

## 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: A4RG020P (Sporton SAR Report No. FA8N0620-06A).
- 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  $\left[ \sum \text{ of (the highest measured or estimated SAR for each standalone antenna configuration, adjusted for maximum tune-up tolerance) / 1.6 W/kg} \right] + \left[ \sum \text{ of MPE ratios} \right] \leq 1.0$ .

**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/m <sup>2</sup> ) |                                    |                    |                      |                      |                      |                      |
| GSM1900 Ant 0B     | Front             | 0.625         | 0.084             | 0.207             | 0.322           | 0.047           | 0.162           | 0.367               | 0.142             | 0.085                                | 0.528                              | 0.628              | 0.702                | 0.530                | 0.589                | 0.481                |
|                    | Back              | 0.956         | 0.175             | 0.198             | 0.244           | 0.297           |                 | 0.511               | 0.396             | 0.002                                | 0.721                              | 0.917              | 0.750                | 0.783                | 0.845                | 0.893                |
|                    | Left side         | 0.175         | 0.222             |                   |                 | 0.122           | 0.187           | 0.503               | 0.147             | 0.001                                | 0.109                              | 0.424              | 0.226                | 0.303                | 0.318                | 0.324                |
|                    | Right side        |               |                   | 0.010             | 0.044           |                 |                 | 0.069               | 0.034             | 0.001                                | 0.006                              | 0.043              | 0.028                | 0.000                | 0.021                | 0.000                |
|                    | Top side          |               | 0.013             | 0.512             | 0.256           | 0.124           | 0.007           | 0.526               | 0.211             | 0.029                                | 0.323                              | 0.332              | 0.167                | 0.085                | 0.139                | 0.089                |
|                    | Bottom side       | 0.489         |                   |                   |                 |                 |                 |                     |                   |                                      | 0.306                              | 0.306              | 0.306                | 0.306                | 0.306                | 0.306                |
| WCDMA II_Ant 0B    | Front             | 0.717         | 0.084             | 0.207             | 0.322           | 0.047           | 0.162           | 0.367               | 0.142             | 0.085                                | 0.586                              | 0.686              | 0.759                | 0.587                | 0.647                | 0.538                |
|                    | Back              | 0.942         | 0.175             | 0.198             | 0.244           | 0.297           |                 | 0.511               | 0.396             | 0.002                                | 0.713                              | 0.908              | 0.741                | 0.775                | 0.836                | 0.884                |
|                    | Left side         | 0.267         | 0.222             |                   |                 | 0.122           | 0.187           | 0.503               | 0.147             | 0.001                                | 0.167                              | 0.481              | 0.284                | 0.360                | 0.376                | 0.382                |
|                    | Right side        | 0.792         |                   | 0.010             | 0.044           |                 |                 | 0.069               | 0.034             | 0.001                                | 0.501                              | 0.538              | 0.523                | 0.495                | 0.516                | 0.495                |
|                    | Top side          |               | 0.013             | 0.512             | 0.256           | 0.124           | 0.007           | 0.526               | 0.211             | 0.029                                | 0.323                              | 0.332              | 0.167                | 0.085                | 0.139                | 0.089                |
|                    | Bottom side       |               |                   |                   |                 |                 |                 |                     |                   |                                      | 0.000                              | 0.000              | 0.000                | 0.000                | 0.000                | 0.000                |
| WCDMA IV_Ant 0B    | Front             | 0.599         | 0.084             | 0.207             | 0.322           | 0.047           | 0.162           | 0.367               | 0.142             | 0.085                                | 0.512                              | 0.612              | 0.685                | 0.513                | 0.573                | 0.465                |
|                    | Back              | 0.750         | 0.175             | 0.198             | 0.244           | 0.297           |                 | 0.511               | 0.396             | 0.002                                | 0.593                              | 0.788              | 0.621                | 0.655                | 0.716                | 0.764                |
|                    | Left side         | 0.128         | 0.222             |                   |                 | 0.122           | 0.187           | 0.503               | 0.147             | 0.001                                | 0.080                              | 0.394              | 0.197                | 0.273                | 0.289                | 0.295                |
|                    | Right side        |               |                   | 0.010             | 0.044           |                 |                 | 0.069               | 0.034             | 0.001                                | 0.006                              | 0.043              | 0.028                | 0.000                | 0.021                | 0.000                |
|                    | Top side          |               | 0.013             | 0.512             | 0.256           | 0.124           | 0.007           | 0.526               | 0.211             | 0.029                                | 0.323                              | 0.332              | 0.167                | 0.085                | 0.139                | 0.089                |
|                    | Bottom side       | 0.831         |                   |                   |                 |                 |                 |                     |                   |                                      | 0.519                              | 0.519              | 0.519                | 0.519                | 0.519                | 0.519                |
| LTE Band 7_Ant 0B  | Front             | 0.463         | 0.084             | 0.207             | 0.322           | 0.047           | 0.162           | 0.367               | 0.142             | 0.085                                | 0.427                              | 0.527              | 0.600                | 0.428                | 0.488                | 0.380                |
|                    | Back              | 0.764         | 0.175             | 0.198             | 0.244           | 0.297           |                 | 0.511               | 0.396             | 0.002                                | 0.601                              | 0.797              | 0.630                | 0.663                | 0.725                | 0.773                |
|                    | Left side         | 0.114         | 0.222             |                   |                 | 0.122           | 0.187           | 0.503               | 0.147             | 0.001                                | 0.071                              | 0.386              | 0.188                | 0.264                | 0.280                | 0.286                |
|                    | Right side        | 0.920         |                   | 0.010             | 0.044           |                 |                 | 0.069               | 0.034             | 0.001                                | 0.581                              | 0.618              | 0.603                | 0.575                | 0.596                | 0.575                |
|                    | Top side          |               | 0.013             | 0.512             | 0.256           | 0.124           | 0.007           | 0.526               | 0.211             | 0.029                                | 0.323                              | 0.332              | 0.167                | 0.085                | 0.139                | 0.089                |
|                    | Bottom side       | 0.269         |                   |                   |                 |                 |                 |                     |                   |                                      | 0.168                              | 0.168              | 0.168                | 0.168                | 0.168                | 0.168                |
| LTE Band 25_Ant 0B | Front             | 0.645         | 0.084             | 0.207             | 0.322           | 0.047           | 0.162           | 0.367               | 0.142             | 0.085                                | 0.541                              | 0.641              | 0.714                | 0.542                | 0.602                | 0.493                |
|                    | Back              | 0.957         | 0.175             | 0.198             | 0.244           | 0.297           |                 | 0.511               | 0.396             | 0.002                                | 0.722                              | 0.918              | 0.751                | 0.784                | 0.846                | 0.893                |
|                    | Left side         | 0.137         | 0.222             |                   |                 | 0.122           | 0.187           | 0.503               | 0.147             | 0.001                                | 0.086                              | 0.400              | 0.203                | 0.279                | 0.294                | 0.301                |
|                    | Right side        | 0.668         |                   | 0.010             | 0.044           |                 |                 | 0.069               | 0.034             | 0.001                                | 0.424                              | 0.461              | 0.445                | 0.418                | 0.439                | 0.418                |
|                    | Top side          |               | 0.013             | 0.512             | 0.256           | 0.124           | 0.007           | 0.526               | 0.211             | 0.029                                | 0.323                              | 0.332              | 0.167                | 0.085                | 0.139                | 0.089                |
|                    | Bottom side       | 0.637         |                   |                   |                 |                 |                 |                     |                   |                                      | 0.398                              | 0.398              | 0.398                | 0.398                | 0.398                | 0.398                |
| LTE Band 41_Ant 0B | Front             | 0.462         | 0.084             | 0.207             | 0.322           | 0.047           | 0.162           | 0.367               | 0.142             | 0.085                                | 0.427                              | 0.527              | 0.600                | 0.428                | 0.487                | 0.379                |
|                    | Back              | 0.596         | 0.175             | 0.198             | 0.244           | 0.297           |                 | 0.511               | 0.396             | 0.002                                | 0.496                              | 0.692              | 0.525                | 0.558                | 0.620                | 0.668                |
|                    | Left side         | 0.089         | 0.222             |                   |                 | 0.122           | 0.187           | 0.503               | 0.147             | 0.001                                | 0.056                              | 0.370              | 0.173                | 0.249                | 0.264                | 0.271                |
|                    | Right side        | 0.927         |                   | 0.010             | 0.044           |                 |                 | 0.069               | 0.034             | 0.001                                | 0.586                              | 0.623              | 0.607                | 0.579                | 0.601                | 0.579                |
|                    | Top side          |               | 0.013             | 0.512             | 0.256           | 0.124           | 0.007           | 0.526               | 0.211             | 0.029                                | 0.323                              | 0.332              | 0.167                | 0.085                | 0.139                | 0.089                |
|                    | Bottom side       | 0.357         |                   |                   |                 |                 |                 |                     |                   |                                      | 0.223                              | 0.223              | 0.223                | 0.223                | 0.223                | 0.223                |
| LTE Band 66_Ant 0B | Front             | 0.713         | 0.084             | 0.207             | 0.322           | 0.047           | 0.162           | 0.367               | 0.142             | 0.085                                | 0.583                              | 0.683              | 0.757                | 0.585                | 0.644                | 0.536                |
|                    | Back              | 0.734         | 0.175             | 0.198             | 0.244           | 0.297           |                 | 0.511               | 0.396             | 0.002                                | 0.583                              | 0.778              | 0.611                | 0.645                | 0.706                | 0.754                |
|                    | Left side         | 0.174         | 0.222             |                   |                 | 0.122           | 0.187           | 0.503               | 0.147             | 0.001                                | 0.109                              | 0.423              | 0.226                | 0.302                | 0.318                | 0.324                |
|                    | Right side        | 0.484         |                   | 0.010             | 0.044           |                 |                 | 0.069               | 0.034             | 0.001                                | 0.309                              | 0.346              | 0.330                | 0.303                | 0.324                | 0.303                |
|                    | Top side          |               | 0.013             | 0.512             | 0.256           | 0.124           | 0.007           | 0.526               | 0.211             | 0.029                                | 0.323                              | 0.332              | 0.167                | 0.085                | 0.139                | 0.089                |
|                    | Bottom side       | 0.865         |                   |                   |                 |                 |                 |                     |                   |                                      | 0.541                              | 0.541              | 0.541                | 0.541                | 0.541                | 0.541                |



## &lt;WWAN 0C 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^2 (W/m2) |                                    |                    |                      |                      |                      |                      |
| GSM850_Ant 0C      | Front             | 0.749         | 0.084             | 0.207             | 0.322           | 0.047           | 0.162           | 0.367               | 0.142             | 0.085        | 0.606                              | 0.706              | 0.779                | 0.607                | 0.667                | 0.558                |
|                    | Back              | 0.949         | 0.175             | 0.198             | 0.244           | 0.297           |                 | 0.511               | 0.396             | 0.002        | 0.717                              | 0.913              | 0.746                | 0.779                | 0.841                | 0.888                |
|                    | Left side         | 0.238         | 0.222             |                   |                 | 0.122           | 0.187           | 0.503               | 0.147             | 0.001        | 0.149                              | 0.463              | 0.266                | 0.342                | 0.358                | 0.364                |
|                    | Right side        | 0.077         |                   | 0.010             | 0.044           |                 |                 | 0.069               | 0.034             | 0.001        | 0.054                              | 0.091              | 0.076                | 0.048                | 0.069                | 0.048                |
|                    | Top side          |               | 0.013             | 0.512             | 0.256           | 0.124           | 0.007           | 0.526               | 0.211             | 0.029        | 0.323                              | 0.332              | 0.167                | 0.085                | 0.139                | 0.089                |
|                    | Bottom side       | 0.877         |                   |                   |                 |                 |                 |                     |                   |              | 0.548                              | 0.548              | 0.548                | 0.548                | 0.548                | 0.548                |
| WCDMA IV_Ant 0C    | Front             | 0.359         | 0.084             | 0.207             | 0.322           | 0.047           | 0.162           | 0.367               | 0.142             | 0.085        | 0.362                              | 0.462              | 0.535                | 0.363                | 0.423                | 0.315                |
|                    | Back              | 0.447         | 0.175             | 0.198             | 0.244           | 0.297           |                 | 0.511               | 0.396             | 0.002        | 0.403                              | 0.599              | 0.432                | 0.465                | 0.527                | 0.575                |
|                    | Left side         | 0.726         | 0.222             |                   |                 | 0.122           | 0.187           | 0.503               | 0.147             | 0.001        | 0.454                              | 0.768              | 0.571                | 0.647                | 0.663                | 0.669                |
|                    | Right side        | 0.249         |                   | 0.010             | 0.044           |                 |                 | 0.069               | 0.034             | 0.001        | 0.162                              | 0.199              | 0.183                | 0.156                | 0.177                | 0.156                |
|                    | Top side          |               | 0.013             | 0.512             | 0.256           | 0.124           | 0.007           | 0.526               | 0.211             | 0.029        | 0.323                              | 0.332              | 0.167                | 0.085                | 0.139                | 0.089                |
|                    | Bottom side       | 0.375         |                   |                   |                 |                 |                 |                     |                   |              | 0.234                              | 0.234              | 0.234                | 0.234                | 0.234                | 0.234                |
| WCDMA V_Ant 0C     | Front             | 0.637         | 0.084             | 0.207             | 0.322           | 0.047           | 0.162           | 0.367               | 0.142             | 0.085        | 0.536                              | 0.636              | 0.709                | 0.537                | 0.597                | 0.488                |
|                    | Back              | 0.953         | 0.175             | 0.198             | 0.244           | 0.297           |                 | 0.511               | 0.396             | 0.002        | 0.720                              | 0.915              | 0.748                | 0.781                | 0.843                | 0.891                |
|                    | Left side         | 0.202         | 0.222             |                   |                 | 0.122           | 0.187           | 0.503               | 0.147             | 0.001        | 0.126                              | 0.441              | 0.243                | 0.319                | 0.335                | 0.341                |
|                    | Right side        | 0.040         |                   | 0.010             | 0.044           |                 |                 | 0.069               | 0.034             | 0.001        | 0.031                              | 0.068              | 0.053                | 0.025                | 0.046                | 0.025                |
|                    | Top side          |               | 0.013             | 0.512             | 0.256           | 0.124           | 0.007           | 0.526               | 0.211             | 0.029        | 0.323                              | 0.332              | 0.167                | 0.085                | 0.139                | 0.089                |
|                    | Bottom side       | 0.827         |                   |                   |                 |                 |                 |                     |                   |              | 0.517                              | 0.517              | 0.517                | 0.517                | 0.517                | 0.517                |
| LTE Band 4_Ant 0C  | Front             | 0.342         | 0.084             | 0.207             | 0.322           | 0.047           | 0.162           | 0.367               | 0.142             | 0.085        | 0.352                              | 0.452              | 0.525                | 0.353                | 0.412                | 0.304                |
|                    | Back              | 0.395         | 0.175             | 0.198             | 0.244           | 0.297           |                 | 0.511               | 0.396             | 0.002        | 0.371                              | 0.566              | 0.400                | 0.433                | 0.495                | 0.542                |
|                    | Left side         | 0.590         | 0.222             |                   |                 | 0.122           | 0.187           | 0.503               | 0.147             | 0.001        | 0.369                              | 0.683              | 0.486                | 0.562                | 0.578                | 0.584                |
|                    | Right side        | 0.337         |                   | 0.010             | 0.044           |                 |                 | 0.069               | 0.034             | 0.001        | 0.217                              | 0.254              | 0.238                | 0.211                | 0.232                | 0.211                |
|                    | Top side          |               | 0.013             | 0.512             | 0.256           | 0.124           | 0.007           | 0.526               | 0.211             | 0.029        | 0.323                              | 0.332              | 0.167                | 0.085                | 0.139                | 0.089                |
|                    | Bottom side       | 0.185         |                   |                   |                 |                 |                 |                     |                   |              | 0.116                              | 0.116              | 0.116                | 0.116                | 0.116                | 0.116                |
| LTE Band 7_Ant 0C  | Front             | 0.474         | 0.084             | 0.207             | 0.322           | 0.047           | 0.162           | 0.367               | 0.142             | 0.085        | 0.434                              | 0.534              | 0.607                | 0.435                | 0.495                | 0.387                |
|                    | Back              | 0.682         | 0.175             | 0.198             | 0.244           | 0.297           |                 | 0.511               | 0.396             | 0.002        | 0.550                              | 0.746              | 0.579                | 0.612                | 0.674                | 0.721                |
|                    | Left side         | 0.770         | 0.222             |                   |                 | 0.122           | 0.187           | 0.503               | 0.147             | 0.001        | 0.481                              | 0.796              | 0.598                | 0.674                | 0.690                | 0.696                |
|                    | Right side        | 0.125         |                   | 0.010             | 0.044           |                 |                 | 0.069               | 0.034             | 0.001        | 0.084                              | 0.121              | 0.106                | 0.078                | 0.099                | 0.078                |
|                    | Top side          |               | 0.013             | 0.512             | 0.256           | 0.124           | 0.007           | 0.526               | 0.211             | 0.029        | 0.323                              | 0.332              | 0.167                | 0.085                | 0.139                | 0.089                |
|                    | Bottom side       | 0.242         |                   |                   |                 |                 |                 |                     |                   |              | 0.151                              | 0.151              | 0.151                | 0.151                | 0.151                | 0.151                |
| LTE Band 12_Ant 0C | Front             | 0.253         | 0.084             | 0.207             | 0.322           | 0.047           | 0.162           | 0.367               | 0.142             | 0.085        | 0.296                              | 0.396              | 0.469                | 0.297                | 0.357                | 0.248                |
|                    | Back              | 0.328         | 0.175             | 0.198             | 0.244           | 0.297           |                 | 0.511               | 0.396             | 0.002        | 0.329                              | 0.525              | 0.358                | 0.391                | 0.453                | 0.500                |
|                    | Left side         | 0.209         | 0.222             |                   |                 | 0.122           | 0.187           | 0.503               | 0.147             | 0.001        | 0.131                              | 0.445              | 0.248                | 0.324                | 0.339                | 0.346                |
|                    | Right side        | 0.108         |                   | 0.010             | 0.044           |                 |                 | 0.069               | 0.034             | 0.001        | 0.074                              | 0.111              | 0.095                | 0.068                | 0.089                | 0.068                |
|                    | Top side          |               | 0.013             | 0.512             | 0.256           | 0.124           | 0.007           | 0.526               | 0.211             | 0.029        | 0.323                              | 0.332              | 0.167                | 0.085                | 0.139                | 0.089                |
|                    | Bottom side       | 0.297         |                   |                   |                 |                 |                 |                     |                   |              | 0.186                              | 0.186              | 0.186                | 0.186                | 0.186                | 0.186                |
| LTE Band 13_Ant 0C | Front             | 0.552         | 0.084             | 0.207             | 0.322           | 0.047           | 0.162           | 0.367               | 0.142             | 0.085        | 0.483                              | 0.583              | 0.656                | 0.484                | 0.543                | 0.435                |
|                    | Back              | 0.651         | 0.175             | 0.198             | 0.244           | 0.297           |                 | 0.511               | 0.396             | 0.002        | 0.531                              | 0.726              | 0.560                | 0.593                | 0.655                | 0.702                |
|                    | Left side         | 0.268         | 0.222             |                   |                 | 0.122           | 0.187           | 0.503               | 0.147             | 0.001        | 0.168                              | 0.482              | 0.284                | 0.361                | 0.376                | 0.383                |
|                    | Right side        | 0.085         |                   | 0.010             | 0.044           |                 |                 | 0.069               | 0.034             | 0.001        | 0.059                              | 0.096              | 0.081                | 0.053                | 0.074                | 0.053                |
|                    | Top side          |               | 0.013             | 0.512             | 0.256           | 0.124           | 0.007           | 0.526               | 0.211             | 0.029        | 0.323                              | 0.332              | 0.167                | 0.085                | 0.139                | 0.089                |
|                    | Bottom side       | 0.592         |                   |                   |                 |                 |                 |                     |                   |              | 0.370                              | 0.370              | 0.370                | 0.370                | 0.370                | 0.370                |
| LTE Band 26_Ant 0C | Front             | 0.746         | 0.084             | 0.207             | 0.322           | 0.047           | 0.162           | 0.367               | 0.142             | 0.085        | 0.604                              | 0.704              | 0.777                | 0.605                | 0.665                | 0.557                |
|                    | Back              | 0.984         | 0.175             | 0.198             | 0.244           | 0.297           |                 | 0.511               | 0.396             | 0.002        | 0.739                              | 0.935              | 0.768                | 0.801                | 0.863                | 0.910                |
|                    | Left side         | 0.284         | 0.222             |                   |                 | 0.122           | 0.187           | 0.503               | 0.147             | 0.001        | 0.178                              | 0.492              | 0.294                | 0.371                | 0.386                | 0.393                |
|                    | Right side        | 0.110         |                   | 0.010             | 0.044           |                 |                 | 0.069               | 0.034             | 0.001        | 0.075                              | 0.112              | 0.096                | 0.069                | 0.090                | 0.069                |
|                    | Top side          |               | 0.013             | 0.512             | 0.256           | 0.124           | 0.007           | 0.526               | 0.211             | 0.029        | 0.323                              | 0.332              | 0.167                | 0.085                | 0.139                | 0.089                |
|                    | Bottom side       | 0.824         |                   |                   |                 |                 |                 |                     |                   |              | 0.515                              | 0.515              | 0.515                | 0.515                | 0.515                | 0.515                |



# RF EXPOSURE EVALUATION REPORT

Report No. :FA8N0620-06C

|                    |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|--------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| LTE Band 38_Ant OC | Front       | 0.217 | 0.084 | 0.207 | 0.322 | 0.047 | 0.162 | 0.367 | 0.142 | 0.085 | 0.273 | 0.373 | 0.447 | 0.275 | 0.334 | 0.226 |
|                    | Back        | 0.350 | 0.175 | 0.198 | 0.244 | 0.297 |       | 0.511 | 0.396 | 0.002 | 0.343 | 0.538 | 0.371 | 0.405 | 0.466 | 0.514 |
|                    | Left side   | 0.554 | 0.222 |       |       | 0.122 | 0.187 | 0.503 | 0.147 | 0.001 | 0.346 | 0.661 | 0.463 | 0.539 | 0.555 | 0.561 |
|                    | Right side  | 0.098 |       | 0.010 | 0.044 |       |       | 0.069 | 0.034 | 0.001 | 0.068 | 0.104 | 0.089 | 0.061 | 0.083 | 0.061 |
|                    | Top side    |       | 0.013 | 0.512 | 0.256 | 0.124 | 0.007 | 0.526 | 0.211 | 0.029 | 0.323 | 0.332 | 0.167 | 0.085 | 0.139 | 0.089 |
|                    | Bottom side | 0.109 |       |       |       |       |       |       |       |       | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 | 0.068 |
| LTE Band 41_Ant OC | Front       | 0.182 | 0.084 | 0.207 | 0.322 | 0.047 | 0.162 | 0.367 | 0.142 | 0.085 | 0.252 | 0.352 | 0.425 | 0.253 | 0.312 | 0.204 |
|                    | Back        | 0.343 | 0.175 | 0.198 | 0.244 | 0.297 |       | 0.511 | 0.396 | 0.002 | 0.338 | 0.534 | 0.367 | 0.400 | 0.462 | 0.510 |
|                    | Left side   | 0.079 | 0.222 |       |       | 0.122 | 0.187 | 0.503 | 0.147 | 0.001 | 0.049 | 0.364 | 0.166 | 0.243 | 0.258 | 0.264 |
|                    | Right side  | 0.493 |       | 0.010 | 0.044 |       |       | 0.069 | 0.034 | 0.001 | 0.314 | 0.351 | 0.336 | 0.308 | 0.329 | 0.308 |
|                    | Top side    |       | 0.013 | 0.512 | 0.256 | 0.124 | 0.007 | 0.526 | 0.211 | 0.029 | 0.323 | 0.332 | 0.167 | 0.085 | 0.139 | 0.089 |
|                    | Bottom side | 0.091 |       |       |       |       |       |       |       |       | 0.057 | 0.057 | 0.057 | 0.057 | 0.057 | 0.057 |
| LTE Band 71_Ant OC | Front       | 0.283 | 0.084 | 0.207 | 0.322 | 0.047 | 0.162 | 0.367 | 0.142 | 0.085 | 0.315 | 0.415 | 0.488 | 0.316 | 0.375 | 0.267 |
|                    | Back        | 0.385 | 0.175 | 0.198 | 0.244 | 0.297 |       | 0.511 | 0.396 | 0.002 | 0.365 | 0.560 | 0.393 | 0.426 | 0.488 | 0.536 |
|                    | Left side   | 0.264 | 0.222 |       |       | 0.122 | 0.187 | 0.503 | 0.147 | 0.001 | 0.165 | 0.479 | 0.282 | 0.358 | 0.374 | 0.380 |
|                    | Right side  | 0.121 |       | 0.010 | 0.044 |       |       | 0.069 | 0.034 | 0.001 | 0.082 | 0.119 | 0.103 | 0.076 | 0.097 | 0.076 |
|                    | Top side    |       | 0.013 | 0.512 | 0.256 | 0.124 | 0.007 | 0.526 | 0.211 | 0.029 | 0.323 | 0.332 | 0.167 | 0.085 | 0.139 | 0.089 |
|                    | Bottom side | 0.302 |       |       |       |       |       |       |       |       | 0.189 | 0.189 | 0.189 | 0.189 | 0.189 | 0.189 |

**<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 <sup>2</sup> (W/m <sup>2</sup> ) |                                    |                    |                      |                      |                      |                      |
| GSM850_Ant 1      | Front             | 0.347         | 0.084             | 0.207             | 0.322           | 0.047           | 0.162           | 0.367               | 0.142             | 0.085                                | 0.355                              | 0.455              | 0.528                | 0.356                | 0.415                | 0.307                |
|                   | Back              | 0.433         | 0.175             | 0.198             | 0.244           | 0.297           |                 | 0.511               | 0.396             | 0.002                                | 0.395                              | 0.590              | 0.423                | 0.456                | 0.518                | 0.566                |
|                   | Left side         | 0.225         | 0.222             |                   |                 | 0.122           | 0.187           | 0.503               | 0.147             | 0.001                                | 0.141                              | 0.455              | 0.258                | 0.334                | 0.349                | 0.356                |
|                   | Right side        | 0.114         |                   | 0.010             | 0.044           |                 |                 | 0.069               | 0.034             | 0.001                                | 0.078                              | 0.114              | 0.099                | 0.071                | 0.093                | 0.071                |
|                   | Top side          | 0.187         | 0.013             | 0.512             | 0.256           | 0.124           | 0.007           | 0.526               | 0.211             | 0.029                                | 0.440                              | 0.449              | 0.284                | 0.202                | 0.256                | 0.205                |
|                   | Bottom side       |               |                   |                   |                 |                 |                 |                     |                   |                                      | 0.000                              | 0.000              | 0.000                | 0.000                | 0.000                | 0.000                |
| GSM1900_Ant 1     | Front             | 0.648         | 0.084             | 0.207             | 0.322           | 0.047           | 0.162           | 0.367               | 0.142             | 0.085                                | 0.543                              | 0.643              | 0.716                | 0.544                | 0.603                | 0.495                |
|                   | Back              | 0.793         | 0.175             | 0.198             | 0.244           | 0.297           |                 | 0.511               | 0.396             | 0.002                                | 0.620                              | 0.815              | 0.648                | 0.681                | 0.743                | 0.791                |
|                   | Left side         | 0.554         | 0.222             |                   |                 | 0.122           | 0.187           | 0.503               | 0.147             | 0.001                                | 0.346                              | 0.661              | 0.463                | 0.539                | 0.555                | 0.561                |
|                   | Right side        | 0.136         |                   | 0.010             | 0.044           |                 |                 | 0.069               | 0.034             | 0.001                                | 0.091                              | 0.128              | 0.113                | 0.085                | 0.106                | 0.085                |
|                   | Top side          | 0.944         | 0.013             | 0.512             | 0.256           | 0.124           | 0.007           | 0.526               | 0.211             | 0.029                                | 0.913                              | 0.922              | 0.757                | 0.675                | 0.729                | 0.679                |
|                   | Bottom side       |               |                   |                   |                 |                 |                 |                     |                   |                                      | 0.000                              | 0.000              | 0.000                | 0.000                | 0.000                | 0.000                |
| WCDMA II_Ant 1    | Front             | 0.664         | 0.084             | 0.207             | 0.322           | 0.047           | 0.162           | 0.367               | 0.142             | 0.085                                | 0.553                              | 0.653              | 0.726                | 0.554                | 0.613                | 0.505                |
|                   | Back              | 0.786         | 0.175             | 0.198             | 0.244           | 0.297           |                 | 0.511               | 0.396             | 0.002                                | 0.615                              | 0.811              | 0.644                | 0.677                | 0.739                | 0.786                |
|                   | Left side         | 0.534         | 0.222             |                   |                 | 0.122           | 0.187           | 0.503               | 0.147             | 0.001                                | 0.334                              | 0.648              | 0.451                | 0.527                | 0.543                | 0.549                |
|                   | Right side        | 0.116         |                   | 0.010             | 0.044           |                 |                 | 0.069               | 0.034             | 0.001                                | 0.079                              | 0.116              | 0.100                | 0.073                | 0.094                | 0.073                |
|                   | Top side          | 0.941         | 0.013             | 0.512             | 0.256           | 0.124           | 0.007           | 0.526               | 0.211             | 0.029                                | 0.911                              | 0.920              | 0.755                | 0.673                | 0.727                | 0.677                |
|                   | Bottom side       |               |                   |                   |                 |                 |                 |                     |                   |                                      | 0.000                              | 0.000              | 0.000                | 0.000                | 0.000                | 0.000                |
| WCDMA IV_Ant 1    | Front             | 0.725         | 0.084             | 0.207             | 0.322           | 0.047           | 0.162           | 0.367               | 0.142             | 0.085                                | 0.591                              | 0.691              | 0.764                | 0.592                | 0.652                | 0.543                |
|                   | Back              | 0.863         | 0.175             | 0.198             | 0.244           | 0.297           |                 | 0.511               | 0.396             | 0.002                                | 0.663                              | 0.859              | 0.692                | 0.725                | 0.787                | 0.835                |
|                   | Left side         | 0.471         | 0.222             |                   |                 | 0.122           | 0.187           | 0.503               | 0.147             | 0.001                                | 0.294                              | 0.609              | 0.411                | 0.488                | 0.503                | 0.509                |
|                   | Right side        | 0.115         |                   | 0.010             | 0.044           |                 |                 | 0.069               | 0.034             | 0.001                                | 0.078                              | 0.115              | 0.099                | 0.072                | 0.093                | 0.072                |
|                   | Top side          | 0.985         | 0.013             | 0.512             | 0.256           | 0.124           | 0.007           | 0.526               | 0.211             | 0.029                                | 0.939                              | 0.947              | 0.783                | 0.700                | 0.755                | 0.704                |
|                   | Bottom side       |               |                   |                   |                 |                 |                 |                     |                   |                                      | 0.000                              | 0.000              | 0.000                | 0.000                | 0.000                | 0.000                |
| WCDMA V_Ant 1     | Front             | 0.419         | 0.084             | 0.207             | 0.322           | 0.047           | 0.162           | 0.367               | 0.142             | 0.085                                | 0.400                              | 0.500              | 0.573                | 0.401                | 0.460                | 0.352                |
|                   | Back              | 0.529         | 0.175             | 0.198             | 0.244           | 0.297           |                 | 0.511               | 0.396             | 0.002                                | 0.455                              | 0.650              | 0.483                | 0.516                | 0.578                | 0.626                |
|                   | Left side         | 0.343         | 0.222             |                   |                 | 0.122           | 0.187           | 0.503               | 0.147             | 0.001                                | 0.214                              | 0.529              | 0.331                | 0.408                | 0.423                | 0.429                |
|                   | Right side        | 0.167         |                   | 0.010             | 0.044           |                 |                 | 0.069               | 0.034             | 0.001                                | 0.111                              | 0.148              | 0.132                | 0.104                | 0.126                | 0.104                |
|                   | Top side          | 0.203         | 0.013             | 0.512             | 0.256           | 0.124           | 0.007           | 0.526               | 0.211             | 0.029                                | 0.450                              | 0.459              | 0.294                | 0.212                | 0.266                | 0.215                |
|                   | Bottom side       |               |                   |                   |                 |                 |                 |                     |                   |                                      | 0.000                              | 0.000              | 0.000                | 0.000                | 0.000                | 0.000                |
| LTE Band 7_Ant 1  | Front             | 0.442         | 0.084             | 0.207             | 0.322           | 0.047           | 0.162           | 0.367               | 0.142             | 0.085                                | 0.414                              | 0.514              | 0.587                | 0.415                | 0.475                | 0.367                |
|                   | Back              | 0.533         | 0.175             | 0.198             | 0.244           | 0.297           |                 | 0.511               | 0.396             | 0.002                                | 0.457                              | 0.653              | 0.486                | 0.519                | 0.581                | 0.628                |
|                   | Left side         | 0.191         | 0.222             |                   |                 | 0.122           | 0.187           | 0.503               | 0.147             | 0.001                                | 0.119                              | 0.434              | 0.236                | 0.313                | 0.328                | 0.334                |
|                   | Right side        | 0.064         |                   | 0.010             | 0.044           |                 |                 | 0.069               | 0.034             | 0.001                                | 0.046                              | 0.083              | 0.068                | 0.040                | 0.061                | 0.040                |
|                   | Top side          | 0.946         | 0.013             | 0.512             | 0.256           | 0.124           | 0.007           | 0.526               | 0.211             | 0.029                                | 0.914                              | 0.923              | 0.759                | 0.676                | 0.730                | 0.680                |
|                   | Bottom side       |               |                   |                   |                 |                 |                 |                     |                   |                                      | 0.000                              | 0.000              | 0.000                | 0.000                | 0.000                | 0.000                |
| LTE Band 12_Ant 1 | Front             | 0.238         | 0.084             | 0.207             | 0.322           | 0.047           | 0.162           | 0.367               | 0.142             | 0.085                                | 0.287                              | 0.387              | 0.460                | 0.288                | 0.347                | 0.239                |
|                   | Back              | 0.267         | 0.175             | 0.198             | 0.244           | 0.297           |                 | 0.511               | 0.396             | 0.002                                | 0.291                              | 0.486              | 0.320                | 0.353                | 0.415                | 0.462                |
|                   | Left side         | 0.241         | 0.222             |                   |                 | 0.122           | 0.187           | 0.503               | 0.147             | 0.001                                | 0.151                              | 0.465              | 0.268                | 0.344                | 0.359                | 0.366                |
|                   | Right side        | 0.104         |                   | 0.010             | 0.044           |                 |                 | 0.069               | 0.034             | 0.001                                | 0.071                              | 0.108              | 0.093                | 0.065                | 0.086                | 0.065                |
|                   | Top side          | 0.169         | 0.013             | 0.512             | 0.256           | 0.124           | 0.007           | 0.526               | 0.211             | 0.029                                | 0.429                              | 0.437              | 0.273                | 0.190                | 0.245                | 0.194                |
|                   | Bottom side       |               |                   |                   |                 |                 |                 |                     |                   |                                      | 0.000                              | 0.000              | 0.000                | 0.000                | 0.000                | 0.000                |
| LTE Band 13_Ant 1 | Front             | 0.425         | 0.084             | 0.207             | 0.322           | 0.047           | 0.162           | 0.367               | 0.142             | 0.085                                | 0.403                              | 0.503              | 0.577                | 0.405                | 0.464                | 0.356                |
|                   | Back              | 0.502         | 0.175             | 0.198             | 0.244           | 0.297           |                 | 0.511               | 0.396             | 0.002                                | 0.438                              | 0.633              | 0.466                | 0.500                | 0.561                | 0.609                |
|                   | Left side         | 0.276         | 0.222             |                   |                 | 0.122           | 0.187           | 0.503               | 0.147             | 0.001                                | 0.173                              | 0.487              | 0.289                | 0.366                | 0.381                | 0.388                |
|                   | Right side        | 0.115         |                   | 0.010             | 0.044           |                 |                 | 0.069               | 0.034             | 0.001                                | 0.078                              | 0.115              | 0.099                | 0.072                | 0.093                | 0.072                |
|                   | Top side          | 0.165         | 0.013             | 0.512             | 0.256           | 0.124           | 0.007           | 0.526               | 0.211             | 0.029                                | 0.426                              | 0.435              | 0.270                | 0.188                | 0.242                | 0.192                |
|                   | Bottom side       |               |                   |                   |                 |                 |                 |                     |                   |                                      | 0.000                              | 0.000              | 0.000                | 0.000                | 0.000                | 0.000                |
| LTE Band          | Front             | 0.720         | 0.084             | 0.207             | 0.322           | 0.047           | 0.162           | 0.367               | 0.142             | 0.085                                | 0.588                              | 0.688              | 0.761                | 0.589                | 0.648                | 0.540                |



# RF EXPOSURE EVALUATION REPORT

Report No. :FA8N0620-06C

|                   |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|-------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 25_Ant 1          | Back        | 0.993 | 0.175 | 0.198 | 0.244 | 0.297 |       | 0.511 | 0.396 | 0.002 | 0.745 | 0.940 | 0.773 | 0.806 | 0.868 | 0.916 |
|                   | Left side   | 0.567 | 0.222 |       |       | 0.122 | 0.187 | 0.503 | 0.147 | 0.001 | 0.354 | 0.669 | 0.471 | 0.548 | 0.563 | 0.569 |
|                   | Right side  | 0.120 |       | 0.010 | 0.044 |       |       | 0.069 | 0.034 | 0.001 | 0.081 | 0.118 | 0.103 | 0.075 | 0.096 | 0.075 |
|                   | Top side    | 0.991 | 0.013 | 0.512 | 0.256 | 0.124 | 0.007 | 0.526 | 0.211 | 0.029 | 0.942 | 0.951 | 0.787 | 0.704 | 0.759 | 0.708 |
|                   | Bottom side |       |       |       |       |       |       |       |       |       | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| LTE Band 26_Ant 1 | Front       | 0.363 | 0.084 | 0.207 | 0.322 | 0.047 | 0.162 | 0.367 | 0.142 | 0.085 | 0.365 | 0.465 | 0.538 | 0.366 | 0.425 | 0.317 |
|                   | Back        | 0.505 | 0.175 | 0.198 | 0.244 | 0.297 |       | 0.511 | 0.396 | 0.002 | 0.440 | 0.635 | 0.468 | 0.501 | 0.563 | 0.611 |
|                   | Left side   | 0.308 | 0.222 |       |       | 0.122 | 0.187 | 0.503 | 0.147 | 0.001 | 0.193 | 0.507 | 0.309 | 0.386 | 0.401 | 0.408 |
|                   | Right side  | 0.129 |       | 0.010 | 0.044 |       |       | 0.069 | 0.034 | 0.001 | 0.087 | 0.124 | 0.108 | 0.081 | 0.102 | 0.081 |
|                   | Top side    | 0.172 | 0.013 | 0.512 | 0.256 | 0.124 | 0.007 | 0.526 | 0.211 | 0.029 | 0.430 | 0.439 | 0.275 | 0.192 | 0.247 | 0.196 |
|                   | Bottom side |       |       |       |       |       |       |       |       |       | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| LTE Band 41_Ant 1 | Front       | 0.567 | 0.084 | 0.207 | 0.322 | 0.047 | 0.162 | 0.367 | 0.142 | 0.085 | 0.492 | 0.592 | 0.665 | 0.493 | 0.553 | 0.445 |
|                   | Back        | 0.687 | 0.175 | 0.198 | 0.244 | 0.297 |       | 0.511 | 0.396 | 0.002 | 0.553 | 0.749 | 0.582 | 0.615 | 0.677 | 0.725 |
|                   | Left side   | 0.246 | 0.222 |       |       | 0.122 | 0.187 | 0.503 | 0.147 | 0.001 | 0.154 | 0.468 | 0.271 | 0.347 | 0.363 | 0.369 |
|                   | Right side  | 0.142 |       | 0.010 | 0.044 |       |       | 0.069 | 0.034 | 0.001 | 0.095 | 0.132 | 0.116 | 0.089 | 0.110 | 0.089 |
|                   | Top side    | 0.975 | 0.013 | 0.512 | 0.256 | 0.124 | 0.007 | 0.526 | 0.211 | 0.029 | 0.932 | 0.941 | 0.777 | 0.694 | 0.749 | 0.698 |
|                   | Bottom side |       |       |       |       |       |       |       |       |       | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| LTE Band 66_Ant 1 | Front       | 0.698 | 0.084 | 0.207 | 0.322 | 0.047 | 0.162 | 0.367 | 0.142 | 0.085 | 0.574 | 0.674 | 0.747 | 0.575 | 0.635 | 0.527 |
|                   | Back        | 0.770 | 0.175 | 0.198 | 0.244 | 0.297 |       | 0.511 | 0.396 | 0.002 | 0.605 | 0.801 | 0.634 | 0.667 | 0.729 | 0.776 |
|                   | Left side   | 0.612 | 0.222 |       |       | 0.122 | 0.187 | 0.503 | 0.147 | 0.001 | 0.383 | 0.697 | 0.499 | 0.576 | 0.591 | 0.598 |
|                   | Right side  | 0.110 |       | 0.010 | 0.044 |       |       | 0.069 | 0.034 | 0.001 | 0.075 | 0.112 | 0.096 | 0.069 | 0.090 | 0.069 |
|                   | Top side    | 0.979 | 0.013 | 0.512 | 0.256 | 0.124 | 0.007 | 0.526 | 0.211 | 0.029 | 0.935 | 0.944 | 0.779 | 0.697 | 0.751 | 0.700 |
|                   | Bottom side |       |       |       |       |       |       |       |       |       | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| LTE Band 71_Ant 1 | Front       | 0.206 | 0.084 | 0.207 | 0.322 | 0.047 | 0.162 | 0.367 | 0.142 | 0.085 | 0.267 | 0.367 | 0.440 | 0.268 | 0.327 | 0.219 |
|                   | Back        | 0.247 | 0.175 | 0.198 | 0.244 | 0.297 |       | 0.511 | 0.396 | 0.002 | 0.278 | 0.474 | 0.307 | 0.340 | 0.402 | 0.450 |
|                   | Left side   | 0.148 | 0.222 |       |       | 0.122 | 0.187 | 0.503 | 0.147 | 0.001 | 0.093 | 0.407 | 0.209 | 0.286 | 0.301 | 0.308 |
|                   | Right side  | 0.049 |       | 0.010 | 0.044 |       |       | 0.069 | 0.034 | 0.001 | 0.037 | 0.074 | 0.058 | 0.031 | 0.052 | 0.031 |
|                   | Top side    | 0.111 | 0.013 | 0.512 | 0.256 | 0.124 | 0.007 | 0.526 | 0.211 | 0.029 | 0.392 | 0.401 | 0.237 | 0.154 | 0.209 | 0.158 |
|                   | Bottom side |       |       |       |       |       |       |       |       |       | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

**<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             | 0.595             | 0.462             | 0.451           | 0.082           | 0.227           | 0.152             | 0.085                                | <b>0.432</b>                       | <b>0.424</b>       | <b>0.202</b>       | <b>0.245</b>       |
| Back              | 0.780             | 0.508             | 0.322           | 0.793           | 0.315           | 1.183             | 0.002                                | <b>0.983</b>                       | <b>0.398</b>       | <b>0.693</b>       | <b>0.936</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             | 0.728             | 0.462             | 0.085                                | <b>0.752</b>                       |
| Back              | 1.020             | 0.508             | 0.002                                | <b>0.955</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             | 0.625         | 0.084             | 0.207             | 0.333           | 0.059           | 0.162           | 0.367               | 0.132             | 0.085                                | <b>0.528</b>                       | <b>0.628</b>       | <b>0.708</b>         | <b>0.537</b>         | <b>0.583</b>         | <b>0.488</b>         |
|                    | Back              | 0.956         | 0.175             | 0.198             | 0.244           | 0.297           | 0.170           | 0.511               | 0.392             | 0.002                                | <b>0.721</b>                       | <b>0.917</b>       | <b>0.856</b>         | <b>0.890</b>         | <b>0.949</b>         | <b>0.893</b>         |
| WCDMA II_Ant 0B    | Front             | 0.717         | 0.084             | 0.207             | 0.333           | 0.059           | 0.162           | 0.367               | 0.132             | 0.085                                | <b>0.586</b>                       | <b>0.686</b>       | <b>0.766</b>         | <b>0.595</b>         | <b>0.640</b>         | <b>0.546</b>         |
|                    | Back              | 0.942         | 0.175             | 0.198             | 0.244           | 0.297           | 0.170           | 0.511               | 0.392             | 0.002                                | <b>0.713</b>                       | <b>0.908</b>       | <b>0.848</b>         | <b>0.881</b>         | <b>0.940</b>         | <b>0.884</b>         |
| WCDMA IV_Ant 0B    | Front             | 0.599         | 0.084             | 0.207             | 0.333           | 0.059           | 0.162           | 0.367               | 0.132             | 0.085                                | <b>0.512</b>                       | <b>0.612</b>       | <b>0.692</b>         | <b>0.521</b>         | <b>0.567</b>         | <b>0.472</b>         |
|                    | Back              | 0.750         | 0.175             | 0.198             | 0.244           | 0.297           | 0.170           | 0.511               | 0.392             | 0.002                                | <b>0.593</b>                       | <b>0.788</b>       | <b>0.728</b>         | <b>0.761</b>         | <b>0.820</b>         | <b>0.764</b>         |
| LTE Band 7_Ant 0B  | Front             | 0.463         | 0.084             | 0.207             | 0.333           | 0.059           | 0.162           | 0.367               | 0.132             | 0.085                                | <b>0.427</b>                       | <b>0.527</b>       | <b>0.607</b>         | <b>0.436</b>         | <b>0.482</b>         | <b>0.387</b>         |
|                    | Back              | 0.764         | 0.175             | 0.198             | 0.244           | 0.297           | 0.170           | 0.511               | 0.392             | 0.002                                | <b>0.601</b>                       | <b>0.797</b>       | <b>0.736</b>         | <b>0.770</b>         | <b>0.829</b>         | <b>0.773</b>         |
| LTE Band 25_Ant 0B | Front             | 0.645         | 0.084             | 0.207             | 0.333           | 0.059           | 0.162           | 0.367               | 0.132             | 0.085                                | <b>0.541</b>                       | <b>0.641</b>       | <b>0.721</b>         | <b>0.550</b>         | <b>0.595</b>         | <b>0.501</b>         |
|                    | Back              | 0.957         | 0.175             | 0.198             | 0.244           | 0.297           | 0.170           | 0.511               | 0.392             | 0.002                                | <b>0.722</b>                       | <b>0.918</b>       | <b>0.857</b>         | <b>0.890</b>         | <b>0.950</b>         | <b>0.893</b>         |
| LTE Band 41_Ant 0B | Front             | 0.542         | 0.084             | 0.207             | 0.333           | 0.059           | 0.162           | 0.367               | 0.132             | 0.085                                | <b>0.477</b>                       | <b>0.577</b>       | <b>0.657</b>         | <b>0.485</b>         | <b>0.531</b>         | <b>0.437</b>         |
|                    | Back              | 0.760         | 0.175             | 0.198             | 0.244           | 0.297           | 0.170           | 0.511               | 0.392             | 0.002                                | <b>0.599</b>                       | <b>0.795</b>       | <b>0.734</b>         | <b>0.767</b>         | <b>0.826</b>         | <b>0.770</b>         |
| LTE Band 66_Ant 0B | Front             | 0.713         | 0.084             | 0.207             | 0.333           | 0.059           | 0.162           | 0.367               | 0.132             | 0.085                                | <b>0.583</b>                       | <b>0.683</b>       | <b>0.763</b>         | <b>0.592</b>         | <b>0.638</b>         | <b>0.543</b>         |
|                    | Back              | 0.734         | 0.175             | 0.198             | 0.244           | 0.297           | 0.170           | 0.511               | 0.392             | 0.002                                | <b>0.583</b>                       | <b>0.778</b>       | <b>0.718</b>         | <b>0.751</b>         | <b>0.810</b>         | <b>0.754</b>         |



**<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^2 (W/m2) |                                    |                    |                      |                      |                      |                      |
| GSM850_Ant 0C      | Front             | 0.749         | 0.084             | 0.207             | 0.333           | 0.059           | 0.162           | 0.367               | 0.132             | 0.085        | 0.606                              | 0.706              | 0.786                | 0.615                | 0.660                | 0.566                |
|                    | Back              | 0.949         | 0.175             | 0.198             | 0.244           | 0.297           | 0.170           | 0.511               | 0.392             | 0.002        | 0.717                              | 0.913              | 0.852                | 0.885                | 0.945                | 0.888                |
| WCDMA IV_Ant 0C    | Front             | 0.359         | 0.084             | 0.207             | 0.333           | 0.059           | 0.162           | 0.367               | 0.132             | 0.085        | 0.362                              | 0.462              | 0.542                | 0.371                | 0.417                | 0.322                |
|                    | Back              | 0.447         | 0.175             | 0.198             | 0.244           | 0.297           | 0.170           | 0.511               | 0.392             | 0.002        | 0.403                              | 0.599              | 0.538                | 0.571                | 0.631                | 0.575                |
| WCDMA V_Ant 0C     | Front             | 0.637         | 0.084             | 0.207             | 0.333           | 0.059           | 0.162           | 0.367               | 0.132             | 0.085        | 0.536                              | 0.636              | 0.716                | 0.545                | 0.590                | 0.496                |
|                    | Back              | 0.953         | 0.175             | 0.198             | 0.244           | 0.297           | 0.170           | 0.511               | 0.392             | 0.002        | 0.720                              | 0.915              | 0.855                | 0.888                | 0.947                | 0.891                |
| LTE Band 4_Ant 0C  | Front             | 0.342         | 0.084             | 0.207             | 0.333           | 0.059           | 0.162           | 0.367               | 0.132             | 0.085        | 0.352                              | 0.452              | 0.532                | 0.360                | 0.406                | 0.312                |
|                    | Back              | 0.395         | 0.175             | 0.198             | 0.244           | 0.297           | 0.170           | 0.511               | 0.392             | 0.002        | 0.371                              | 0.566              | 0.506                | 0.539                | 0.598                | 0.542                |
| LTE Band 7_Ant 0C  | Front             | 0.474         | 0.084             | 0.207             | 0.333           | 0.059           | 0.162           | 0.367               | 0.132             | 0.085        | 0.434                              | 0.534              | 0.614                | 0.443                | 0.488                | 0.394                |
|                    | Back              | 0.682         | 0.175             | 0.198             | 0.244           | 0.297           | 0.170           | 0.511               | 0.392             | 0.002        | 0.550                              | 0.746              | 0.685                | 0.718                | 0.778                | 0.721                |
| LTE Band 12_Ant 0C | Front             | 0.253         | 0.084             | 0.207             | 0.333           | 0.059           | 0.162           | 0.367               | 0.132             | 0.085        | 0.296                              | 0.396              | 0.476                | 0.305                | 0.350                | 0.256                |
|                    | Back              | 0.328         | 0.175             | 0.198             | 0.244           | 0.297           | 0.170           | 0.511               | 0.392             | 0.002        | 0.329                              | 0.525              | 0.464                | 0.497                | 0.556                | 0.500                |
| LTE Band 13_Ant 0C | Front             | 0.552         | 0.084             | 0.207             | 0.333           | 0.059           | 0.162           | 0.367               | 0.132             | 0.085        | 0.483                              | 0.583              | 0.663                | 0.492                | 0.537                | 0.443                |
|                    | Back              | 0.651         | 0.175             | 0.198             | 0.244           | 0.297           | 0.170           | 0.511               | 0.392             | 0.002        | 0.531                              | 0.726              | 0.666                | 0.699                | 0.758                | 0.702                |
| LTE Band 26_Ant 0C | Front             | 0.746         | 0.084             | 0.207             | 0.333           | 0.059           | 0.162           | 0.367               | 0.132             | 0.085        | 0.604                              | 0.704              | 0.784                | 0.613                | 0.658                | 0.564                |
|                    | Back              | 0.984         | 0.175             | 0.198             | 0.244           | 0.297           | 0.170           | 0.511               | 0.392             | 0.002        | 0.739                              | 0.935              | 0.874                | 0.907                | 0.966                | 0.910                |
| LTE Band 38_Ant 0C | Front             | 0.217         | 0.084             | 0.207             | 0.333           | 0.059           | 0.162           | 0.367               | 0.132             | 0.085        | 0.273                              | 0.373              | 0.453                | 0.282                | 0.328                | 0.233                |
|                    | Back              | 0.350         | 0.175             | 0.198             | 0.244           | 0.297           | 0.170           | 0.511               | 0.392             | 0.002        | 0.343                              | 0.538              | 0.478                | 0.511                | 0.570                | 0.514                |
| LTE Band 41_Ant 0C | Front             | 0.182         | 0.084             | 0.207             | 0.333           | 0.059           | 0.162           | 0.367               | 0.132             | 0.085        | 0.252                              | 0.352              | 0.432                | 0.260                | 0.306                | 0.212                |
|                    | Back              | 0.343         | 0.175             | 0.198             | 0.244           | 0.297           | 0.170           | 0.511               | 0.392             | 0.002        | 0.338                              | 0.534              | 0.473                | 0.506                | 0.566                | 0.510                |
| LTE Band 71_Ant 0C | Front             | 0.283         | 0.084             | 0.207             | 0.333           | 0.059           | 0.162           | 0.367               | 0.132             | 0.085        | 0.315                              | 0.415              | 0.495                | 0.323                | 0.369                | 0.275                |
|                    | Back              | 0.385         | 0.175             | 0.198             | 0.244           | 0.297           | 0.170           | 0.511               | 0.392             | 0.002        | 0.365                              | 0.560              | 0.500                | 0.533                | 0.592                | 0.536                |



**<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             | 0.347         | 0.084             | 0.207             | 0.333           | 0.059           | 0.162           | 0.367               | 0.132             | 0.085        | 0.355                              | 0.455              | 0.535                | 0.363                | 0.409                | 0.315                |
|                   | Back              | 0.433         | 0.175             | 0.198             | 0.244           | 0.297           | 0.170           | 0.511               | 0.392             | 0.002        | 0.395                              | 0.590              | 0.530                | 0.563                | 0.622                | 0.566                |
| GSM1900_Ant 1     | Front             | 0.788         | 0.084             | 0.207             | 0.333           | 0.059           | 0.162           | 0.367               | 0.132             | 0.085        | 0.630                              | 0.730              | 0.810                | 0.639                | 0.685                | 0.590                |
|                   | Back              | 0.975         | 0.175             | 0.198             | 0.244           | 0.297           | 0.170           | 0.511               | 0.392             | 0.002        | 0.733                              | 0.929              | 0.868                | 0.901                | 0.961                | 0.905                |
| WCDMA II_Ant 1    | Front             | 0.822         | 0.084             | 0.207             | 0.333           | 0.059           | 0.162           | 0.367               | 0.132             | 0.085        | 0.652                              | 0.752              | 0.832                | 0.660                | 0.706                | 0.612                |
|                   | Back              | 0.954         | 0.175             | 0.198             | 0.244           | 0.297           | 0.170           | 0.511               | 0.392             | 0.002        | 0.720                              | 0.916              | 0.855                | 0.888                | 0.948                | 0.891                |
| WCDMA IV_Ant 1    | Front             | 0.813         | 0.084             | 0.207             | 0.333           | 0.059           | 0.162           | 0.367               | 0.132             | 0.085        | 0.646                              | 0.746              | 0.826                | 0.655                | 0.700                | 0.606                |
|                   | Back              | 0.968         | 0.175             | 0.198             | 0.244           | 0.297           | 0.170           | 0.511               | 0.392             | 0.002        | 0.729                              | 0.925              | 0.864                | 0.897                | 0.956                | 0.900                |
| WCDMA V_Ant 1     | Front             | 0.419         | 0.084             | 0.207             | 0.333           | 0.059           | 0.162           | 0.367               | 0.132             | 0.085        | 0.400                              | 0.500              | 0.580                | 0.408                | 0.454                | 0.360                |
|                   | Back              | 0.529         | 0.175             | 0.198             | 0.244           | 0.297           | 0.170           | 0.511               | 0.392             | 0.002        | 0.455                              | 0.650              | 0.590                | 0.623                | 0.682                | 0.626                |
| LTE Band 7_Ant 1  | Front             | 0.684         | 0.084             | 0.207             | 0.333           | 0.059           | 0.162           | 0.367               | 0.132             | 0.085        | 0.565                              | 0.665              | 0.745                | 0.574                | 0.620                | 0.525                |
|                   | Back              | 0.661         | 0.175             | 0.198             | 0.244           | 0.297           | 0.170           | 0.511               | 0.392             | 0.002        | 0.537                              | 0.733              | 0.672                | 0.705                | 0.765                | 0.708                |
| LTE Band 12_Ant 1 | Front             | 0.238         | 0.084             | 0.207             | 0.333           | 0.059           | 0.162           | 0.367               | 0.132             | 0.085        | 0.287                              | 0.387              | 0.467                | 0.295                | 0.341                | 0.247                |
|                   | Back              | 0.267         | 0.175             | 0.198             | 0.244           | 0.297           | 0.170           | 0.511               | 0.392             | 0.002        | 0.291                              | 0.486              | 0.426                | 0.459                | 0.518                | 0.462                |
| LTE Band 13_Ant 1 | Front             | 0.425         | 0.084             | 0.207             | 0.333           | 0.059           | 0.162           | 0.367               | 0.132             | 0.085        | 0.403                              | 0.503              | 0.583                | 0.412                | 0.458                | 0.363                |
|                   | Back              | 0.502         | 0.175             | 0.198             | 0.244           | 0.297           | 0.170           | 0.511               | 0.392             | 0.002        | 0.438                              | 0.633              | 0.573                | 0.606                | 0.665                | 0.609                |
| LTE Band 25_Ant 1 | Front             | 0.847         | 0.084             | 0.207             | 0.333           | 0.059           | 0.162           | 0.367               | 0.132             | 0.085        | 0.667                              | 0.767              | 0.847                | 0.676                | 0.722                | 0.627                |
|                   | Back              | 0.978         | 0.175             | 0.198             | 0.244           | 0.297           | 0.170           | 0.511               | 0.392             | 0.002        | 0.735                              | 0.931              | 0.870                | 0.903                | 0.963                | 0.906                |
| LTE Band 26_Ant 1 | Front             | 0.363         | 0.084             | 0.207             | 0.333           | 0.059           | 0.162           | 0.367               | 0.132             | 0.085        | 0.365                              | 0.465              | 0.545                | 0.373                | 0.419                | 0.325                |
|                   | Back              | 0.505         | 0.175             | 0.198             | 0.244           | 0.297           | 0.170           | 0.511               | 0.392             | 0.002        | 0.440                              | 0.635              | 0.575                | 0.608                | 0.667                | 0.611                |
| LTE Band 41_Ant 1 | Front             | 0.689         | 0.084             | 0.207             | 0.333           | 0.059           | 0.162           | 0.367               | 0.132             | 0.085        | 0.568                              | 0.668              | 0.748                | 0.577                | 0.623                | 0.528                |
|                   | Back              | 0.770         | 0.175             | 0.198             | 0.244           | 0.297           | 0.170           | 0.511               | 0.392             | 0.002        | 0.605                              | 0.801              | 0.740                | 0.773                | 0.833                | 0.776                |
| LTE Band 66_Ant 1 | Front             | 0.890         | 0.084             | 0.207             | 0.333           | 0.059           | 0.162           | 0.367               | 0.132             | 0.085        | 0.694                              | 0.794              | 0.874                | 0.703                | 0.748                | 0.654                |
|                   | Back              | 0.963         | 0.175             | 0.198             | 0.244           | 0.297           | 0.170           | 0.511               | 0.392             | 0.002        | 0.726                              | 0.921              | 0.861                | 0.894                | 0.953                | 0.897                |
| LTE Band 71_Ant 1 | Front             | 0.206         | 0.084             | 0.207             | 0.333           | 0.059           | 0.162           | 0.367               | 0.132             | 0.085        | 0.267                              | 0.367              | 0.447                | 0.275                | 0.321                | 0.227                |
|                   | Back              | 0.247         | 0.175             | 0.198             | 0.244           | 0.297           | 0.170           | 0.511               | 0.392             | 0.002        | 0.278                              | 0.474              | 0.413                | 0.446                | 0.506                | 0.450                |

**<Product Specific Exposure Conditions>**
**Remark:**

1. 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<br>Summation |
|-------------------|-------------------|-------------------|-----------------------------------------|-------------------------------------|
|                   |                   | WWAN              | PD                                      | 1+9<br>Summed Ratio                 |
|                   |                   | 10g SAR<br>(W/kg) | 4cm <sup>2</sup><br>(W/m <sup>2</sup> ) |                                     |
| LTE Band 7_ANT 1  | Front             | -                 | 0.229                                   | 0.023                               |
|                   | Back              | -                 | 0.007                                   | 0.001                               |
|                   | Left side         | -                 | 0.001                                   | 0.000                               |
|                   | Right side        | -                 | 0.001                                   | 0.000                               |
|                   | Top side          | 3.318             | 0.066                                   | 0.836                               |
|                   | Bottom side       | -                 | -                                       | 0.000                               |
| LTE Band 41_ANT 1 | Front             | -                 | 0.229                                   | 0.023                               |
|                   | Back              | -                 | 0.007                                   | 0.001                               |
|                   | Left side         | -                 | 0.001                                   | 0.000                               |
|                   | Right side        | -                 | 0.001                                   | 0.000                               |
|                   | Top side          | 3.563             | 0.066                                   | 0.897                               |
|                   | Bottom side       | -                 | -                                       | 0.000                               |

**<Standalone SISO consideration>**

| Exposure Position | 2                    | 3                    | 4                  | 5                  | 6                  | 9                                       | Reported SAR/4 + PD/10<br>Summation |                          |                          |
|-------------------|----------------------|----------------------|--------------------|--------------------|--------------------|-----------------------------------------|-------------------------------------|--------------------------|--------------------------|
|                   | 2.4GHz WLAN<br>Ant 2 | 2.4GHz WLAN<br>Ant 4 | 5GHz WLAN<br>Ant 4 | 5GHz WLAN<br>Ant 5 | Bluetooth<br>Ant 2 | PD                                      | 2+5+9<br>Summed<br>Ratio            | 4+6+9<br>Summed<br>Ratio | 5+6+9<br>Summed<br>Ratio |
|                   | 10g SAR<br>(W/kg)    | 10g SAR<br>(W/kg)    | 10g SAR<br>(W/kg)  | 10g SAR<br>(W/kg)  | 10g SAR<br>(W/kg)  | 4cm <sup>2</sup><br>(W/m <sup>2</sup> ) |                                     |                          |                          |
| Front             | -                    | -                    | 1.704              | 0.330              | -                  | 0.229                                   | 0.105                               | 0.449                    | 0.105                    |
| Back              | -                    | -                    | 1.278              | 1.973              | -                  | 0.007                                   | 0.494                               | 0.320                    | 0.494                    |
| Left side         | -                    | -                    | -                  | 0.635              | -                  | 0.001                                   | 0.159                               | 0.000                    | 0.159                    |
| Right side        | -                    | -                    | 0.097              | -                  | -                  | 0.001                                   | 0.000                               | 0.024                    | 0.000                    |
| Top side          | -                    | -                    | 0.883              | 0.320              | -                  | 0.066                                   | 0.087                               | 0.227                    | 0.087                    |
| Bottom side       | -                    | -                    | -                  | -                  | -                  | -                                       | 0.105                               | 0.449                    | 0.105                    |

**<Standalone MIMO consideration>**

| Exposure Position | 2                    | 3                    | 4                  | 5                  | 6                  | 9                                       | Reported SAR/4 + PD/10<br>Summation |                            |
|-------------------|----------------------|----------------------|--------------------|--------------------|--------------------|-----------------------------------------|-------------------------------------|----------------------------|
|                   | 2.4GHz WLAN<br>Ant 2 | 2.4GHz WLAN<br>Ant 4 | 5GHz WLAN<br>Ant 4 | 5GHz WLAN<br>Ant 5 | Bluetooth<br>Ant 2 | PD                                      | 2+3+9<br>Summed<br>Ratio            | 4+5+6+9<br>Summed<br>Ratio |
|                   | 10g SAR<br>(W/kg)    | 10g SAR<br>(W/kg)    | 10g SAR<br>(W/kg)  | 10g SAR<br>(W/kg)  | 10g SAR<br>(W/kg)  | 4cm <sup>2</sup><br>(W/m <sup>2</sup> ) |                                     |                            |
| Front             | -                    | -                    | 1.704              | 0.447              | -                  | 0.229                                   | 0.000                               | 0.561                      |
| Back              | -                    | -                    | 1.278              | 2.612              | -                  | 0.007                                   | 0.000                               | 0.973                      |
| Left side         | 3.289                | -                    | -                  | 0.867              | -                  | 0.001                                   | 0.874                               | 0.217                      |
| Right side        | -                    | -                    | 0.097              | -                  | -                  | 0.001                                   | 0.000                               | 0.024                      |
| Top side          | -                    | -                    | 0.883              | 0.437              | -                  | 0.066                                   | 0.000                               | 0.337                      |
| 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             | -              | -                 | -                 | 1.704           | 0.330           | -               | -                   | -                 | 0.229                                | 0.000                            | 0.000              | 0.449                | 0.105                | 0.000                | 0.105                |
| Back              | -              | -                 | -                 | 1.278           | 1.973           | -               | -                   | -                 | 0.007                                | 0.000                            | 0.000              | 0.320                | 0.494                | 0.000                | 0.494                |
| Left side         | -              | -                 | -                 | -               | 0.635           | -               | -                   | -                 | 0.001                                | 0.000                            | 0.000              | 0.000                | 0.159                | 0.000                | 0.159                |
| Right side        | -              | -                 | -                 | 0.097           | -               | -               | -                   | -                 | 0.001                                | 0.000                            | 0.000              | 0.024                | 0.000                | 0.000                | 0.000                |
| Top side          | -              | -                 | -                 | 0.883           | 0.320           | -               | -                   | -                 | 0.066                                | 0.000                            | 0.000              | 0.227                | 0.087                | 0.000                | 0.087                |
| Bottom side       | -              | -                 | -                 | -               | -               | -               | -                   | -                 | -                                    | 0.000                            | 0.000              | 0.449                | 0.105                | 0.000                | 0.105                |