             | 0.006                   | 0.753                              | 0.939              | 0.900                | 0.928                | 0.994                | 0.916                |
|                    | Left side         |               | 0.219             |                   |                 | 0.133           | 0.195           | 0.521               | 0.150             | 0.001                   | 0.000                              | 0.326              | 0.122                | 0.205                | 0.216                | 0.220                |
|                    | Right side        | 0.583         |                   | 0.013             | 0.048           |                 |                 | 0.095               | 0.030             | 0.004                   | 0.373                              | 0.424              | 0.395                | 0.365                | 0.384                | 0.365                |
|                    | Top side          |               | 0.015             | 0.536             | 0.253           | 0.135           | 0.008           | 0.527               | 0.209             | 0.033                   | 0.338                              | 0.333              | 0.166                | 0.093                | 0.139                | 0.097                |
|                    | Bottom side       | 0.757         |                   |                   |                 |                 |                 |                     |                   |                         | 0.473                              | 0.473              | 0.473                | 0.473                | 0.473                | 0.473                |
| LTE Band 30_ANT 0B | Front             | 0.473         | 0.090             | 0.211             | 0.396           | 0.050           | 0.174           | 0.374               | 0.130             | 0.105                   | 0.438                              | 0.540              | 0.662                | 0.446                | 0.496                | 0.394                |
|                    | Back              | 0.704         | 0.173             | 0.205             | 0.248           | 0.293           | 0.192           | 0.502               | 0.399             | 0.006                   | 0.569                              | 0.754              | 0.716                | 0.744                | 0.810                | 0.732                |
|                    | Left side         |               | 0.219             |                   |                 | 0.133           | 0.195           | 0.521               | 0.150             | 0.001                   | 0.000                              | 0.326              | 0.122                | 0.205                | 0.216                | 0.220                |
|                    | Right side        | 0.872         |                   | 0.013             | 0.048           |                 |                 | 0.095               | 0.030             | 0.004                   | 0.554                              | 0.605              | 0.575                | 0.545                | 0.564                | 0.545                |
|                    | Top side          |               | 0.015             | 0.536             | 0.253           | 0.135           | 0.008           | 0.527               | 0.209             | 0.033                   | 0.338                              | 0.333              | 0.166                | 0.093                | 0.139                | 0.097                |
|                    | Bottom side       | 0.193         |                   |                   |                 |                 |                 |                     |                   |                         | 0.121                              | 0.121              | 0.121                | 0.121                | 0.121                | 0.121                |
| LTE Band 41_ANT 0B | Front             | 0.533         | 0.090             | 0.211             | 0.396           | 0.050           | 0.174           | 0.374               | 0.130             | 0.105                   | 0.476                              | 0.577              | 0.700                | 0.484                | 0.534                | 0.431                |
|                    | Back              | 0.945         | 0.173             | 0.205             | 0.248           | 0.293           | 0.192           | 0.502               | 0.399             | 0.006                   | 0.719                              | 0.905              | 0.866                | 0.894                | 0.961                | 0.882                |
|                    | Left side         |               | 0.219             |                   |                 | 0.133           | 0.195           | 0.521               | 0.150             | 0.001                   | 0.000                              | 0.326              | 0.122                | 0.205                | 0.216                | 0.220                |
|                    | Right side        | 0.927         |                   | 0.013             | 0.048           |                 |                 | 0.095               | 0.030             | 0.004                   | 0.588                              | 0.639              | 0.610                | 0.580                | 0.599                | 0.580                |
|                    | Top side          |               | 0.015             | 0.536             | 0.253           | 0.135           | 0.008           | 0.527               | 0.209             | 0.033                   | 0.338                              | 0.333              | 0.166                | 0.093                | 0.139                | 0.097                |
|                    | Bottom side       | 0.388         |                   |                   |                 |                 |                 |                     |                   |                         | 0.243                              | 0.243              | 0.243                | 0.243                | 0.243                | 0.243                |
| LTE Band 66_ANT 0B | Front             | 0.573         | 0.090             | 0.211             | 0.396           | 0.050           | 0.174           | 0.374               | 0.130             | 0.105                   | 0.501                              | 0.602              | 0.725                | 0.509                | 0.559                | 0.456                |
|                    | Back              | 0.649         | 0.173             | 0.205             | 0.248           | 0.293           | 0.192           | 0.502               | 0.399             | 0.006                   | 0.534                              | 0.720              | 0.681                | 0.709                | 0.776                | 0.697                |
|                    | Left side         |               | 0.219             |                   |                 | 0.133           | 0.195           | 0.521               | 0.150             | 0.001                   | 0.000                              | 0.326              | 0.122                | 0.205                | 0.216                | 0.220                |
|                    | Right side        | 0.478         |                   | 0.013             | 0.048           |                 |                 | 0.095               | 0.030             | 0.004                   | 0.307                              | 0.359              | 0.329                | 0.299                | 0.318                | 0.299                |
|                    | Top side          |               | 0.015             | 0.536             | 0.253           | 0.135           | 0.008           | 0.527               | 0.209             | 0.033                   | 0.338                              | 0.333              | 0.166                | 0.093                | 0.139                | 0.097                |
|                    | Bottom side       | 0.036         |                   |                   |                 |                 |                 |                     |                   |                         | 0.023                              | 0.023              | 0.023                | 0.023                | 0.023                | 0.023                |



# RF EXPOSURE EVALUATION REPORT

Report No. :FA8N0620-05C

## <WWAN 0C antenna>

| WWAN Band          | Exposure Position | 1             | 2                 | 3                 | 4               | 5               | 6               | 7                   | 8                 | 9                       | Reported SAR/1.6 + PD/10 Summation |                    |                      |                      |                      |                      |
|--------------------|-------------------|---------------|-------------------|-------------------|-----------------|-----------------|-----------------|---------------------|-------------------|-------------------------|------------------------------------|--------------------|----------------------|----------------------|----------------------|----------------------|
|                    |                   | WWAN          | 2.4GHz WLAN Ant 2 | 2.4GHz WLAN Ant 4 | 5GHz WLAN Ant 4 | 5GHz WLAN Ant 5 | Bluetooth Ant 2 | 2.4GHz WLAN Ant 2+4 | 5GHz WLAN Ant 4+5 | PD                      | 1+3+9 Summed Ratio                 | 1+7+9 Summed Ratio | 1+4+6+9 Summed Ratio | 1+5+6+9 Summed Ratio | 1+6+8+9 Summed Ratio | 1+2+5+9 Summed Ratio |
|                    |                   | 1g SAR (W/kg) | 1g SAR (W/kg)     | 1g SAR (W/kg)     | 1g SAR (W/kg)   | 1g SAR (W/kg)   | 1g SAR (W/kg)   | 1g SAR (W/kg)       | 1g SAR (W/kg)     | 4cm <sup>2</sup> (W/m2) |                                    |                    |                      |                      |                      |                      |
| GSM850_A NT 0C     | Front             | 0.922         | 0.090             | 0.211             | 0.396           | 0.050           | 0.174           | 0.374               | 0.130             | 0.105                   | 0.719                              | 0.821              | 0.943                | 0.727                | 0.777                | 0.674                |
|                    | Back              | 0.979         | 0.173             | 0.205             | 0.248           | 0.293           | 0.192           | 0.502               | 0.399             | 0.006                   | 0.741                              | 0.926              | 0.887                | 0.916                | 0.982                | 0.904                |
|                    | Left side         | 0.412         | 0.219             |                   |                 | 0.133           | 0.195           | 0.521               | 0.150             | 0.001                   | 0.258                              | 0.583              | 0.379                | 0.463                | 0.473                | 0.478                |
|                    | Right side        |               |                   | 0.013             | 0.048           |                 |                 | 0.095               | 0.030             | 0.004                   | 0.009                              | 0.060              | 0.030                | 0.000                | 0.019                | 0.000                |
|                    | Top side          |               | 0.015             | 0.536             | 0.253           | 0.135           | 0.008           | 0.527               | 0.209             | 0.033                   | 0.338                              | 0.333              | 0.166                | 0.093                | 0.139                | 0.097                |
|                    | Bottom side       | 0.865         |                   |                   |                 |                 |                 |                     |                   |                         | 0.541                              | 0.541              | 0.541                | 0.541                | 0.541                | 0.541                |
| GSM1900_ANT 0C     | Front             | 0.369         | 0.090             | 0.211             | 0.396           | 0.050           | 0.174           | 0.374               | 0.130             | 0.105                   | 0.373                              | 0.475              | 0.597                | 0.381                | 0.431                | 0.329                |
|                    | Back              | 0.520         | 0.173             | 0.205             | 0.248           | 0.293           | 0.192           | 0.502               | 0.399             | 0.006                   | 0.454                              | 0.639              | 0.601                | 0.629                | 0.695                | 0.617                |
|                    | Left side         | 0.692         | 0.219             |                   |                 | 0.133           | 0.195           | 0.521               | 0.150             | 0.001                   | 0.433                              | 0.758              | 0.554                | 0.638                | 0.648                | 0.653                |
|                    | Right side        |               |                   | 0.013             | 0.048           |                 |                 | 0.095               | 0.030             | 0.004                   | 0.009                              | 0.060              | 0.030                | 0.000                | 0.019                | 0.000                |
|                    | Top side          |               | 0.015             | 0.536             | 0.253           | 0.135           | 0.008           | 0.527               | 0.209             | 0.033                   | 0.338                              | 0.333              | 0.166                | 0.093                | 0.139                | 0.097                |
|                    | Bottom side       | 0.218         |                   |                   |                 |                 |                 |                     |                   |                         | 0.136                              | 0.136              | 0.136                | 0.136                | 0.136                | 0.136                |
| WCDMA II_ANT 0C    | Front             | 0.328         | 0.090             | 0.211             | 0.396           | 0.050           | 0.174           | 0.374               | 0.130             | 0.105                   | 0.347                              | 0.449              | 0.572                | 0.356                | 0.406                | 0.303                |
|                    | Back              | 0.650         | 0.173             | 0.205             | 0.248           | 0.293           | 0.192           | 0.502               | 0.399             | 0.006                   | 0.535                              | 0.721              | 0.682                | 0.710                | 0.776                | 0.698                |
|                    | Left side         | 0.910         | 0.219             |                   |                 | 0.133           | 0.195           | 0.521               | 0.150             | 0.001                   | 0.569                              | 0.894              | 0.691                | 0.774                | 0.784                | 0.789                |
|                    | Right side        |               |                   | 0.013             | 0.048           |                 |                 | 0.095               | 0.030             | 0.004                   | 0.009                              | 0.060              | 0.030                | 0.000                | 0.019                | 0.000                |
|                    | Top side          |               | 0.015             | 0.536             | 0.253           | 0.135           | 0.008           | 0.527               | 0.209             | 0.033                   | 0.338                              | 0.333              | 0.166                | 0.093                | 0.139                | 0.097                |
|                    | Bottom side       | 0.246         |                   |                   |                 |                 |                 |                     |                   |                         | 0.154                              | 0.154              | 0.154                | 0.154                | 0.154                | 0.154                |
| WCDMA IV_ANT 0C    | Front             | 0.316         | 0.090             | 0.211             | 0.396           | 0.050           | 0.174           | 0.374               | 0.130             | 0.105                   | 0.340                              | 0.442              | 0.564                | 0.348                | 0.398                | 0.296                |
|                    | Back              | 0.423         | 0.173             | 0.205             | 0.248           | 0.293           | 0.192           | 0.502               | 0.399             | 0.006                   | 0.393                              | 0.579              | 0.540                | 0.568                | 0.634                | 0.556                |
|                    | Left side         | 0.714         | 0.219             |                   |                 | 0.133           | 0.195           | 0.521               | 0.150             | 0.001                   | 0.446                              | 0.772              | 0.568                | 0.651                | 0.662                | 0.666                |
|                    | Right side        |               |                   | 0.013             | 0.048           |                 |                 | 0.095               | 0.030             | 0.004                   | 0.009                              | 0.060              | 0.030                | 0.000                | 0.019                | 0.000                |
|                    | Top side          |               | 0.015             | 0.536             | 0.253           | 0.135           | 0.008           | 0.527               | 0.209             | 0.033                   | 0.338                              | 0.333              | 0.166                | 0.093                | 0.139                | 0.097                |
|                    | Bottom side       | 0.289         |                   |                   |                 |                 |                 |                     |                   |                         | 0.181                              | 0.181              | 0.181                | 0.181                | 0.181                | 0.181                |
| WCDMA V_ANT 0C     | Front             | 0.872         | 0.090             | 0.211             | 0.396           | 0.050           | 0.174           | 0.374               | 0.130             | 0.105                   | 0.687                              | 0.789              | 0.912                | 0.696                | 0.746                | 0.643                |
|                    | Back              | 0.997         | 0.173             | 0.205             | 0.248           | 0.293           | 0.192           | 0.502               | 0.399             | 0.006                   | 0.752                              | 0.937              | 0.899                | 0.927                | 0.993                | 0.915                |
|                    | Left side         | 0.491         | 0.219             |                   |                 | 0.133           | 0.195           | 0.521               | 0.150             | 0.001                   | 0.307                              | 0.633              | 0.429                | 0.512                | 0.523                | 0.527                |
|                    | Right side        |               |                   | 0.013             | 0.048           |                 |                 | 0.095               | 0.030             | 0.004                   | 0.009                              | 0.060              | 0.030                | 0.000                | 0.019                | 0.000                |
|                    | Top side          |               | 0.015             | 0.536             | 0.253           | 0.135           | 0.008           | 0.527               | 0.209             | 0.033                   | 0.338                              | 0.333              | 0.166                | 0.093                | 0.139                | 0.097                |
|                    | Bottom side       | 0.861         |                   |                   |                 |                 |                 |                     |                   |                         | 0.538                              | 0.538              | 0.538                | 0.538                | 0.538                | 0.538                |
| CDMA BC1_ANT 0C    | Front             | 0.523         | 0.090             | 0.211             | 0.396           | 0.050           | 0.174           | 0.374               | 0.130             | 0.105                   | 0.469                              | 0.571              | 0.694                | 0.477                | 0.527                | 0.425                |
|                    | Back              | 0.770         | 0.173             | 0.205             | 0.248           | 0.293           | 0.192           | 0.502               | 0.399             | 0.006                   | 0.610                              | 0.796              | 0.757                | 0.785                | 0.851                | 0.773                |
|                    | Left side         | 0.950         | 0.219             |                   |                 | 0.133           | 0.195           | 0.521               | 0.150             | 0.001                   | 0.594                              | 0.919              | 0.716                | 0.799                | 0.809                | 0.814                |
|                    | Right side        |               |                   | 0.013             | 0.048           |                 |                 | 0.095               | 0.030             | 0.004                   | 0.009                              | 0.060              | 0.030                | 0.000                | 0.019                | 0.000                |
|                    | Top side          |               | 0.015             | 0.536             | 0.253           | 0.135           | 0.008           | 0.527               | 0.209             | 0.033                   | 0.338                              | 0.333              | 0.166                | 0.093                | 0.139                | 0.097                |
|                    | Bottom side       | 0.476         |                   |                   |                 |                 |                 |                     |                   |                         | 0.298                              | 0.298              | 0.298                | 0.298                | 0.298                | 0.298                |
| CDMA BC0_ANT 0C    | Front             | 0.933         | 0.090             | 0.211             | 0.396           | 0.050           | 0.174           | 0.374               | 0.130             | 0.105                   | 0.726                              | 0.827              | 0.950                | 0.734                | 0.784                | 0.681                |
|                    | Back              | 0.996         | 0.173             | 0.205             | 0.248           | 0.293           | 0.192           | 0.502               | 0.399             | 0.006                   | 0.751                              | 0.937              | 0.898                | 0.926                | 0.992                | 0.914                |
|                    | Left side         | 0.434         | 0.219             |                   |                 | 0.133           | 0.195           | 0.521               | 0.150             | 0.001                   | 0.271                              | 0.597              | 0.393                | 0.476                | 0.487                | 0.491                |
|                    | Right side        |               |                   | 0.013             | 0.048           |                 |                 | 0.095               | 0.030             | 0.004                   | 0.009                              | 0.060              | 0.030                | 0.000                | 0.019                | 0.000                |
|                    | Top side          |               | 0.015             | 0.536             | 0.253           | 0.135           | 0.008           | 0.527               | 0.209             | 0.033                   | 0.338                              | 0.333              | 0.166                | 0.093                | 0.139                | 0.097                |
|                    | Bottom side       | 0.639         |                   |                   |                 |                 |                 |                     |                   |                         | 0.399                              | 0.399              | 0.399                | 0.399                | 0.399                | 0.399                |
| CDMA BC10_ANT 0C   | Front             | 0.857         | 0.090             | 0.211             | 0.396           | 0.050           | 0.174           | 0.374               | 0.130             | 0.105                   | 0.678                              | 0.780              | 0.902                | 0.686                | 0.736                | 0.634                |
|                    | Back              | 0.983         | 0.173             | 0.205             | 0.248           | 0.293           | 0.192           | 0.502               | 0.399             | 0.006                   | 0.743                              | 0.929              | 0.890                | 0.918                | 0.984                | 0.906                |
|                    | Left side         | 0.373         | 0.219             |                   |                 | 0.133           | 0.195           | 0.521               | 0.150             | 0.001                   | 0.233                              | 0.559              | 0.355                | 0.438                | 0.449                | 0.453                |
|                    | Right side        |               |                   | 0.013             | 0.048           |                 |                 | 0.095               | 0.030             | 0.004                   | 0.009                              | 0.060              | 0.030                | 0.000                | 0.019                | 0.000                |
|                    | Top side          |               | 0.015             | 0.536             | 0.253           | 0.135           | 0.008           | 0.527               | 0.209             | 0.033                   | 0.338                              | 0.333              | 0.166                | 0.093                | 0.139                | 0.097                |
|                    | Bottom side       | 0.819         |                   |                   |                 |                 |                 |                     |                   |                         | 0.512                              | 0.512              | 0.512                | 0.512                | 0.512                | 0.512                |
| LTE Band 12_ANT 0C | Front             | 0.335         | 0.090             | 0.211             | 0.396           | 0.050           | 0.174           | 0.374               | 0.130             | 0.105                   | 0.352                              | 0.454              | 0.576                | 0.360                | 0.410                | 0.307                |
|                    | Back              | 0.384         | 0.173             | 0.205             | 0.248           | 0.293           | 0.192           | 0.502               | 0.399             | 0.006                   | 0.369                              | 0.554              | 0.516                | 0.544                | 0.610                | 0.532                |
|                    | Left side         | 0.401         | 0.219             |                   |                 | 0.133           | 0.195           | 0.521               | 0.150             | 0.001                   | 0.251                              | 0.576              | 0.373                | 0.456                | 0.466                | 0.471                |
|                    | Right side        |               |                   | 0.013             | 0.048           |                 |                 | 0.095               | 0.030             | 0.004                   | 0.009                              | 0.060              | 0.030                | 0.000                | 0.019                | 0.000                |



# RF EXPOSURE EVALUATION REPORT

Report No. :FA8N0620-05C

|                    |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|--------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                    | Top side    |       | 0.015 | 0.536 | 0.253 | 0.135 | 0.008 | 0.527 | 0.209 | 0.033 | 0.338 | 0.333 | 0.166 | 0.093 | 0.139 | 0.097 |
|                    | Bottom side | 0.337 |       |       |       |       |       |       |       |       | 0.211 | 0.211 | 0.211 | 0.211 | 0.211 | 0.211 |
| LTE Band 13_ANT 0C | Front       | 0.564 | 0.090 | 0.211 | 0.396 | 0.050 | 0.174 | 0.374 | 0.130 | 0.105 | 0.495 | 0.597 | 0.719 | 0.503 | 0.553 | 0.451 |
|                    | Back        | 0.945 | 0.173 | 0.205 | 0.248 | 0.293 | 0.192 | 0.502 | 0.399 | 0.006 | 0.719 | 0.905 | 0.866 | 0.894 | 0.961 | 0.882 |
|                    | Left side   | 0.901 | 0.219 |       |       | 0.133 | 0.195 | 0.521 | 0.150 | 0.001 | 0.563 | 0.889 | 0.685 | 0.768 | 0.779 | 0.783 |
|                    | Right side  |       |       | 0.013 | 0.048 |       |       | 0.095 | 0.030 | 0.004 | 0.009 | 0.060 | 0.030 | 0.000 | 0.019 | 0.000 |
|                    | Top side    |       | 0.015 | 0.536 | 0.253 | 0.135 | 0.008 | 0.527 | 0.209 | 0.033 | 0.338 | 0.333 | 0.166 | 0.093 | 0.139 | 0.097 |
|                    | Bottom side | 0.873 |       |       |       |       |       |       |       |       | 0.546 | 0.546 | 0.546 | 0.546 | 0.546 | 0.546 |
| LTE Band 14_ANT 0C | Front       | 0.550 | 0.090 | 0.211 | 0.396 | 0.050 | 0.174 | 0.374 | 0.130 | 0.105 | 0.486 | 0.588 | 0.711 | 0.494 | 0.544 | 0.442 |
|                    | Back        | 0.978 | 0.173 | 0.205 | 0.248 | 0.293 | 0.192 | 0.502 | 0.399 | 0.006 | 0.740 | 0.926 | 0.887 | 0.915 | 0.981 | 0.903 |
|                    | Left side   | 0.907 | 0.219 |       |       | 0.133 | 0.195 | 0.521 | 0.150 | 0.001 | 0.567 | 0.893 | 0.689 | 0.772 | 0.783 | 0.787 |
|                    | Right side  |       |       | 0.013 | 0.048 |       |       | 0.095 | 0.030 | 0.004 | 0.009 | 0.060 | 0.030 | 0.000 | 0.019 | 0.000 |
|                    | Top side    |       | 0.015 | 0.536 | 0.253 | 0.135 | 0.008 | 0.527 | 0.209 | 0.033 | 0.338 | 0.333 | 0.166 | 0.093 | 0.139 | 0.097 |
|                    | Bottom side | 0.923 |       |       |       |       |       |       |       |       | 0.577 | 0.577 | 0.577 | 0.577 | 0.577 | 0.577 |
| LTE Band 25_ANT 0C | Front       | 0.549 | 0.090 | 0.211 | 0.396 | 0.050 | 0.174 | 0.374 | 0.130 | 0.105 | 0.486 | 0.587 | 0.710 | 0.494 | 0.544 | 0.441 |
|                    | Back        | 0.696 | 0.173 | 0.205 | 0.248 | 0.293 | 0.192 | 0.502 | 0.399 | 0.006 | 0.564 | 0.749 | 0.711 | 0.739 | 0.805 | 0.727 |
|                    | Left side   | 0.905 | 0.219 |       |       | 0.133 | 0.195 | 0.521 | 0.150 | 0.001 | 0.566 | 0.891 | 0.688 | 0.771 | 0.781 | 0.786 |
|                    | Right side  |       |       | 0.013 | 0.048 |       |       | 0.095 | 0.030 | 0.004 | 0.009 | 0.060 | 0.030 | 0.000 | 0.019 | 0.000 |
|                    | Top side    |       | 0.015 | 0.536 | 0.253 | 0.135 | 0.008 | 0.527 | 0.209 | 0.033 | 0.338 | 0.333 | 0.166 | 0.093 | 0.139 | 0.097 |
|                    | Bottom side | 0.423 |       |       |       |       |       |       |       |       | 0.264 | 0.264 | 0.264 | 0.264 | 0.264 | 0.264 |
| LTE Band 26_ANT 0C | Front       | 0.837 | 0.090 | 0.211 | 0.396 | 0.050 | 0.174 | 0.374 | 0.130 | 0.105 | 0.666 | 0.767 | 0.890 | 0.674 | 0.724 | 0.621 |
|                    | Back        | 0.935 | 0.173 | 0.205 | 0.248 | 0.293 | 0.192 | 0.502 | 0.399 | 0.006 | 0.713 | 0.899 | 0.860 | 0.888 | 0.954 | 0.876 |
|                    | Left side   | 0.359 | 0.219 |       |       | 0.133 | 0.195 | 0.521 | 0.150 | 0.001 | 0.224 | 0.550 | 0.346 | 0.429 | 0.440 | 0.444 |
|                    | Right side  |       |       | 0.013 | 0.048 |       |       | 0.095 | 0.030 | 0.004 | 0.009 | 0.060 | 0.030 | 0.000 | 0.019 | 0.000 |
|                    | Top side    |       | 0.015 | 0.536 | 0.253 | 0.135 | 0.008 | 0.527 | 0.209 | 0.033 | 0.338 | 0.333 | 0.166 | 0.093 | 0.139 | 0.097 |
|                    | Bottom side | 0.811 |       |       |       |       |       |       |       |       | 0.507 | 0.507 | 0.507 | 0.507 | 0.507 | 0.507 |
| LTE Band 30_ANT 0C | Front       | 0.548 | 0.090 | 0.211 | 0.396 | 0.050 | 0.174 | 0.374 | 0.130 | 0.105 | 0.485 | 0.587 | 0.709 | 0.493 | 0.543 | 0.441 |
|                    | Back        | 0.749 | 0.173 | 0.205 | 0.248 | 0.293 | 0.192 | 0.502 | 0.399 | 0.006 | 0.597 | 0.782 | 0.744 | 0.772 | 0.838 | 0.760 |
|                    | Left side   | 0.741 | 0.219 |       |       | 0.133 | 0.195 | 0.521 | 0.150 | 0.001 | 0.463 | 0.789 | 0.585 | 0.668 | 0.679 | 0.683 |
|                    | Right side  |       |       | 0.013 | 0.048 |       |       | 0.095 | 0.030 | 0.004 | 0.009 | 0.060 | 0.030 | 0.000 | 0.019 | 0.000 |
|                    | Top side    |       | 0.015 | 0.536 | 0.253 | 0.135 | 0.008 | 0.527 | 0.209 | 0.033 | 0.338 | 0.333 | 0.166 | 0.093 | 0.139 | 0.097 |
|                    | Bottom side | 0.217 |       |       |       |       |       |       |       |       | 0.136 | 0.136 | 0.136 | 0.136 | 0.136 | 0.136 |
| LTE Band 41_ANT 0C | Front       | 0.343 | 0.090 | 0.211 | 0.396 | 0.050 | 0.174 | 0.374 | 0.130 | 0.105 | 0.357 | 0.459 | 0.581 | 0.365 | 0.415 | 0.312 |
|                    | Back        | 0.511 | 0.173 | 0.205 | 0.248 | 0.293 | 0.192 | 0.502 | 0.399 | 0.006 | 0.448 | 0.634 | 0.595 | 0.623 | 0.689 | 0.611 |
|                    | Left side   | 0.902 | 0.219 |       |       | 0.133 | 0.195 | 0.521 | 0.150 | 0.001 | 0.564 | 0.889 | 0.686 | 0.769 | 0.779 | 0.784 |
|                    | Right side  |       |       | 0.013 | 0.048 |       |       | 0.095 | 0.030 | 0.004 | 0.009 | 0.060 | 0.030 | 0.000 | 0.019 | 0.000 |
|                    | Top side    |       | 0.015 | 0.536 | 0.253 | 0.135 | 0.008 | 0.527 | 0.209 | 0.033 | 0.338 | 0.333 | 0.166 | 0.093 | 0.139 | 0.097 |
|                    | Bottom side | 0.230 |       |       |       |       |       |       |       |       | 0.144 | 0.144 | 0.144 | 0.144 | 0.144 | 0.144 |
| LTE Band 66_ANT 0C | Front       | 0.289 | 0.090 | 0.211 | 0.396 | 0.050 | 0.174 | 0.374 | 0.130 | 0.105 | 0.323 | 0.425 | 0.547 | 0.331 | 0.381 | 0.279 |
|                    | Back        | 0.360 | 0.173 | 0.205 | 0.248 | 0.293 | 0.192 | 0.502 | 0.399 | 0.006 | 0.354 | 0.539 | 0.501 | 0.529 | 0.595 | 0.517 |
|                    | Left side   | 0.668 | 0.219 |       |       | 0.133 | 0.195 | 0.521 | 0.150 | 0.001 | 0.418 | 0.743 | 0.539 | 0.623 | 0.633 | 0.638 |
|                    | Right side  |       |       | 0.013 | 0.048 |       |       | 0.095 | 0.030 | 0.004 | 0.009 | 0.060 | 0.030 | 0.000 | 0.019 | 0.000 |
|                    | Top side    |       | 0.015 | 0.536 | 0.253 | 0.135 | 0.008 | 0.527 | 0.209 | 0.033 | 0.338 | 0.333 | 0.166 | 0.093 | 0.139 | 0.097 |
|                    | Bottom side | 0.160 |       |       |       |       |       |       |       |       | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 |
| LTE Band 71_ANT 0C | Front       | 0.231 | 0.090 | 0.211 | 0.396 | 0.050 | 0.174 | 0.374 | 0.130 | 0.105 | 0.287 | 0.389 | 0.511 | 0.295 | 0.345 | 0.242 |
|                    | Back        | 0.215 | 0.173 | 0.205 | 0.248 | 0.293 | 0.192 | 0.502 | 0.399 | 0.006 | 0.263 | 0.449 | 0.410 | 0.438 | 0.504 | 0.426 |
|                    | Left side   | 0.509 | 0.219 |       |       | 0.133 | 0.195 | 0.521 | 0.150 | 0.001 | 0.318 | 0.644 | 0.440 | 0.523 | 0.534 | 0.538 |
|                    | Right side  |       |       | 0.013 | 0.048 |       |       | 0.095 | 0.030 | 0.004 | 0.009 | 0.060 | 0.030 | 0.000 | 0.019 | 0.000 |
|                    | Top side    |       | 0.015 | 0.536 | 0.253 | 0.135 | 0.008 | 0.527 | 0.209 | 0.033 | 0.338 | 0.333 | 0.166 | 0.093 | 0.139 | 0.097 |
|                    | Bottom side | 0.257 |       |       |       |       |       |       |       |       | 0.161 | 0.161 | 0.161 | 0.161 | 0.161 | 0.161 |



# RF EXPOSURE EVALUATION REPORT

Report No. :FA8N0620-05C

## <WWAN 1 antenna>

| WWAN Band         | Exposure Position | 1             | 2                 | 3                 | 4               | 5               | 6               | 7                   | 8                 | 9            | Reported SAR/1.6 + PD/10 Summation |                    |                      |                      |                      |                      |
|-------------------|-------------------|---------------|-------------------|-------------------|-----------------|-----------------|-----------------|---------------------|-------------------|--------------|------------------------------------|--------------------|----------------------|----------------------|----------------------|----------------------|
|                   |                   | WWAN          | 2.4GHz WLAN Ant 2 | 2.4GHz WLAN Ant 4 | 5GHz WLAN Ant 4 | 5GHz WLAN Ant 5 | Bluetooth Ant 2 | 2.4GHz WLAN Ant 2+4 | 5GHz WLAN Ant 4+5 | PD           | 1+3+9 Summed Ratio                 | 1+7+9 Summed Ratio | 1+4+6+9 Summed Ratio | 1+5+6+9 Summed Ratio | 1+6+8+9 Summed Ratio | 1+2+5+9 Summed Ratio |
|                   |                   | 1g SAR (W/kg) | 1g SAR (W/kg)     | 1g SAR (W/kg)     | 1g SAR (W/kg)   | 1g SAR (W/kg)   | 1g SAR (W/kg)   | 1g SAR (W/kg)       | 1g SAR (W/kg)     | 4cm^2 (W/m2) |                                    |                    |                      |                      |                      |                      |
| GSM850_A NT 1     | Front             | 0.325         | 0.090             | 0.211             | 0.396           | 0.050           | 0.174           | 0.374               | 0.130             | 0.105        | 0.346                              | 0.447              | 0.570                | 0.354                | 0.404                | 0.301                |
|                   | Back              | 0.507         | 0.173             | 0.205             | 0.248           | 0.293           | 0.192           | 0.502               | 0.399             | 0.006        | 0.446                              | 0.631              | 0.592                | 0.621                | 0.687                | 0.609                |
|                   | Left side         | 0.221         | 0.219             |                   |                 | 0.133           | 0.195           | 0.521               | 0.150             | 0.001        | 0.138                              | 0.464              | 0.260                | 0.343                | 0.354                | 0.358                |
|                   | Right side        |               |                   | 0.013             | 0.048           |                 |                 | 0.095               | 0.030             | 0.004        | 0.009                              | 0.060              | 0.030                | 0.000                | 0.019                | 0.000                |
|                   | Top side          | 0.190         | 0.015             | 0.536             | 0.253           | 0.135           | 0.008           | 0.527               | 0.209             | 0.033        | 0.457                              | 0.451              | 0.285                | 0.211                | 0.258                | 0.216                |
| GSM1900_ ANT 1    | Bottom side       |               |                   |                   |                 |                 |                 |                     |                   |              | 0.000                              | 0.000              | 0.000                | 0.000                | 0.000                | 0.000                |
|                   | Front             | 0.630         | 0.090             | 0.211             | 0.396           | 0.050           | 0.174           | 0.374               | 0.130             | 0.105        | 0.536                              | 0.638              | 0.761                | 0.544                | 0.594                | 0.492                |
|                   | Back              | 0.982         | 0.173             | 0.205             | 0.248           | 0.293           | 0.192           | 0.502               | 0.399             | 0.006        | 0.742                              | 0.928              | 0.889                | 0.917                | 0.984                | 0.906                |
|                   | Left side         | 0.666         | 0.219             |                   |                 | 0.133           | 0.195           | 0.521               | 0.150             | 0.001        | 0.416                              | 0.742              | 0.538                | 0.621                | 0.632                | 0.636                |
|                   | Right side        |               |                   | 0.013             | 0.048           |                 |                 | 0.095               | 0.030             | 0.004        | 0.009                              | 0.060              | 0.030                | 0.000                | 0.019                | 0.000                |
| WCDMA II_ANT 1    | Top side          | 0.999         | 0.015             | 0.536             | 0.253           | 0.135           | 0.008           | 0.527               | 0.209             | 0.033        | 0.963                              | 0.957              | 0.791                | 0.717                | 0.763                | 0.721                |
|                   | Bottom side       |               |                   |                   |                 |                 |                 |                     |                   |              | 0.000                              | 0.000              | 0.000                | 0.000                | 0.000                | 0.000                |
|                   | Front             | 0.780         | 0.090             | 0.211             | 0.396           | 0.050           | 0.174           | 0.374               | 0.130             | 0.105        | 0.630                              | 0.732              | 0.854                | 0.638                | 0.688                | 0.586                |
|                   | Back              | 0.976         | 0.173             | 0.205             | 0.248           | 0.293           | 0.192           | 0.502               | 0.399             | 0.006        | 0.739                              | 0.924              | 0.886                | 0.914                | 0.980                | 0.902                |
|                   | Left side         | 0.528         | 0.219             |                   |                 | 0.133           | 0.195           | 0.521               | 0.150             | 0.001        | 0.330                              | 0.656              | 0.452                | 0.535                | 0.546                | 0.550                |
| WCDMA IV_ANT 1    | Right side        |               |                   | 0.013             | 0.048           |                 |                 | 0.095               | 0.030             | 0.004        | 0.009                              | 0.060              | 0.030                | 0.000                | 0.019                | 0.000                |
|                   | Top side          | 0.995         | 0.015             | 0.536             | 0.253           | 0.135           | 0.008           | 0.527               | 0.209             | 0.033        | 0.960                              | 0.955              | 0.788                | 0.715                | 0.761                | 0.719                |
|                   | Bottom side       |               |                   |                   |                 |                 |                 |                     |                   |              | 0.000                              | 0.000              | 0.000                | 0.000                | 0.000                | 0.000                |
|                   | Front             | 0.648         | 0.090             | 0.211             | 0.396           | 0.050           | 0.174           | 0.374               | 0.130             | 0.105        | 0.547                              | 0.649              | 0.772                | 0.556                | 0.606                | 0.503                |
|                   | Back              | 0.962         | 0.173             | 0.205             | 0.248           | 0.293           | 0.192           | 0.502               | 0.399             | 0.006        | 0.730                              | 0.916              | 0.877                | 0.905                | 0.971                | 0.893                |
| WCDMA V_ANT 1     | Left side         | 0.613         | 0.219             |                   |                 | 0.133           | 0.195           | 0.521               | 0.150             | 0.001        | 0.383                              | 0.709              | 0.505                | 0.588                | 0.599                | 0.603                |
|                   | Right side        |               |                   | 0.013             | 0.048           |                 |                 | 0.095               | 0.030             | 0.004        | 0.009                              | 0.060              | 0.030                | 0.000                | 0.019                | 0.000                |
|                   | Top side          | 0.974         | 0.015             | 0.536             | 0.253           | 0.135           | 0.008           | 0.527               | 0.209             | 0.033        | 0.947                              | 0.941              | 0.775                | 0.701                | 0.748                | 0.706                |
|                   | Bottom side       |               |                   |                   |                 |                 |                 |                     |                   |              | 0.000                              | 0.000              | 0.000                | 0.000                | 0.000                | 0.000                |
|                   | Front             | 0.378         | 0.090             | 0.211             | 0.396           | 0.050           | 0.174           | 0.374               | 0.130             | 0.105        | 0.379                              | 0.481              | 0.603                | 0.387                | 0.437                | 0.334                |
| CDMA BC1_ANT 1    | Back              | 0.685         | 0.173             | 0.205             | 0.248           | 0.293           | 0.192           | 0.502               | 0.399             | 0.006        | 0.557                              | 0.742              | 0.704                | 0.732                | 0.798                | 0.720                |
|                   | Left side         | 0.282         | 0.219             |                   |                 | 0.133           | 0.195           | 0.521               | 0.150             | 0.001        | 0.176                              | 0.502              | 0.298                | 0.381                | 0.392                | 0.396                |
|                   | Right side        |               |                   | 0.013             | 0.048           |                 |                 | 0.095               | 0.030             | 0.004        | 0.009                              | 0.060              | 0.030                | 0.000                | 0.019                | 0.000                |
|                   | Top side          | 0.234         | 0.015             | 0.536             | 0.253           | 0.135           | 0.008           | 0.527               | 0.209             | 0.033        | 0.485                              | 0.479              | 0.313                | 0.239                | 0.285                | 0.243                |
|                   | Bottom side       |               |                   |                   |                 |                 |                 |                     |                   |              | 0.000                              | 0.000              | 0.000                | 0.000                | 0.000                | 0.000                |
| CDMA BC0_ANT 1    | Front             | 0.805         | 0.090             | 0.211             | 0.396           | 0.050           | 0.174           | 0.374               | 0.130             | 0.105        | 0.646                              | 0.747              | 0.870                | 0.654                | 0.704                | 0.601                |
|                   | Back              | 0.965         | 0.173             | 0.205             | 0.248           | 0.293           | 0.192           | 0.502               | 0.399             | 0.006        | 0.732                              | 0.917              | 0.879                | 0.907                | 0.973                | 0.895                |
|                   | Left side         | 0.119         | 0.219             |                   |                 | 0.133           | 0.195           | 0.521               | 0.150             | 0.001        | 0.074                              | 0.400              | 0.196                | 0.279                | 0.290                | 0.294                |
|                   | Right side        |               |                   | 0.013             | 0.048           |                 |                 | 0.095               | 0.030             | 0.004        | 0.009                              | 0.060              | 0.030                | 0.000                | 0.019                | 0.000                |
|                   | Top side          | 0.995         | 0.015             | 0.536             | 0.253           | 0.135           | 0.008           | 0.527               | 0.209             | 0.033        | 0.960                              | 0.955              | 0.788                | 0.715                | 0.761                | 0.719                |
| CDMA BC10_ANT 1   | Bottom side       |               |                   |                   |                 |                 |                 |                     |                   |              | 0.000                              | 0.000              | 0.000                | 0.000                | 0.000                | 0.000                |
|                   | Front             | 0.363         | 0.090             | 0.211             | 0.396           | 0.050           | 0.174           | 0.374               | 0.130             | 0.105        | 0.369                              | 0.471              | 0.594                | 0.377                | 0.427                | 0.325                |
|                   | Back              | 0.444         | 0.173             | 0.205             | 0.248           | 0.293           | 0.192           | 0.502               | 0.399             | 0.006        | 0.406                              | 0.592              | 0.553                | 0.581                | 0.647                | 0.569                |
|                   | Left side         | 0.238         | 0.219             |                   |                 | 0.133           | 0.195           | 0.521               | 0.150             | 0.001        | 0.149                              | 0.474              | 0.271                | 0.354                | 0.364                | 0.369                |
|                   | Right side        |               |                   | 0.013             | 0.048           |                 |                 | 0.095               | 0.030             | 0.004        | 0.009                              | 0.060              | 0.030                | 0.000                | 0.019                | 0.000                |
| LTE Band 7_ANT 1  | Top side          | 0.204         | 0.015             | 0.536             | 0.253           | 0.135           | 0.008           | 0.527               | 0.209             | 0.033        | 0.466                              | 0.460              | 0.294                | 0.220                | 0.266                | 0.225                |
|                   | Bottom side       |               |                   |                   |                 |                 |                 |                     |                   |              | 0.000                              | 0.000              | 0.000                | 0.000                | 0.000                | 0.000                |
|                   | Front             | 0.224         | 0.090             | 0.211             | 0.396           | 0.050           | 0.174           | 0.374               | 0.130             | 0.105        | 0.282                              | 0.384              | 0.507                | 0.291                | 0.341                | 0.238                |
|                   | Back              | 0.251         | 0.173             | 0.205             | 0.248           | 0.293           | 0.192           | 0.502               | 0.399             | 0.006        | 0.286                              | 0.471              | 0.432                | 0.461                | 0.527                | 0.449                |
|                   | Left side         | 0.163         | 0.219             |                   |                 | 0.133           | 0.195           | 0.521               | 0.150             | 0.001        | 0.102                              | 0.428              | 0.224                | 0.307                | 0.318                | 0.322                |
| LTE Band 12_ANT 1 | Right side        |               |                   | 0.013             | 0.048           |                 |                 | 0.095               | 0.030             | 0.004        | 0.009                              | 0.060              | 0.030                | 0.000                | 0.019                | 0.000                |
|                   | Top side          | 0.130         | 0.015             | 0.536             | 0.253           | 0.135           | 0.008           | 0.527               | 0.209             | 0.033        | 0.420                              | 0.414              | 0.248                | 0.174                | 0.220                | 0.178                |
|                   | Bottom side       |               |                   |                   |                 |                 |                 |                     |                   |              | 0.000                              | 0.000              | 0.000                | 0.000                | 0.000                | 0.000                |
|                   | Front             | 0.795         | 0.090             | 0.211             | 0.396           | 0.050           | 0.174           | 0.374               | 0.130             | 0.105        | 0.639                              | 0.741              | 0.864                | 0.647                | 0.697                | 0.595                |
|                   | Back              | 0.862         | 0.173             | 0.205             | 0.248           | 0.293           | 0.192           | 0.502               | 0.399             | 0.006        | 0.667                              | 0.853              | 0.814                | 0.842                | 0.909                | 0.831                |
| LTE Band 13_ANT 1 | Left side         | 0.386         | 0.219             |                   |                 | 0.133           | 0.195           | 0.521               | 0.150             | 0.001        | 0.241                              | 0.567              | 0.363                | 0.446                | 0.457                | 0.461                |
|                   | Right side        |               |                   | 0.013             | 0.048           |                 |                 | 0.095               | 0.030             | 0.004        | 0.009                              | 0.060              | 0.030                | 0.000                | 0.019                | 0.000                |
|                   | Top side          | 0.896         | 0.015             | 0.536             | 0.253           | 0.135           | 0.008           | 0.527               | 0.209             | 0.033        | 0.898                              | 0.893              | 0.726                | 0.653                | 0.699                | 0.657                |
|                   | Bottom side       |               |                   |                   |                 |                 |                 |                     |                   |              | 0.000                              | 0.000              | 0.000                | 0.000                | 0.000                | 0.000                |
|                   | Front             | 0.261         | 0.090             | 0.211             | 0.396           | 0.050           | 0.174           | 0.374               | 0.130             | 0.105        | 0.306                              | 0.407              | 0.530                | 0.314                | 0.364                | 0.261                |
| LTE Band 13_ANT 1 | Back              | 0.208         | 0.173             | 0.205             | 0.248           | 0.293           | 0.192           | 0.502               | 0.399             | 0.006        | 0.259                              | 0.444              | 0.406                | 0.434                | 0.500                | 0.422                |
|                   | Left side         | 0.381         | 0.219             |                   |                 | 0.133           | 0.195           | 0.521               | 0.150             | 0.001        | 0.238                              | 0.564              | 0.360                | 0.443                | 0.454                | 0.458                |
|                   | Right side        |               |                   | 0.013             | 0.048           |                 |                 | 0.095               | 0.030             | 0.004        | 0.009                              | 0.060              | 0.030                | 0.000                | 0.019                | 0.000                |
|                   | Top side          | 0.189         | 0.015             | 0.536             | 0.253           | 0.135           | 0.008           | 0.527               | 0.209             | 0.033        | 0.456                              | 0.451              | 0.285                | 0.211                | 0.257                | 0.215                |
|                   | Bottom side       |               |                   |                   |                 |                 |                 |                     |                   |              | 0.000                              | 0.000              | 0.000                | 0.000                | 0.000                | 0.000                |
| LTE Band 13_ANT 1 | Front             | 0.365         | 0.090             | 0.211             | 0.396           | 0.050           | 0.174           | 0.374               | 0.130             | 0.105        | 0.371                              | 0.472              | 0.595                | 0.379                | 0.429                | 0.326                |
|                   | Back              | 0.250         | 0.173             | 0.205             | 0.248           | 0.293           | 0.192           | 0.502               | 0.399             | 0.006        | 0.285                              | 0.471              | 0.432                | 0.460                | 0.526                | 0.448                |
|                   | Left side         | 0.693         | 0.219             |                   |                 | 0.133           | 0.195           | 0.521               | 0.150             | 0.001        | 0.433                              | 0.759              | 0.555                | 0.638                | 0.649                | 0.653                |
|                   | Right side        |               |                   | 0.013             | 0.048           |                 |                 | 0.095               | 0.030             | 0.004        | 0.009                              | 0.060              | 0.030                | 0.000                | 0.019                | 0.000                |
|                   | Top side          | 0.215         | 0.015             | 0.536             | 0.253           | 0.135           | 0.008           | 0.527               | 0.209             | 0.033        | 0.473                              | 0.467              | 0.301                | 0.227                | 0.273                | 0.231                |
| LTE Band 13_ANT 1 | Bottom side       |               |                   |                   |                 |                 |                 |                     |                   |              | 0.000                              | 0.000              | 0.000                | 0.000                | 0.000                | 0.000                |



# RF EXPOSURE EVALUATION REPORT

Report No. :FA8N0620-05C

|                   |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|-------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| LTE Band 14_ANT 1 | Front       | 0.379 | 0.090 | 0.211 | 0.396 | 0.050 | 0.174 | 0.374 | 0.130 | 0.105 | 0.379 | 0.481 | 0.604 | 0.387 | 0.437 | 0.335 |
|                   | Back        | 0.213 | 0.173 | 0.205 | 0.248 | 0.293 | 0.192 | 0.502 | 0.399 | 0.006 | 0.262 | 0.447 | 0.409 | 0.437 | 0.503 | 0.425 |
|                   | Left side   | 0.401 | 0.219 |       |       | 0.133 | 0.195 | 0.521 | 0.150 | 0.001 | 0.251 | 0.576 | 0.373 | 0.456 | 0.466 | 0.471 |
|                   | Right side  |       |       | 0.013 | 0.048 |       |       | 0.095 | 0.030 | 0.004 | 0.009 | 0.060 | 0.030 | 0.000 | 0.019 | 0.000 |
|                   | Top side    | 0.152 | 0.015 | 0.536 | 0.253 | 0.135 | 0.008 | 0.527 | 0.209 | 0.033 | 0.433 | 0.428 | 0.261 | 0.188 | 0.234 | 0.192 |
|                   | Bottom side |       |       |       |       |       |       |       |       |       | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| LTE Band 25_ANT 1 | Front       | 0.648 | 0.090 | 0.211 | 0.396 | 0.050 | 0.174 | 0.374 | 0.130 | 0.105 | 0.547 | 0.649 | 0.772 | 0.556 | 0.606 | 0.503 |
|                   | Back        | 0.714 | 0.173 | 0.205 | 0.248 | 0.293 | 0.192 | 0.502 | 0.399 | 0.006 | 0.575 | 0.761 | 0.722 | 0.750 | 0.816 | 0.738 |
|                   | Left side   | 0.399 | 0.219 |       |       | 0.133 | 0.195 | 0.521 | 0.150 | 0.001 | 0.249 | 0.575 | 0.371 | 0.454 | 0.465 | 0.469 |
|                   | Right side  |       |       | 0.013 | 0.048 |       |       | 0.095 | 0.030 | 0.004 | 0.009 | 0.060 | 0.030 | 0.000 | 0.019 | 0.000 |
|                   | Top side    | 0.842 | 0.015 | 0.536 | 0.253 | 0.135 | 0.008 | 0.527 | 0.209 | 0.033 | 0.865 | 0.859 | 0.693 | 0.619 | 0.665 | 0.623 |
|                   | Bottom side |       |       |       |       |       |       |       |       |       | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| LTE Band 26_ANT 1 | Front       | 0.522 | 0.090 | 0.211 | 0.396 | 0.050 | 0.174 | 0.374 | 0.130 | 0.105 | 0.469 | 0.571 | 0.693 | 0.477 | 0.527 | 0.424 |
|                   | Back        | 0.519 | 0.173 | 0.205 | 0.248 | 0.293 | 0.192 | 0.502 | 0.399 | 0.006 | 0.453 | 0.639 | 0.600 | 0.628 | 0.694 | 0.616 |
|                   | Left side   | 0.414 | 0.219 |       |       | 0.133 | 0.195 | 0.521 | 0.150 | 0.001 | 0.259 | 0.584 | 0.381 | 0.464 | 0.474 | 0.479 |
|                   | Right side  |       |       | 0.013 | 0.048 |       |       | 0.095 | 0.030 | 0.004 | 0.009 | 0.060 | 0.030 | 0.000 | 0.019 | 0.000 |
|                   | Top side    | 0.333 | 0.015 | 0.536 | 0.253 | 0.135 | 0.008 | 0.527 | 0.209 | 0.033 | 0.546 | 0.541 | 0.375 | 0.301 | 0.347 | 0.305 |
|                   | Bottom side |       |       |       |       |       |       |       |       |       | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| LTE Band 30_ANT 1 | Front       | 0.958 | 0.090 | 0.211 | 0.396 | 0.050 | 0.174 | 0.374 | 0.130 | 0.105 | 0.741 | 0.843 | 0.966 | 0.749 | 0.799 | 0.697 |
|                   | Back        | 0.997 | 0.173 | 0.205 | 0.248 | 0.293 | 0.192 | 0.502 | 0.399 | 0.006 | 0.752 | 0.937 | 0.899 | 0.927 | 0.993 | 0.915 |
|                   | Left side   | 0.641 | 0.219 |       |       | 0.133 | 0.195 | 0.521 | 0.150 | 0.001 | 0.401 | 0.726 | 0.523 | 0.606 | 0.616 | 0.621 |
|                   | Right side  |       |       | 0.013 | 0.048 |       |       | 0.095 | 0.030 | 0.004 | 0.009 | 0.060 | 0.030 | 0.000 | 0.019 | 0.000 |
|                   | Top side    | 0.903 | 0.015 | 0.536 | 0.253 | 0.135 | 0.008 | 0.527 | 0.209 | 0.033 | 0.903 | 0.897 | 0.731 | 0.657 | 0.703 | 0.661 |
|                   | Bottom side |       |       |       |       |       |       |       |       |       | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| LTE Band 41_ANT 1 | Front       | 0.403 | 0.090 | 0.211 | 0.396 | 0.050 | 0.174 | 0.374 | 0.130 | 0.105 | 0.394 | 0.496 | 0.619 | 0.402 | 0.452 | 0.350 |
|                   | Back        | 0.473 | 0.173 | 0.205 | 0.248 | 0.293 | 0.192 | 0.502 | 0.399 | 0.006 | 0.424 | 0.610 | 0.571 | 0.599 | 0.666 | 0.587 |
|                   | Left side   | 0.371 | 0.219 |       |       | 0.133 | 0.195 | 0.521 | 0.150 | 0.001 | 0.232 | 0.558 | 0.354 | 0.437 | 0.448 | 0.452 |
|                   | Right side  |       |       | 0.013 | 0.048 |       |       | 0.095 | 0.030 | 0.004 | 0.009 | 0.060 | 0.030 | 0.000 | 0.019 | 0.000 |
|                   | Top side    | 0.958 | 0.015 | 0.536 | 0.253 | 0.135 | 0.008 | 0.527 | 0.209 | 0.033 | 0.937 | 0.931 | 0.765 | 0.691 | 0.738 | 0.696 |
|                   | Bottom side |       |       |       |       |       |       |       |       |       | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| LTE Band 48_ANT 1 | Front       | 0.126 | 0.090 | 0.211 | 0.396 | 0.050 | 0.174 | 0.374 | 0.130 | 0.105 | 0.221 | 0.323 | 0.446 | 0.229 | 0.279 | 0.177 |
|                   | Back        | 0.257 | 0.173 | 0.205 | 0.248 | 0.293 | 0.192 | 0.502 | 0.399 | 0.006 | 0.289 | 0.475 | 0.436 | 0.464 | 0.531 | 0.452 |
|                   | Left side   | 0.099 | 0.219 |       |       | 0.133 | 0.195 | 0.521 | 0.150 | 0.001 | 0.062 | 0.388 | 0.184 | 0.267 | 0.278 | 0.282 |
|                   | Right side  |       |       | 0.013 | 0.048 |       |       | 0.095 | 0.030 | 0.004 | 0.009 | 0.060 | 0.030 | 0.000 | 0.019 | 0.000 |
|                   | Top side    | 0.356 | 0.015 | 0.536 | 0.253 | 0.135 | 0.008 | 0.527 | 0.209 | 0.033 | 0.561 | 0.555 | 0.389 | 0.315 | 0.361 | 0.320 |
|                   | Bottom side |       |       |       |       |       |       |       |       |       | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| LTE Band 66_ANT 1 | Front       | 0.727 | 0.090 | 0.211 | 0.396 | 0.050 | 0.174 | 0.374 | 0.130 | 0.105 | 0.597 | 0.699 | 0.821 | 0.605 | 0.655 | 0.552 |
|                   | Back        | 0.916 | 0.173 | 0.205 | 0.248 | 0.293 | 0.192 | 0.502 | 0.399 | 0.006 | 0.701 | 0.887 | 0.848 | 0.876 | 0.942 | 0.864 |
|                   | Left side   | 0.510 | 0.219 |       |       | 0.133 | 0.195 | 0.521 | 0.150 | 0.001 | 0.319 | 0.644 | 0.441 | 0.524 | 0.534 | 0.539 |
|                   | Right side  |       |       | 0.013 | 0.048 |       |       | 0.095 | 0.030 | 0.004 | 0.009 | 0.060 | 0.030 | 0.000 | 0.019 | 0.000 |
|                   | Top side    | 0.834 | 0.015 | 0.536 | 0.253 | 0.135 | 0.008 | 0.527 | 0.209 | 0.033 | 0.860 | 0.854 | 0.688 | 0.614 | 0.660 | 0.618 |
|                   | Bottom side |       |       |       |       |       |       |       |       |       | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| LTE Band 71_ANT 1 | Front       | 0.169 | 0.090 | 0.211 | 0.396 | 0.050 | 0.174 | 0.374 | 0.130 | 0.105 | 0.248 | 0.350 | 0.472 | 0.256 | 0.306 | 0.204 |
|                   | Back        | 0.177 | 0.173 | 0.205 | 0.248 | 0.293 | 0.192 | 0.502 | 0.399 | 0.006 | 0.239 | 0.425 | 0.386 | 0.414 | 0.481 | 0.402 |
|                   | Left side   | 0.295 | 0.219 |       |       | 0.133 | 0.195 | 0.521 | 0.150 | 0.001 | 0.184 | 0.510 | 0.306 | 0.389 | 0.400 | 0.404 |
|                   | Right side  |       |       | 0.013 | 0.048 |       |       | 0.095 | 0.030 | 0.004 | 0.009 | 0.060 | 0.030 | 0.000 | 0.019 | 0.000 |
|                   | Top side    | 0.117 | 0.015 | 0.536 | 0.253 | 0.135 | 0.008 | 0.527 | 0.209 | 0.033 | 0.411 | 0.406 | 0.240 | 0.166 | 0.212 | 0.170 |
|                   | Bottom side |       |       |       |       |       |       |       |       |       | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

## <WWAN 6 antenna>

| WWAN Band         | Exposure Position | 1             | 2                 | 3                 | 4               | 5               | 6               | 7                   | 8                 | 9            | Reported SAR/1.6 + PD/10 Summation |                    |                      |                      |                      |                      |
|-------------------|-------------------|---------------|-------------------|-------------------|-----------------|-----------------|-----------------|---------------------|-------------------|--------------|------------------------------------|--------------------|----------------------|----------------------|----------------------|----------------------|
|                   |                   | WWAN          | 2.4GHz WLAN Ant 2 | 2.4GHz WLAN Ant 4 | 5GHz WLAN Ant 4 | 5GHz WLAN Ant 5 | Bluetooth Ant 2 | 2.4GHz WLAN Ant 2+4 | 5GHz WLAN Ant 4+5 | PD           | 1+3+9 Summed Ratio                 | 1+7+9 Summed Ratio | 1+4+6+9 Summed Ratio | 1+5+6+9 Summed Ratio | 1+6+8+9 Summed Ratio | 1+2+5+9 Summed Ratio |
|                   |                   | 1g SAR (W/kg) | 1g SAR (W/kg)     | 1g SAR (W/kg)     | 1g SAR (W/kg)   | 1g SAR (W/kg)   | 1g SAR (W/kg)   | 1g SAR (W/kg)       | 1g SAR (W/kg)     | 4cm^2 (W/m2) |                                    |                    |                      |                      |                      |                      |
| LTE Band 48_ANT 6 | Front             | 0.299         | 0.090             | 0.211             | 0.396           | 0.050           | 0.174           | 0.374               | 0.130             | 0.105        | 0.329                              | 0.431              | 0.554                | 0.337                | 0.387                | 0.285                |
|                   | Back              | 0.551         | 0.173             | 0.205             | 0.248           | 0.293           | 0.192           | 0.502               | 0.399             | 0.006        | 0.473                              | 0.659              | 0.620                | 0.648                | 0.714                | 0.636                |
|                   | Left side         | 0.745         | 0.219             |                   |                 | 0.133           | 0.195           | 0.521               | 0.150             | 0.001        | 0.466                              | 0.791              | 0.588                | 0.671                | 0.681                | 0.686                |
|                   | Right side        |               |                   | 0.013             | 0.048           |                 |                 | 0.095               | 0.030             | 0.004        | 0.009                              | 0.060              | 0.030                | 0.000                | 0.019                | 0.000                |
|                   | Top side          |               | 0.015             | 0.536             | 0.253           | 0.135           | 0.008           | 0.527               | 0.209             | 0.033        | 0.338                              | 0.333              | 0.166                | 0.093                | 0.139                | 0.097                |
|                   | Bottom side       | 0.157         |                   |                   |                 |                 |                 |                     |                   |              | 0.098                              | 0.098              | 0.098                | 0.098                | 0.098                | 0.098                |

**<Body-Worn Accessory Exposure Conditions>**
**<Standalone>**

| Exposure Position | 2                 | 3                 | 4               | 5               | 6               | 7                 | 8                                    | Reported SAR/1.6 + PD/10 Summation |                    |                    |                    |
|-------------------|-------------------|-------------------|-----------------|-----------------|-----------------|-------------------|--------------------------------------|------------------------------------|--------------------|--------------------|--------------------|
|                   | 2.4GHz WLAN Ant 2 | 2.4GHz WLAN Ant 4 | 5GHz WLAN Ant 4 | 5GHz WLAN Ant 5 | Bluetooth Ant 2 | 5GHz WLAN Ant 4+5 | PD                                   | 2+5+8 Summed Ratio                 | 4+6+8 Summed Ratio | 5+6+8 Summed Ratio | 6+7+8 Summed Ratio |
|                   | 1g SAR (W/kg)     | 1g SAR (W/kg)     | 1g SAR (W/kg)   | 1g SAR (W/kg)   | 1g SAR (W/kg)   | 1g SAR (W/kg)     | 4cm <sup>2</sup> (W/m <sup>2</sup> ) |                                    |                    |                    |                    |
| Front             | 0.517             | 0.419             | 0.438           | 0.081           | 0.241           | 0.143             | 0.105                                | <b>0.384</b>                       | <b>0.435</b>       | <b>0.212</b>       | <b>0.227</b>       |
| Back              | 0.786             | 0.431             | 0.310           | 0.797           | 0.418           | 0.879             | 0.006                                | <b>0.990</b>                       | <b>0.456</b>       | <b>0.760</b>       | <b>0.266</b>       |

| Exposure Position | 2                 | 3                 | 8                                    | Reported SAR/1.6 + PD/10 Summation |
|-------------------|-------------------|-------------------|--------------------------------------|------------------------------------|
|                   | 2.4GHz WLAN Ant 2 | 2.4GHz WLAN Ant 4 | PD                                   | 2+3+8 Ratio                        |
|                   | 1g SAR (W/kg)     | 1g SAR (W/kg)     | 4cm <sup>2</sup> (W/m <sup>2</sup> ) |                                    |
| Front             | 0.750             | 0.419             | 0.105                                | <b>0.741</b>                       |
| Back              | 1.118             | 0.431             | 0.006                                | <b>0.969</b>                       |

**<Simultaneous Transmission is active>**
**<WWAN 0B antenna>**

| WWAN Band          | Exposure Position | 1             | 2                 | 3                 | 4               | 5               | 6               | 7                   | 8                 | 9                                    | Reported SAR/1.6 + PD/10 Summation |                    |                      |                      |                      |                      |
|--------------------|-------------------|---------------|-------------------|-------------------|-----------------|-----------------|-----------------|---------------------|-------------------|--------------------------------------|------------------------------------|--------------------|----------------------|----------------------|----------------------|----------------------|
|                    |                   | WWAN          | 2.4GHz WLAN Ant 2 | 2.4GHz WLAN Ant 4 | 5GHz WLAN Ant 4 | 5GHz WLAN Ant 5 | Bluetooth Ant 2 | 2.4GHz WLAN Ant 2+4 | 5GHz WLAN Ant 4+5 | PD                                   | 1+3+9 Summed Ratio                 | 1+7+9 Summed Ratio | 1+4+6+9 Summed Ratio | 1+5+6+9 Summed Ratio | 1+6+8+9 Summed Ratio | 1+2+5+9 Summed Ratio |
|                    |                   | 1g SAR (W/kg) | 1g SAR (W/kg)     | 1g SAR (W/kg)     | 1g SAR (W/kg)   | 1g SAR (W/kg)   | 1g SAR (W/kg)   | 1g SAR (W/kg)       | 1g SAR (W/kg)     | 4cm <sup>2</sup> (W/m <sup>2</sup> ) |                                    |                    |                      |                      |                      |                      |
| GSM1900_ANT 0B     | Front             | 0.578         | 0.090             | 0.211             | 0.396           | 0.050           | 0.174           | 0.374               | 0.136             | 0.105                                | <b>0.504</b>                       | <b>0.606</b>       | <b>0.728</b>         | <b>0.512</b>         | <b>0.566</b>         | <b>0.459</b>         |
|                    | Back              | 0.991         | 0.173             | 0.205             | 0.248           | 0.293           | 0.192           | 0.502               | 0.399             | 0.006                                | <b>0.748</b>                       | <b>0.934</b>       | <b>0.895</b>         | <b>0.923</b>         | <b>0.989</b>         | <b>0.911</b>         |
| WCDMA IV_ANT 0B    | Front             | 0.598         | 0.090             | 0.211             | 0.396           | 0.050           | 0.174           | 0.374               | 0.136             | 0.105                                | <b>0.516</b>                       | <b>0.618</b>       | <b>0.741</b>         | <b>0.524</b>         | <b>0.578</b>         | <b>0.472</b>         |
|                    | Back              | 0.627         | 0.173             | 0.205             | 0.248           | 0.293           | 0.192           | 0.502               | 0.399             | 0.006                                | <b>0.521</b>                       | <b>0.706</b>       | <b>0.667</b>         | <b>0.696</b>         | <b>0.762</b>         | <b>0.684</b>         |
| CDMA BC1_ANT 0B    | Front             | 0.694         | 0.090             | 0.211             | 0.396           | 0.050           | 0.174           | 0.374               | 0.136             | 0.105                                | <b>0.576</b>                       | <b>0.678</b>       | <b>0.801</b>         | <b>0.584</b>         | <b>0.638</b>         | <b>0.532</b>         |
|                    | Back              | 0.987         | 0.173             | 0.205             | 0.248           | 0.293           | 0.192           | 0.502               | 0.399             | 0.006                                | <b>0.746</b>                       | <b>0.931</b>       | <b>0.892</b>         | <b>0.921</b>         | <b>0.987</b>         | <b>0.909</b>         |
| LTE Band 7_ANT 0B  | Front             | 0.765         | 0.090             | 0.211             | 0.396           | 0.050           | 0.174           | 0.374               | 0.136             | 0.105                                | <b>0.621</b>                       | <b>0.722</b>       | <b>0.845</b>         | <b>0.629</b>         | <b>0.682</b>         | <b>0.576</b>         |
|                    | Back              | 0.907         | 0.173             | 0.205             | 0.248           | 0.293           | 0.192           | 0.502               | 0.399             | 0.006                                | <b>0.696</b>                       | <b>0.881</b>       | <b>0.842</b>         | <b>0.871</b>         | <b>0.937</b>         | <b>0.859</b>         |
| LTE Band 25_ANT 0B | Front             | 0.709         | 0.090             | 0.211             | 0.396           | 0.050           | 0.174           | 0.374               | 0.136             | 0.105                                | <b>0.586</b>                       | <b>0.687</b>       | <b>0.810</b>         | <b>0.594</b>         | <b>0.647</b>         | <b>0.541</b>         |
|                    | Back              | 0.999         | 0.173             | 0.205             | 0.248           | 0.293           | 0.192           | 0.502               | 0.399             | 0.006                                | <b>0.753</b>                       | <b>0.939</b>       | <b>0.900</b>         | <b>0.928</b>         | <b>0.994</b>         | <b>0.916</b>         |
| LTE Band 30_ANT 0B | Front             | 0.473         | 0.090             | 0.211             | 0.396           | 0.050           | 0.174           | 0.374               | 0.136             | 0.105                                | <b>0.438</b>                       | <b>0.540</b>       | <b>0.662</b>         | <b>0.446</b>         | <b>0.500</b>         | <b>0.394</b>         |
|                    | Back              | 0.704         | 0.173             | 0.205             | 0.248           | 0.293           | 0.192           | 0.502               | 0.399             | 0.006                                | <b>0.569</b>                       | <b>0.754</b>       | <b>0.716</b>         | <b>0.744</b>         | <b>0.810</b>         | <b>0.732</b>         |
| LTE Band 41_ANT 0B | Front             | 0.533         | 0.090             | 0.211             | 0.396           | 0.050           | 0.174           | 0.374               | 0.136             | 0.105                                | <b>0.476</b>                       | <b>0.577</b>       | <b>0.700</b>         | <b>0.484</b>         | <b>0.537</b>         | <b>0.431</b>         |
|                    | Back              | 0.945         | 0.173             | 0.205             | 0.248           | 0.293           | 0.192           | 0.502               | 0.399             | 0.006                                | <b>0.719</b>                       | <b>0.905</b>       | <b>0.866</b>         | <b>0.894</b>         | <b>0.961</b>         | <b>0.882</b>         |
| LTE Band 66_ANT 0B | Front             | 0.573         | 0.090             | 0.211             | 0.396           | 0.050           | 0.174           | 0.374               | 0.136             | 0.105                                | <b>0.501</b>                       | <b>0.602</b>       | <b>0.725</b>         | <b>0.509</b>         | <b>0.562</b>         | <b>0.456</b>         |
|                    | Back              | 0.649         | 0.173             | 0.205             | 0.248           | 0.293           | 0.192           | 0.502               | 0.399             | 0.006                                | <b>0.534</b>                       | <b>0.720</b>       | <b>0.681</b>         | <b>0.709</b>         | <b>0.776</b>         | <b>0.697</b>         |



# RF EXPOSURE EVALUATION REPORT

Report No. :FA8N0620-05C

## <WWAN 0C antenna>

| WWAN Band          | Exposure Position |                          |                                             |                                             |                                           |                                           |                                        |                                               |                                             |                       |  | Reported SAR/1.6 + PD/10 Summation |                    |                      |                      |                      |                      |
|--------------------|-------------------|--------------------------|---------------------------------------------|---------------------------------------------|-------------------------------------------|-------------------------------------------|----------------------------------------|-----------------------------------------------|---------------------------------------------|-----------------------|--|------------------------------------|--------------------|----------------------|----------------------|----------------------|----------------------|
|                    |                   | 1                        | 2                                           | 3                                           | 4                                         | 5                                         | 6                                      | 7                                             | 8                                           | 9                     |  | 1+3+9 Summed Ratio                 | 1+7+9 Summed Ratio | 1+4+6+9 Summed Ratio | 1+5+6+9 Summed Ratio | 1+6+8+9 Summed Ratio | 1+2+5+9 Summed Ratio |
|                    |                   | WWAN<br>1g SAR<br>(W/kg) | 2.4GHz<br>WLAN<br>Ant 2<br>1g SAR<br>(W/kg) | 2.4GHz<br>WLAN<br>Ant 4<br>1g SAR<br>(W/kg) | 5GHz<br>WLAN<br>Ant 4<br>1g SAR<br>(W/kg) | 5GHz<br>WLAN<br>Ant 5<br>1g SAR<br>(W/kg) | Bluetooth<br>Ant 2<br>1g SAR<br>(W/kg) | 2.4GHz<br>WLAN<br>Ant 2+4<br>1g SAR<br>(W/kg) | 5GHz<br>WLAN<br>Ant 4+5<br>1g SAR<br>(W/kg) | PD<br>4cm^2<br>(W/m2) |  |                                    |                    |                      |                      |                      |                      |
| GSM850_ANT 0C      | Front             | 0.922                    | 0.090                                       | 0.211                                       | 0.396                                     | 0.050                                     | 0.174                                  | 0.374                                         | 0.136                                       | 0.105                 |  | 0.719                              | 0.821              | 0.943                | 0.727                | 0.781                | 0.674                |
|                    | Back              | 0.979                    | 0.173                                       | 0.205                                       | 0.248                                     | 0.293                                     | 0.192                                  | 0.502                                         | 0.399                                       | 0.006                 |  | 0.741                              | 0.926              | 0.887                | 0.916                | 0.982                | 0.904                |
| GSM1900_ANT 0C     | Front             | 0.369                    | 0.090                                       | 0.211                                       | 0.396                                     | 0.050                                     | 0.174                                  | 0.374                                         | 0.136                                       | 0.105                 |  | 0.373                              | 0.475              | 0.597                | 0.381                | 0.435                | 0.329                |
|                    | Back              | 0.520                    | 0.173                                       | 0.205                                       | 0.248                                     | 0.293                                     | 0.192                                  | 0.502                                         | 0.399                                       | 0.006                 |  | 0.454                              | 0.639              | 0.601                | 0.629                | 0.695                | 0.617                |
| WCDMA IV_ANT 0C    | Front             | 0.316                    | 0.090                                       | 0.211                                       | 0.396                                     | 0.050                                     | 0.174                                  | 0.374                                         | 0.136                                       | 0.105                 |  | 0.340                              | 0.442              | 0.564                | 0.348                | 0.402                | 0.296                |
|                    | Back              | 0.423                    | 0.173                                       | 0.205                                       | 0.248                                     | 0.293                                     | 0.192                                  | 0.502                                         | 0.399                                       | 0.006                 |  | 0.393                              | 0.579              | 0.540                | 0.568                | 0.634                | 0.556                |
| WCDMA V_ANT 0C     | Front             | 0.872                    | 0.090                                       | 0.211                                       | 0.396                                     | 0.050                                     | 0.174                                  | 0.374                                         | 0.136                                       | 0.105                 |  | 0.687                              | 0.789              | 0.912                | 0.696                | 0.749                | 0.643                |
|                    | Back              | 0.997                    | 0.173                                       | 0.205                                       | 0.248                                     | 0.293                                     | 0.192                                  | 0.502                                         | 0.399                                       | 0.006                 |  | 0.752                              | 0.937              | 0.899                | 0.927                | 0.993                | 0.915                |
| CDMA BC1_ANT 0C    | Front             | 0.523                    | 0.090                                       | 0.211                                       | 0.396                                     | 0.050                                     | 0.174                                  | 0.374                                         | 0.136                                       | 0.105                 |  | 0.469                              | 0.571              | 0.694                | 0.477                | 0.531                | 0.425                |
|                    | Back              | 0.770                    | 0.173                                       | 0.205                                       | 0.248                                     | 0.293                                     | 0.192                                  | 0.502                                         | 0.399                                       | 0.006                 |  | 0.610                              | 0.796              | 0.757                | 0.785                | 0.851                | 0.773                |
| CDMA BC10_ANT 0C   | Front             | 0.857                    | 0.090                                       | 0.211                                       | 0.396                                     | 0.050                                     | 0.174                                  | 0.374                                         | 0.136                                       | 0.105                 |  | 0.678                              | 0.780              | 0.902                | 0.686                | 0.740                | 0.634                |
|                    | Back              | 0.983                    | 0.173                                       | 0.205                                       | 0.248                                     | 0.293                                     | 0.192                                  | 0.502                                         | 0.399                                       | 0.006                 |  | 0.743                              | 0.929              | 0.890                | 0.918                | 0.984                | 0.906                |
| LTE Band 12_ANT 0C | Front             | 0.335                    | 0.090                                       | 0.211                                       | 0.396                                     | 0.050                                     | 0.174                                  | 0.374                                         | 0.136                                       | 0.105                 |  | 0.352                              | 0.454              | 0.576                | 0.360                | 0.414                | 0.307                |
|                    | Back              | 0.384                    | 0.173                                       | 0.205                                       | 0.248                                     | 0.293                                     | 0.192                                  | 0.502                                         | 0.399                                       | 0.006                 |  | 0.369                              | 0.554              | 0.516                | 0.544                | 0.610                | 0.532                |
| LTE Band 14_ANT 0C | Front             | 0.550                    | 0.090                                       | 0.211                                       | 0.396                                     | 0.050                                     | 0.174                                  | 0.374                                         | 0.136                                       | 0.105                 |  | 0.486                              | 0.588              | 0.711                | 0.494                | 0.548                | 0.442                |
|                    | Back              | 0.978                    | 0.173                                       | 0.205                                       | 0.248                                     | 0.293                                     | 0.192                                  | 0.502                                         | 0.399                                       | 0.006                 |  | 0.740                              | 0.926              | 0.887                | 0.915                | 0.981                | 0.903                |
| LTE Band 25_ANT 0C | Front             | 0.549                    | 0.090                                       | 0.211                                       | 0.396                                     | 0.050                                     | 0.174                                  | 0.374                                         | 0.136                                       | 0.105                 |  | 0.486                              | 0.587              | 0.710                | 0.494                | 0.547                | 0.441                |
|                    | Back              | 0.696                    | 0.173                                       | 0.205                                       | 0.248                                     | 0.293                                     | 0.192                                  | 0.502                                         | 0.399                                       | 0.006                 |  | 0.564                              | 0.749              | 0.711                | 0.739                | 0.805                | 0.727                |
| LTE Band 26_ANT 0C | Front             | 0.837                    | 0.090                                       | 0.211                                       | 0.396                                     | 0.050                                     | 0.174                                  | 0.374                                         | 0.136                                       | 0.105                 |  | 0.666                              | 0.767              | 0.890                | 0.674                | 0.727                | 0.621                |
|                    | Back              | 0.935                    | 0.173                                       | 0.205                                       | 0.248                                     | 0.293                                     | 0.192                                  | 0.502                                         | 0.399                                       | 0.006                 |  | 0.713                              | 0.899              | 0.860                | 0.888                | 0.954                | 0.876                |
| LTE Band 30_ANT 0C | Front             | 0.548                    | 0.090                                       | 0.211                                       | 0.396                                     | 0.050                                     | 0.174                                  | 0.374                                         | 0.136                                       | 0.105                 |  | 0.485                              | 0.587              | 0.709                | 0.493                | 0.547                | 0.441                |
|                    | Back              | 0.749                    | 0.173                                       | 0.205                                       | 0.248                                     | 0.293                                     | 0.192                                  | 0.502                                         | 0.399                                       | 0.006                 |  | 0.597                              | 0.782              | 0.744                | 0.772                | 0.838                | 0.760                |
| LTE Band 41_ANT 0C | Front             | 0.343                    | 0.090                                       | 0.211                                       | 0.396                                     | 0.050                                     | 0.174                                  | 0.374                                         | 0.136                                       | 0.105                 |  | 0.357                              | 0.459              | 0.581                | 0.365                | 0.419                | 0.312                |
|                    | Back              | 0.511                    | 0.173                                       | 0.205                                       | 0.248                                     | 0.293                                     | 0.192                                  | 0.502                                         | 0.399                                       | 0.006                 |  | 0.448                              | 0.634              | 0.595                | 0.623                | 0.689                | 0.611                |
| LTE Band 66_ANT 0C | Front             | 0.289                    | 0.090                                       | 0.211                                       | 0.396                                     | 0.050                                     | 0.174                                  | 0.374                                         | 0.136                                       | 0.105                 |  | 0.323                              | 0.425              | 0.547                | 0.331                | 0.385                | 0.279                |
|                    | Back              | 0.360                    | 0.173                                       | 0.205                                       | 0.248                                     | 0.293                                     | 0.192                                  | 0.502                                         | 0.399                                       | 0.006                 |  | 0.354                              | 0.539              | 0.501                | 0.529                | 0.595                | 0.517                |
| LTE Band 71_ANT 0C | Front             | 0.231                    | 0.090                                       | 0.211                                       | 0.396                                     | 0.050                                     | 0.174                                  | 0.374                                         | 0.136                                       | 0.105                 |  | 0.287                              | 0.389              | 0.511                | 0.295                | 0.349                | 0.242                |
|                    | Back              | 0.215                    | 0.173                                       | 0.205                                       | 0.248                                     | 0.293                                     | 0.192                                  | 0.502                                         | 0.399                                       | 0.006                 |  | 0.263                              | 0.449              | 0.410                | 0.438                | 0.504                | 0.426                |



# RF EXPOSURE EVALUATION REPORT

Report No. :FA8N0620-05C

## <WWAN 1 antenna>

| WWAN Band         | Exposure Position | 1             | 2                 | 3                 | 4               | 5               | 6               | 7                   | 8                 | 9            | Reported SAR/1.6 + PD/10 Summation |                    |                      |                      |                      |                      |
|-------------------|-------------------|---------------|-------------------|-------------------|-----------------|-----------------|-----------------|---------------------|-------------------|--------------|------------------------------------|--------------------|----------------------|----------------------|----------------------|----------------------|
|                   |                   | WWAN          | 2.4GHz WLAN Ant 2 | 2.4GHz WLAN Ant 4 | 5GHz WLAN Ant 4 | 5GHz WLAN Ant 5 | Bluetooth Ant 2 | 2.4GHz WLAN Ant 2+4 | 5GHz WLAN Ant 4+5 | PD           | 1+3+9 Summed Ratio                 | 1+7+9 Summed Ratio | 1+4+6+9 Summed Ratio | 1+5+6+9 Summed Ratio | 1+6+8+9 Summed Ratio | 1+2+5+9 Summed Ratio |
|                   |                   | 1g SAR (W/kg) | 1g SAR (W/kg)     | 1g SAR (W/kg)     | 1g SAR (W/kg)   | 1g SAR (W/kg)   | 1g SAR (W/kg)   | 1g SAR (W/kg)       | 1g SAR (W/kg)     | 4cm^2 (W/m2) |                                    |                    |                      |                      |                      |                      |
| GSM850_ANT 1      | Front             | 0.325         | 0.090             | 0.258             | 0.396           | 0.050           | 0.174           | 0.374               | 0.136             | 0.105        | 0.375                              | 0.447              | 0.570                | 0.354                | 0.407                | 0.301                |
|                   | Back              | 0.507         | 0.173             | 0.205             | 0.248           | 0.293           | 0.192           | 0.502               | 0.399             | 0.006        | 0.446                              | 0.631              | 0.592                | 0.621                | 0.687                | 0.609                |
| GSM1900_ANT 1     | Front             | 0.630         | 0.090             | 0.258             | 0.396           | 0.050           | 0.174           | 0.374               | 0.136             | 0.105        | 0.566                              | 0.638              | 0.761                | 0.544                | 0.598                | 0.492                |
|                   | Back              | 0.982         | 0.173             | 0.205             | 0.248           | 0.293           | 0.192           | 0.502               | 0.399             | 0.006        | 0.742                              | 0.928              | 0.889                | 0.917                | 0.984                | 0.906                |
| WCDMA IV_ANT 1    | Front             | 0.648         | 0.090             | 0.258             | 0.396           | 0.050           | 0.174           | 0.374               | 0.136             | 0.105        | 0.577                              | 0.649              | 0.772                | 0.556                | 0.609                | 0.503                |
|                   | Back              | 0.962         | 0.173             | 0.205             | 0.248           | 0.293           | 0.192           | 0.502               | 0.399             | 0.006        | 0.730                              | 0.916              | 0.877                | 0.905                | 0.971                | 0.893                |
| WCDMA V_ANT 1     | Front             | 0.378         | 0.090             | 0.258             | 0.396           | 0.050           | 0.174           | 0.374               | 0.136             | 0.105        | 0.408                              | 0.481              | 0.603                | 0.387                | 0.441                | 0.334                |
|                   | Back              | 0.685         | 0.173             | 0.205             | 0.248           | 0.293           | 0.192           | 0.502               | 0.399             | 0.006        | 0.557                              | 0.742              | 0.704                | 0.732                | 0.798                | 0.720                |
| CDMA BC1_ANT 1    | Front             | 0.805         | 0.090             | 0.258             | 0.396           | 0.050           | 0.174           | 0.374               | 0.136             | 0.105        | 0.675                              | 0.747              | 0.870                | 0.654                | 0.707                | 0.601                |
|                   | Back              | 0.965         | 0.173             | 0.205             | 0.248           | 0.293           | 0.192           | 0.502               | 0.399             | 0.006        | 0.732                              | 0.917              | 0.879                | 0.907                | 0.973                | 0.895                |
| CDMA BC10_ANT 1   | Front             | 0.224         | 0.090             | 0.258             | 0.396           | 0.050           | 0.174           | 0.374               | 0.136             | 0.105        | 0.312                              | 0.384              | 0.507                | 0.291                | 0.344                | 0.238                |
|                   | Back              | 0.251         | 0.173             | 0.205             | 0.248           | 0.293           | 0.192           | 0.502               | 0.399             | 0.006        | 0.286                              | 0.471              | 0.432                | 0.461                | 0.527                | 0.449                |
| LTE Band 7_ANT 1  | Front             | 0.795         | 0.090             | 0.258             | 0.396           | 0.050           | 0.174           | 0.374               | 0.136             | 0.105        | 0.669                              | 0.741              | 0.864                | 0.647                | 0.701                | 0.595                |
|                   | Back              | 0.862         | 0.173             | 0.205             | 0.248           | 0.293           | 0.192           | 0.502               | 0.399             | 0.006        | 0.667                              | 0.853              | 0.814                | 0.842                | 0.909                | 0.831                |
| LTE Band 12_ANT 1 | Front             | 0.261         | 0.090             | 0.258             | 0.396           | 0.050           | 0.174           | 0.374               | 0.136             | 0.105        | 0.335                              | 0.407              | 0.530                | 0.314                | 0.367                | 0.261                |
|                   | Back              | 0.208         | 0.173             | 0.205             | 0.248           | 0.293           | 0.192           | 0.502               | 0.399             | 0.006        | 0.259                              | 0.444              | 0.406                | 0.434                | 0.500                | 0.422                |
| LTE Band 14_ANT 1 | Front             | 0.379         | 0.090             | 0.258             | 0.396           | 0.050           | 0.174           | 0.374               | 0.136             | 0.105        | 0.409                              | 0.481              | 0.604                | 0.387                | 0.441                | 0.335                |
|                   | Back              | 0.213         | 0.173             | 0.205             | 0.248           | 0.293           | 0.192           | 0.502               | 0.399             | 0.006        | 0.262                              | 0.447              | 0.409                | 0.437                | 0.503                | 0.425                |
| LTE Band 25_ANT 1 | Front             | 0.648         | 0.090             | 0.258             | 0.396           | 0.050           | 0.174           | 0.374               | 0.136             | 0.105        | 0.577                              | 0.649              | 0.772                | 0.556                | 0.609                | 0.503                |
|                   | Back              | 0.714         | 0.173             | 0.205             | 0.248           | 0.293           | 0.192           | 0.502               | 0.399             | 0.006        | 0.575                              | 0.761              | 0.722                | 0.750                | 0.816                | 0.738                |
| LTE Band 26_ANT 1 | Front             | 0.522         | 0.090             | 0.258             | 0.396           | 0.050           | 0.174           | 0.374               | 0.136             | 0.105        | 0.498                              | 0.571              | 0.693                | 0.477                | 0.531                | 0.424                |
|                   | Back              | 0.519         | 0.173             | 0.205             | 0.248           | 0.293           | 0.192           | 0.502               | 0.399             | 0.006        | 0.453                              | 0.639              | 0.600                | 0.628                | 0.694                | 0.616                |
| LTE Band 30_ANT 1 | Front             | 0.958         | 0.090             | 0.258             | 0.396           | 0.050           | 0.174           | 0.374               | 0.136             | 0.105        | 0.771                              | 0.843              | 0.966                | 0.749                | 0.803                | 0.697                |
|                   | Back              | 0.997         | 0.173             | 0.205             | 0.248           | 0.293           | 0.192           | 0.502               | 0.399             | 0.006        | 0.752                              | 0.937              | 0.899                | 0.927                | 0.993                | 0.915                |
| LTE Band 41_ANT 1 | Front             | 0.403         | 0.090             | 0.258             | 0.396           | 0.050           | 0.174           | 0.374               | 0.136             | 0.105        | 0.424                              | 0.496              | 0.619                | 0.402                | 0.456                | 0.350                |
|                   | Back              | 0.473         | 0.173             | 0.205             | 0.248           | 0.293           | 0.192           | 0.502               | 0.399             | 0.006        | 0.424                              | 0.610              | 0.571                | 0.599                | 0.666                | 0.587                |
| LTE Band 48_ANT 1 | Front             | 0.126         | 0.090             | 0.258             | 0.396           | 0.050           | 0.174           | 0.374               | 0.136             | 0.105        | 0.251                              | 0.323              | 0.446                | 0.229                | 0.283                | 0.177                |
|                   | Back              | 0.257         | 0.173             | 0.205             | 0.248           | 0.293           | 0.192           | 0.502               | 0.399             | 0.006        | 0.289                              | 0.475              | 0.436                | 0.464                | 0.531                | 0.452                |
| LTE Band 66_ANT 1 | Front             | 0.727         | 0.090             | 0.258             | 0.396           | 0.050           | 0.174           | 0.374               | 0.136             | 0.105        | 0.626                              | 0.699              | 0.821                | 0.605                | 0.659                | 0.552                |
|                   | Back              | 0.916         | 0.173             | 0.205             | 0.248           | 0.293           | 0.192           | 0.502               | 0.399             | 0.006        | 0.701                              | 0.887              | 0.848                | 0.876                | 0.942                | 0.864                |
| LTE Band 71_ANT 1 | Front             | 0.169         | 0.090             | 0.258             | 0.396           | 0.050           | 0.174           | 0.374               | 0.136             | 0.105        | 0.277                              | 0.350              | 0.472                | 0.256                | 0.310                | 0.204                |
|                   | Back              | 0.177         | 0.173             | 0.205             | 0.248           | 0.293           | 0.192           | 0.502               | 0.399             | 0.006        | 0.239                              | 0.425              | 0.386                | 0.414                | 0.481                | 0.402                |



## <WWAN 6 antenna>

| WWAN Band         | Exposure Position | 1             | 2                 | 3                 | 4               | 5               | 6               | 7                   | 8                 | 9                       | Reported SAR/1.6 + PD/10 Summation |                    |                      |                      |                      |                      |
|-------------------|-------------------|---------------|-------------------|-------------------|-----------------|-----------------|-----------------|---------------------|-------------------|-------------------------|------------------------------------|--------------------|----------------------|----------------------|----------------------|----------------------|
|                   |                   | WWAN          | 2.4GHz WLAN Ant 2 | 2.4GHz WLAN Ant 4 | 5GHz WLAN Ant 4 | 5GHz WLAN Ant 5 | Bluetooth Ant 2 | 2.4GHz WLAN Ant 2+4 | 5GHz WLAN Ant 4+5 | PD                      | 1+3+9 Summed Ratio                 | 1+7+9 Summed Ratio | 1+4+6+9 Summed Ratio | 1+5+6+9 Summed Ratio | 1+6+8+9 Summed Ratio | 1+2+5+9 Summed Ratio |
|                   |                   | 1g SAR (W/kg) | 1g SAR (W/kg)     | 1g SAR (W/kg)     | 1g SAR (W/kg)   | 1g SAR (W/kg)   | 1g SAR (W/kg)   | 1g SAR (W/kg)       | 1g SAR (W/kg)     | 4cm <sup>2</sup> (W/m2) |                                    |                    |                      |                      |                      |                      |
| LTE Band 48_ANT 6 | Front             | 0.299         | 0.090             | 0.211             | 0.396           | 0.050           | 0.174           | 0.374               | 0.136             | 0.105                   | 0.329                              | 0.431              | 0.554                | 0.337                | 0.391                | 0.285                |
|                   | Back              | 0.551         | 0.173             | 0.205             | 0.248           | 0.293           | 0.192           | 0.502               | 0.399             | 0.006                   | 0.473                              | 0.659              | 0.620                | 0.648                | 0.714                | 0.636                |

## <Product Specific Exposure Conditions>

### Remark:

- According to KDB 941225 D06 v02r01 and KDB 648474 D04v01r03, for (-) SAR was excluded, due to transmitting antenna located larger 25mm from that surface or hotspot SAR was < 1.2W/kg.

## <Standalone>

| WWAN Band         | Exposure Position | 1              | 9                       | Reported SAR/4 + PD/10 Summation |
|-------------------|-------------------|----------------|-------------------------|----------------------------------|
|                   |                   | WWAN           | PD                      | 1+9 Summed Ratio                 |
|                   |                   | 10g SAR (W/kg) | 4cm <sup>2</sup> (W/m2) |                                  |
| CDMA BC1_ANT 1    | Front             | -              | 0.256                   | 0.026                            |
|                   | Back              | -              | 0.008                   | 0.001                            |
|                   | Left side         | -              | 0.001                   | 0.000                            |
|                   | Right side        | -              | 0.007                   | 0.001                            |
|                   | Top side          | 3.541          | 0.065                   | 0.892                            |
|                   | Bottom side       | -              | -                       | 0.000                            |
| LTE Band 7_ANT 1  | Front             | -              | 0.256                   | 0.026                            |
|                   | Back              | -              | 0.008                   | 0.001                            |
|                   | Left side         | -              | 0.001                   | 0.000                            |
|                   | Right side        | -              | 0.007                   | 0.001                            |
|                   | Top side          | 3.530          | 0.065                   | 0.889                            |
|                   | Bottom side       | -              | -                       | 0.000                            |
| LTE Band 7_ANT 0B | Front             | -              | 0.256                   | 0.026                            |
|                   | Back              | -              | 0.008                   | 0.001                            |
|                   | Left side         | -              | 0.001                   | 0.000                            |
|                   | Right side        | 3.568          | 0.007                   | 0.893                            |
|                   | Top side          | -              | 0.065                   | 0.007                            |
|                   | Bottom side       | -              | -                       | 0.000                            |
| LTE Band 30_ANT 1 | Front             | -              | 0.256                   | 0.026                            |
|                   | Back              | -              | 0.008                   | 0.001                            |
|                   | Left side         | -              | 0.001                   | 0.000                            |
|                   | Right side        | -              | 0.007                   | 0.001                            |
|                   | Top side          | 3.341          | 0.065                   | 0.842                            |
|                   | Bottom side       | -              | -                       | 0.000                            |

**<Standalone SISO consideration>**

| Exposure Position | 2                 | 3                 | 4               | 5               | 6               | 8                                    | Reported SAR/4 + PD/10 Summation |                    |                    |
|-------------------|-------------------|-------------------|-----------------|-----------------|-----------------|--------------------------------------|----------------------------------|--------------------|--------------------|
|                   | 2.4GHz WLAN Ant 2 | 2.4GHz WLAN Ant 4 | 5GHz WLAN Ant 4 | 5GHz WLAN Ant 5 | Bluetooth Ant 2 | PD                                   | 2+5+8 Summed Ratio               | 4+6+8 Summed Ratio | 5+6+8 Summed Ratio |
|                   | 10g SAR (W/kg)    | 10g SAR (W/kg)    | 10g SAR (W/kg)  | 10g SAR (W/kg)  | 10g SAR (W/kg)  | 4cm <sup>2</sup> (W/m <sup>2</sup> ) |                                  |                    |                    |
| Front             | -                 | -                 | 1.605           | 0.360           | -               | 0.256                                | 0.116                            | 0.427              | 0.116              |
| Back              | -                 | -                 | 1.326           | 2.052           | -               | 0.008                                | 0.514                            | 0.332              | 0.514              |
| Left side         | -                 | -                 | 0.037           | 0.536           | -               | 0.001                                | 0.134                            | 0.009              | 0.134              |
| Right side        | -                 | -                 | 0.094           | 0.001           | -               | 0.007                                | 0.001                            | 0.024              | 0.001              |
| Top side          | -                 | -                 | 0.821           | 0.327           | -               | 0.065                                | 0.088                            | 0.212              | 0.088              |
| Bottom side       | -                 | -                 | -               | -               | -               | -                                    | 0.000                            | 0.000              | 0.000              |

**<Standalone MIMO consideration>**

| Exposure Position | 2                 | 3                 | 4               | 5               | 6               | 8                                    | Reported SAR/4 + PD/10 Summation |                      |
|-------------------|-------------------|-------------------|-----------------|-----------------|-----------------|--------------------------------------|----------------------------------|----------------------|
|                   | 2.4GHz WLAN Ant 2 | 2.4GHz WLAN Ant 4 | 5GHz WLAN Ant 4 | 5GHz WLAN Ant 5 | Bluetooth Ant 2 | PD                                   | 2+3+8 Summed Ratio               | 4+5+6+8 Summed Ratio |
|                   | 10g SAR (W/kg)    | 10g SAR (W/kg)    | 10g SAR (W/kg)  | 10g SAR (W/kg)  | 10g SAR (W/kg)  | 4cm <sup>2</sup> (W/m <sup>2</sup> ) |                                  |                      |
| Front             | -                 | -                 | 1.605           | 0.458           | -               | 0.256                                | 0.026                            | 0.541                |
| Back              | -                 | -                 | 1.326           | 2.653           | -               | 0.008                                | 0.001                            | 0.996                |
| Left side         | 3.289             | -                 | 0.037           | 0.623           | -               | 0.001                                | 0.822                            | 0.165                |
| Right side        | -                 | -                 | 0.094           | 0.001           | -               | 0.007                                | 0.001                            | 0.024                |
| Top side          | -                 | -                 | 0.821           | 0.423           | -               | 0.065                                | 0.007                            | 0.318                |
| Bottom side       | -                 | -                 | -               | -               | -               | -                                    | 0.000                            | 0.000                |

**<Simultaneous Transmission is active>**

| Exposure Position | 1              | 2                 | 3                 | 4               | 5               | 6               | 7                   | 8                 | 9                                    | Reported SAR/4 + PD/10 Summation |                    |                      |                      |                      |                      |
|-------------------|----------------|-------------------|-------------------|-----------------|-----------------|-----------------|---------------------|-------------------|--------------------------------------|----------------------------------|--------------------|----------------------|----------------------|----------------------|----------------------|
|                   | WWAN           | 2.4GHz WLAN Ant 2 | 2.4GHz WLAN Ant 4 | 5GHz WLAN Ant 4 | 5GHz WLAN Ant 5 | Bluetooth Ant 2 | 2.4GHz WLAN Ant 2+4 | 5GHz WLAN Ant 4+5 | PD                                   | 1+3+9 Summed Ratio               | 1+7+9 Summed Ratio | 1+4+6+9 Summed Ratio | 1+5+6+9 Summed Ratio | 1+6+8+9 Summed Ratio | 1+2+5+9 Summed Ratio |
|                   | 10g SAR (W/kg) | 10g SAR (W/kg)    | 10g SAR (W/kg)    | 10g SAR (W/kg)  | 10g SAR (W/kg)  | 10g SAR (W/kg)  | 10g SAR (W/kg)      | 10g SAR (W/kg)    | 4cm <sup>2</sup> (W/m <sup>2</sup> ) |                                  |                    |                      |                      |                      |                      |
| Front             | -              | -                 | -                 | 1.605           | 0.360           | -               | -                   | -                 | 0.256                                | 0.000                            | 0.000              | 0.427                | 0.116                | 0.000                | 0.116                |
| Back              | -              | -                 | -                 | 1.326           | 2.052           | -               | -                   | -                 | 0.008                                | 0.000                            | 0.000              | 0.332                | 0.514                | 0.000                | 0.514                |
| Left side         | -              | -                 | -                 | 0.037           | 0.536           | -               | -                   | -                 | 0.001                                | 0.000                            | 0.000              | 0.009                | 0.134                | 0.000                | 0.134                |
| Right side        | -              | -                 | -                 | 0.094           | 0.001           | -               | -                   | -                 | 0.007                                | 0.000                            | 0.000              | 0.024                | 0.001                | 0.000                | 0.001                |
| Top side          | -              | -                 | -                 | 0.821           | 0.327           | -               | -                   | -                 | 0.065                                | 0.000                            | 0.000              | 0.212                | 0.088                | 0.000                | 0.088                |
| Bottom side       | -              | -                 | -                 | -               | -               | -               | -                   | -                 | -                                    | 0.000                            | 0.000              | 0.000                | 0.000                | 0.000                | 0.000                |