

## 17.4 Body-Worn Accessory Exposure Conditions

**General Note:** The unit of SAR evaluation is W/kg.

**Simultaneous Transmission Evaluation of WWAN+WLAN+BT:**

**<AG0 maximum reported SAR>:**

| Test Position | Ant0  | Ant1  | Ant9  | MAX   |
|---------------|-------|-------|-------|-------|
| Front         | 0.685 | 1.056 | 0.465 | 1.056 |
| Back          | 1.296 | 1.296 | 0.871 | 1.296 |

**<AG1 maximum reported SAR>:**

| Test Position | Ant3  | Ant4  | Ant5  | Ant7  | MAX   |
|---------------|-------|-------|-------|-------|-------|
| Front         | 0.016 | 0.356 | 0.359 | 0.390 | 0.390 |
| Back          | 0.891 | 0.891 | 0.875 | 0.892 | 0.892 |

**<WLAN2.4GHz/5GHz/6GHz+BT Worse-case SAR>:**

| NO            | 1                                     | 2                                   | 3                                   | 4                           | 5                           | 2+4 Summed<br>1g SAR (W/kg) | 2+5 Summed<br>1g SAR (W/kg) | WLAN+BT<br>worse case<br>Summed<br>1g SAR (W/kg) |
|---------------|---------------------------------------|-------------------------------------|-------------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|--------------------------------------------------|
| Test Position | WLAN2.4GHz<br>Ant6+8<br>1g SAR (W/kg) | WLAN5GHz<br>Ant5+8<br>1g SAR (W/kg) | WLAN6GHz<br>Ant5+8<br>1g SAR (W/kg) | BT<br>Ant6<br>1g SAR (W/kg) | BT<br>Ant8<br>1g SAR (W/kg) |                             |                             |                                                  |
| Front         | 0.180                                 | 0.245                               | 0.096                               | 0.139                       | 0.131                       | 0.384                       | 0.376                       | 0.384                                            |
| Back          | 0.380                                 | 0.392                               | 0.371                               | 0.259                       | 0.253                       | 0.651                       | 0.645                       | 0.651                                            |

**<Simultaneous Transmission analysis of AG0 + AG1 + WLAN+BT Worse-case>:**

| Test Position | AG1           | AG0           | WLAN/BT worst case      | AG0+AG1+WLAN +BT<br>worse case |
|---------------|---------------|---------------|-------------------------|--------------------------------|
|               | 1g SAR (W/kg) | 1g SAR (W/kg) | Summed<br>1g SAR (W/kg) | Summed<br>1g SAR (W/kg)        |
| Front         | 0.390         | 1.056         | 0.384                   | 1.83                           |
| Back          | 0.892         | 1.296         | 0.651                   | 2.84                           |

Note: The results marked yellow in above table refers to the detailed analysis corresponding to each position below tables.

| Front           |               |               |                    |                             |        |
|-----------------|---------------|---------------|--------------------|-----------------------------|--------|
| Ant combination | AG0           | AG1           | WLAN/BT worst case | AG0+AG1+WLAN +BT worst case | Note   |
|                 | 1g SAR (W/kg) | 1g SAR (W/kg) | 1g SAR (W/kg)      | 1g SAR (W/kg)               |        |
| Ant0-Ant3       | 0.685         | 0.016         | 0.384              | 1.09                        | -      |
| Ant0-Ant4       | 0.685         | 0.356         | 0.384              | 1.43                        | -      |
| Ant0-Ant5       | 0.685         | 0.359         | 0.384              | 1.43                        | -      |
| Ant0-Ant7       | 0.685         | 0.390         | 0.384              | 1.46                        | -      |
| Ant1-Ant3       | 1.056         | 0.016         | 0.384              | 1.46                        | -      |
| Ant1-Ant4       | 1.056         | 0.356         | 0.384              | 1.80                        | Case 1 |
| Ant1-Ant5       | 1.056         | 0.359         | 0.384              | 1.80                        | Case 2 |
| Ant1-Ant7       | 1.056         | 0.390         | 0.384              | 1.83                        | Case 3 |
| Ant9-Ant3       | 0.465         | 0.016         | 0.384              | 0.87                        | -      |
| Ant9-Ant4       | 0.465         | 0.356         | 0.384              | 1.21                        | -      |
| Ant9-Ant5       | 0.465         | 0.359         | 0.384              | 1.21                        | -      |
| Ant9-Ant7       | 0.465         | 0.390         | 0.384              | 1.24                        | -      |

| Back            |               |               |                    |                             |         |
|-----------------|---------------|---------------|--------------------|-----------------------------|---------|
| Ant combination | AG0           | AG1           | WLAN/BT worst case | AG1+AG0+WLAN +BT worst case | Note    |
|                 | 1g SAR (W/kg) | 1g SAR (W/kg) | 1g SAR (W/kg)      | 1g SAR (W/kg)               |         |
| Ant0-Ant3       | 1.296         | 0.891         | 0.651              | 2.84                        | Case 4  |
| Ant0-Ant4       | 1.296         | 0.891         | 0.651              | 2.84                        | Case 5  |
| Ant0-Ant5       | 1.296         | 0.875         | 0.651              | 2.82                        | Case 6  |
| Ant0-Ant7       | 1.296         | 0.892         | 0.651              | 2.84                        | Case 7  |
| Ant1-Ant3       | 1.296         | 0.891         | 0.651              | 2.84                        | Case 8  |
| Ant1-Ant4       | 1.296         | 0.891         | 0.651              | 2.84                        | Case 9  |
| Ant1-Ant5       | 1.296         | 0.875         | 0.651              | 2.82                        | Case 10 |
| Ant1-Ant7       | 1.296         | 0.892         | 0.651              | 2.84                        | Case 11 |
| Ant9-Ant3       | 0.871         | 0.891         | 0.651              | 2.41                        | Case 12 |
| Ant9-Ant4       | 0.871         | 0.891         | 0.651              | 2.41                        | Case 13 |
| Ant9-Ant5       | 0.871         | 0.875         | 0.651              | 2.40                        | Case 14 |
| Ant9-Ant7       | 0.871         | 0.892         | 0.651              | 2.41                        | Case 15 |

## <Sensor off>

General Note: The unit of SAR evaluation is W/kg.

### Simultaneous Transmission Evaluation of WWAN+WLAN+BT:

#### <AG0 maximum reported SAR>:

| Test Position | Ant0  | Ant1  | Ant9  | MAX   |
|---------------|-------|-------|-------|-------|
| Front         | 0.303 | 0.331 | 0.115 | 0.331 |
| Back          | 0.376 | 0.386 | 0.144 | 0.386 |

#### <AG1 maximum reported SAR>:

| Test Position | Ant3  | Ant4  | Ant5  | Ant7  | MAX   |
|---------------|-------|-------|-------|-------|-------|
| Front         | 0.052 | 0.299 | 0.228 | 0.081 | 0.299 |
| Back          | 0.233 | 0.654 | 0.500 | 0.146 | 0.654 |

#### <WLAN2.4GHz/5GHz/6GHz/BT Worse-case SAR

| NO            | 1                                  | 2                                | 3                                | WLAN/BT worse case Summed 1g SAR (W/kg) |
|---------------|------------------------------------|----------------------------------|----------------------------------|-----------------------------------------|
| Test Position | WLAN2.4GHz Ant6+8<br>1g SAR (W/kg) | WLAN5GHz Ant5+8<br>1g SAR (W/kg) | WLAN6GHz Ant5+8<br>1g SAR (W/kg) |                                         |
| Front         | 0.189                              | 0.327                            | 0.065                            | 0.327                                   |
| Back          | 0.269                              | 0.791                            | 0.202                            | 0.791                                   |

#### <Simultaneous Transmission analysis of AG0 + AG1 + WLAN+BT Worse-case>:

| Test Position | AG1           | AG0           | WLAN/BT worst case   | AG1+AG0+WLAN +BT worse case |
|---------------|---------------|---------------|----------------------|-----------------------------|
|               | 1g SAR (W/kg) | 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Summed 1g SAR (W/kg)        |
| Front         | 0.299         | 0.331         | 0.327                | 0.96                        |
| Back          | 0.654         | 0.386         | 0.791                | 1.83                        |

Note: The results marked yellow in above table refers to the detailed analysis corresponding to each position below tables.

| Back            |               |               |                    |                             |        |
|-----------------|---------------|---------------|--------------------|-----------------------------|--------|
| Ant combination | AG0           | AG1           | WLAN/BT worst case | AG1+AG0+WLAN +BT worst case | Note   |
|                 | 1g SAR (W/kg) | 1g SAR (W/kg) | 1g SAR (W/kg)      | 1g SAR (W/kg)               |        |
| Ant0-Ant3       | 0.376         | 0.233         | 0.791              | 1.40                        | -      |
| Ant0-Ant4       | 0.376         | 0.654         | 0.791              | 1.82                        | Case 3 |
| Ant0-Ant5       | 0.376         | 0.500         | 0.791              | 1.67                        | Case 4 |
| Ant0-Ant7       | 0.376         | 0.146         | 0.791              | 1.31                        | -      |
| Ant1-Ant3       | 0.386         | 0.233         | 0.791              | 1.41                        | -      |
| Ant1-Ant4       | 0.386         | 0.654         | 0.791              | 1.83                        | Case 1 |
| Ant1-Ant5       | 0.386         | 0.500         | 0.791              | 1.68                        | Case 2 |
| Ant1-Ant7       | 0.386         | 0.146         | 0.791              | 1.32                        | -      |
| Ant9-Ant3       | 0.144         | 0.233         | 0.791              | 1.17                        | -      |
| Ant9-Ant4       | 0.144         | 0.654         | 0.791              | 1.59                        | -      |
| Ant9-Ant5       | 0.144         | 0.500         | 0.791              | 1.44                        | -      |
| Ant9-Ant7       | 0.144         | 0.146         | 0.791              | 1.08                        | -      |

## 17.5 Product specific 10g SAR Exposure Conditions

**Remark:**

- For Bluetooth Product specific 10g stand-alone SAR is not required for a transmitter or antenna, due to 1g hotspot SAR is <1.2W/kg.

**General Note:** The unit of SAR evaluation is W/kg.

**Simultaneous Transmission Evaluation of WWAN+WLAN+BT+NFC:**
**<AG0 maximum reported SAR>:**

| Test Position | Ant0  | Ant1  | Ant9  | MAX   |
|---------------|-------|-------|-------|-------|
| Front         |       | 3.103 |       | 3.103 |
| Back          | 2.513 | 3.207 | 1.784 | 3.207 |
| Left Side     |       |       |       | 0.000 |
| Right Side    |       |       | 2.101 | 2.101 |
| Top Side      |       |       |       | 0.000 |
| Bottom Side   |       | 3.378 |       | 3.378 |

**<AG1 maximum reported SAR>:**

| Test Position | Ant3  | Ant4  | Ant5  | Ant7  | MAX   |
|---------------|-------|-------|-------|-------|-------|
| Front         |       |       |       |       | 0.000 |
| Back          | 2.446 | 2.481 | 1.165 |       | 2.481 |
| Left Side     |       |       |       |       | 0.000 |
| Right Side    |       |       |       | 2.466 | 2.466 |
| Top Side      |       | 2.559 | 2.551 |       | 2.559 |
| Bottom Side   |       |       |       |       | 0.000 |

**<WLAN2.4GHz/5GHz/6GHz+BT Worse-case SAR>**

| NO            | 1                 | 2               | 3               | WLAN/BT worse case Summed 10g SAR (W/kg) |
|---------------|-------------------|-----------------|-----------------|------------------------------------------|
| Test Position | WLAN2.4GHz Ant6+8 | WLAN5GHz Ant5+8 | WLAN6GHz Ant5+8 |                                          |
|               | 10g SAR (W/kg)    | 10g SAR (W/kg)  | 10g SAR (W/kg)  |                                          |
| Front         |                   | 0.433           | 0.232           | 0.433                                    |
| Back          | 0.496             | 0.256           | 0.186           | 0.496                                    |
| Left Side     |                   |                 |                 | 0.000                                    |
| Right Side    | 0.955             | 0.603           | 0.294           | 0.955                                    |
| Top Side      |                   | 0.995           | 0.662           | 0.995                                    |
| Bottom Side   |                   |                 |                 | 0.000                                    |

**<Simultaneous Transmission analysis of AG0 + AG1 + WLAN+BT Worse-case+NFC>:**

| Test Position | AG1            | AG0            | WLAN/BT worse case    | NFC            | AG0+AG1+WLAN +BT worse case+NFC |
|---------------|----------------|----------------|-----------------------|----------------|---------------------------------|
|               | 10g SAR (W/kg) | 10g SAR (W/kg) | Summed 10g SAR (W/kg) | 10g SAR (W/kg) | Summed 10g SAR (W/kg)           |
| Front         | 0.000          | 3.103          | 0.433                 | 0.002          | 3.54                            |
| Back          | 2.481          | 3.207          | 0.496                 | 0.021          | 6.21                            |
| Left Side     | 0.000          | 0.000          | 0.000                 | 0.001          | 0.00                            |
| Right Side    | 2.466          | 2.101          | 0.955                 | 0.001          | 5.52                            |
| Top Side      | 2.559          | 0.000          | 0.995                 | 0.001          | 3.56                            |
| Bottom Side   | 0.000          | 3.378          | 0.000                 | 0.001          | 3.38                            |

Note: The results marked yellow in above table refers to the detailed analysis corresponding to each position below tables.

| Back            |                |                |                    |                |                                 |        |
|-----------------|----------------|----------------|--------------------|----------------|---------------------------------|--------|
| Ant combination | AG0            | AG1            | WLAN+BT worse case | NFC            | AG0+AG1+WLAN +BT worse case+NFC | Note   |
|                 | 10g SAR (W/kg) | 10g SAR (W/kg) | 10g SAR (W/kg)     | 10g SAR (W/kg) | 10g SAR (W/kg)                  |        |
| Ant0-Ant3       | 2.513          | 2.446          | 0.496              | 0.021          | 5.48                            | Case 1 |
| Ant0-Ant4       | 2.513          | 2.481          | 0.496              | 0.021          | 5.51                            | Case 2 |
| Ant0-Ant5       | 2.513          | 1.165          | 0.496              | 0.021          | 4.20                            | Case 3 |
| Ant0-Ant7       | 2.513          |                | 0.496              | 0.021          | 3.03                            | -      |
| Ant1-Ant3       | 3.207          | 2.446          | 0.496              | 0.021          | 6.17                            | Case 4 |
| Ant1-Ant4       | 3.207          | 2.481          | 0.496              | 0.021          | 6.21                            | Case 5 |
| Ant1-Ant5       | 3.207          | 1.165          | 0.496              | 0.021          | 4.89                            | Case 6 |
| Ant1-Ant7       | 3.207          |                | 0.496              | 0.021          | 3.72                            | -      |
| Ant9-Ant3       | 1.784          | 2.446          | 0.496              | 0.021          | 4.75                            | Case 7 |
| Ant9-Ant4       | 1.784          | 2.481          | 0.496              | 0.021          | 4.78                            | Case 8 |
| Ant9-Ant5       | 1.784          | 1.165          | 0.496              | 0.021          | 3.47                            | -      |
| Ant9-Ant7       | 1.784          |                | 0.496              | 0.021          | 2.30                            | -      |

| Right Side      |                |                |                    |                |                                 |        |
|-----------------|----------------|----------------|--------------------|----------------|---------------------------------|--------|
| Ant combination | AG0            | AG1            | WLAN+BT worse case | NFC            | AG1+AG0+WLAN +BT worse case+NFC | Note   |
|                 | 10g SAR (W/kg) | 10g SAR (W/kg) | 10g SAR (W/kg)     | 10g SAR (W/kg) | 10g SAR (W/kg)                  |        |
| Ant0-Ant3       |                |                | 0.955              | 0.001          | 0.96                            | -      |
| Ant0-Ant4       |                |                | 0.955              | 0.001          | 0.96                            | -      |
| Ant0-Ant5       |                |                | 0.955              | 0.001          | 0.96                            | -      |
| Ant0-Ant7       |                | 2.466          | 0.955              | 0.001          | 3.42                            | -      |
| Ant1-Ant3       |                |                | 0.955              | 0.001          | 0.96                            | -      |
| Ant1-Ant4       |                |                | 0.955              | 0.001          | 0.96                            | -      |
| Ant1-Ant5       |                |                | 0.955              | 0.001          | 0.96                            | -      |
| Ant1-Ant7       |                | 2.466          | 0.955              | 0.001          | 3.42                            | -      |
| Ant9-Ant3       | 2.101          |                | 0.955              | 0.001          | 3.06                            | -      |
| Ant9-Ant4       | 2.101          |                | 0.955              | 0.001          | 3.06                            | -      |
| Ant9-Ant5       | 2.101          |                | 0.955              | 0.001          | 3.06                            | -      |
| Ant9-Ant7       | 2.101          | 2.466          | 0.955              | 0.001          | 5.52                            | Case 9 |

**<Sensor off>**

**General Note:** The unit of SAR evaluation is W/kg.

**Simultaneous Transmission Evaluation of WWAN+WLAN+BT+NFC:**

**<AG0 maximum reported SAR>:**

| Test Position | Ant0  | Ant1  | MAX   |
|---------------|-------|-------|-------|
| Back          | 2.513 | 0.881 | 2.513 |

**<AG1 maximum reported SAR>:**

| Test Position | Ant4  | Ant5  | MAX   |
|---------------|-------|-------|-------|
| Back          | 0.345 | 0.288 | 0.345 |

**<WLAN2.4GHz/5GHz/6GHz+BT Worse-case SAR>:**

| NO            | 1                 | 2               | 3               | WLAN/BT worse case    |
|---------------|-------------------|-----------------|-----------------|-----------------------|
| Test Position | WLAN2.4GHz Ant6+8 | WLAN5GHz Ant5+8 | WLAN6GHz Ant5+8 | Summed 10g SAR (W/kg) |
|               | 10g SAR (W/kg)    | 10g SAR (W/kg)  | 10g SAR (W/kg)  |                       |
| Back          | 0.528             | 0.693           | 0.286           | 0.693                 |

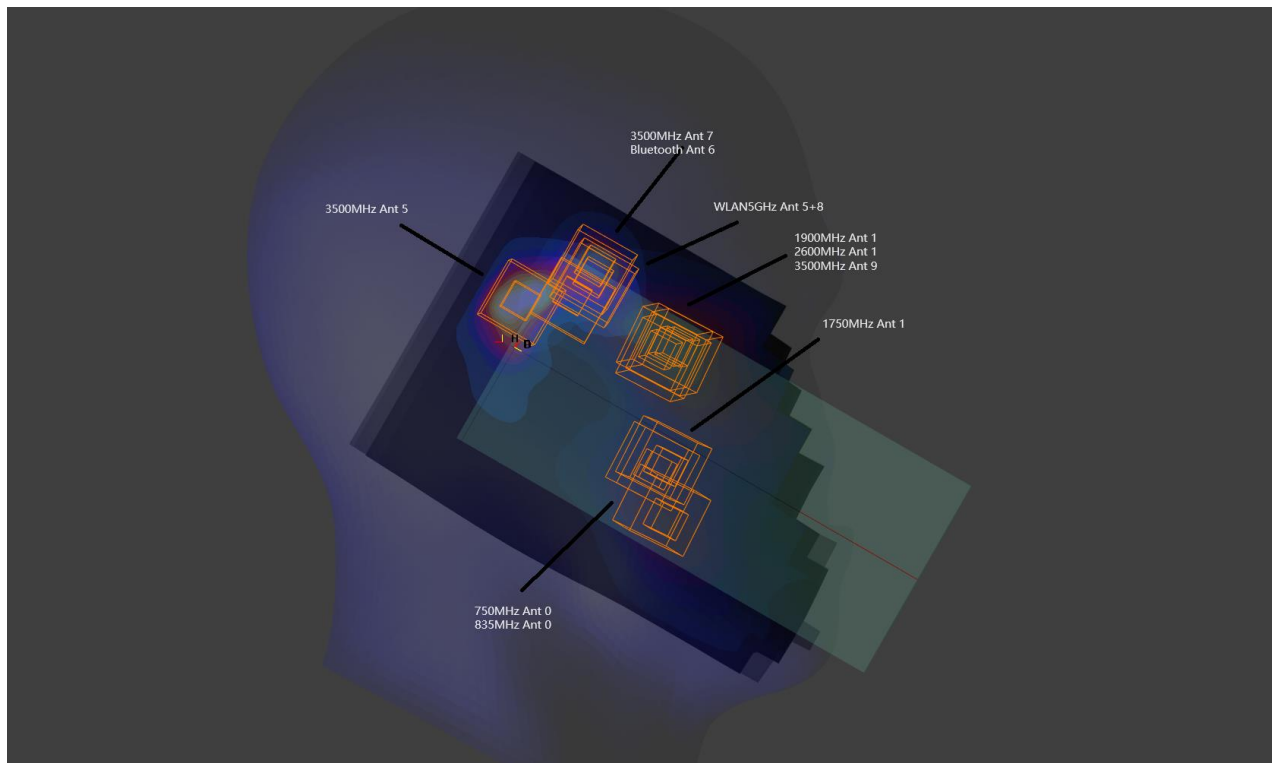
**<Simultaneous Transmission analysis of AG0 + AG1 + WLAN+BT Worse-case+NFC>:**

| Test Position | AG1            | AG0            | Wlan/BT worst case    | AG0+AG1+WLAN +BT worse case |
|---------------|----------------|----------------|-----------------------|-----------------------------|
|               | 10g SAR (W/kg) | 10g SAR (W/kg) | Summed 10g SAR (W/kg) | Summed 10g SAR (W/kg)       |
| Back          | 0.345          | 2.513          | 0.693                 | 3.55                        |

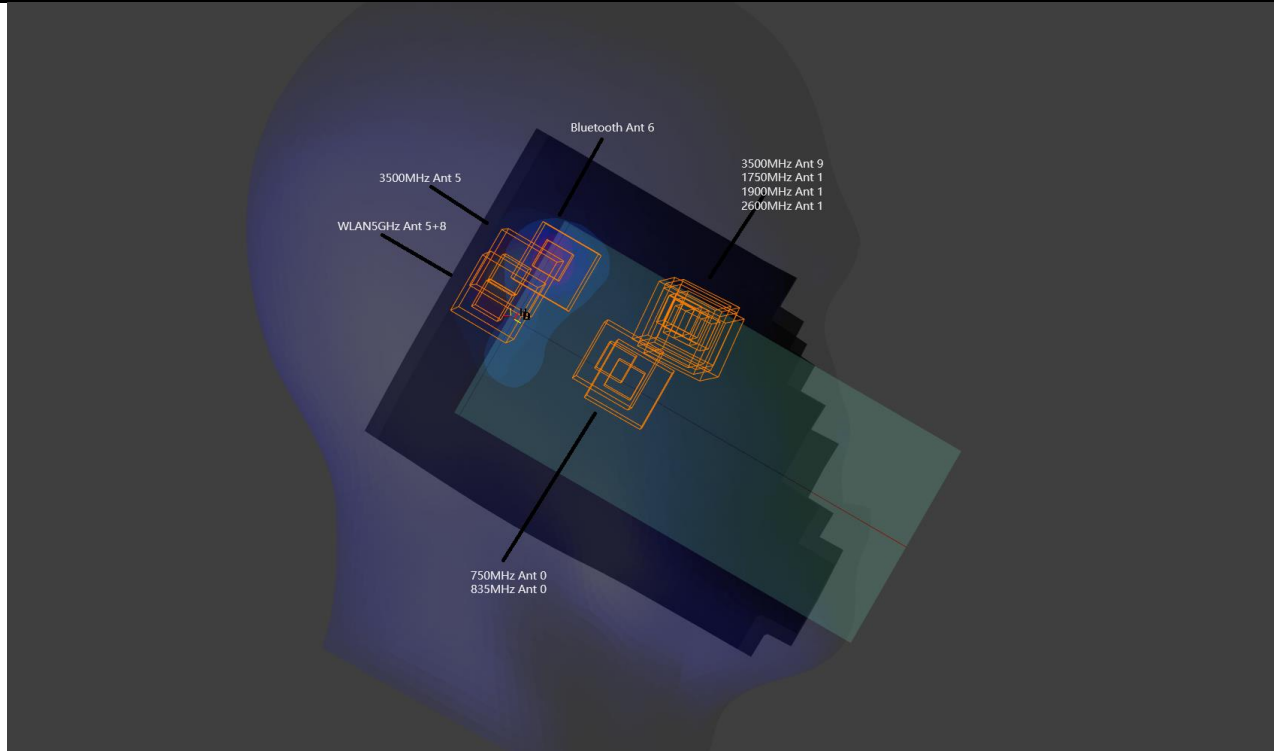
## 17.6 SPLSR Evaluation and Analysis

### General Note:

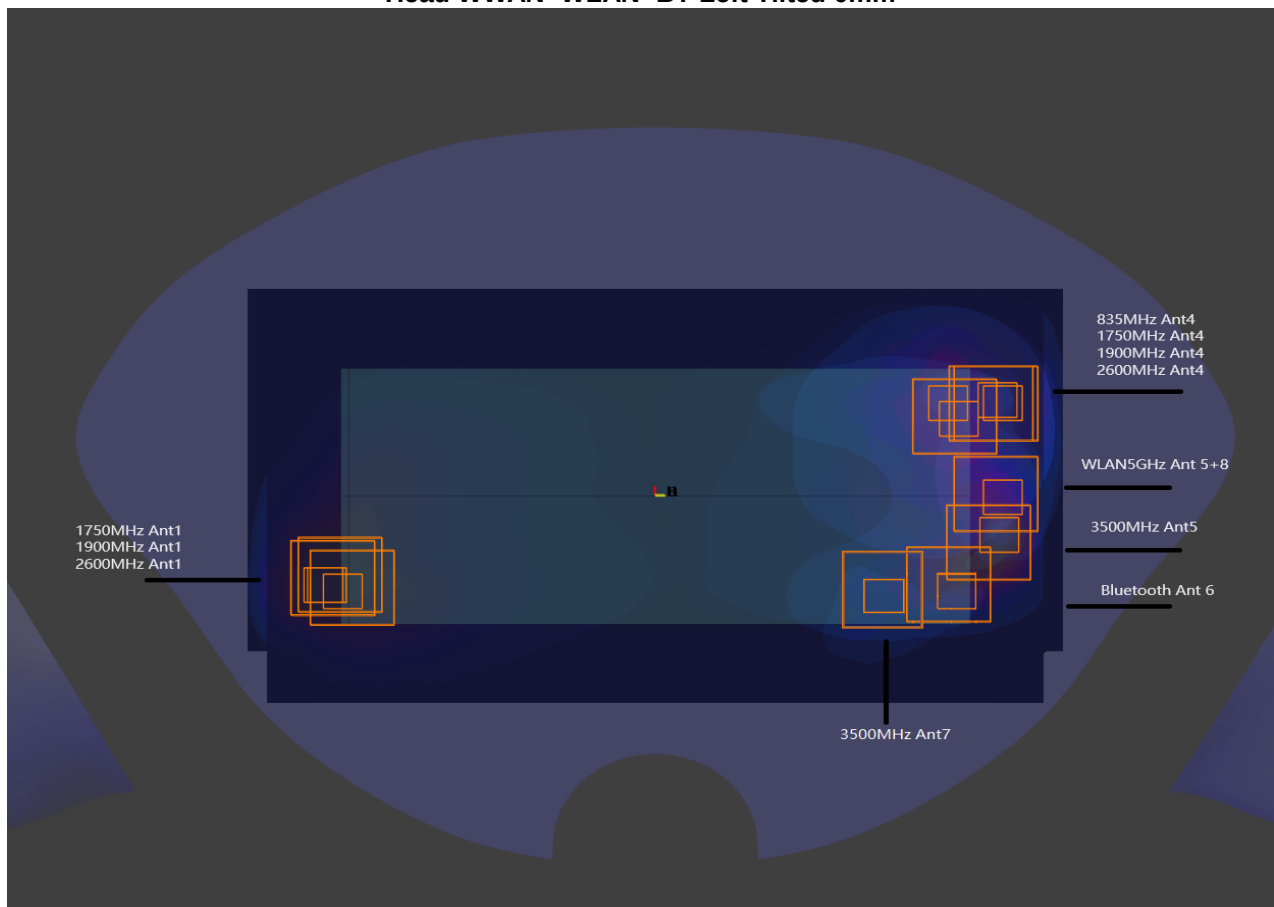
1. When standalone SAR is measured for both antennas in the pair, the peak location separation distance is computed by the square root of  $[(x_1-x_2)^2 + (y_1-y_2)^2 + (z_1-z_2)^2]$ , where  $(x_1, y_1, z_1)$  and  $(x_2, y_2, z_2)$  are the coordinates in the area scans or extrapolated peak SAR locations in the zoom scans, as appropriate.
2.  $SPLSR = (SAR_1 + SAR_2)1.5 / (\text{min. separation distance, mm})$ . If  $SPLSR \leq 0.04$  for 1g SAR, simultaneously transmission SAR measurement is not necessary.
3. Per April 2022 TCB Workshop Notes, WWAN ant5/BT Antenna 6/8 was summed algebraically with the AG1 for the purposes of hybrid SPLSR combination and they are located at the top of the device
4. Per April 2022 TCB Workshop, instead of doing a small volume scan over a co-located antenna pair, used summing the SAR values of the co-located pair and using that value in SPLSR calculation. In the calculation used the minimum distance between the spatially separated antenna and the closest antenna of the co-located antenna pair to be conservative.
5. The detail hotspot point for each transmitter in each exposure condition are showing as below figure and the minimum 3D distance for each sum combination is used for SPLSR analysis.
6. The axis peak locations refer to Section 17.7.



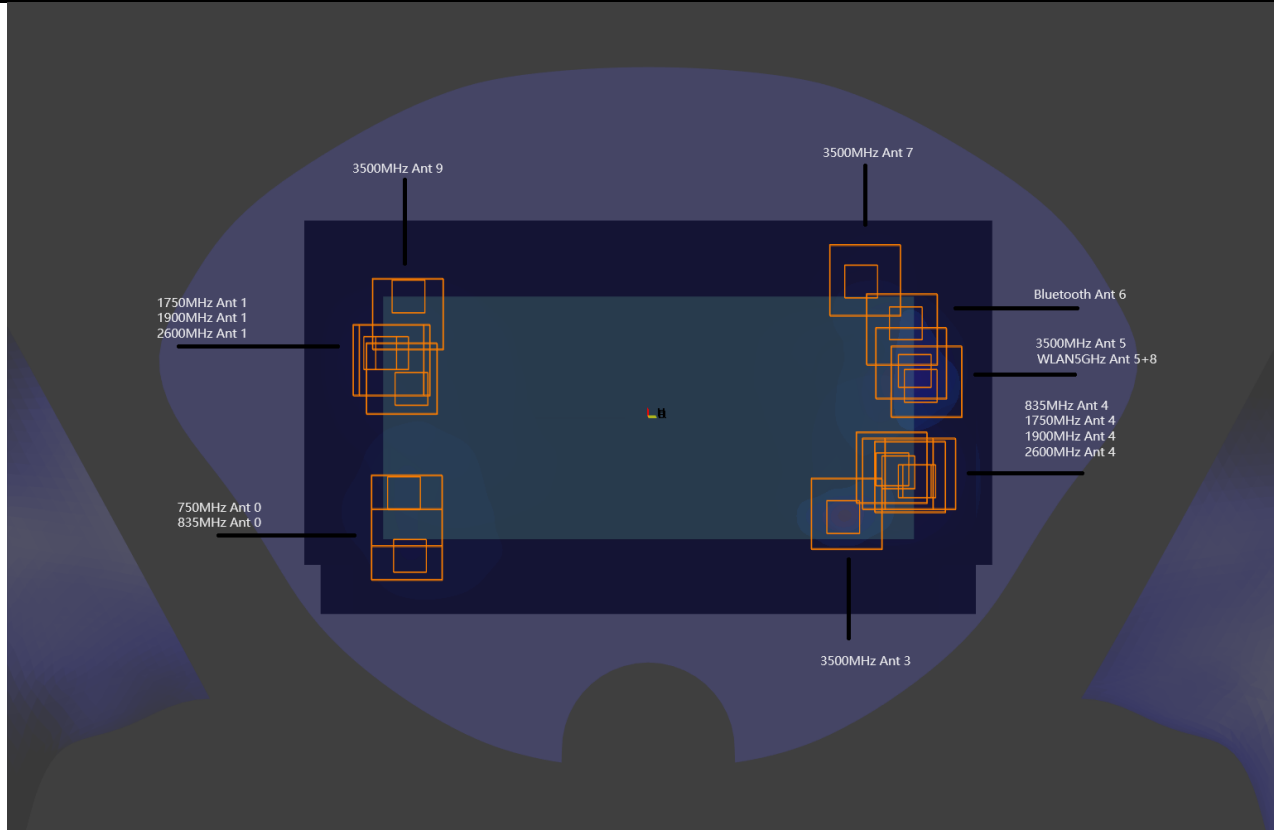
Head WWAN+WLAN+BT Left Cheek 0mm



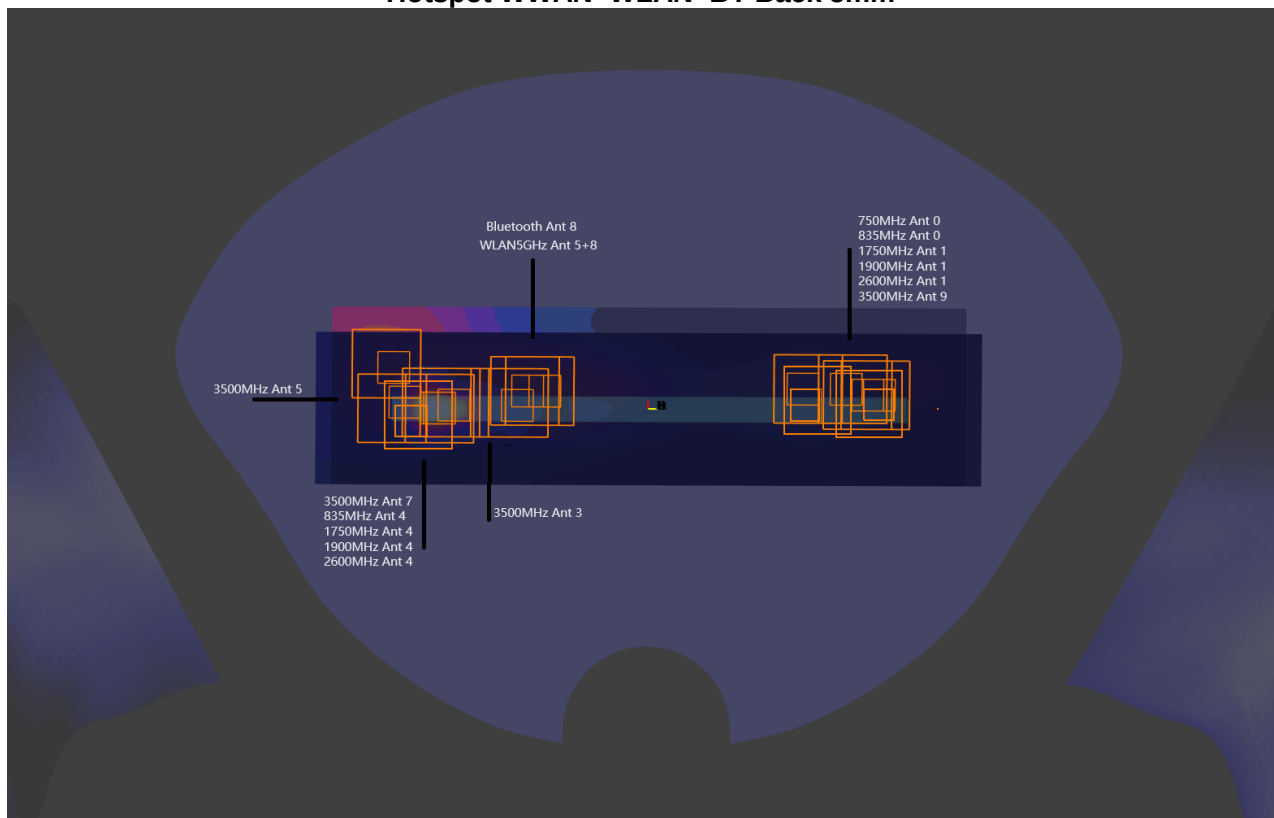
**Head WWAN+WLAN+BT Left Tilted 0mm**



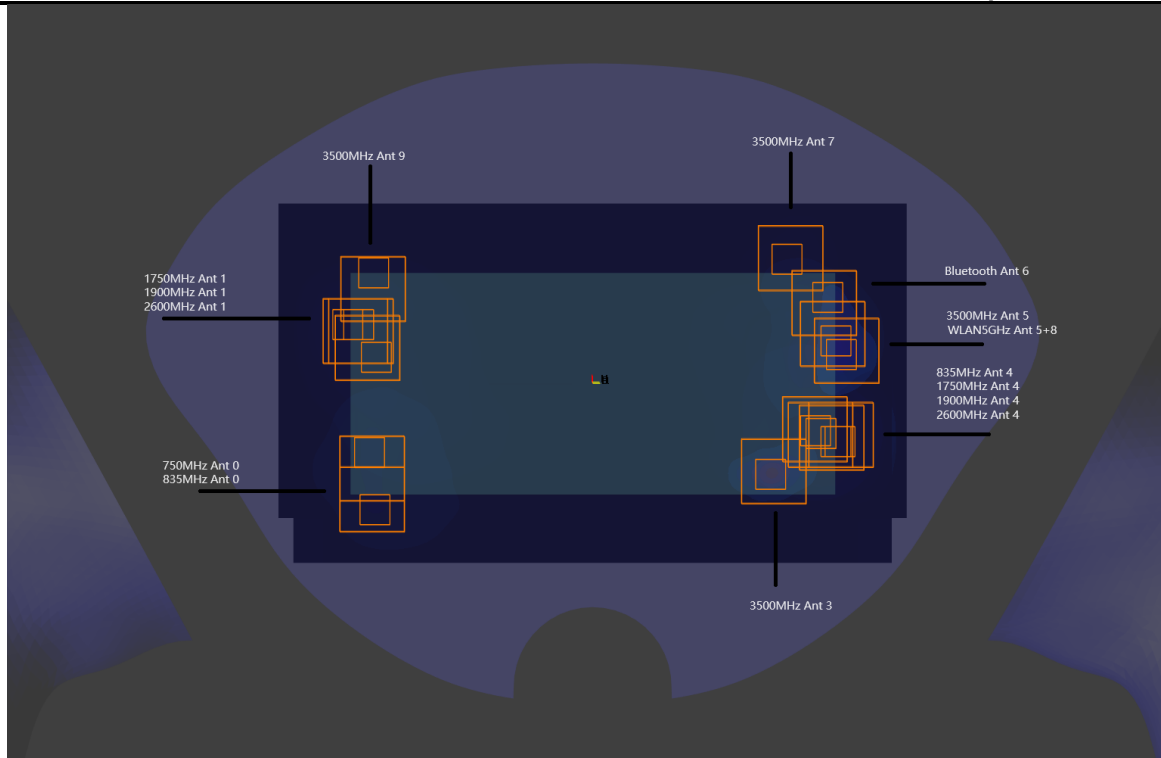
**Hotspot WWAN+WLAN+BT Front 5mm**



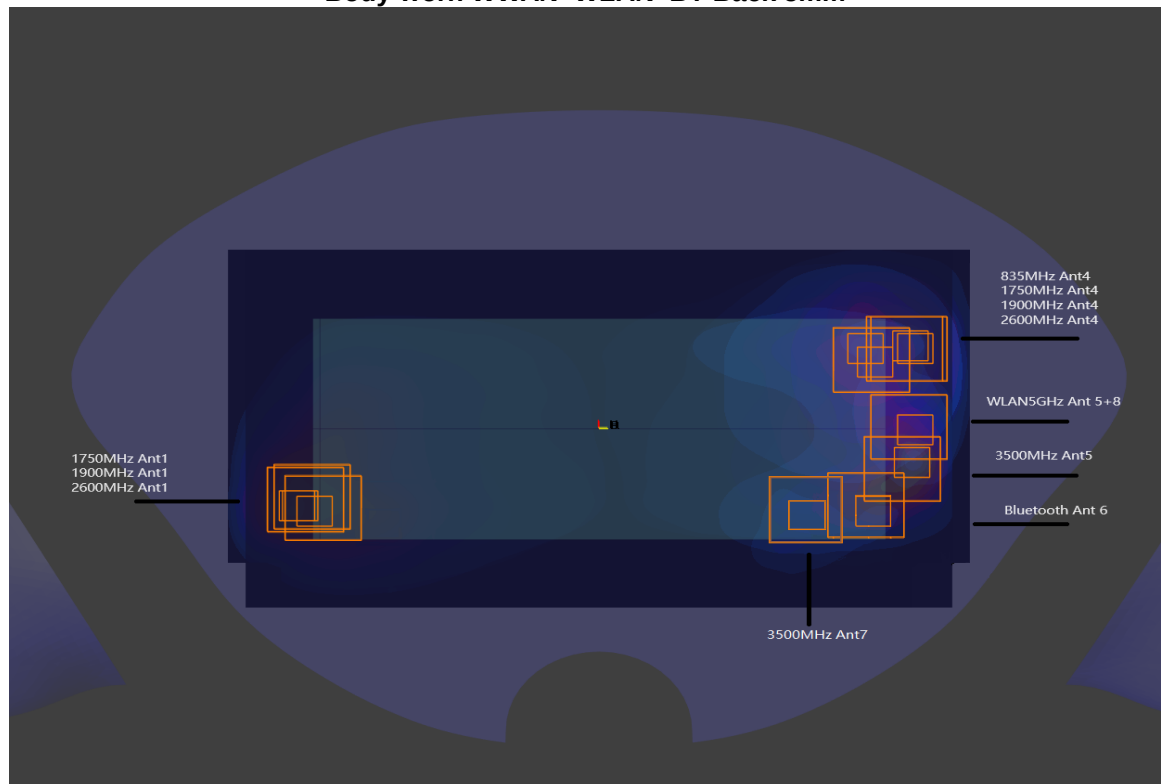
**Hotspot WWAN+WLAN+BT Back 5mm**



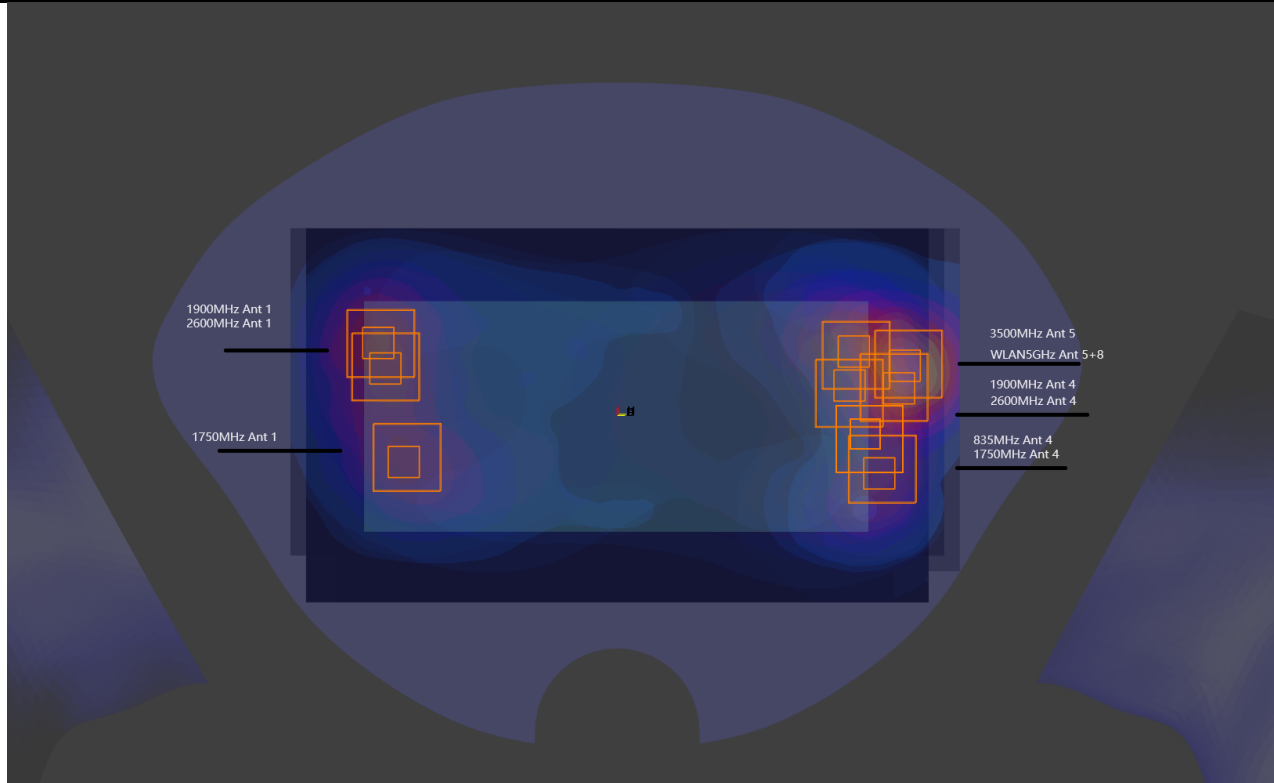
**Hotspot WWAN+WLAN+BT Right Side 5mm**



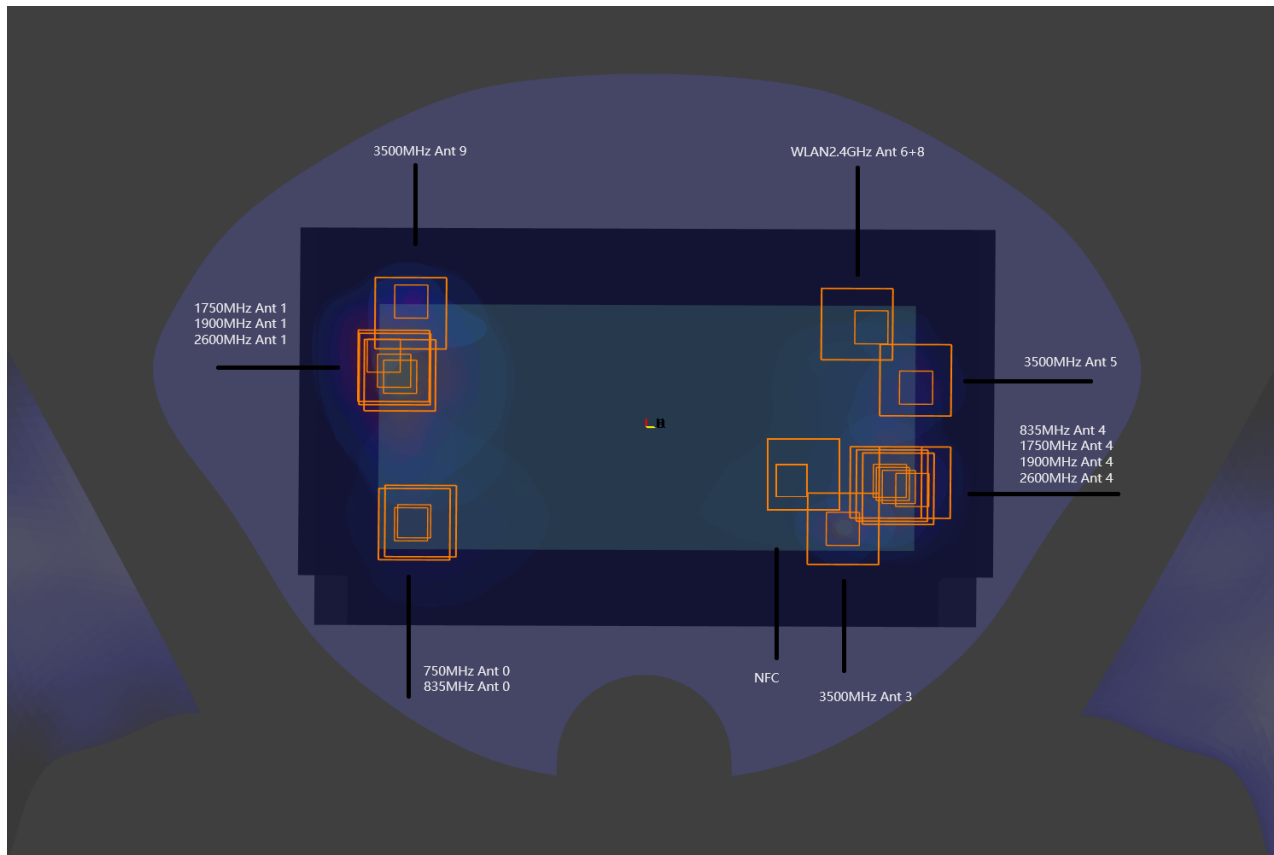
**Body-worn WWAN+WLAN+BT Back 5mm**



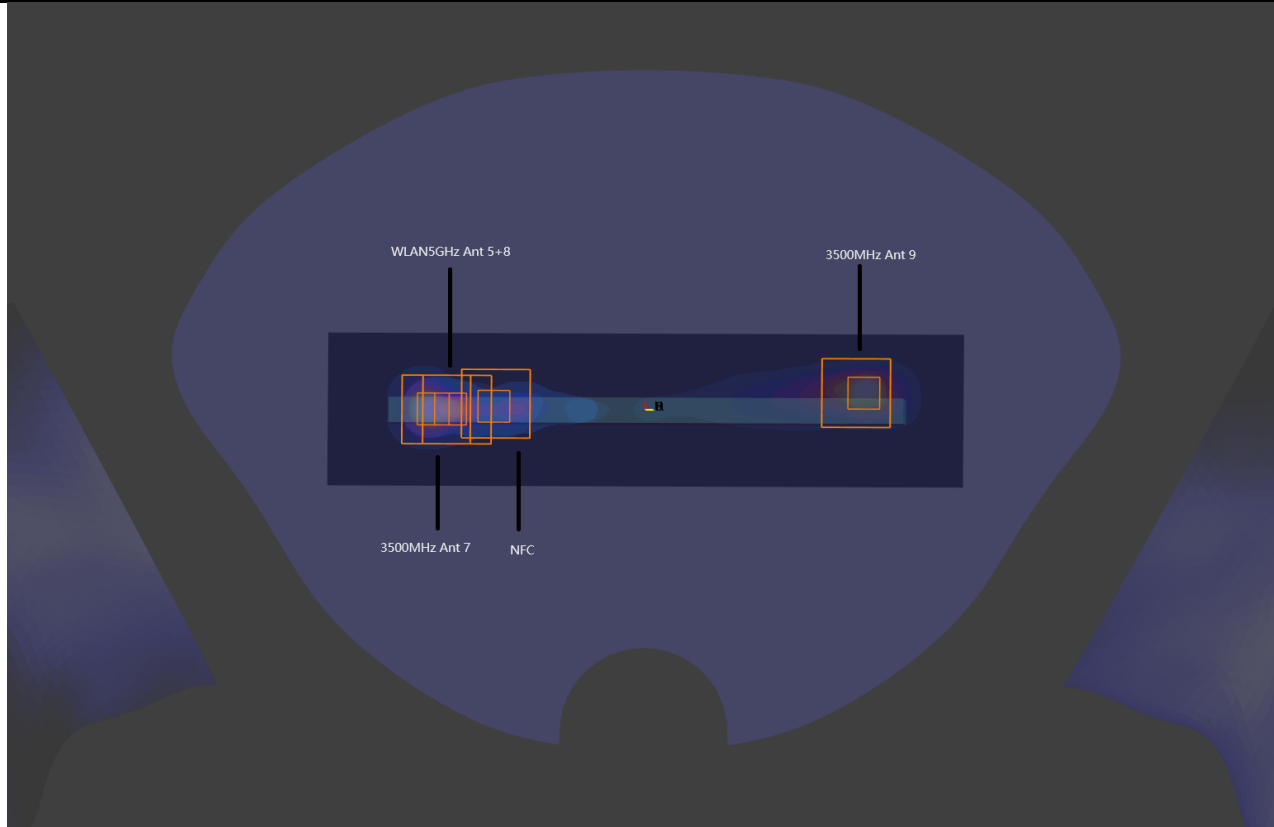
**Body-worn WWAN+WLAN+BT Front 5mm**



Body-worn WWAN+WLAN Back 18mm



Extremity WWAN+WLAN+NFC Back 0mm



Extremity WWAN+WLAN+NFC Right Side 0mm



## &lt;Head&gt;

| No.1 Band | Position   | SAR 1g<br>SAR<br>(W/kg) | Summed | Gap | SAR peak location (mm) |       |        | 3D<br>distance<br>(mm) | Summed<br>SAR<br>(W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
|-----------|------------|-------------------------|--------|-----|------------------------|-------|--------|------------------------|-------------------------|------------------|---------------------|
|           |            |                         |        |     | X                      | Y     | Z      |                        |                         |                  |                     |
| Ant 0     | Left Cheek | 0.270                   | 1.403  | 0mm | 58.9                   | 257.9 | -171.9 | 81.2                   | 1.67                    | 0.03             | Not required        |
| Ant 5     |            | 0.757                   |        | 0mm | 13.6                   | 325.3 | -171.1 |                        |                         |                  |                     |
| WLAN 5G   |            | 0.393                   |        | 0mm |                        |       |        |                        |                         |                  |                     |
| BT        |            | 0.253                   |        | 0mm |                        |       |        |                        |                         |                  |                     |
| Ant 0     | Left Cheek | 0.270                   | 1.403  | 0mm | 58.9                   | 257.9 | -171.9 | 67.3                   | 1.67                    | 0.03             | Not required        |
| Ant 5     |            | 0.757                   |        | 0mm |                        |       |        |                        |                         |                  |                     |
| WLAN 5G   |            | 0.393                   |        | 0mm | 49.6                   | 324.6 | -171.5 |                        |                         |                  |                     |
| BT        |            | 0.253                   |        | 0mm |                        |       |        |                        |                         |                  |                     |
| Ant 0     | Left Cheek | 0.270                   | 1.403  | 0mm | 58.9                   | 257.9 | -171.9 | 76.7                   | 1.67                    | 0.03             | Not required        |
| Ant 5     |            | 0.757                   |        | 0mm |                        |       |        |                        |                         |                  |                     |
| WLAN 5G   |            | 0.393                   |        | 0mm |                        |       |        |                        |                         |                  |                     |
| BT        |            | 0.253                   |        | 0mm | 26.1                   | 327.2 | -171.8 |                        |                         |                  |                     |
| No.2 Band | Position   | SAR 1g<br>SAR<br>(W/kg) | Summed | Gap | SAR peak location (mm) |       |        | 3D<br>distance<br>(mm) | Summed<br>SAR<br>(W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
|           |            |                         |        |     | X                      | Y     | Z      |                        |                         |                  |                     |
| Ant 0     | Left Cheek | 0.270                   | 1.536  | 0mm | 58.9                   | 257.9 | -171.9 | 83.1                   | 1.81                    | 0.03             | Not required        |
| Ant 7     |            | 0.890                   |        | 0mm | 34                     | 337.2 | -171.1 |                        |                         |                  |                     |
| WLAN 5G   |            | 0.393                   |        | 0mm |                        |       |        |                        |                         |                  |                     |
| BT Ant 6  |            | 0.253                   |        | 0mm |                        |       |        |                        |                         |                  |                     |
| Ant 0     | Left Cheek | 0.270                   | 1.536  | 0mm | 58.9                   | 257.9 | -171.9 | 67.3                   | 1.81                    | 0.04             | Not required        |
| Ant 7     |            | 0.890                   |        | 0mm |                        |       |        |                        |                         |                  |                     |
| WLAN 5G   |            | 0.393                   |        | 0mm | 49.6                   | 324.6 | -171.5 |                        |                         |                  |                     |
| BT Ant 6  |            | 0.253                   |        | 0mm |                        |       |        |                        |                         |                  |                     |
| Ant 0     | Left Cheek | 0.270                   | 1.536  | 0mm | 58.9                   | 257.9 | -171.9 | 76.7                   | 1.81                    | 0.03             | Not required        |
| Ant 7     |            | 0.890                   |        | 0mm |                        |       |        |                        |                         |                  |                     |
| WLAN 5G   |            | 0.393                   |        | 0mm |                        |       |        |                        |                         |                  |                     |
| BT Ant 6  |            | 0.253                   |        | 0mm | 26.1                   | 327.2 | -171.8 |                        |                         |                  |                     |
| No.3 Band | Position   | SAR 1g<br>SAR<br>(W/kg) | Summed | Gap | SAR peak location (mm) |       |        | 3D<br>distance<br>(mm) | Summed<br>SAR<br>(W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
|           |            |                         |        |     | X                      | Y     | Z      |                        |                         |                  |                     |
| Ant 1     | Left Cheek | 0.183                   | 1.536  | 0mm | 60.8                   | 258.5 | -171.3 | 83.1                   | 1.72                    | 0.03             | Not required        |
| Ant 7     |            | 0.890                   |        | 0mm | 34                     | 337.2 | -171.1 |                        |                         |                  |                     |
| WLAN 5G   |            | 0.393                   |        | 0mm |                        |       |        |                        |                         |                  |                     |
| BT Ant 6  |            | 0.253                   |        | 0mm |                        |       |        |                        |                         |                  |                     |
| Ant 1     | Left Cheek | 0.183                   | 1.536  | 0mm | 60.8                   | 258.5 | -171.3 | 67.0                   | 1.72                    | 0.03             | Not required        |
| Ant 7     |            | 0.890                   |        | 0mm |                        |       |        |                        |                         |                  |                     |
| WLAN 5G   |            | 0.393                   |        | 0mm | 49.6                   | 324.6 | -171.5 |                        |                         |                  |                     |
| BT Ant 6  |            | 0.253                   |        | 0mm |                        |       |        |                        |                         |                  |                     |
| Ant 1     | Left Cheek | 0.183                   | 1.536  | 0mm | 60.8                   | 258.5 | -171.3 | 77.0                   | 1.72                    | 0.03             | Not required        |
| Ant 7     |            | 0.890                   |        | 0mm |                        |       |        |                        |                         |                  |                     |
| WLAN 5G   |            | 0.393                   |        | 0mm |                        |       |        |                        |                         |                  |                     |
| BT Ant 6  |            | 0.253                   |        | 0mm | 26.1                   | 327.2 | -171.8 |                        |                         |                  |                     |
| No.4 Band | Position   | SAR 1g<br>SAR<br>(W/kg) | Summed | Gap | SAR peak location (mm) |       |        | 3D<br>distance<br>(mm) | Summed<br>SAR<br>(W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
|           |            |                         |        |     | X                      | Y     | Z      |                        |                         |                  |                     |
| Ant 9     | Left Cheek | 0.131                   | 1.536  | 0mm | 60.9                   | 263.1 | -171.7 | 78.8                   | 1.67                    | 0.03             | Not required        |
| Ant 7     |            | 0.890                   |        | 0mm | 34                     | 337.2 | -171.1 |                        |                         |                  |                     |
| WLAN 5G   |            | 0.393                   |        | 0mm |                        |       |        |                        |                         |                  |                     |
| BT Ant 6  |            | 0.253                   |        | 0mm |                        |       |        |                        |                         |                  |                     |
| Ant 9     | Left Cheek | 0.131                   | 1.536  | 0mm | 60.9                   | 263.1 | -171.7 | 62.5                   | 1.67                    | 0.03             | Not required        |
| Ant 7     |            | 0.890                   |        | 0mm |                        |       |        |                        |                         |                  |                     |
| WLAN 5G   |            | 0.393                   |        | 0mm | 49.6                   | 324.6 | -171.5 |                        |                         |                  |                     |
| BT Ant 6  |            | 0.253                   |        | 0mm |                        |       |        |                        |                         |                  |                     |
| Ant 9     | Left Cheek | 0.131                   | 1.536  | 0mm | 60.9                   | 263.1 | -171.7 | 72.9                   | 1.67                    | 0.03             | Not required        |
| Ant 7     |            | 0.890                   |        | 0mm |                        |       |        |                        |                         |                  |                     |



|          |  |       |  |     |      |       |        |  |  |  |  |
|----------|--|-------|--|-----|------|-------|--------|--|--|--|--|
| WLAN 5G  |  | 0.393 |  | 0mm |      |       |        |  |  |  |  |
| BT Ant 6 |  | 0.253 |  | 0mm | 26.1 | 327.2 | -171.8 |  |  |  |  |

| No.5 Band | Position    | SAR 1g<br>SAR<br>(W/kg) | Summed | Gap | SAR peak location (mm) |       |        | 3D<br>distance<br>(mm) | Summed<br>SAR<br>(W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
|-----------|-------------|-------------------------|--------|-----|------------------------|-------|--------|------------------------|-------------------------|------------------|---------------------|
|           |             |                         |        |     | X                      | Y     | Z      |                        |                         |                  |                     |
| Ant 0     | Left Tilted | 0.162                   | 0.162  | 0mm | 38.5                   | 273.3 | -173.3 | 58.5                   | 1.67                    | 0.04             | Not required        |
| Ant 5     |             | 0.892                   | 1.504  | 0mm | 12.8                   | 325.8 | -171   |                        |                         |                  |                     |
| WLAN 5G   |             | 0.381                   |        | 0mm |                        |       |        |                        |                         |                  |                     |
| BT Ant 6  |             | 0.231                   |        | 0mm |                        |       |        |                        |                         |                  |                     |
| Ant 0     | Left Tilted | 0.162                   | 0.162  | 0mm | 38.5                   | 273.3 | -173.3 | 65.8                   | 1.67                    | 0.03             | Not required        |
| Ant 5     |             | 0.892                   | 1.504  | 0mm |                        |       |        |                        |                         |                  |                     |
| WLAN 5G   |             | 0.381                   |        | 0mm | -1                     | 325.8 | -169.2 |                        |                         |                  |                     |
| BT Ant 6  |             | 0.231                   |        | 0mm |                        |       |        |                        |                         |                  |                     |
| Ant 0     | Left Tilted | 0.162                   | 0.162  | 0mm | 38.5                   | 273.3 | -173.3 | 60.3                   | 1.67                    | 0.04             | Not required        |
| Ant 5     |             | 0.892                   | 1.504  | 0mm |                        |       |        |                        |                         |                  |                     |
| WLAN 5G   |             | 0.381                   |        | 0mm |                        |       |        |                        |                         |                  |                     |
| BT Ant 6  |             | 0.231                   |        | 0mm | 20.1                   | 330.7 | -171.3 |                        |                         |                  |                     |
| No.6 Band | Position    | SAR 1g<br>SAR<br>(W/kg) | Summed | Gap | SAR peak location (mm) |       |        | 3D<br>distance<br>(mm) | Summed<br>SAR<br>(W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
|           |             |                         |        |     | X                      | Y     | Z      |                        |                         |                  |                     |
| Ant 1     | Left Tilted | 0.120                   | 0.120  | 0mm | 12.8                   | 268.9 | -170.8 | 55.3                   | 1.62                    | 0.04             | Not required        |
| Ant 5     |             | 0.892                   | 1.504  | 0mm | 3.4                    | 323.4 | -170   |                        |                         |                  |                     |
| WLAN 5G   |             | 0.381                   |        | 0mm |                        |       |        |                        |                         |                  |                     |
| BT Ant 6  |             | 0.231                   |        | 0mm |                        |       |        |                        |                         |                  |                     |
| Ant 1     | Left Tilted | 0.120                   | 0.120  | 0mm | 12.8                   | 268.9 | -170.8 | 58.6                   | 1.62                    | 0.04             | Not required        |
| Ant 5     |             | 0.892                   | 1.504  | 0mm |                        |       |        |                        |                         |                  |                     |
| WLAN 5G   |             | 0.381                   |        | 0mm | -1                     | 325.8 | -169.2 |                        |                         |                  |                     |
| BT Ant 6  |             | 0.231                   |        | 0mm |                        |       |        |                        |                         |                  |                     |
| Ant 1     | Left Tilted | 0.120                   | 0.120  | 0mm | 12.8                   | 268.9 | -170.8 | 62.2                   | 1.62                    | 0.03             | Not required        |
| Ant 5     |             | 0.892                   | 1.504  | 0mm |                        |       |        |                        |                         |                  |                     |
| WLAN 5G   |             | 0.381                   |        | 0mm |                        |       |        |                        |                         |                  |                     |
| BT Ant 6  |             | 0.231                   |        | 0mm | 20.1                   | 330.7 | -171.3 |                        |                         |                  |                     |
| No.7 Band | Position    | SAR 1g<br>SAR<br>(W/kg) | Summed | Gap | SAR peak location (mm) |       |        | 3D<br>distance<br>(mm) | Summed<br>SAR<br>(W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
|           |             |                         |        |     | X                      | Y     | Z      |                        |                         |                  |                     |
| Ant 9     | Left Tilted | 0.188                   | 0.188  | 0mm | 24.5                   | 270.4 | -171.6 | 56.6                   | 1.69                    | 0.04             | Not required        |
| Ant 5     |             | 0.892                   | 1.504  | 0mm | 12.8                   | 325.8 | -171   |                        |                         |                  |                     |
| WLAN 5G   |             | 0.381                   |        | 0mm |                        |       |        |                        |                         |                  |                     |
| BT Ant 6  |             | 0.231                   |        | 0mm |                        |       |        |                        |                         |                  |                     |
| Ant 9     | Left Tilted | 0.188                   | 0.188  | 0mm | 24.5                   | 270.4 | -171.6 | 61.0                   | 1.69                    | 0.04             | Not required        |
| Ant 5     |             | 0.892                   | 1.504  | 0mm |                        |       |        |                        |                         |                  |                     |
| WLAN 5G   |             | 0.381                   |        | 0mm | -1                     | 325.8 | -169.2 |                        |                         |                  |                     |
| BT Ant 6  |             | 0.231                   |        | 0mm |                        |       |        |                        |                         |                  |                     |
| Ant 9     | Left Tilted | 0.188                   | 0.188  | 0mm | 24.5                   | 270.4 | -171.6 | 60.5                   | 1.69                    | 0.04             | Not required        |
| Ant 5     |             | 0.892                   | 1.504  | 0mm |                        |       |        |                        |                         |                  |                     |
| WLAN 5G   |             | 0.381                   |        | 0mm |                        |       |        |                        |                         |                  |                     |
| BT Ant 6  |             | 0.231                   |        | 0mm | 20.1                   | 330.7 | -171.3 |                        |                         |                  |                     |



## &lt;Hotspot&gt;

| No.1 Band | Position | SAR 1g<br>SAR<br>(W/kg) | Summed | Gap | SAR peak location (mm) |       |      | 3D<br>distance<br>(mm) | Summed<br>SAR<br>(W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
|-----------|----------|-------------------------|--------|-----|------------------------|-------|------|------------------------|-------------------------|------------------|---------------------|
|           |          |                         |        |     | X                      | Y     | Z    |                        |                         |                  |                     |
| Ant 1     | Front    | 1.041                   | 1.041  | 5mm | 3.1                    | -78.4 | -204 | 162.4                  | 1.73                    | 0.01             | Not required        |
| Ant 4     |          | 0.250                   | 0.688  | 5mm | -52.5                  | 74.2  | -204 |                        |                         |                  |                     |
| WLAN 5G   |          | 0.299                   |        | 5mm |                        |       |      |                        |                         |                  |                     |
| BT Ant 6  |          | 0.139                   |        | 5mm |                        |       |      |                        |                         |                  |                     |
| Ant 1     | Front    | 1.041                   | 1.041  | 5mm | 3.1                    | -78.4 | -204 | 169.7                  | 1.73                    | 0.01             | Not required        |
| Ant 4     |          | 0.250                   | 0.688  | 5mm |                        |       |      |                        |                         |                  |                     |
| WLAN 5G   |          | 0.299                   |        | 5mm | -25                    | 89    | -204 |                        |                         |                  |                     |
| BT Ant 6  |          | 0.139                   |        | 5mm |                        |       |      |                        |                         |                  |                     |
| Ant 1     | Front    | 1.041                   | 1.041  | 5mm | 3.1                    | -78.4 | -204 | 156.4                  | 1.73                    | 0.01             | Not required        |
| Ant 4     |          | 0.250                   | 0.688  | 5mm |                        |       |      |                        |                         |                  |                     |
| WLAN 5G   |          | 0.299                   |        | 5mm |                        |       |      |                        |                         |                  |                     |
| BT Ant 6  |          | 0.139                   |        | 5mm | 3                      | 78    | -204 |                        |                         |                  |                     |
| No.2 Band | Position | SAR 1g<br>SAR<br>(W/kg) | Summed | Gap | SAR peak location (mm) |       |      | 3D<br>distance<br>(mm) | Summed<br>SAR<br>(W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
|           |          |                         |        |     | X                      | Y     | Z    |                        |                         |                  |                     |
| Ant 1     | Front    | 1.041                   | 1.041  | 5mm | 3.1                    | -78.4 | -204 | 168.4                  | 1.67                    | 0.01             | Not required        |
| Ant 5     |          | 0.188                   | 0.626  | 5mm | -15                    | 89    | -204 |                        |                         |                  |                     |
| WLAN 5G   |          | 0.299                   |        | 5mm |                        |       |      |                        |                         |                  |                     |
| BT Ant 6  |          | 0.139                   |        | 5mm |                        |       |      |                        |                         |                  |                     |
| Ant 1     | Front    | 1.041                   | 1.041  | 5mm | 3.1                    | -78.4 | -204 | 169.7                  | 1.67                    | 0.01             | Not required        |
| Ant 5     |          | 0.188                   | 0.626  | 5mm |                        |       |      |                        |                         |                  |                     |
| WLAN 5G   |          | 0.299                   |        | 5mm | -25                    | 89    | -204 |                        |                         |                  |                     |
| BT Ant 6  |          | 0.139                   |        | 5mm |                        |       |      |                        |                         |                  |                     |
| Ant 1     | Front    | 1.041                   | 1.041  | 5mm | 3.1                    | -78.4 | -204 | 156.4                  | 1.67                    | 0.01             | Not required        |
| Ant 5     |          | 0.188                   | 0.626  | 5mm |                        |       |      |                        |                         |                  |                     |
| WLAN 5G   |          | 0.299                   |        | 5mm |                        |       |      |                        |                         |                  |                     |
| BT Ant 6  |          | 0.139                   |        | 5mm | 3                      | 78    | -204 |                        |                         |                  |                     |
| No.3 Band | Position | SAR 1g<br>SAR<br>(W/kg) | Summed | Gap | SAR peak location (mm) |       |      | 3D<br>distance<br>(mm) | Summed<br>SAR<br>(W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
|           |          |                         |        |     | X                      | Y     | Z    |                        |                         |                  |                     |
| Ant 1     | Front    | 1.041                   | 1.041  | 5mm | 3.1                    | -78.4 | -204 | 149.6                  | 1.68                    | 0.01             | Not required        |
| Ant 7     |          | 0.196                   | 0.634  | 5mm | 10                     | 71    | -204 |                        |                         |                  |                     |
| WLAN 5G   |          | 0.299                   |        | 5mm |                        |       |      |                        |                         |                  |                     |
| BT Ant 6  |          | 0.139                   |        | 5mm |                        |       |      |                        |                         |                  |                     |
| Ant 1     | Front    | 1.041                   | 1.041  | 5mm | 3.1                    | -78.4 | -204 | 169.7                  | 1.68                    | 0.01             | Not required        |
| Ant 7     |          | 0.196                   | 0.634  | 5mm |                        |       |      |                        |                         |                  |                     |
| WLAN 5G   |          | 0.299                   |        | 5mm | -25                    | 89    | -204 |                        |                         |                  |                     |
| BT Ant 6  |          | 0.139                   |        | 5mm |                        |       |      |                        |                         |                  |                     |
| Ant 1     | Front    | 1.041                   | 1.041  | 5mm | 3.1                    | -78.4 | -204 | 156.4                  | 1.68                    | 0.01             | Not required        |
| Ant 7     |          | 0.196                   | 0.634  | 5mm |                        |       |      |                        |                         |                  |                     |
| WLAN 5G   |          | 0.299                   |        | 5mm |                        |       |      |                        |                         |                  |                     |
| BT Ant 6  |          | 0.139                   |        | 5mm | 3                      | 78    | -204 |                        |                         |                  |                     |



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| No.4 Band | Position | SAR 1g<br>SAR<br>(W/kg) | Summed | Gap | SAR peak location (mm) |     |      | 3D<br>distance<br>(mm) | Summed<br>SAR<br>(W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
|-----------|----------|-------------------------|--------|-----|------------------------|-----|------|------------------------|-------------------------|------------------|---------------------|
|           |          |                         |        |     | X                      | Y   | Z    |                        |                         |                  |                     |
| Ant 0     | Back     | 1.296                   | 1.446  | 5mm | -5                     | -73 | -204 | 133.4                  | 2.74                    | 0.03             | Not required        |
| Ant 3     |          | 0.627                   |        | 5mm | 5                      | 60  | -204 |                        |                         |                  |                     |
| WLAN 5G   |          | 0.533                   |        | 5mm |                        |     |      |                        |                         |                  |                     |
| BT Ant 6  |          | 0.286                   |        | 5mm |                        |     |      |                        |                         |                  |                     |
| Ant 0     | Back     | 1.296                   | 1.446  | 5mm | -5                     | -73 | -204 | 158.9                  | 2.74                    | 0.03             | Not required        |
| Ant 3     |          | 0.627                   |        | 5mm |                        |     |      |                        |                         |                  |                     |
| WLAN 5G   |          | 0.533                   |        | 5mm | -35                    | 83  | -204 |                        |                         |                  |                     |
| BT Ant 6  |          | 0.286                   |        | 5mm |                        |     |      |                        |                         |                  |                     |
| Ant 0     | Back     | 1.296                   | 1.446  | 5mm | -5                     | -73 | -204 | 159.7                  | 2.74                    | 0.03             | Not required        |
| Ant 3     |          | 0.627                   |        | 5mm |                        |     |      |                        |                         |                  |                     |
| WLAN 5G   |          | 0.533                   |        | 5mm |                        |     |      |                        |                         |                  |                     |
| BT Ant 6  |          | 0.286                   |        | 5mm | -54                    | 79  | -204 |                        |                         |                  |                     |
| No.5 Band | Position | SAR 1g<br>SAR<br>(W/kg) | Summed | Gap | SAR peak location (mm) |     |      | 3D<br>distance<br>(mm) | Summed<br>SAR<br>(W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
|           |          |                         |        |     | X                      | Y   | Z    |                        |                         |                  |                     |
| Ant 0     | Back     | 1.296                   | 1.449  | 5mm | -5                     | -73 | -204 | 146.1                  | 2.75                    | 0.03             | Not required        |
| Ant 4     |          | 0.630                   |        | 5mm | -10.5                  | 73  | -204 |                        |                         |                  |                     |
| WLAN 5G   |          | 0.533                   |        | 5mm |                        |     |      |                        |                         |                  |                     |
| BT Ant 6  |          | 0.286                   |        | 5mm |                        |     |      |                        |                         |                  |                     |
| Ant 0     | Back     | 1.296                   | 1.449  | 5mm | -5                     | -73 | -204 | 158.9                  | 2.75                    | 0.03             | Not required        |
| Ant 4     |          | 0.630                   |        | 5mm |                        |     |      |                        |                         |                  |                     |
| WLAN 5G   |          | 0.533                   |        | 5mm | -35                    | 83  | -204 |                        |                         |                  |                     |
| BT Ant 6  |          | 0.286                   |        | 5mm |                        |     |      |                        |                         |                  |                     |
| Ant 0     | Back     | 1.296                   | 1.449  | 5mm | -5                     | -73 | -204 | 159.7                  | 2.75                    | 0.03             | Not required        |
| Ant 4     |          | 0.630                   |        | 5mm |                        |     |      |                        |                         |                  |                     |
| WLAN 5G   |          | 0.533                   |        | 5mm |                        |     |      |                        |                         |                  |                     |
| BT Ant 6  |          | 0.286                   |        | 5mm | -54                    | 79  | -204 |                        |                         |                  |                     |
| No.6 Band | Position | SAR 1g<br>SAR<br>(W/kg) | Summed | Gap | SAR peak location (mm) |     |      | 3D<br>distance<br>(mm) | Summed<br>SAR<br>(W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
|           |          |                         |        |     | X                      | Y   | Z    |                        |                         |                  |                     |
| Ant 0     | Back     | 1.296                   | 1.465  | 5mm | -5                     | -73 | -204 | 156.5                  | 2.76                    | 0.03             | Not required        |
| Ant 5     |          | 0.646                   |        | 5mm | -38                    | 80  | -204 |                        |                         |                  |                     |
| WLAN 5G   |          | 0.533                   |        | 5mm |                        |     |      |                        |                         |                  |                     |
| BT Ant 6  |          | 0.286                   |        | 5mm |                        |     |      |                        |                         |                  |                     |
| Ant 0     | Back     | 1.296                   | 1.465  | 5mm | -5                     | -73 | -204 | 158.9                  | 2.76                    | 0.03             | Not required        |
| Ant 5     |          | 0.646                   |        | 5mm |                        |     |      |                        |                         |                  |                     |
| WLAN 5G   |          | 0.533                   |        | 5mm | -35                    | 83  | -204 |                        |                         |                  |                     |
| BT Ant 6  |          | 0.286                   |        | 5mm |                        |     |      |                        |                         |                  |                     |
| Ant 0     | Back     | 1.296                   | 1.465  | 5mm | -5                     | -73 | -204 | 159.7                  | 2.76                    | 0.03             | Not required        |
| Ant 5     |          | 0.646                   |        | 5mm |                        |     |      |                        |                         |                  |                     |
| WLAN 5G   |          | 0.533                   |        | 5mm |                        |     |      |                        |                         |                  |                     |
| BT Ant 6  |          | 0.286                   |        | 5mm | -54                    | 79  | -204 |                        |                         |                  |                     |
| No.7 Band | Position | SAR 1g<br>SAR<br>(W/kg) | Summed | Gap | SAR peak location (mm) |     |      | 3D<br>distance<br>(mm) | Summed<br>SAR<br>(W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
|           |          |                         |        |     | X                      | Y   | Z    |                        |                         |                  |                     |
| Ant 0     | Back     | 1.296                   | 1.266  | 5mm | -5                     | -73 | -204 | 147.7                  | 2.56                    | 0.03             | Not required        |
| Ant 7     |          | 0.447                   |        | 5mm | -65                    | 62  | -204 |                        |                         |                  |                     |
| WLAN 5G   |          | 0.533                   |        | 5mm |                        |     |      |                        |                         |                  |                     |
| BT Ant 6  |          | 0.286                   |        | 5mm |                        |     |      |                        |                         |                  |                     |
| Ant 0     | Back     | 1.296                   | 1.266  | 5mm | -5                     | -73 | -204 | 158.9                  | 2.56                    | 0.03             | Not required        |
| Ant 7     |          | 0.447                   |        | 5mm |                        |     |      |                        |                         |                  |                     |
| WLAN 5G   |          | 0.533                   |        | 5mm | -35                    | 83  | -204 |                        |                         |                  |                     |
| BT Ant 6  |          | 0.286                   |        | 5mm |                        |     |      |                        |                         |                  |                     |
| Ant 0     | Back     | 1.296                   | 1.266  | 5mm | -5                     | -73 | -204 | 159.7                  | 2.56                    | 0.03             | Not required        |
| Ant 7     |          | 0.447                   |        | 5mm |                        |     |      |                        |                         |                  |                     |
| WLAN 5G   |          | 0.533                   |        | 5mm |                        |     |      |                        |                         |                  |                     |
| BT Ant 6  |          | 0.286                   |        | 5mm | -54                    | 79  | -204 |                        |                         |                  |                     |



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| No.8 Band  | Position | SAR 1g<br>SAR<br>(W/kg) | Summed | Gap | SAR peak location (mm) |       |      | 3D<br>distance<br>(mm) | Summed<br>SAR<br>(W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
|------------|----------|-------------------------|--------|-----|------------------------|-------|------|------------------------|-------------------------|------------------|---------------------|
|            |          |                         |        |     | X                      | Y     | Z    |                        |                         |                  |                     |
| Ant 1      | Back     | 1.247                   | 1.446  | 5mm | -34.5                  | -70.6 | -204 | 136.4                  | 2.69                    | 0.03             | Not required        |
| Ant 3      |          | 0.627                   |        | 5mm | 5                      | 60    | -204 |                        |                         |                  |                     |
| WLAN 5G    |          | 0.533                   |        | 5mm |                        |       |      |                        |                         |                  |                     |
| BT Ant 6   |          | 0.286                   |        | 5mm |                        |       |      |                        |                         |                  |                     |
| Ant 1      | Back     | 1.247                   | 1.446  | 5mm | -34.5                  | -70.6 | -204 | 153.6                  | 2.69                    | 0.03             | Not required        |
| Ant 3      |          | 0.627                   |        | 5mm |                        |       |      |                        |                         |                  |                     |
| WLAN 5G    |          | 0.533                   |        | 5mm | -35                    | 83    | -204 |                        |                         |                  |                     |
| BT Ant 6   |          | 0.286                   |        | 5mm |                        |       |      |                        |                         |                  |                     |
| Ant 1      | Back     | 1.247                   | 1.446  | 5mm | -34.5                  | -70.6 | -204 | 150.9                  | 2.69                    | 0.03             | Not required        |
| Ant 3      |          | 0.627                   |        | 5mm |                        |       |      |                        |                         |                  |                     |
| WLAN 5G    |          | 0.533                   |        | 5mm |                        |       |      |                        |                         |                  |                     |
| BT Ant 6   |          | 0.286                   |        | 5mm | -54                    | 79    | -204 |                        |                         |                  |                     |
| No.9 Band  | Position | SAR 1g<br>SAR<br>(W/kg) | Summed | Gap | SAR peak location (mm) |       |      | 3D<br>distance<br>(mm) | Summed<br>SAR<br>(W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
|            |          |                         |        |     | X                      | Y     | Z    |                        |                         |                  |                     |
| Ant 1      | Back     | 1.247                   | 1.449  | 5mm | -34.5                  | -70.6 | -204 | 145.6                  | 2.70                    | 0.03             | Not required        |
| Ant 4      |          | 0.630                   |        | 5mm | -10.5                  | 73    | -204 |                        |                         |                  |                     |
| WLAN 5G    |          | 0.533                   |        | 5mm |                        |       |      |                        |                         |                  |                     |
| BT Ant 6   |          | 0.286                   |        | 5mm |                        |       |      |                        |                         |                  |                     |
| Ant 1      | Back     | 1.247                   | 1.449  | 5mm | -34.5                  | -70.6 | -204 | 153.6                  | 2.70                    | 0.03             | Not required        |
| Ant 4      |          | 0.630                   |        | 5mm |                        |       |      |                        |                         |                  |                     |
| WLAN 5G    |          | 0.533                   |        | 5mm | -35                    | 83    | -204 |                        |                         |                  |                     |
| BT Ant 6   |          | 0.286                   |        | 5mm |                        |       |      |                        |                         |                  |                     |
| Ant 1      | Back     | 1.247                   | 1.449  | 5mm | -34.5                  | -70.6 | -204 | 150.9                  | 2.70                    | 0.03             | Not required        |
| Ant 4      |          | 0.630                   |        | 5mm |                        |       |      |                        |                         |                  |                     |
| WLAN 5G    |          | 0.533                   |        | 5mm |                        |       |      |                        |                         |                  |                     |
| BT Ant 6   |          | 0.286                   |        | 5mm | -54                    | 79    | -204 |                        |                         |                  |                     |
| No.10 Band | Position | SAR 1g<br>SAR<br>(W/kg) | Summed | Gap | SAR peak location (mm) |       |      | 3D<br>distance<br>(mm) | Summed<br>SAR<br>(W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
|            |          |                         |        |     | X                      | Y     | Z    |                        |                         |                  |                     |
| Ant 1      | Back     | 1.247                   | 1.465  | 5mm | -34.5                  | -70.6 | -204 | 150.6                  | 2.71                    | 0.03             | Not required        |
| Ant 5      |          | 0.646                   |        | 5mm | -38                    | 80    | -204 |                        |                         |                  |                     |
| WLAN 5G    |          | 0.533                   |        | 5mm |                        |       |      |                        |                         |                  |                     |
| BT Ant 6   |          | 0.286                   |        | 5mm |                        |       |      |                        |                         |                  |                     |
| Ant 1      | Back     | 1.247                   | 1.465  | 5mm | -34.5                  | -70.6 | -204 | 153.6                  | 2.71                    | 0.03             | Not required        |
| Ant 5      |          | 0.646                   |        | 5mm |                        |       |      |                        |                         |                  |                     |
| WLAN 5G    |          | 0.533                   |        | 5mm | -35                    | 83    | -204 |                        |                         |                  |                     |
| BT Ant 6   |          | 0.286                   |        | 5mm |                        |       |      |                        |                         |                  |                     |
| Ant 1      | Back     | 1.247                   | 1.465  | 5mm | -34.5                  | -70.6 | -204 | 150.9                  | 2.71                    | 0.03             | Not required        |
| Ant 5      |          | 0.646                   |        | 5mm |                        |       |      |                        |                         |                  |                     |
| WLAN 5G    |          | 0.533                   |        | 5mm |                        |       |      |                        |                         |                  |                     |
| BT Ant 6   |          | 0.286                   |        | 5mm | -54                    | 79    | -204 |                        |                         |                  |                     |
| No.11 Band | Position | SAR 1g<br>SAR<br>(W/kg) | Summed | Gap | SAR peak location (mm) |       |      | 3D<br>distance<br>(mm) | Summed<br>SAR<br>(W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
|            |          |                         |        |     | X                      | Y     | Z    |                        |                         |                  |                     |
| Ant 1      | Back     | 1.247                   | 1.266  | 5mm | -34.5                  | -70.6 | -204 | 136.1                  | 2.51                    | 0.03             | Not required        |
| Ant 7      |          | 0.447                   |        | 5mm | -65                    | 62    | -204 |                        |                         |                  |                     |
| WLAN 5G    |          | 0.533                   |        | 5mm |                        |       |      |                        |                         |                  |                     |
| BT Ant 6   |          | 0.286                   |        | 5mm |                        |       |      |                        |                         |                  |                     |
| Ant 1      | Back     | 1.247                   | 1.266  | 5mm | -34.5                  | -70.6 | -204 | 153.6                  | 2.51                    | 0.03             | Not required        |
| Ant 7      |          | 0.447                   |        | 5mm |                        |       |      |                        |                         |                  |                     |
| WLAN 5G    |          | 0.533                   |        | 5mm | -35                    | 83    | -204 |                        |                         |                  |                     |
| BT Ant 6   |          | 0.286                   |        | 5mm |                        |       |      |                        |                         |                  |                     |
| Ant 1      | Back     | 1.247                   | 1.266  | 5mm | -34.5                  | -70.6 | -204 | 150.9                  | 2.51                    | 0.03             | Not required        |
| Ant 7      |          | 0.447                   |        | 5mm |                        |       |      |                        |                         |                  |                     |
| WLAN 5G    |          | 0.533                   |        | 5mm |                        |       |      |                        |                         |                  |                     |
| BT Ant 6   |          | 0.286                   |        | 5mm | -54                    | 79    | -204 |                        |                         |                  |                     |



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| No.12 Band | Position | SAR 1g<br>SAR<br>(W/kg) | Summed | Gap | SAR peak location (mm) |     |      | 3D<br>distance<br>(mm) | Summed<br>SAR<br>(W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
|------------|----------|-------------------------|--------|-----|------------------------|-----|------|------------------------|-------------------------|------------------|---------------------|
|            |          |                         |        |     | X                      | Y   | Z    |                        |                         |                  |                     |
| Ant 9      | Back     | 1.137                   | 1.446  | 5mm | -63                    | -71 | -204 | 147.6                  | 2.58                    | 0.03             | Not required        |
| Ant 3      |          | 0.627                   |        | 5mm | 5                      | 60  | -204 |                        |                         |                  |                     |
| WLAN 5G    |          | 0.533                   |        | 5mm |                        |     |      |                        |                         |                  |                     |
| BT Ant 6   |          | 0.286                   |        | 5mm |                        |     |      |                        |                         |                  |                     |
| Ant 9      | Back     | 1.137                   | 1.446  | 5mm | -63                    | -71 | -204 | 156.5                  | 2.58                    | 0.03             | Not required        |
| Ant 3      |          | 0.627                   |        | 5mm |                        |     |      |                        |                         |                  |                     |
| WLAN 5G    |          | 0.533                   |        | 5mm | -35                    | 83  | -204 |                        |                         |                  |                     |
| BT Ant 6   |          | 0.286                   |        | 5mm |                        |     |      |                        |                         |                  |                     |
| Ant 9      | Back     | 1.137                   | 1.446  | 5mm | -63                    | -71 | -204 | 150.3                  | 2.58                    | 0.03             | Not required        |
| Ant 3      |          | 0.627                   |        | 5mm |                        |     |      |                        |                         |                  |                     |
| WLAN 5G    |          | 0.533                   |        | 5mm |                        |     |      |                        |                         |                  |                     |
| BT Ant 6   |          | 0.286                   |        | 5mm | -54                    | 79  | -204 |                        |                         |                  |                     |
| No.13 Band | Position | SAR 1g<br>SAR<br>(W/kg) | Summed | Gap | SAR peak location (mm) |     |      | 3D<br>distance<br>(mm) | Summed<br>SAR<br>(W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
|            |          |                         |        |     | X                      | Y   | Z    |                        |                         |                  |                     |
| Ant 9      | Back     | 1.137                   | 1.449  | 5mm | -63                    | -71 | -204 | 153.3                  | 2.59                    | 0.03             | Not required        |
| Ant 4      |          | 0.630                   |        | 5mm | -10.5                  | 73  | -204 |                        |                         |                  |                     |
| WLAN 5G    |          | 0.533                   |        | 5mm |                        |     |      |                        |                         |                  |                     |
| BT Ant 6   |          | 0.286                   |        | 5mm |                        |     |      |                        |                         |                  |                     |
| Ant 9      | Back     | 1.137                   | 1.449  | 5mm | -63                    | -71 | -204 | 156.5                  | 2.59                    | 0.03             | Not required        |
| Ant 4      |          | 0.630                   |        | 5mm |                        |     |      |                        |                         |                  |                     |
| WLAN 5G    |          | 0.533                   |        | 5mm | -35                    | 83  | -204 |                        |                         |                  |                     |
| BT Ant 6   |          | 0.286                   |        | 5mm |                        |     |      |                        |                         |                  |                     |
| Ant 9      | Back     | 1.137                   | 1.449  | 5mm | -63                    | -71 | -204 | 150.3                  | 2.59                    | 0.03             | Not required        |
| Ant 4      |          | 0.630                   |        | 5mm |                        |     |      |                        |                         |                  |                     |
| WLAN 5G    |          | 0.533                   |        | 5mm |                        |     |      |                        |                         |                  |                     |
| BT Ant 6   |          | 0.286                   |        | 5mm | -54                    | 79  | -204 |                        |                         |                  |                     |
| No.14 Band | Position | SAR 1g<br>SAR<br>(W/kg) | Summed | Gap | SAR peak location (mm) |     |      | 3D<br>distance<br>(mm) | Summed<br>SAR<br>(W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
|            |          |                         |        |     | X                      | Y   | Z    |                        |                         |                  |                     |
| Ant 9      | Back     | 1.137                   | 1.465  | 5mm | -63                    | -71 | -204 | 153.1                  | 2.60                    | 0.03             | Not required        |
| Ant 5      |          | 0.646                   |        | 5mm | -38                    | 80  | -204 |                        |                         |                  |                     |
| WLAN 5G    |          | 0.533                   |        | 5mm |                        |     |      |                        |                         |                  |                     |
| BT Ant 6   |          | 0.286                   |        | 5mm |                        |     |      |                        |                         |                  |                     |
| Ant 9      | Back     | 1.137                   | 1.465  | 5mm | -63                    | -71 | -204 | 156.5                  | 2.60                    | 0.03             | Not required        |
| Ant 5      |          | 0.646                   |        | 5mm |                        |     |      |                        |                         |                  |                     |
| WLAN 5G    |          | 0.533                   |        | 5mm | -35                    | 83  | -204 |                        |                         |                  |                     |
| BT Ant 6   |          | 0.286                   |        | 5mm |                        |     |      |                        |                         |                  |                     |
| Ant 9      | Back     | 1.137                   | 1.465  | 5mm | -63                    | -71 | -204 | 150.3                  | 2.60                    | 0.03             | Not required        |
| Ant 5      |          | 0.646                   |        | 5mm |                        |     |      |                        |                         |                  |                     |
| WLAN 5G    |          | 0.533                   |        | 5mm |                        |     |      |                        |                         |                  |                     |
| BT Ant 6   |          | 0.286                   |        | 5mm | -54                    | 79  | -204 |                        |                         |                  |                     |
| No.15 Band | Position | SAR 1g<br>SAR<br>(W/kg) | Summed | Gap | SAR peak location (mm) |     |      | 3D<br>distance<br>(mm) | Summed<br>SAR<br>(W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
|            |          |                         |        |     | X                      | Y   | Z    |                        |                         |                  |                     |
| Ant 9      | Back     | 1.137                   | 1.266  | 5mm | -63                    | -71 | -204 | 133.0                  | 2.40                    | 0.03             | Not required        |
| Ant 7      |          | 0.447                   |        | 5mm | -65                    | 62  | -204 |                        |                         |                  |                     |
| WLAN 5G    |          | 0.533                   |        | 5mm |                        |     |      |                        |                         |                  |                     |
| BT Ant 6   |          | 0.286                   |        | 5mm |                        |     |      |                        |                         |                  |                     |
| Ant 9      | Back     | 1.137                   | 1.266  | 5mm | -63                    | -71 | -204 | 156.5                  | 2.40                    | 0.02             | Not required        |
| Ant 7      |          | 0.447                   |        | 5mm |                        |     |      |                        |                         |                  |                     |
| WLAN 5G    |          | 0.533                   |        | 5mm | -35                    | 83  | -204 |                        |                         |                  |                     |
| BT Ant 6   |          | 0.286                   |        | 5mm |                        |     |      |                        |                         |                  |                     |
| Ant 9      | Back     | 1.137                   | 1.266  | 5mm | -63                    | -71 | -204 | 150.3                  | 2.40                    | 0.02             | Not required        |
| Ant 7      |          | 0.447                   |        | 5mm |                        |     |      |                        |                         |                  |                     |
| WLAN 5G    |          | 0.533                   |        | 5mm |                        |     |      |                        |                         |                  |                     |
| BT Ant 6   |          | 0.286                   |        | 5mm | -54                    | 79  | -204 |                        |                         |                  |                     |

| No.16 Band | Position   | SAR 1g<br>SAR<br>(W/kg) | Summed | Gap | SAR peak location (mm) |       |      | 3D<br>distance<br>(mm) | Summed<br>SAR<br>(W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
|------------|------------|-------------------------|--------|-----|------------------------|-------|------|------------------------|-------------------------|------------------|---------------------|
|            |            |                         |        |     | X                      | Y     | Z    |                        |                         |                  |                     |
| Ant 0      | Right Side | 0.231                   | 1.451  | 5mm | -31.4                  | 22.8  | -204 | 92.0                   | 1.68                    | 0.02             | Not required        |
| Ant 7      |            | 0.627                   |        | 5mm | -25                    | -69   | -204 |                        |                         |                  |                     |
| WLAN 5G    |            | 0.565                   |        | 5mm |                        |       |      |                        |                         |                  |                     |
| BT Ant 8   |            | 0.259                   |        | 5mm |                        |       |      |                        |                         |                  |                     |
| Ant 0      | Right Side | 0.231                   | 1.451  | 5mm | -31.4                  | 22.8  | -204 | 84.0                   | 1.68                    | 0.03             | Not required        |
| Ant 7      |            | 0.627                   |        | 5mm |                        |       |      |                        |                         |                  |                     |
| WLAN 5G    |            | 0.565                   |        | 5mm | -25.8                  | -61   | -204 |                        |                         |                  |                     |
| BT Ant 8   |            | 0.259                   |        | 5mm |                        |       |      |                        |                         |                  |                     |
| Ant 0      | Right Side | 0.231                   | 1.451  | 5mm | -31.4                  | 22.8  | -204 | 68.0                   | 1.68                    | 0.03             | Not required        |
| Ant 7      |            | 0.627                   |        | 5mm |                        |       |      |                        |                         |                  |                     |
| WLAN 5G    |            | 0.565                   |        | 5mm |                        |       |      |                        |                         |                  |                     |
| BT Ant 8   |            | 0.259                   |        | 5mm | -25.8                  | -45   | -204 |                        |                         |                  |                     |
| No.17 Band | Position   | SAR 1g<br>SAR<br>(W/kg) | Summed | Gap | SAR peak location (mm) |       |      | 3D<br>distance<br>(mm) | Summed<br>SAR<br>(W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
|            |            |                         |        |     | X                      | Y     | Z    |                        |                         |                  |                     |
| Ant 1      | Right Side | 0.269                   | 1.451  | 5mm | -32                    | 50.2  | -204 | 119.4                  | 1.72                    | 0.02             | Not required        |
| Ant 7      |            | 0.627                   |        | 5mm | -25                    | -69   | -204 |                        |                         |                  |                     |
| WLAN 5G    |            | 0.565                   |        | 5mm |                        |       |      |                        |                         |                  |                     |
| BT Ant 8   |            | 0.259                   |        | 5mm |                        |       |      |                        |                         |                  |                     |
| Ant 1      | Right Side | 0.269                   | 1.451  | 5mm | -32                    | 50.2  | -204 | 111.4                  | 1.72                    | 0.02             | Not required        |
| Ant 7      |            | 0.627                   |        | 5mm |                        |       |      |                        |                         |                  |                     |
| WLAN 5G    |            | 0.565                   |        | 5mm | -25.8                  | -61   | -204 |                        |                         |                  |                     |
| BT Ant 8   |            | 0.259                   |        | 5mm |                        |       |      |                        |                         |                  |                     |
| Ant 1      | Right Side | 0.269                   | 1.451  | 5mm | -32                    | 50.2  | -204 | 95.4                   | 1.72                    | 0.02             | Not required        |
| Ant 7      |            | 0.627                   |        | 5mm |                        |       |      |                        |                         |                  |                     |
| WLAN 5G    |            | 0.565                   |        | 5mm |                        |       |      |                        |                         |                  |                     |
| BT Ant 8   |            | 0.259                   |        | 5mm | -25.8                  | -45   | -204 |                        |                         |                  |                     |
| No.18 Band | Position   | SAR 1g<br>SAR<br>(W/kg) | Summed | Gap | SAR peak location (mm) |       |      | 3D<br>distance<br>(mm) | Summed<br>SAR<br>(W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
|            |            |                         |        |     | X                      | Y     | Z    |                        |                         |                  |                     |
| Ant 9      | Right Side | 1.274                   | 0.824  | 5mm | -32.2                  | 69    | -204 | 143.1                  | 2.10                    | 0.02             | Not required        |
| Ant 3      |            | 0.000                   |        | 5mm | -27.4                  | -74   | -204 |                        |                         |                  |                     |
| WLAN 5G    |            | 0.565                   |        | 5mm |                        |       |      |                        |                         |                  |                     |
| BT Ant 8   |            | 0.259                   |        | 5mm |                        |       |      |                        |                         |                  |                     |
| Ant 9      | Right Side | 1.274                   | 0.824  | 5mm | -32.2                  | 69    | -204 | 130.2                  | 2.10                    | 0.02             | Not required        |
| Ant 3      |            | 0.000                   |        | 5mm |                        |       |      |                        |                         |                  |                     |
| WLAN 5G    |            | 0.565                   |        | 5mm | -25.8                  | -61   | -204 |                        |                         |                  |                     |
| BT Ant 8   |            | 0.259                   |        | 5mm |                        |       |      |                        |                         |                  |                     |
| Ant 9      | Right Side | 1.274                   | 0.824  | 5mm | -32.2                  | 69    | -204 | 114.2                  | 2.10                    | 0.03             | Not required        |
| Ant 3      |            | 0.000                   |        | 5mm |                        |       |      |                        |                         |                  |                     |
| WLAN 5G    |            | 0.565                   |        | 5mm |                        |       |      |                        |                         |                  |                     |
| BT Ant 8   |            | 0.259                   |        | 5mm | -25.8                  | -45   | -204 |                        |                         |                  |                     |
| No.19 Band | Position   | SAR 1g<br>SAR<br>(W/kg) | Summed | Gap | SAR peak location (mm) |       |      | 3D<br>distance<br>(mm) | Summed<br>SAR<br>(W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
|            |            |                         |        |     | X                      | Y     | Z    |                        |                         |                  |                     |
| Ant 9      | Right Side | 1.274                   | 0.900  | 5mm | -32.2                  | 69    | -204 | 94.5                   | 2.17                    | 0.03             | Not required        |
| Ant 4      |            | 0.076                   |        | 5mm | -29.8                  | -25.5 | -204 |                        |                         |                  |                     |
| WLAN 5G    |            | 0.565                   |        | 5mm |                        |       |      |                        |                         |                  |                     |
| BT Ant 8   |            | 0.259                   |        | 5mm |                        |       |      |                        |                         |                  |                     |
| Ant 9      | Right Side | 1.274                   | 0.900  | 5mm | -32.2                  | 69    | -204 | 130.2                  | 2.17                    | 0.02             | Not required        |
| Ant 4      |            | 0.076                   |        | 5mm |                        |       |      |                        |                         |                  |                     |
| WLAN 5G    |            | 0.565                   |        | 5mm | -25.8                  | -61   | -204 |                        |                         |                  |                     |
| BT Ant 8   |            | 0.259                   |        | 5mm |                        |       |      |                        |                         |                  |                     |
| Ant 9      | Right Side | 1.274                   | 0.900  | 5mm | -32.2                  | 69    | -204 | 114.2                  | 2.17                    | 0.03             | Not required        |
| Ant 4      |            | 0.076                   |        | 5mm |                        |       |      |                        |                         |                  |                     |
| WLAN 5G    |            | 0.565                   |        | 5mm |                        |       |      |                        |                         |                  |                     |



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| BT Ant 8   |            | 0.259                   |        | 5mm | -25.8                  | -45 | -204 |                        |                         |                  |                     |
|------------|------------|-------------------------|--------|-----|------------------------|-----|------|------------------------|-------------------------|------------------|---------------------|
| No.20 Band | Position   | SAR 1g<br>SAR<br>(W/kg) | Summed | Gap | SAR peak location (mm) |     |      | 3D<br>distance<br>(mm) | Summed<br>SAR<br>(W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
|            |            |                         |        |     | X                      | Y   | Z    |                        |                         |                  |                     |
| Ant 9      | Right Side | 1.274                   | 1.274  | 5mm | -32.2                  | 69  | -204 | 133.2                  | 2.18                    | 0.02             | Not required        |
| Ant 5      |            | 0.084                   | 0.908  | 5mm | -25                    | -64 | -204 |                        |                         |                  |                     |
| WLAN 5G    |            | 0.565                   |        | 5mm |                        |     |      |                        |                         |                  |                     |
| BT Ant 8   |            | 0.259                   |        | 5mm |                        |     |      |                        |                         |                  |                     |
| Ant 9      | Right Side | 1.274                   | 1.274  | 5mm | -32.2                  | 69  | -204 | 130.2                  | 2.18                    | 0.02             | Not required        |
| Ant 5      |            | 0.084                   | 0.908  | 5mm |                        |     |      |                        |                         |                  |                     |
| WLAN 5G    |            | 0.565                   |        | 5mm | -25.8                  | -61 | -204 |                        |                         |                  |                     |
| BT Ant 8   |            | 0.259                   |        | 5mm |                        |     |      |                        |                         |                  |                     |
| Ant 9      | Right Side | 1.274                   | 1.274  | 5mm | -32.2                  | 69  | -204 | 114.2                  | 2.18                    | 0.03             | Not required        |
| Ant 5      |            | 0.084                   | 0.908  | 5mm |                        |     |      |                        |                         |                  |                     |
| WLAN 5G    |            | 0.565                   |        | 5mm |                        |     |      |                        |                         |                  |                     |
| BT Ant 8   |            | 0.259                   |        | 5mm | -25.8                  | -45 | -204 |                        |                         |                  |                     |
| No.21 Band | Position   | SAR 1g<br>SAR<br>(W/kg) | Summed | Gap | SAR peak location (mm) |     |      | 3D<br>distance<br>(mm) | Summed<br>SAR<br>(W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
|            |            |                         |        |     | X                      | Y   | Z    |                        |                         |                  |                     |
| Ant 9      | Right Side | 1.274                   | 1.274  | 5mm | -32.2                  | 69  | -204 | 138.2                  | 2.73                    | 0.03             | Not required        |
| Ant 7      |            | 0.627                   | 1.451  | 5mm | -25                    | -69 | -204 |                        |                         |                  |                     |
| WLAN 5G    |            | 0.565                   |        | 5mm |                        |     |      |                        |                         |                  |                     |
| BT Ant 8   |            | 0.259                   |        | 5mm |                        |     |      |                        |                         |                  |                     |
| Ant 9      | Right Side | 1.274                   | 1.274  | 5mm | -32.2                  | 69  | -204 | 130.2                  | 2.73                    | 0.03             | Not required        |
| Ant 7      |            | 0.627                   | 1.451  | 5mm |                        |     |      |                        |                         |                  |                     |
| WLAN 5G    |            | 0.565                   |        | 5mm | -25.8                  | -61 | -204 |                        |                         |                  |                     |
| BT Ant 8   |            | 0.259                   |        | 5mm |                        |     |      |                        |                         |                  |                     |
| Ant 9      | Right Side | 1.274                   | 1.274  | 5mm | -32.2                  | 69  | -204 | 114.2                  | 2.73                    | 0.04             | Not required        |
| Ant 7      |            | 0.627                   | 1.451  | 5mm |                        |     |      |                        |                         |                  |                     |
| WLAN 5G    |            | 0.565                   |        | 5mm |                        |     |      |                        |                         |                  |                     |
| BT Ant 8   |            | 0.259                   |        | 5mm | -25.8                  | -45 | -204 |                        |                         |                  |                     |

<Body-worn>

| No.1 Band | Position | SAR 1g<br>SAR<br>(W/kg) | Summed | Gap | SAR peak location (mm) |       |      | 3D<br>distance<br>(mm) | Summed<br>SAR<br>(W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
|-----------|----------|-------------------------|--------|-----|------------------------|-------|------|------------------------|-------------------------|------------------|---------------------|
|           |          |                         |        |     | X                      | Y     | Z    |                        |                         |                  |                     |
| Ant 1     | Front    | 1.056                   | 1.056  | 5mm | 3.1                    | -78.4 | -204 | 162.4                  | 1.80                    | 0.01             | Not required        |
| Ant 4     |          | 0.356                   | 0.740  | 5mm | -52.5                  | 74.2  | -204 |                        |                         |                  |                     |
| WLAN 5G   |          | 0.245                   |        | 5mm |                        |       |      |                        |                         |                  |                     |
| BT Ant 6  |          | 0.139                   |        | 5mm |                        |       |      |                        |                         |                  |                     |
| Ant 1     | Front    | 1.056                   | 1.056  | 5mm | 3.1                    | -78.4 | -204 | 169.7                  | 1.80                    | 0.01             | Not required        |
| Ant 4     |          | 0.356                   | 0.740  | 5mm |                        |       |      |                        |                         |                  |                     |
| WLAN 5G   |          | 0.245                   |        | 5mm | -25                    | 89    | -204 |                        |                         |                  |                     |
| BT Ant 6  |          | 0.139                   |        | 5mm |                        |       |      |                        |                         |                  |                     |
| Ant 1     | Front    | 1.056                   | 1.056  | 5mm | 3.1                    | -78.4 | -204 | 156.4                  | 1.80                    | 0.02             | Not required        |
| Ant 4     |          | 0.356                   | 0.740  | 5mm |                        |       |      |                        |                         |                  |                     |
| WLAN 5G   |          | 0.245                   |        | 5mm |                        |       |      |                        |                         |                  |                     |
| BT Ant 6  |          | 0.139                   |        | 5mm | 3                      | 78    | -204 |                        |                         |                  |                     |
| No.2 Band | Position | SAR 1g<br>SAR<br>(W/kg) | Summed | Gap | SAR peak location (mm) |       |      | 3D<br>distance<br>(mm) | Summed<br>SAR<br>(W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
|           |          |                         |        |     | X                      | Y     | Z    |                        |                         |                  |                     |
| Ant 1     | Front    | 1.056                   | 1.056  | 5mm | 3.1                    | -78.4 | -204 | 168.4                  | 1.80                    | 0.01             | Not required        |
| Ant 5     |          | 0.359                   | 0.743  | 5mm | -15                    | 89    | -204 |                        |                         |                  |                     |
| WLAN 5G   |          | 0.245                   |        | 5mm |                        |       |      |                        |                         |                  |                     |
| BT Ant 6  |          | 0.139                   |        | 5mm |                        |       |      |                        |                         |                  |                     |
| Ant 1     | Front    | 1.056                   | 1.056  | 5mm | 3.1                    | -78.4 | -204 | 169.7                  | 1.80                    | 0.01             | Not required        |
| Ant 5     |          | 0.359                   | 0.743  | 5mm |                        |       |      |                        |                         |                  |                     |
| WLAN 5G   |          | 0.245                   |        | 5mm | -25                    | 89    | -204 |                        |                         |                  |                     |
| BT Ant 6  |          | 0.139                   |        | 5mm |                        |       |      |                        |                         |                  |                     |
| Ant 1     | Front    | 1.056                   | 1.056  | 5mm | 3.1                    | -78.4 | -204 | 156.4                  | 1.80                    | 0.02             | Not required        |
| Ant 5     |          | 0.359                   | 0.743  | 5mm |                        |       |      |                        |                         |                  |                     |
| WLAN 5G   |          | 0.245                   |        | 5mm |                        |       |      |                        |                         |                  |                     |
| BT Ant 6  |          | 0.139                   |        | 5mm | 3                      | 78    | -204 |                        |                         |                  |                     |
| No.3 Band | Position | SAR 1g<br>SAR<br>(W/kg) | Summed | Gap | SAR peak location (mm) |       |      | 3D<br>distance<br>(mm) | Summed<br>SAR<br>(W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
|           |          |                         |        |     | X                      | Y     | Z    |                        |                         |                  |                     |
| Ant 1     | Front    | 1.056                   | 1.056  | 5mm | 3.1                    | -78.4 | -204 | 149.6                  | 1.83                    | 0.02             | Not required        |
| Ant 7     |          | 0.390                   | 0.774  | 5mm | 10                     | 71    | -204 |                        |                         |                  |                     |
| WLAN 5G   |          | 0.245                   |        | 5mm |                        |       |      |                        |                         |                  |                     |
| BT Ant 6  |          | 0.139                   |        | 5mm |                        |       |      |                        |                         |                  |                     |
| Ant 1     | Front    | 1.056                   | 1.056  | 5mm | 3.1                    | -78.4 | -204 | 169.7                  | 1.83                    | 0.01             | Not required        |
| Ant 7     |          | 0.390                   | 0.774  | 5mm |                        |       |      |                        |                         |                  |                     |
| WLAN 5G   |          | 0.245                   |        | 5mm | -25                    | 89    | -204 |                        |                         |                  |                     |
| BT Ant 6  |          | 0.139                   |        | 5mm |                        |       |      |                        |                         |                  |                     |
| Ant 1     | Front    | 1.056                   | 1.056  | 5mm | 3.1                    | -78.4 | -204 | 156.4                  | 1.83                    | 0.02             | Not required        |
| Ant 7     |          | 0.390                   | 0.774  | 5mm |                        |       |      |                        |                         |                  |                     |
| WLAN 5G   |          | 0.245                   |        | 5mm |                        |       |      |                        |                         |                  |                     |
| BT Ant 6  |          | 0.139                   |        | 5mm | 3                      | 78    | -204 |                        |                         |                  |                     |



| No.4 Band | Position | SAR 1g<br>SAR<br>(W/kg) | Summed | Gap | SAR peak location (mm) |     |      | 3D<br>distance<br>(mm) | Summed<br>SAR<br>(W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
|-----------|----------|-------------------------|--------|-----|------------------------|-----|------|------------------------|-------------------------|------------------|---------------------|
|           |          |                         |        |     | X                      | Y   | Z    |                        |                         |                  |                     |
| Ant 0     | Back     | 1.296                   | 1.542  | 5mm | -5                     | -73 | -204 | 133.4                  | 2.84                    | 0.04             | Not required        |
| Ant 3     |          | 0.891                   |        | 5mm | 5                      | 60  | -204 |                        |                         |                  |                     |
| WLAN 5G   |          | 0.392                   |        | 5mm |                        |     |      |                        |                         |                  |                     |
| BT Ant 6  |          | 0.259                   |        | 5mm |                        |     |      |                        |                         |                  |                     |
| Ant 0     | Back     | 1.296                   | 1.542  | 5mm | -5                     | -73 | -204 | 158.9                  | 2.84                    | 0.03             | Not required        |
| Ant 3     |          | 0.891                   |        | 5mm |                        |     |      |                        |                         |                  |                     |
| WLAN 5G   |          | 0.392                   |        | 5mm | -35                    | 83  | -204 |                        |                         |                  |                     |
| BT Ant 6  |          | 0.259                   |        | 5mm |                        |     |      |                        |                         |                  |                     |
| Ant 0     | Back     | 1.296                   | 1.542  | 5mm | -5                     | -73 | -204 | 159.7                  | 2.84                    | 0.03             | Not required        |
| Ant 3     |          | 0.891                   |        | 5mm |                        |     |      |                        |                         |                  |                     |
| WLAN 5G   |          | 0.392                   |        | 5mm |                        |     |      |                        |                         |                  |                     |
| BT Ant 6  |          | 0.259                   |        | 5mm | -54                    | 79  | -204 |                        |                         |                  |                     |
| No.5 Band | Position | SAR 1g<br>SAR<br>(W/kg) | Summed | Gap | SAR peak location (mm) |     |      | 3D<br>distance<br>(mm) | Summed<br>SAR<br>(W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
|           |          |                         |        |     | X                      | Y   | Z    |                        |                         |                  |                     |
| Ant 0     | Back     | 1.296                   | 1.542  | 5mm | -5                     | -73 | -204 | 146.1                  | 2.84                    | 0.03             | Not required        |
| Ant 4     |          | 0.891                   |        | 5mm | -10.5                  | 73  | -204 |                        |                         |                  |                     |
| WLAN 5G   |          | 0.392                   |        | 5mm |                        |     |      |                        |                         |                  |                     |
| BT Ant 6  |          | 0.259                   |        | 5mm |                        |     |      |                        |                         |                  |                     |
| Ant 0     | Back     | 1.296                   | 1.542  | 5mm | -5                     | -73 | -204 | 158.9                  | 2.84                    | 0.03             | Not required        |
| Ant 4     |          | 0.891                   |        | 5mm |                        |     |      |                        |                         |                  |                     |
| WLAN 5G   |          | 0.392                   |        | 5mm | -35                    | 83  | -204 |                        |                         |                  |                     |
| BT Ant 6  |          | 0.259                   |        | 5mm |                        |     |      |                        |                         |                  |                     |
| Ant 0     | Back     | 1.296                   | 1.542  | 5mm | -5                     | -73 | -204 | 159.7                  | 2.84                    | 0.03             | Not required        |
| Ant 4     |          | 0.891                   |        | 5mm |                        |     |      |                        |                         |                  |                     |
| WLAN 5G   |          | 0.392                   |        | 5mm |                        |     |      |                        |                         |                  |                     |
| BT Ant 6  |          | 0.259                   |        | 5mm | -54                    | 79  | -204 |                        |                         |                  |                     |
| No.6 Band | Position | SAR 1g<br>SAR<br>(W/kg) | Summed | Gap | SAR peak location (mm) |     |      | 3D<br>distance<br>(mm) | Summed<br>SAR<br>(W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
|           |          |                         |        |     | X                      | Y   | Z    |                        |                         |                  |                     |
| Ant 0     | Back     | 1.296                   | 1.526  | 5mm | -5                     | -73 | -204 | 156.5                  | 2.82                    | 0.03             | Not required        |
| Ant 5     |          | 0.875                   |        | 5mm | -38                    | 80  | -204 |                        |                         |                  |                     |
| WLAN 5G   |          | 0.392                   |        | 5mm |                        |     |      |                        |                         |                  |                     |
| BT Ant 6  |          | 0.259                   |        | 5mm |                        |     |      |                        |                         |                  |                     |
| Ant 0     | Back     | 1.296                   | 1.526  | 5mm | -5                     | -73 | -204 | 158.9                  | 2.82                    | 0.03             | Not required        |
| Ant 5     |          | 0.875                   |        | 5mm |                        |     |      |                        |                         |                  |                     |
| WLAN 5G   |          | 0.392                   |        | 5mm | -35                    | 83  | -204 |                        |                         |                  |                     |
| BT Ant 6  |          | 0.259                   |        | 5mm |                        |     |      |                        |                         |                  |                     |
| Ant 0     | Back     | 1.296                   | 1.526  | 5mm | -5                     | -73 | -204 | 159.7                  | 2.82                    | 0.03             | Not required        |
| Ant 5     |          | 0.875                   |        | 5mm |                        |     |      |                        |                         |                  |                     |
| WLAN 5G   |          | 0.392                   |        | 5mm |                        |     |      |                        |                         |                  |                     |
| BT Ant 6  |          | 0.259                   |        | 5mm | -54                    | 79  | -204 |                        |                         |                  |                     |
| No.7 Band | Position | SAR 1g<br>SAR<br>(W/kg) | Summed | Gap | SAR peak location (mm) |     |      | 3D<br>distance<br>(mm) | Summed<br>SAR<br>(W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
|           |          |                         |        |     | X                      | Y   | Z    |                        |                         |                  |                     |
| Ant 0     | Back     | 1.296                   | 1.543  | 5mm | -5                     | -73 | -204 | 147.7                  | 2.84                    | 0.03             | Not required        |
| Ant 7     |          | 0.892                   |        | 5mm | -65                    | 62  | -204 |                        |                         |                  |                     |
| WLAN 5G   |          | 0.392                   |        | 5mm |                        |     |      |                        |                         |                  |                     |
| BT Ant 6  |          | 0.259                   |        | 5mm |                        |     |      |                        |                         |                  |                     |
| Ant 0     | Back     | 1.296                   | 1.543  | 5mm | -5                     | -73 | -204 | 158.9                  | 2.84                    | 0.03             | Not required        |
| Ant 7     |          | 0.892                   |        | 5mm |                        |     |      |                        |                         |                  |                     |
| WLAN 5G   |          | 0.392                   |        | 5mm | -35                    | 83  | -204 |                        |                         |                  |                     |
| BT Ant 6  |          | 0.259                   |        | 5mm |                        |     |      |                        |                         |                  |                     |
| Ant 0     | Back     | 1.296                   | 1.543  | 5mm | -5                     | -73 | -204 | 159.7                  | 2.84                    | 0.03             | Not required        |
| Ant 7     |          | 0.892                   |        | 5mm |                        |     |      |                        |                         |                  |                     |
| WLAN 5G   |          | 0.392                   |        | 5mm |                        |     |      |                        |                         |                  |                     |
| BT Ant 6  |          | 0.259                   |        | 5mm | -54                    | 79  | -204 |                        |                         |                  |                     |



# FCC SAR Test Report

Report No. : FA471919

| No.8 Band  | Position | SAR 1g<br>SAR<br>(W/kg) | Summed | Gap | SAR peak location (mm) |       |      | 3D<br>distance<br>(mm) | Summed<br>SAR<br>(W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
|------------|----------|-------------------------|--------|-----|------------------------|-------|------|------------------------|-------------------------|------------------|---------------------|
|            |          |                         |        |     | X                      | Y     | Z    |                        |                         |                  |                     |
| Ant 1      | Back     | 1.296                   | 1.296  | 5mm | -34.5                  | -70.6 | -204 | 136.4                  | 2.84                    | 0.04             | Not required        |
| Ant 3      |          | 0.891                   | 1.542  | 5mm | 5                      | 60    | -204 |                        |                         |                  |                     |
| WLAN 5G    |          | 0.392                   |        | 5mm |                        |       |      |                        |                         |                  |                     |
| BT Ant 6   |          | 0.259                   |        | 5mm |                        |       |      |                        |                         |                  |                     |
| Ant 1      | Back     | 1.296                   | 1.296  | 5mm | -34.5                  | -70.6 | -204 | 153.6                  | 2.84                    | 0.03             | Not required        |
| Ant 3      |          | 0.891                   | 1.542  | 5mm |                        |       |      |                        |                         |                  |                     |
| WLAN 5G    |          | 0.392                   |        | 5mm | -35                    | 83    | -204 |                        |                         |                  |                     |
| BT Ant 6   |          | 0.259                   |        | 5mm |                        |       |      |                        |                         |                  |                     |
| Ant 1      | Back     | 1.296                   | 1.296  | 5mm | -34.5                  | -70.6 | -204 | 150.9                  | 2.84                    | 0.03             | Not required        |
| Ant 3      |          | 0.891                   | 1.542  | 5mm |                        |       |      |                        |                         |                  |                     |
| WLAN 5G    |          | 0.392                   |        | 5mm |                        |       |      |                        |                         |                  |                     |
| BT Ant 6   |          | 0.259                   |        | 5mm | -54                    | 79    | -204 |                        |                         |                  |                     |
| No.9 Band  | Position | SAR 1g<br>SAR<br>(W/kg) | Summed | Gap | SAR peak location (mm) |       |      | 3D<br>distance<br>(mm) | Summed<br>SAR<br>(W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
|            |          |                         |        |     | X                      | Y     | Z    |                        |                         |                  |                     |
| Ant 1      | Back     | 1.296                   | 1.296  | 5mm | -34.5                  | -70.6 | -204 | 145.6                  | 2.84                    | 0.03             | Not required        |
| Ant 4      |          | 0.891                   | 1.542  | 5mm | -10.5                  | 73    | -204 |                        |                         |                  |                     |
| WLAN 5G    |          | 0.392                   |        | 5mm |                        |       |      |                        |                         |                  |                     |
| BT Ant 6   |          | 0.259                   |        | 5mm |                        |       |      |                        |                         |                  |                     |
| Ant 1      | Back     | 1.296                   | 1.296  | 5mm | -34.5                  | -70.6 | -204 | 153.6                  | 2.84                    | 0.03             | Not required        |
| Ant 4      |          | 0.891                   | 1.542  | 5mm |                        |       |      |                        |                         |                  |                     |
| WLAN 5G    |          | 0.392                   |        | 5mm | -35                    | 83    | -204 |                        |                         |                  |                     |
| BT Ant 6   |          | 0.259                   |        | 5mm |                        |       |      |                        |                         |                  |                     |
| Ant 1      | Back     | 1.296                   | 1.296  | 5mm | -34.5                  | -70.6 | -204 | 150.9                  | 2.84                    | 0.03             | Not required        |
| Ant 4      |          | 0.891                   | 1.542  | 5mm |                        |       |      |                        |                         |                  |                     |
| WLAN 5G    |          | 0.392                   |        | 5mm |                        |       |      |                        |                         |                  |                     |
| BT Ant 6   |          | 0.259                   |        | 5mm | -54                    | 79    | -204 |                        |                         |                  |                     |
| No.10 Band | Position | SAR 1g<br>SAR<br>(W/kg) | Summed | Gap | SAR peak location (mm) |       |      | 3D<br>distance<br>(mm) | Summed<br>SAR<br>(W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
|            |          |                         |        |     | X                      | Y     | Z    |                        |                         |                  |                     |
| Ant 1      | Back     | 1.296                   | 1.296  | 5mm | -34.5                  | -70.6 | -204 | 150.6                  | 2.82                    | 0.03             | Not required        |
| Ant 5      |          | 0.875                   | 1.526  | 5mm | -38                    | 80    | -204 |                        |                         |                  |                     |
| WLAN 5G    |          | 0.392                   |        | 5mm |                        |       |      |                        |                         |                  |                     |
| BT Ant 6   |          | 0.259                   |        | 5mm |                        |       |      |                        |                         |                  |                     |
| Ant 1      | Back     | 1.296                   | 1.296  | 5mm | -34.5                  | -70.6 | -204 | 153.6                  | 2.82                    | 0.03             | Not required        |
| Ant 5      |          | 0.875                   | 1.526  | 5mm |                        |       |      |                        |                         |                  |                     |
| WLAN 5G    |          | 0.392                   |        | 5mm | -35                    | 83    | -204 |                        |                         |                  |                     |
| BT Ant 6   |          | 0.259                   |        | 5mm |                        |       |      |                        |                         |                  |                     |
| Ant 1      | Back     | 1.296                   | 1.296  | 5mm | -34.5                  | -70.6 | -204 | 150.9                  | 2.82                    | 0.03             | Not required        |
| Ant 5      |          | 0.875                   | 1.526  | 5mm |                        |       |      |                        |                         |                  |                     |
| WLAN 5G    |          | 0.392                   |        | 5mm |                        |       |      |                        |                         |                  |                     |
| BT Ant 6   |          | 0.259                   |        | 5mm | -54                    | 79    | -204 |                        |                         |                  |                     |
| No.11 Band | Position | SAR 1g<br>SAR<br>(W/kg) | Summed | Gap | SAR peak location (mm) |       |      | 3D<br>distance<br>(mm) | Summed<br>SAR<br>(W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
|            |          |                         |        |     | X                      | Y     | Z    |                        |                         |                  |                     |
| Ant 1      | Back     | 1.296                   | 1.296  | 5mm | -34.5                  | -70.6 | -204 | 136.1                  | 2.84                    | 0.04             | Not required        |
| Ant 7      |          | 0.892                   | 1.543  | 5mm | -65                    | 62    | -204 |                        |                         |                  |                     |
| WLAN 5G    |          | 0.392                   |        | 5mm |                        |       |      |                        |                         |                  |                     |
| BT Ant 6   |          | 0.259                   |        | 5mm |                        |       |      |                        |                         |                  |                     |
| Ant 1      | Back     | 1.296                   | 1.296  | 5mm | -34.5                  | -70.6 | -204 | 153.6                  | 2.84                    | 0.03             | Not required        |
| Ant 7      |          | 0.892                   | 1.543  | 5mm |                        |       |      |                        |                         |                  |                     |
| WLAN 5G    |          | 0.392                   |        | 5mm | -35                    | 83    | -204 |                        |                         |                  |                     |
| BT Ant 6   |          | 0.259                   |        | 5mm |                        |       |      |                        |                         |                  |                     |
| Ant 1      | Back     | 1.296                   | 1.296  | 5mm | -34.5                  | -70.6 | -204 | 150.9                  | 2.84                    | 0.03             | Not required        |
| Ant 7      |          | 0.892                   | 1.543  | 5mm |                        |       |      |                        |                         |                  |                     |
| WLAN 5G    |          | 0.392                   |        | 5mm |                        |       |      |                        |                         |                  |                     |
| BT Ant 6   |          | 0.259                   |        | 5mm | -54                    | 79    | -204 |                        |                         |                  |                     |
| No.12 Band | Position | SAR 1g                  | Summed | Gap | SAR peak location (mm) |       |      | 3D                     | Summed                  | SPLSR            | Simultaneous        |



|            |          | SAR<br>(W/kg)           |        |     | X                      | Y   | Z    | distance<br>(mm)       | SAR<br>(W/kg)           |                  |                     |
|------------|----------|-------------------------|--------|-----|------------------------|-----|------|------------------------|-------------------------|------------------|---------------------|
| Ant 9      | Back     | 0.871                   | 0.871  | 5mm | -63                    | -71 | -204 | 147.6                  | 2.41                    | 0.03             | Not required        |
| Ant 3      |          | 0.891                   | 1.542  | 5mm | 5                      | 60  | -204 |                        |                         |                  |                     |
| WLAN 5G    |          | 0.392                   |        | 5mm |                        |     |      |                        |                         |                  |                     |
| BT Ant 6   |          | 0.259                   |        | 5mm |                        |     |      |                        |                         |                  |                     |
| Ant 9      | Back     | 0.871                   | 0.871  | 5mm | -63                    | -71 | -204 | 156.5                  | 2.41                    | 0.02             | Not required        |
| Ant 3      |          | 0.891                   | 1.542  | 5mm |                        |     |      |                        |                         |                  |                     |
| WLAN 5G    |          | 0.392                   |        | 5mm | -35                    | 83  | -204 |                        |                         |                  |                     |
| BT Ant 6   |          | 0.259                   |        | 5mm |                        |     |      |                        |                         |                  |                     |
| Ant 9      | Back     | 0.871                   | 0.871  | 5mm | -63                    | -71 | -204 | 150.3                  | 2.41                    | 0.02             | Not required        |
| Ant 3      |          | 0.891                   | 1.542  | 5mm |                        |     |      |                        |                         |                  |                     |
| WLAN 5G    |          | 0.392                   |        | 5mm |                        |     |      |                        |                         |                  |                     |
| BT Ant 6   |          | 0.259                   |        | 5mm | -54                    | 79  | -204 |                        |                         |                  |                     |
| No.13 Band | Position | SAR 1g<br>SAR<br>(W/kg) | Summed | Gap | SAR peak location (mm) |     |      | 3D<br>distance<br>(mm) | Summed<br>SAR<br>(W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
|            |          |                         |        |     | X                      | Y   | Z    |                        |                         |                  |                     |
| Ant 9      | Back     | 0.871                   | 0.871  | 5mm | -63                    | -71 | -204 | 153.3                  | 2.41                    | 0.02             | Not required        |
| Ant 4      |          | 0.891                   | 1.542  | 5mm | -10.5                  | 73  | -204 |                        |                         |                  |                     |
| WLAN 5G    |          | 0.392                   |        | 5mm |                        |     |      |                        |                         |                  |                     |
| BT Ant 6   |          | 0.259                   |        | 5mm |                        |     |      |                        |                         |                  |                     |
| Ant 9      | Back     | 0.871                   | 0.871  | 5mm | -63                    | -71 | -204 | 156.5                  | 2.41                    | 0.02             | Not required        |
| Ant 4      |          | 0.891                   | 1.542  | 5mm |                        |     |      |                        |                         |                  |                     |
| WLAN 5G    |          | 0.392                   |        | 5mm | -35                    | 83  | -204 |                        |                         |                  |                     |
| BT Ant 6   |          | 0.259                   |        | 5mm |                        |     |      |                        |                         |                  |                     |
| Ant 9      | Back     | 0.871                   | 0.871  | 5mm | -63                    | -71 | -204 | 150.3                  | 2.41                    | 0.02             | Not required        |
| Ant 4      |          | 0.891                   | 1.542  | 5mm |                        |     |      |                        |                         |                  |                     |
| WLAN 5G    |          | 0.392                   |        | 5mm |                        |     |      |                        |                         |                  |                     |
| BT Ant 6   |          | 0.259                   |        | 5mm | -54                    | 79  | -204 |                        |                         |                  |                     |
| No.14 Band | Position | SAR 1g<br>SAR<br>(W/kg) | Summed | Gap | SAR peak location (mm) |     |      | 3D<br>distance<br>(mm) | Summed<br>SAR<br>(W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
|            |          |                         |        |     | X                      | Y   | Z    |                        |                         |                  |                     |
| Ant 9      | Back     | 0.871                   | 0.871  | 5mm | -63                    | -71 | -204 | 153.1                  | 2.40                    | 0.02             | Not required        |
| Ant 5      |          | 0.875                   | 1.526  | 5mm | -38                    | 80  | -204 |                        |                         |                  |                     |
| WLAN 5G    |          | 0.392                   |        | 5mm |                        |     |      |                        |                         |                  |                     |
| BT Ant 6   |          | 0.259                   |        | 5mm |                        |     |      |                        |                         |                  |                     |
| Ant 9      | Back     | 0.871                   | 0.871  | 5mm | -63                    | -71 | -204 | 156.5                  | 2.40                    | 0.02             | Not required        |
| Ant 5      |          | 0.875                   | 1.526  | 5mm |                        |     |      |                        |                         |                  |                     |
| WLAN 5G    |          | 0.392                   |        | 5mm | -35                    | 83  | -204 |                        |                         |                  |                     |
| BT Ant 6   |          | 0.259                   |        | 5mm |                        |     |      |                        |                         |                  |                     |
| Ant 9      | Back     | 0.871                   | 0.871  | 5mm | -63                    | -71 | -204 | 150.3                  | 2.40                    | 0.02             | Not required        |
| Ant 5      |          | 0.875                   | 1.526  | 5mm |                        |     |      |                        |                         |                  |                     |
| WLAN 5G    |          | 0.392                   |        | 5mm |                        |     |      |                        |                         |                  |                     |
| BT Ant 6   |          | 0.259                   |        | 5mm | -54                    | 79  | -204 |                        |                         |                  |                     |
| No.15 Band | Position | SAR 1g<br>SAR<br>(W/kg) | Summed | Gap | SAR peak location (mm) |     |      | 3D<br>distance<br>(mm) | Summed<br>SAR<br>(W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
|            |          |                         |        |     | X                      | Y   | Z    |                        |                         |                  |                     |
| Ant 9      | Back     | 0.871                   | 0.871  | 5mm | -63                    | -71 | -204 | 133.0                  | 2.41                    | 0.03             | Not required        |
| Ant 7      |          | 0.892                   | 1.543  | 5mm | -65                    | 62  | -204 |                        |                         |                  |                     |
| WLAN 5G    |          | 0.392                   |        | 5mm |                        |     |      |                        |                         |                  |                     |
| BT Ant 6   |          | 0.259                   |        | 5mm |                        |     |      |                        |                         |                  |                     |
| Ant 9      | Back     | 0.871                   | 0.871  | 5mm | -63                    | -71 | -204 | 156.5                  | 2.41                    | 0.02             | Not required        |
| Ant 7      |          | 0.892                   | 1.543  | 5mm |                        |     |      |                        |                         |                  |                     |
| WLAN 5G    |          | 0.392                   |        | 5mm | -35                    | 83  | -204 |                        |                         |                  |                     |
| BT Ant 6   |          | 0.259                   |        | 5mm |                        |     |      |                        |                         |                  |                     |
| Ant 9      | Back     | 0.871                   | 0.871  | 5mm | -63                    | -71 | -204 | 150.3                  | 2.41                    | 0.03             | Not required        |
| Ant 7      |          | 0.892                   | 1.543  | 5mm |                        |     |      |                        |                         |                  |                     |
| WLAN 5G    |          | 0.392                   |        | 5mm |                        |     |      |                        |                         |                  |                     |
| BT Ant 6   |          | 0.259                   |        | 5mm | -54                    | 79  | -204 |                        |                         |                  |                     |

**Sensor Off**

| No.1 Band | Position | SAR 1g<br>SAR<br>(W/kg) | Summed | Gap  | SAR peak location (mm) |       |      | 3D<br>distance<br>(mm) | Summed<br>SAR<br>(W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
|-----------|----------|-------------------------|--------|------|------------------------|-------|------|------------------------|-------------------------|------------------|---------------------|
|           |          |                         |        |      | X                      | Y     | Z    |                        |                         |                  |                     |
| Ant 1     | Back     | 0.386                   | 1.445  | 18mm | -8                     | -69   | -204 | 142.5                  | 1.83                    | 0.02             | Not required        |
| Ant 4     |          | 0.654                   |        | 18mm | -11.5                  | 73.5  | -204 |                        |                         |                  |                     |
| WLAN 5G   |          | 0.791                   |        | 18mm |                        |       |      |                        |                         |                  |                     |
| Ant 1     | Back     | 0.386                   | 1.445  | 18mm | -8                     | -69   | -204 | 161.1                  | 1.83                    | 0.02             | Not required        |
| Ant 4     |          | 0.654                   |        | 18mm |                        |       |      |                        |                         |                  |                     |
| WLAN 5G   |          | 0.791                   |        | 18mm | -34                    | 90    | -204 |                        |                         |                  |                     |
| No.2 Band | Position | SAR 1g<br>SAR<br>(W/kg) | Summed | Gap  | SAR peak location (mm) |       |      | 3D<br>distance<br>(mm) | Summed<br>SAR<br>(W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
|           |          |                         |        |      | X                      | Y     | Z    |                        |                         |                  |                     |
| Ant 1     | Back     | 0.386                   | 1.291  | 18mm | -40                    | -72.5 | -204 | 159.7                  | 1.68                    | 0.01             | Not required        |
| Ant 5     |          | 0.500                   |        | 18mm | -47                    | 87    | -204 |                        |                         |                  |                     |
| WLAN 5G   |          | 0.791                   |        | 18mm |                        |       |      |                        |                         |                  |                     |
| Ant 1     | Back     | 0.386                   | 1.291  | 18mm | -40                    | -72.5 | -204 | 162.6                  | 1.68                    | 0.01             | Not required        |
| Ant 5     |          | 0.500                   |        | 18mm |                        |       |      |                        |                         |                  |                     |
| WLAN 5G   |          | 0.791                   |        | 18mm | -34                    | 90    | -204 |                        |                         |                  |                     |
| No.3 Band | Position | SAR 1g<br>SAR<br>(W/kg) | Summed | Gap  | SAR peak location (mm) |       |      | 3D<br>distance<br>(mm) | Summed<br>SAR<br>(W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
|           |          |                         |        |      | X                      | Y     | Z    |                        |                         |                  |                     |
| Ant 0     | Back     | 0.376                   | 1.445  | 18mm | -6.5                   | -78   | -204 | 151.6                  | 1.82                    | 0.02             | Not required        |
| Ant 4     |          | 0.654                   |        | 18mm | -11.5                  | 73.5  | -204 |                        |                         |                  |                     |
| WLAN 5G   |          | 0.791                   |        | 18mm |                        |       |      |                        |                         |                  |                     |
| Ant 0     | Back     | 0.376                   | 1.445  | 18mm | -6.5                   | -78   | -204 | 170.2                  | 1.82                    | 0.01             | Not required        |
| Ant 4     |          | 0.654                   |        | 18mm |                        |       |      |                        |                         |                  |                     |
| WLAN 5G   |          | 0.791                   |        | 18mm | -34                    | 90    | -204 |                        |                         |                  |                     |
| No.4 Band | Position | SAR 1g<br>SAR<br>(W/kg) | Summed | Gap  | SAR peak location (mm) |       |      | 3D<br>distance<br>(mm) | Summed<br>SAR<br>(W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
|           |          |                         |        |      | X                      | Y     | Z    |                        |                         |                  |                     |
| Ant 0     | Back     | 0.376                   | 1.291  | 18mm | -6.5                   | -78   | -204 | 169.9                  | 1.67                    | 0.01             | Not required        |
| Ant 5     |          | 0.500                   |        | 18mm | -47                    | 87    | -204 |                        |                         |                  |                     |
| WLAN 5G   |          | 0.791                   |        | 18mm |                        |       |      |                        |                         |                  |                     |
| Ant 0     | Back     | 0.376                   | 1.291  | 18mm | -6.5                   | -78   | -204 | 170.2                  | 1.67                    | 0.01             | Not required        |
| Ant 5     |          | 0.500                   |        | 18mm |                        |       |      |                        |                         |                  |                     |
| WLAN 5G   |          | 0.791                   |        | 18mm | -34                    | 90    | -204 |                        |                         |                  |                     |

**<Extremity>**

| No.1 Band | Position | SAR 10g<br>SAR<br>(W/kg) | Summed | Gap | SAR peak location (mm) |       |      | 3D<br>distance<br>(mm) | Summed<br>SAR<br>(W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
|-----------|----------|--------------------------|--------|-----|------------------------|-------|------|------------------------|-------------------------|------------------|---------------------|
|           |          |                          |        |     | X                      | Y     | Z    |                        |                         |                  |                     |
| Ant 0     | Back     | 2.513                    | 2.963  | 0mm | 3.9                    | -71.6 | -204 | 149.6                  | 5.48                    | 0.09             | Not required        |
| Ant 3     |          | 2.446                    |        | 0mm | 5                      | 78    | -204 |                        |                         |                  |                     |
| WLAN 2.4G |          | 0.496                    |        | 0mm |                        |       |      |                        |                         |                  |                     |
| NFC       |          | 0.021                    |        | 0mm |                        |       |      |                        |                         |                  |                     |
| Ant 0     | Back     | 2.513                    | 2.963  | 0mm | 3.9                    | -71.6 | -204 | 166.4                  | 5.48                    | 0.08             | Not required        |
| Ant 3     |          | 2.446                    |        | 0mm |                        |       |      |                        |                         |                  |                     |
| WLAN 2.4G |          | 0.496                    |        | 0mm | -55                    | 84    | -204 |                        |                         |                  |                     |
| NFC       |          | 0.021                    |        | 0mm |                        |       |      |                        |                         |                  |                     |
| Ant 0     | Back     | 2.513                    | 2.963  | 0mm | 3.9                    | -71.6 | -204 | 150.6                  | 5.48                    | 0.09             | Not required        |
| Ant 3     |          | 2.446                    |        | 0mm |                        |       |      |                        |                         |                  |                     |
| WLAN 2.4G |          | 0.496                    |        | 0mm |                        |       |      |                        |                         |                  |                     |
| NFC       |          | 0.021                    |        | 0mm | 6                      | 79    | -204 |                        |                         |                  |                     |
| No.2 Band | Position | SAR 10g<br>SAR<br>(W/kg) | Summed | Gap | SAR peak location (mm) |       |      | 3D<br>distance<br>(mm) | Summed<br>SAR<br>(W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
|           |          |                          |        |     | X                      | Y     | Z    |                        |                         |                  |                     |
| Ant 0     | Back     | 2.513                    | 2.998  | 0mm | 3.9                    | -71.6 | -204 | 153.7                  | 5.51                    | 0.08             | Not required        |
| Ant 4     |          | 2.481                    |        | 0mm | -10                    | 81.5  | -204 |                        |                         |                  |                     |
| WLAN 2.4G |          | 0.496                    |        | 0mm |                        |       |      |                        |                         |                  |                     |
| NFC       |          | 0.021                    |        | 0mm |                        |       |      |                        |                         |                  |                     |
| Ant 0     | Back     | 2.513                    | 2.998  | 0mm | 3.9                    | -71.6 | -204 | 166.4                  | 5.51                    | 0.08             | Not required        |
| Ant 4     |          | 2.481                    |        | 0mm |                        |       |      |                        |                         |                  |                     |
| WLAN 2.4G |          | 0.496                    |        | 0mm | -55                    | 84    | -204 |                        |                         |                  |                     |
| NFC       |          | 0.021                    |        | 0mm |                        |       |      |                        |                         |                  |                     |
| Ant 0     | Back     | 2.513                    | 2.998  | 0mm | 3.9                    | -71.6 | -204 | 150.6                  | 5.51                    | 0.09             | Not required        |
| Ant 4     |          | 2.481                    |        | 0mm |                        |       |      |                        |                         |                  |                     |
| WLAN 2.4G |          | 0.496                    |        | 0mm |                        |       |      |                        |                         |                  |                     |
| NFC       |          | 0.021                    |        | 0mm | 6                      | 79    | -204 |                        |                         |                  |                     |
| No.3 Band | Position | SAR 10g<br>SAR<br>(W/kg) | Summed | Gap | SAR peak location (mm) |       |      | 3D<br>distance<br>(mm) | Summed<br>SAR<br>(W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
|           |          |                          |        |     | X                      | Y     | Z    |                        |                         |                  |                     |
| Ant 0     | Back     | 2.513                    | 1.682  | 0mm | 3.9                    | -71.6 | -204 | 157.3                  | 4.20                    | 0.05             | Not required        |
| Ant 5     |          | 1.165                    |        | 0mm | -38                    | 80    | -204 |                        |                         |                  |                     |
| WLAN 2.4G |          | 0.496                    |        | 0mm |                        |       |      |                        |                         |                  |                     |
| NFC       |          | 0.021                    |        | 0mm |                        |       |      |                        |                         |                  |                     |
| Ant 0     | Back     | 2.513                    | 1.682  | 0mm | 3.9                    | -71.6 | -204 | 166.4                  | 4.20                    | 0.05             | Not required        |
| Ant 5     |          | 1.165                    |        | 0mm |                        |       |      |                        |                         |                  |                     |
| WLAN 2.4G |          | 0.496                    |        | 0mm | -55                    | 84    | -204 |                        |                         |                  |                     |
| NFC       |          | 0.021                    |        | 0mm |                        |       |      |                        |                         |                  |                     |
| Ant 0     | Back     | 2.513                    | 1.682  | 0mm | 3.9                    | -71.6 | -204 | 150.6                  | 4.20                    | 0.06             | Not required        |
| Ant 5     |          | 1.165                    |        | 0mm |                        |       |      |                        |                         |                  |                     |
| WLAN 2.4G |          | 0.496                    |        | 0mm |                        |       |      |                        |                         |                  |                     |
| NFC       |          | 0.021                    |        | 0mm | 6                      | 79    | -204 |                        |                         |                  |                     |
| No.4 Band | Position | SAR 10g<br>SAR<br>(W/kg) | Summed | Gap | SAR peak location (mm) |       |      | 3D<br>distance<br>(mm) | Summed<br>SAR<br>(W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
|           |          |                          |        |     | X                      | Y     | Z    |                        |                         |                  |                     |
| Ant 1     | Back     | 3.207                    | 2.963  | 0mm | -35                    | -71   | -204 | 154.3                  | 6.17                    | 0.10             | Not required        |
| Ant 3     |          | 2.446                    |        | 0mm | 5                      | 78    | -204 |                        |                         |                  |                     |
| WLAN 2.4G |          | 0.496                    |        | 0mm |                        |       |      |                        |                         |                  |                     |
| NFC       |          | 0.021                    |        | 0mm |                        |       |      |                        |                         |                  |                     |
| Ant 1     | Back     | 3.207                    | 2.963  | 0mm | -35                    | -71   | -204 | 156.3                  | 6.17                    | 0.10             | Not required        |
| Ant 3     |          | 2.446                    |        | 0mm |                        |       |      |                        |                         |                  |                     |
| WLAN 2.4G |          | 0.496                    |        | 0mm | -55                    | 84    | -204 |                        |                         |                  |                     |
| NFC       |          | 0.021                    |        | 0mm |                        |       |      |                        |                         |                  |                     |
| Ant 1     | Back     | 3.207                    | 2.963  | 0mm | -35                    | -71   | -204 | 155.5                  | 6.17                    | 0.10             | Not required        |
| Ant 3     |          | 2.446                    |        | 0mm |                        |       |      |                        |                         |                  |                     |



| WLAN 2.4G |          | 0.496                    |        | 0mm |                        |      |      |                        |                         |                  |                     |
|-----------|----------|--------------------------|--------|-----|------------------------|------|------|------------------------|-------------------------|------------------|---------------------|
| NFC       |          | 0.021                    |        | 0mm | 6                      | 79   | -204 |                        |                         |                  |                     |
| No.5 Band | Position | SAR 10g<br>SAR<br>(W/kg) | Summed | Gap | SAR peak location (mm) |      |      | 3D<br>distance<br>(mm) | Summed<br>SAR<br>(W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
|           |          |                          |        |     | X                      | Y    | Z    |                        |                         |                  |                     |
| Ant 1     | Back     | 3.207                    | 3.207  | 0mm | -35                    | -71  | -204 | 154.5                  | 6.21                    | 0.10             | Not required        |
| Ant 4     |          | 2.481                    | 2.998  | 0mm | -10                    | 81.5 | -204 |                        |                         |                  |                     |
| WLAN 2.4G |          | 0.496                    |        | 0mm |                        |      |      |                        |                         |                  |                     |
| NFC       |          | 0.021                    |        | 0mm |                        |      |      |                        |                         |                  |                     |
| Ant 1     | Back     | 3.207                    | 3.207  | 0mm | -35                    | -71  | -204 | 156.3                  | 6.21                    | 0.10             | Not required        |
| Ant 4     |          | 2.481                    | 2.998  | 0mm |                        |      |      |                        |                         |                  |                     |
| WLAN 2.4G |          | 0.496                    |        | 0mm | -55                    | 84   | -204 |                        |                         |                  |                     |
| NFC       |          | 0.021                    |        | 0mm |                        |      |      |                        |                         |                  |                     |
| Ant 1     | Back     | 3.207                    | 3.207  | 0mm | -35                    | -71  | -204 | 155.5                  | 6.21                    | 0.10             | Not required        |
| Ant 4     |          | 2.481                    | 2.998  | 0mm |                        |      |      |                        |                         |                  |                     |
| WLAN 2.4G |          | 0.496                    |        | 0mm |                        |      |      |                        |                         |                  |                     |
| NFC       |          | 0.021                    |        | 0mm | 6                      | 79   | -204 |                        |                         |                  |                     |
| No.6 Band | Position | SAR 10g<br>SAR<br>(W/kg) | Summed | Gap | SAR peak location (mm) |      |      | 3D<br>distance<br>(mm) | Summed<br>SAR<br>(W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
|           |          |                          |        |     | X                      | Y    | Z    |                        |                         |                  |                     |
| Ant 1     | Back     | 3.207                    | 3.207  | 0mm | -35                    | -71  | -204 | 151.0                  | 4.89                    | 0.07             | Not required        |
| Ant 5     |          | 1.165                    | 1.682  | 0mm | -38                    | 80   | -204 |                        |                         |                  |                     |
| WLAN 2.4G |          | 0.496                    |        | 0mm |                        |      |      |                        |                         |                  |                     |
| NFC       |          | 0.021                    |        | 0mm |                        |      |      |                        |                         |                  |                     |
| Ant 1     | Back     | 3.207                    | 3.207  | 0mm | -35                    | -71  | -204 | 156.3                  | 4.89                    | 0.07             | Not required        |
| Ant 5     |          | 1.165                    | 1.682  | 0mm |                        |      |      |                        |                         |                  |                     |
| WLAN 2.4G |          | 0.496                    |        | 0mm | -55                    | 84   | -204 |                        |                         |                  |                     |
| NFC       |          | 0.021                    |        | 0mm |                        |      |      |                        |                         |                  |                     |
| Ant 1     | Back     | 3.207                    | 3.207  | 0mm | -35                    | -71  | -204 | 155.5                  | 4.89                    | 0.07             | Not required        |
| Ant 5     |          | 1.165                    | 1.682  | 0mm |                        |      |      |                        |                         |                  |                     |
| WLAN 2.4G |          | 0.496                    |        | 0mm |                        |      |      |                        |                         |                  |                     |
| NFC       |          | 0.021                    |        | 0mm | 6                      | 79   | -204 |                        |                         |                  |                     |
| No.7 Band | Position | SAR 10g<br>SAR<br>(W/kg) | Summed | Gap | SAR peak location (mm) |      |      | 3D<br>distance<br>(mm) | Summed<br>SAR<br>(W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
|           |          |                          |        |     | X                      | Y    | Z    |                        |                         |                  |                     |
| Ant 9     | Back     | 1.784                    | 1.784  | 0mm | -64                    | -70  | -204 | 163.3                  | 4.75                    | 0.06             | Not required        |
| Ant 3     |          | 2.446                    | 2.963  | 0mm | 5                      | 78   | -204 |                        |                         |                  |                     |
| WLAN 2.4G |          | 0.496                    |        | 0mm |                        |      |      |                        |                         |                  |                     |
| NFC       |          | 0.021                    |        | 0mm |                        |      |      |                        |                         |                  |                     |
| Ant 9     | Back     | 1.784                    | 1.784  | 0mm | -64                    | -70  | -204 | 154.3                  | 4.75                    | 0.07             | Not required        |
| Ant 3     |          | 2.446                    | 2.963  | 0mm |                        |      |      |                        |                         |                  |                     |
| WLAN 2.4G |          | 0.496                    |        | 0mm | -55                    | 84   | -204 |                        |                         |                  |                     |
| NFC       |          | 0.021                    |        | 0mm |                        |      |      |                        |                         |                  |                     |
| Ant 9     | Back     | 1.784                    | 1.784  | 0mm | -64                    | -70  | -204 | 164.6                  | 4.75                    | 0.06             | Not required        |
| Ant 3     |          | 2.446                    | 2.963  | 0mm |                        |      |      |                        |                         |                  |                     |
| WLAN 2.4G |          | 0.496                    |        | 0mm |                        |      |      |                        |                         |                  |                     |
| NFC       |          | 0.021                    |        | 0mm | 6                      | 79   | -204 |                        |                         |                  |                     |
| No.8 Band | Position | SAR 10g<br>SAR<br>(W/kg) | Summed | Gap | SAR peak location (mm) |      |      | 3D<br>distance<br>(mm) | Summed<br>SAR<br>(W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
|           |          |                          |        |     | X                      | Y    | Z    |                        |                         |                  |                     |
| Ant 9     | Back     | 1.784                    | 1.784  | 0mm | -64                    | -70  | -204 | 160.8                  | 4.78                    | 0.07             | Not required        |
| Ant 4     |          | 2.481                    | 2.998  | 0mm | -10                    | 81.5 | -204 |                        |                         |                  |                     |
| WLAN 2.4G |          | 0.496                    |        | 0mm |                        |      |      |                        |                         |                  |                     |
| NFC       |          | 0.021                    |        | 0mm |                        |      |      |                        |                         |                  |                     |
| Ant 9     | Back     | 1.784                    | 1.784  | 0mm | -64                    | -70  | -204 | 154.3                  | 4.78                    | 0.07             | Not required        |
| Ant 4     |          | 2.481                    | 2.998  | 0mm |                        |      |      |                        |                         |                  |                     |
| WLAN 2.4G |          | 0.496                    |        | 0mm | -55                    | 84   | -204 |                        |                         |                  |                     |
| NFC       |          | 0.021                    |        | 0mm |                        |      |      |                        |                         |                  |                     |
| Ant 9     | Back     | 1.784                    | 1.784  | 0mm | -64                    | -70  | -204 | 164.6                  | 4.78                    | 0.06             | Not required        |
| Ant 4     |          | 2.481                    | 2.998  | 0mm |                        |      |      |                        |                         |                  |                     |



|           |  |       |  |     |   |    |      |  |  |  |  |
|-----------|--|-------|--|-----|---|----|------|--|--|--|--|
| WLAN 2.4G |  | 0.496 |  | 0mm |   |    |      |  |  |  |  |
| NFC       |  | 0.021 |  | 0mm | 6 | 79 | -204 |  |  |  |  |

| No.9 Band | Position   | SAR 10g<br>SAR<br>(W/kg) | Summed | Gap | SAR peak location (mm) |       |      | 3D<br>distance<br>(mm) | Summed<br>SAR<br>(W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
|-----------|------------|--------------------------|--------|-----|------------------------|-------|------|------------------------|-------------------------|------------------|---------------------|
|           |            |                          |        |     | X                      | Y     | Z    |                        |                         |                  |                     |
| Ant 9     | Right Side | 2.101                    | 3.422  | 0mm | -31.4                  | 69    | -204 | 137.1                  | 5.52                    | 0.09             | Not required        |
| Ant 7     |            | 2.466                    |        | 0mm | -25                    | -68   | -204 |                        |                         |                  |                     |
| WLAN 2.4G |            | 0.955                    |        | 0mm |                        |       |      |                        |                         |                  |                     |
| NFC       |            | 0.001                    |        | 0mm |                        |       |      |                        |                         |                  |                     |
| Ant 9     | Right Side | 2.101                    | 3.422  | 0mm | -31.4                  | 69    | -204 | 136.1                  | 5.52                    | 0.10             | Not required        |
| Ant 7     |            | 2.466                    |        | 0mm |                        |       |      |                        |                         |                  |                     |
| WLAN 2.4G |            | 0.955                    |        | 0mm | -25.8                  | -67   | -204 |                        |                         |                  |                     |
| NFC       |            | 0.001                    |        | 0mm |                        |       |      |                        |                         |                  |                     |
| Ant 9     | Right Side | 2.101                    | 3.422  | 0mm | -31.4                  | 69    | -204 | 136.6                  | 5.52                    | 0.10             | Not required        |
| Ant 7     |            | 2.466                    |        | 0mm |                        |       |      |                        |                         |                  |                     |
| WLAN 2.4G |            | 0.955                    |        | 0mm |                        |       |      |                        |                         |                  |                     |
| NFC       |            | 0.001                    |        | 0mm | -25.5                  | -67.5 | -204 |                        |                         |                  |                     |

**17.7 Maximum Reported SAR and SAR Peak Locations****General Note:**

1. The maximum reported SAR and SAR Peak Locations corresponding to each position of each frequency band of each antenna in the below tables are as follows.
2. The unit of SAR evaluation is W/kg. The unit of x, y, z with Axis evaluation is mm.

**<Head>**

| Left Cheek  |            |       |       |        |         |       |        |       |       |        |      |       |        |       |       |        |
|-------------|------------|-------|-------|--------|---------|-------|--------|-------|-------|--------|------|-------|--------|-------|-------|--------|
| Band        |            | Ant0  |       |        | Ant1    |       |        | Ant5  |       |        | Ant7 |       |        | Ant9  |       |        |
| GSM850      | SAR (W/kg) | 0.251 |       |        |         |       |        |       |       |        |      |       |        |       |       |        |
|             | Axis       | 55    | 256.8 | -172.7 |         |       |        |       |       |        |      |       |        |       |       |        |
| GSM1900     | SAR (W/kg) |       |       |        | < 0.001 |       |        |       |       |        |      |       |        |       |       |        |
|             | Axis       |       |       |        | 60.9    | 258.1 | -171.3 |       |       |        |      |       |        |       |       |        |
| WCDMA II    | SAR (W/kg) |       |       |        | 0.149   |       |        |       |       |        |      |       |        |       |       |        |
|             | Axis       |       |       |        | 60.8    | 258.5 | -171.3 |       |       |        |      |       |        |       |       |        |
| WCDMA IV    | SAR (W/kg) |       |       |        | 0.183   |       |        |       |       |        |      |       |        |       |       |        |
|             | Axis       |       |       |        | 59.2    | 247.9 | -170.2 |       |       |        |      |       |        |       |       |        |
| WCDMA V     | SAR (W/kg) | 0.27  |       |        |         |       |        |       |       |        |      |       |        |       |       |        |
|             | Axis       | 56    | 255.4 | -172.5 |         |       |        |       |       |        |      |       |        |       |       |        |
| LTE Band 12 | SAR (W/kg) | 0.178 |       |        |         |       |        |       |       |        |      |       |        |       |       |        |
|             | Axis       | 58.9  | 257.9 | -171.9 |         |       |        |       |       |        |      |       |        |       |       |        |
| LTE Band 13 | SAR (W/kg) | 0.262 |       |        |         |       |        |       |       |        |      |       |        |       |       |        |
|             | Axis       | 57.6  | 255.6 | -171.5 |         |       |        |       |       |        |      |       |        |       |       |        |
| LTE Band 25 | SAR (W/kg) |       |       |        | 0.12    |       |        |       |       |        |      |       |        |       |       |        |
|             | Axis       |       |       |        | 60.6    | 249.5 | -171.3 |       |       |        |      |       |        |       |       |        |
| LTE Band 26 | SAR (W/kg) | 0.19  |       |        |         |       |        |       |       |        |      |       |        |       |       |        |
|             | Axis       | 54.6  | 256.4 | -172.1 |         |       |        |       |       |        |      |       |        |       |       |        |
| LTE Band 66 | SAR (W/kg) |       |       |        | 0.171   |       |        |       |       |        |      |       |        |       |       |        |
|             | Axis       |       |       |        | 59.6    | 248.6 | -170   |       |       |        |      |       |        |       |       |        |
| LTE Band 7  | SAR (W/kg) |       |       |        | 0.146   |       |        |       |       |        |      |       |        |       |       |        |
|             | Axis       |       |       |        | 62.1    | 249.2 | -171.1 |       |       |        |      |       |        |       |       |        |
| LTE Band 41 | SAR (W/kg) |       |       |        | 0.082   |       |        |       |       |        |      |       |        |       |       |        |
|             | Axis       |       |       |        | 62.6    | 248.5 | -171.3 |       |       |        |      |       |        |       |       |        |
| LTE Band 42 | SAR (W/kg) |       |       |        |         |       |        | 0.727 |       |        |      |       |        |       |       |        |
|             | Axis       |       |       |        |         |       |        | 13.6  | 325.3 | -171.1 |      |       |        |       |       |        |
| FR1 n2      | SAR (W/kg) |       |       |        | 0.098   |       |        |       |       |        |      |       |        |       |       |        |
|             | Axis       |       |       |        | 60.8    | 247.8 | -171.3 |       |       |        |      |       |        |       |       |        |
| FR1 n26     | SAR (W/kg) | 0.141 |       |        |         |       |        |       |       |        |      |       |        |       |       |        |
|             | Axis       | 54.6  | 256.4 | -172.1 |         |       |        |       |       |        |      |       |        |       |       |        |
| FR1 n66     | SAR (W/kg) |       |       |        | 0.118   |       |        |       |       |        |      |       |        |       |       |        |
|             | Axis       |       |       |        | 59.8    | 248.6 | -170   |       |       |        |      |       |        |       |       |        |
| FR1 n7      | SAR (W/kg) |       |       |        | 0.109   |       |        |       |       |        |      |       |        |       |       |        |
|             | Axis       |       |       |        | 62.9    | 248.9 | -171.1 |       |       |        |      |       |        |       |       |        |
| FR1 n78     | SAR (W/kg) |       |       |        |         |       |        | 0.757 |       |        | 0.89 |       |        | 0.131 |       |        |
|             | Axis       |       |       |        |         |       |        | 6.1   | 324.1 | -170.3 | 34   | 337.2 | -171.1 | 60.9  | 273.1 | -171.7 |

|                      |            |       |       |        |
|----------------------|------------|-------|-------|--------|
| WLAN2.4GHz<br>Ant6+8 | SAR (W/kg) | 0.378 |       |        |
|                      | Axis       | 25.7  | 328.6 | -171.7 |

|                    |            |       |       |        |
|--------------------|------------|-------|-------|--------|
| WLAN5GHz<br>Ant5+8 | SAR (W/kg) | 0.393 |       |        |
|                    | Axis       | 49.6  | 324.6 | -171.5 |

|                    |            |       |       |        |
|--------------------|------------|-------|-------|--------|
| WLAN6GHz<br>Ant5+8 | SAR (W/kg) | 0.181 |       |        |
|                    | Axis       | 3.6   | 317.6 | -169.9 |



|         |            |       |       |        |
|---------|------------|-------|-------|--------|
| BT Ant6 | SAR (W/kg) | 0.253 |       |        |
|         | Axis       | 26.1  | 327.2 | -171.8 |

|         |            |       |       |        |
|---------|------------|-------|-------|--------|
| BT Ant8 | SAR (W/kg) | 0.149 |       |        |
|         | Axis       | 58    | 321.8 | -170.6 |

| Left Tilted |            |       |       |        |         |       |        |       |       |      |       |              |  |
|-------------|------------|-------|-------|--------|---------|-------|--------|-------|-------|------|-------|--------------|--|
| Band        |            | Ant0  |       |        | Ant1    |       |        | Ant5  |       |      | Ant9  |              |  |
| GSM850      | SAR (W/kg) | 0.138 |       |        |         |       |        |       |       |      |       |              |  |
|             | Axis       | 39.5  | 272.8 | -173.3 |         |       |        |       |       |      |       |              |  |
| GSM1900     | SAR (W/kg) |       |       |        | < 0.001 |       |        |       |       |      |       |              |  |
|             | Axis       |       |       |        | 28.6    | 269.2 | -172   |       |       |      |       |              |  |
| WCDMA II    | SAR (W/kg) |       |       |        | 0.088   |       |        |       |       |      |       |              |  |
|             | Axis       |       |       |        | 28.1    | 270.2 | -172   |       |       |      |       |              |  |
| WCDMA IV    | SAR (W/kg) |       |       |        | 0.077   |       |        |       |       |      |       |              |  |
|             | Axis       |       |       |        | 12.6    | 262.2 | -170.8 |       |       |      |       |              |  |
| WCDMA V     | SAR (W/kg) | 0.151 |       |        |         |       |        |       |       |      |       |              |  |
|             | Axis       | 39.2  | 271.6 | -173.3 |         |       |        |       |       |      |       |              |  |
| LTE Band 12 | SAR (W/kg) | 0.104 |       |        |         |       |        |       |       |      |       |              |  |
|             | Axis       | 41.6  | 270.3 | -173.4 |         |       |        |       |       |      |       |              |  |
| LTE Band 13 | SAR (W/kg) | 0.162 |       |        |         |       |        |       |       |      |       |              |  |
|             | Axis       | 41.8  | 271.1 | -173.4 |         |       |        |       |       |      |       |              |  |
| LTE Band 25 | SAR (W/kg) |       |       |        | 0.1     |       |        |       |       |      |       |              |  |
|             | Axis       |       |       |        | 28.8    | 270   | -172   |       |       |      |       |              |  |
| LTE Band 26 | SAR (W/kg) | 0.104 |       |        |         |       |        |       |       |      |       |              |  |
|             | Axis       | 39.8  | 273.1 | -173.3 |         |       |        |       |       |      |       |              |  |
| LTE Band 66 | SAR (W/kg) |       |       |        | 0.081   |       |        |       |       |      |       |              |  |
|             | Axis       |       |       |        | 12.8    | 268.9 | -170.8 |       |       |      |       |              |  |
| LTE Band 7  | SAR (W/kg) |       |       |        | 0.12    |       |        |       |       |      |       |              |  |
|             | Axis       |       |       |        | 30.5    | 271.9 | -172   |       |       |      |       |              |  |
| LTE Band 41 | SAR (W/kg) |       |       |        | 0.065   |       |        |       |       |      |       |              |  |
|             | Axis       |       |       |        | 30.2    | 270.2 | -172   |       |       |      |       |              |  |
| LTE Band 42 | SAR (W/kg) |       |       |        |         |       |        | 0.892 |       |      |       |              |  |
|             | Axis       |       |       |        |         |       |        | 12.8  | 325.8 | -171 |       |              |  |
| FR1 n2      | SAR (W/kg) |       |       |        | 0.059   |       |        |       |       |      |       |              |  |
|             | Axis       |       |       |        | 27.5    | 271   | -172   |       |       |      |       |              |  |
| FR1 n26     | SAR (W/kg) | 0.08  |       |        |         |       |        |       |       |      |       |              |  |
|             | Axis       | 38.5  | 273.3 | -173.3 |         |       |        |       |       |      |       |              |  |
| FR1 n66     | SAR (W/kg) |       |       |        | 0.062   |       |        |       |       |      |       |              |  |
|             | Axis       |       |       |        | 12.9    | 268.2 | -170.8 |       |       |      |       |              |  |
| FR1 n7      | SAR (W/kg) |       |       |        | 0.086   |       |        |       |       |      |       |              |  |
|             | Axis       |       |       |        | 30.6    | 270.2 | -172   |       |       |      |       |              |  |
| FR1 n78     | SAR (W/kg) |       |       |        |         |       |        | 0.882 |       |      | 0.188 |              |  |
|             | Axis       |       |       |        |         |       |        | 3.4   | 323.4 | -170 | 24.5  | 270.4 -171.6 |  |

|                      |            |       |       |        |
|----------------------|------------|-------|-------|--------|
| WLAN2.4GHz<br>Ant6+8 | SAR (W/kg) | 0.301 |       |        |
|                      | Axis       | 22.7  | 329.2 | -171.5 |

|                    |            |       |       |        |
|--------------------|------------|-------|-------|--------|
| WLAN5GHz<br>Ant5+8 | SAR (W/kg) | 0.381 |       |        |
|                    | Axis       | -1    | 325.8 | -169.2 |

|                    |            |       |       |      |
|--------------------|------------|-------|-------|------|
| WLAN6GHz<br>Ant5+8 | SAR (W/kg) | 0.359 |       |      |
|                    | Axis       | 4     | 318.3 | -170 |

|         |            |       |       |        |
|---------|------------|-------|-------|--------|
| BT Ant6 | SAR (W/kg) | 0.231 |       |        |
|         | Axis       | 20.1  | 330.7 | -171.3 |

|         |            |       |       |        |
|---------|------------|-------|-------|--------|
| BT Ant8 | SAR (W/kg) | 0.125 |       |        |
|         | Axis       | 33.1  | 335.5 | -171.3 |



## &lt;Hotspot&gt;

| Front       |            |       |       |      |       |      |      |       |    |      |       |         |
|-------------|------------|-------|-------|------|-------|------|------|-------|----|------|-------|---------|
| Band        |            | Ant1  |       |      | Ant4  |      |      | Ant5  |    |      | Ant7  |         |
| GSM850      | SAR (W/kg) |       |       |      |       |      |      |       |    |      |       |         |
|             | Axis       |       |       |      |       |      |      |       |    |      |       |         |
| GSM1900     | SAR (W/kg) | 0.973 |       |      |       |      |      |       |    |      |       |         |
|             | Axis       | 3.6   | -86.5 | -204 |       |      |      |       |    |      |       |         |
| WCDMA II    | SAR (W/kg) | 0.656 |       |      |       |      |      |       |    |      |       |         |
|             | Axis       | 3.2   | -87.2 | -204 |       |      |      |       |    |      |       |         |
| WCDMA IV    | SAR (W/kg) | 0.784 |       |      |       |      |      |       |    |      |       |         |
|             | Axis       | 3.9   | -87.6 | -204 |       |      |      |       |    |      |       |         |
| WCDMA V     | SAR (W/kg) |       |       |      |       |      |      |       |    |      |       |         |
|             | Axis       |       |       |      |       |      |      |       |    |      |       |         |
| LTE Band 12 | SAR (W/kg) |       |       |      |       |      |      |       |    |      |       |         |
|             | Axis       |       |       |      |       |      |      |       |    |      |       |         |
| LTE Band 13 | SAR (W/kg) |       |       |      |       |      |      |       |    |      |       |         |
|             | Axis       |       |       |      |       |      |      |       |    |      |       |         |
| LTE Band 25 | SAR (W/kg) | 0.705 |       |      | 0.243 |      |      |       |    |      |       |         |
|             | Axis       | 3.5   | -87   | -204 | -52   | 75   | -204 |       |    |      |       |         |
| LTE Band 26 | SAR (W/kg) |       |       |      | 0.25  |      |      |       |    |      |       |         |
|             | Axis       |       |       |      | -47.5 | 78   | -204 |       |    |      |       |         |
| LTE Band 66 | SAR (W/kg) | 0.661 |       |      | 0.214 |      |      |       |    |      |       |         |
|             | Axis       | 3.5   | -87   | -204 | -53.5 | 88.5 | -204 |       |    |      |       |         |
| LTE Band 7  | SAR (W/kg) | 1.041 |       |      | 0.195 |      |      |       |    |      |       |         |
|             | Axis       | 3     | -79   | -204 | -54   | 89   | -204 |       |    |      |       |         |
| LTE Band 41 | SAR (W/kg) | 0.76  |       |      | 0.185 |      |      |       |    |      |       |         |
|             | Axis       | 3     | -79   | -204 | -52.2 | 89.2 | -204 |       |    |      |       |         |
| LTE Band 42 | SAR (W/kg) |       |       |      |       |      |      | 0.171 |    |      |       |         |
|             | Axis       |       |       |      |       |      |      | -15   | 89 | -204 |       |         |
| FR1 n2      | SAR (W/kg) | 0.67  |       |      | 0.182 |      |      |       |    |      |       |         |
|             | Axis       | 3.2   | -86.2 | -204 | -52.5 | 74.2 | -204 |       |    |      |       |         |
| FR1 n26     | SAR (W/kg) |       |       |      | 0.215 |      |      |       |    |      |       |         |
|             | Axis       |       |       |      | -48   | 78.2 | -204 |       |    |      |       |         |
| FR1 n66     | SAR (W/kg) | 0.838 |       |      | 0.215 |      |      |       |    |      |       |         |
|             | Axis       | 3.3   | -85.6 | -204 | -53.6 | 88.1 | -204 |       |    |      |       |         |
| FR1 n7      | SAR (W/kg) | 0.729 |       |      | 0.182 |      |      |       |    |      |       |         |
|             | Axis       | 3.1   | -78.4 | -204 | -52.6 | 89.9 | -204 |       |    |      |       |         |
| FR1 n78     | SAR (W/kg) |       |       |      |       |      |      | 0.188 |    |      | 0.196 |         |
|             | Axis       |       |       |      |       |      |      | -15   | 89 | -204 | 10    | 71 -204 |

|                   |            |       |    |      |
|-------------------|------------|-------|----|------|
| WLAN2.4GHz Ant6+8 | SAR (W/kg) | 0.276 |    |      |
|                   | Axis       | 13    | 40 | -204 |

|                 |            |       |    |      |
|-----------------|------------|-------|----|------|
| WLAN5GHz Ant5+8 | SAR (W/kg) | 0.299 |    |      |
|                 | Axis       | -25   | 89 | -204 |

|         |            |       |    |      |
|---------|------------|-------|----|------|
| BT Ant6 | SAR (W/kg) | 0.139 |    |      |
|         | Axis       | 3     | 78 | -204 |

|         |            |       |    |      |
|---------|------------|-------|----|------|
| BT Ant8 | SAR (W/kg) | 0.131 |    |      |
|         | Axis       | 15    | 33 | -204 |



| Back        |            |       |       |      |       |       |      |       |      |      |       |    |      |       |    |      |       |     |      |
|-------------|------------|-------|-------|------|-------|-------|------|-------|------|------|-------|----|------|-------|----|------|-------|-----|------|
| Band        |            | Ant0  |       |      | Ant1  |       |      | Ant4  |      |      | Ant5  |    |      | Ant7  |    |      | Ant3  |     |      |
| GSM850      | SAR (W/kg) | 1.066 |       |      |       |       |      |       |      |      |       |    |      |       |    |      |       |     |      |
|             | Axis       | -5.2  | -74.6 | -204 |       |       |      |       |      |      |       |    |      |       |    |      |       |     |      |
| GSM1900     | SAR (W/kg) |       |       |      | 1.044 |       |      |       |      |      |       |    |      |       |    |      |       |     |      |
|             | Axis       |       |       |      | -47   | -78.5 | -204 |       |      |      |       |    |      |       |    |      |       |     |      |
| WCDMA II    | SAR (W/kg) |       |       |      | 0.89  |       |      |       |      |      |       |    |      |       |    |      |       |     |      |
|             | Axis       |       |       |      | -47.9 | -78.2 | -204 |       |      |      |       |    |      |       |    |      |       |     |      |
| WCDMA IV    | SAR (W/kg) |       |       |      | 0.988 |       |      |       |      |      |       |    |      |       |    |      |       |     |      |
|             | Axis       |       |       |      | -41   | -85.2 | -204 |       |      |      |       |    |      |       |    |      |       |     |      |
| WCDMA V     | SAR (W/kg) | 1.296 |       |      |       |       |      |       |      |      |       |    |      |       |    |      |       |     |      |
|             | Axis       | -5.9  | -74   | -204 |       |       |      |       |      |      |       |    |      |       |    |      |       |     |      |
| LTE Band 12 | SAR (W/kg) | 0.922 |       |      |       |       |      |       |      |      |       |    |      |       |    |      |       |     |      |
|             | Axis       | 17    | -73.5 | -204 |       |       |      |       |      |      |       |    |      |       |    |      |       |     |      |
| LTE Band 13 | SAR (W/kg) | 1.112 |       |      |       |       |      |       |      |      |       |    |      |       |    |      |       |     |      |
|             | Axis       | 17.5  | -73.2 | -204 |       |       |      |       |      |      |       |    |      |       |    |      |       |     |      |
| LTE Band 25 | SAR (W/kg) |       |       |      | 0.959 |       |      | 0.621 |      |      |       |    |      |       |    |      |       |     |      |
|             | Axis       |       |       |      | -47.5 | -78   | -204 | -10   | 73.5 | -204 |       |    |      |       |    |      |       |     |      |
| LTE Band 26 | SAR (W/kg) | 1.206 |       |      |       |       |      | 0.618 |      |      |       |    |      |       |    |      |       |     |      |
|             | Axis       | -5.5  | -73.5 | -204 |       |       |      | -8.5  | 75   | -204 |       |    |      |       |    |      |       |     |      |
| LTE Band 66 | SAR (W/kg) |       |       |      | 0.98  |       |      | 0.628 |      |      |       |    |      |       |    |      |       |     |      |
|             | Axis       |       |       |      | -41.5 | -84   | -204 | -8.5  | 85.5 | -204 |       |    |      |       |    |      |       |     |      |
| LTE Band 7  | SAR (W/kg) |       |       |      | 1.247 |       |      | 0.617 |      |      |       |    |      |       |    |      |       |     |      |
|             | Axis       |       |       |      | -34   | -71   | -204 | -5    | 81   | -204 |       |    |      |       |    |      |       |     |      |
| LTE Band 41 | SAR (W/kg) |       |       |      | 0.974 |       |      | 0.627 |      |      |       |    |      |       |    |      |       |     |      |
|             | Axis       |       |       |      | -34.5 | -70.6 | -204 | -5.5  | 81.3 | -204 |       |    |      |       |    |      |       |     |      |
| LTE Band 42 | SAR (W/kg) |       |       |      |       |       |      |       |      |      | 0.646 |    |      |       |    |      |       |     |      |
|             | Axis       |       |       |      |       |       |      |       |      |      | -36   | 87 | -204 |       |    |      |       |     |      |
| FR1 n2      | SAR (W/kg) |       |       |      | 0.974 |       |      | 0.615 |      |      |       |    |      |       |    |      |       |     |      |
|             | Axis       |       |       |      | -47   | -78.6 | -204 | -10.5 | 73   | -204 |       |    |      |       |    |      |       |     |      |
| FR1 n26     | SAR (W/kg) | 0.882 |       |      |       |       |      | 0.625 |      |      |       |    |      |       |    |      |       |     |      |
|             | Axis       | -5    | -73   | -204 |       |       |      | -8    | 75.6 | -204 |       |    |      |       |    |      |       |     |      |
| FR1 n66     | SAR (W/kg) |       |       |      | 1.042 |       |      | 0.622 |      |      |       |    |      |       |    |      |       |     |      |
|             | Axis       |       |       |      | -41.1 | -84.5 | -204 | -9    | 85   | -204 |       |    |      |       |    |      |       |     |      |
| FR1 n7      | SAR (W/kg) |       |       |      | 0.998 |       |      | 0.63  |      |      |       |    |      |       |    |      |       |     |      |
|             | Axis       |       |       |      | -34.5 | -71.5 | -204 | -5.6  | 81.5 | -204 |       |    |      |       |    |      |       |     |      |
| FR1 n78     | SAR (W/kg) |       |       |      |       |       |      |       |      |      | 0.45  |    |      | 0.447 |    |      | 0.627 |     |      |
|             | Axis       |       |       |      |       |       |      |       |      |      | -38   | 80 | -204 | -65   | 62 | -204 | 5     | 60  | -204 |
|             |            |       |       |      |       |       |      |       |      |      |       |    |      |       |    |      | -63   | -71 | -204 |

|                      |            |       |    |      |
|----------------------|------------|-------|----|------|
| WLAN2.4GHz<br>Ant6+8 | SAR (W/kg) | 0.671 |    |      |
|                      | Axis       | -55   | 69 | -204 |

|                    |            |       |    |      |
|--------------------|------------|-------|----|------|
| WLAN5GHz<br>Ant5+8 | SAR (W/kg) | 0.533 |    |      |
|                    | Axis       | -35   | 83 | -204 |

|         |            |       |    |      |
|---------|------------|-------|----|------|
| BT Ant6 | SAR (W/kg) | 0.286 |    |      |
|         | Axis       | -54   | 79 | -204 |

|         |            |       |    |      |
|---------|------------|-------|----|------|
| BT Ant8 | SAR (W/kg) | 0.268 |    |      |
|         | Axis       | -63   | 49 | -204 |



| Right Side  |            |       |      |      |       |      |      |         |     |      |       |       |      |       |     |      |       |     |      |
|-------------|------------|-------|------|------|-------|------|------|---------|-----|------|-------|-------|------|-------|-----|------|-------|-----|------|
| Band        |            | Ant0  |      |      | Ant1  |      |      | Ant3    |     |      | Ant4  |       |      | Ant5  |     |      | Ant7  |     |      |
| GSM850      | SAR (W/kg) | 0.107 |      |      |       |      |      |         |     |      |       |       |      |       |     |      |       |     |      |
|             | Axis       | -30.3 | 25.5 | -204 |       |      |      |         |     |      |       |       |      |       |     |      |       |     |      |
| GSM1900     | SAR (W/kg) |       |      |      | 0.267 |      |      |         |     |      |       |       |      |       |     |      |       |     |      |
|             | Axis       |       |      |      | -29   | 71   | -204 |         |     |      |       |       |      |       |     |      |       |     |      |
| WCDMA II    | SAR (W/kg) |       |      |      | 0.164 |      |      |         |     |      |       |       |      |       |     |      |       |     |      |
|             | Axis       |       |      |      | -29.8 | 72.1 | -204 |         |     |      |       |       |      |       |     |      |       |     |      |
| WCDMA IV    | SAR (W/kg) |       |      |      | 0.214 |      |      |         |     |      |       |       |      |       |     |      |       |     |      |
|             | Axis       |       |      |      | -29.3 | 69.5 | -204 |         |     |      |       |       |      |       |     |      |       |     |      |
| WCDMA V     | SAR (W/kg) | 0.126 |      |      |       |      |      |         |     |      |       |       |      |       |     |      |       |     |      |
|             | Axis       | -31   | 23.7 | -204 |       |      |      |         |     |      |       |       |      |       |     |      |       |     |      |
| LTE Band 12 | SAR (W/kg) | 0.165 |      |      |       |      |      |         |     |      |       |       |      |       |     |      |       |     |      |
|             | Axis       | -31.4 | 22.8 | -204 |       |      |      |         |     |      |       |       |      |       |     |      |       |     |      |
| LTE Band 13 | SAR (W/kg) | 0.231 |      |      |       |      |      |         |     |      |       |       |      |       |     |      |       |     |      |
|             | Axis       | -31.4 | 23.5 | -204 |       |      |      |         |     |      |       |       |      |       |     |      |       |     |      |
| LTE Band 25 | SAR (W/kg) |       |      |      | 0.228 |      |      |         |     |      | 0.061 |       |      |       |     |      |       |     |      |
|             | Axis       |       |      |      | -29   | 72   | -204 |         |     |      | -30.6 | -34.5 | -204 |       |     |      |       |     |      |
| LTE Band 26 | SAR (W/kg) | 0.114 |      |      |       |      |      |         |     |      | 0.074 |       |      |       |     |      |       |     |      |
|             | Axis       | -31.4 | 25.8 | -204 |       |      |      |         |     |      | -29.8 | -25.5 | -204 |       |     |      |       |     |      |
| LTE Band 66 | SAR (W/kg) |       |      |      | 0.217 |      |      |         |     |      | 0.034 |       |      |       |     |      |       |     |      |
|             | Axis       |       |      |      | -29.8 | 69   | -204 |         |     |      | -30.6 | -37.5 | -204 |       |     |      |       |     |      |
| LTE Band 7  | SAR (W/kg) |       |      |      | 0.237 |      |      |         |     |      | 0.026 |       |      |       |     |      |       |     |      |
|             | Axis       |       |      |      | -32.2 | 50   | -204 |         |     |      | -36.2 | -81   | -204 |       |     |      |       |     |      |
| LTE Band 41 | SAR (W/kg) |       |      |      | 0.173 |      |      |         |     |      | 0.038 |       |      |       |     |      |       |     |      |
|             | Axis       |       |      |      | -31.4 | 61   | -204 |         |     |      | -35.4 | -78   | -204 |       |     |      |       |     |      |
| LTE Band 42 | SAR (W/kg) |       |      |      |       |      |      |         |     |      |       |       |      | 0.036 |     |      |       |     |      |
|             | Axis       |       |      |      |       |      |      |         |     |      |       |       |      | 31.4  | -49 | -204 |       |     |      |
| FR1 n2      | SAR (W/kg) |       |      |      | 0.24  |      |      |         |     |      | 0.05  |       |      |       |     |      |       |     |      |
|             | Axis       |       |      |      | -29.2 | 71.8 | -204 |         |     |      | -30.2 | -34.9 | -204 |       |     |      |       |     |      |
| FR1 n26     | SAR (W/kg) | 0.086 |      |      |       |      |      |         |     |      | 0.076 |       |      |       |     |      |       |     |      |
|             | Axis       | -31.9 | 25.5 | -204 |       |      |      |         |     |      | -29.5 | -25.9 | -204 |       |     |      |       |     |      |
| FR1 n66     | SAR (W/kg) |       |      |      | 0.269 |      |      |         |     |      | 0.029 |       |      |       |     |      |       |     |      |
|             | Axis       |       |      |      | -29.5 | 69   | -204 |         |     |      | -30   | -37   | -204 |       |     |      |       |     |      |
| FR1 n7      | SAR (W/kg) |       |      |      | 0.203 |      |      |         |     |      | 0.027 |       |      |       |     |      |       |     |      |
|             | Axis       |       |      |      | -32   | 50.2 | -204 |         |     |      | -36   | -81.3 | -204 |       |     |      |       |     |      |
| FR1 n78     | SAR (W/kg) |       |      |      |       |      |      | < 0.001 |     |      |       |       |      | 0.084 |     |      | 0.627 |     |      |
|             | Axis       |       |      |      |       |      |      | -27.4   | -74 | -204 |       |       |      | -25   | -64 | -204 | -25   | -69 | -204 |

|                   |            |       |     |      |
|-------------------|------------|-------|-----|------|
| WLAN2.4GHz Ant6+8 | SAR (W/kg) | 0.487 |     |      |
|                   | Axis       | -26.6 | -43 | -204 |

|                 |            |       |     |      |
|-----------------|------------|-------|-----|------|
| WLAN5GHz Ant5+8 | SAR (W/kg) | 0.565 |     |      |
|                 | Axis       | -25.8 | -61 | -204 |

|         |            |       |     |      |
|---------|------------|-------|-----|------|
| BT Ant6 | SAR (W/kg) | 0.054 |     |      |
|         | Axis       | -21   | -54 | -204 |

|         |            |       |     |      |
|---------|------------|-------|-----|------|
| BT Ant8 | SAR (W/kg) | 0.259 |     |      |
|         | Axis       | -25.8 | -45 | -204 |



## &lt;Body-worn&gt;

| Front       |            |       |       |      |       |      |      |       |    |      |      |         |
|-------------|------------|-------|-------|------|-------|------|------|-------|----|------|------|---------|
| Band        |            | Ant1  |       |      | Ant4  |      |      | Ant5  |    |      | Ant7 |         |
| GSM850      | SAR (W/kg) |       |       |      |       |      |      |       |    |      |      |         |
|             | Axis       |       |       |      |       |      |      |       |    |      |      |         |
| GSM1900     | SAR (W/kg) | 0.973 |       |      |       |      |      |       |    |      |      |         |
|             | Axis       | 3.6   | -86.5 | -204 |       |      |      |       |    |      |      |         |
| WCDMA II    | SAR (W/kg) | 0.964 |       |      |       |      |      |       |    |      |      |         |
|             | Axis       | 3.2   | -87.2 | -204 |       |      |      |       |    |      |      |         |
| WCDMA IV    | SAR (W/kg) | 1.012 |       |      |       |      |      |       |    |      |      |         |
|             | Axis       | 3.9   | -87.6 | -204 |       |      |      |       |    |      |      |         |
| WCDMA V     | SAR (W/kg) |       |       |      |       |      |      |       |    |      |      |         |
|             | Axis       |       |       |      |       |      |      |       |    |      |      |         |
| LTE Band 12 | SAR (W/kg) |       |       |      |       |      |      |       |    |      |      |         |
|             | Axis       |       |       |      |       |      |      |       |    |      |      |         |
| LTE Band 13 | SAR (W/kg) |       |       |      |       |      |      |       |    |      |      |         |
|             | Axis       |       |       |      |       |      |      |       |    |      |      |         |
| LTE Band 25 | SAR (W/kg) | 0.997 |       |      | 0.346 |      |      |       |    |      |      |         |
|             | Axis       | 3.5   | -87   | -204 | -52   | 75   | -204 |       |    |      |      |         |
| LTE Band 26 | SAR (W/kg) |       |       |      | 0.356 |      |      |       |    |      |      |         |
|             | Axis       |       |       |      | -47.5 | 78   | -204 |       |    |      |      |         |
| LTE Band 66 | SAR (W/kg) | 0.883 |       |      | 0.291 |      |      |       |    |      |      |         |
|             | Axis       | 3.5   | -87   | -204 | -53.5 | 88.5 | -204 |       |    |      |      |         |
| LTE Band 7  | SAR (W/kg) | 1.029 |       |      | 0.286 |      |      |       |    |      |      |         |
|             | Axis       | 3     | -79   | -204 | -54   | 89   | -204 |       |    |      |      |         |
| LTE Band 41 | SAR (W/kg) | 0.938 |       |      | 0.262 |      |      |       |    |      |      |         |
|             | Axis       | 3     | -79   | -204 | -52.2 | 89.2 | -204 |       |    |      |      |         |
| LTE Band 42 | SAR (W/kg) |       |       |      |       |      |      | 0.228 |    |      |      |         |
|             | Axis       |       |       |      |       |      |      | -15   | 89 | -204 |      |         |
| FR1 n2      | SAR (W/kg) | 1.056 |       |      | 0.262 |      |      |       |    |      |      |         |
|             | Axis       | 3.2   | -86.2 | -204 | -52.5 | 74.2 | -204 |       |    |      |      |         |
| FR1 n26     | SAR (W/kg) |       |       |      | 0.306 |      |      |       |    |      |      |         |
|             | Axis       |       |       |      | -48   | 78.2 | -204 |       |    |      |      |         |
| FR1 n66     | SAR (W/kg) | 1.034 |       |      | 0.324 |      |      |       |    |      |      |         |
|             | Axis       | 3.3   | -85.6 | -204 | -53.6 | 88.1 | -204 |       |    |      |      |         |
| FR1 n7      | SAR (W/kg) | 0.927 |       |      | 0.257 |      |      |       |    |      |      |         |
|             | Axis       | 3.1   | -78.4 | -204 | -52.6 | 89.9 | -204 |       |    |      |      |         |
| FR1 n78     | SAR (W/kg) |       |       |      |       |      |      | 0.359 |    |      | 0.39 |         |
|             | Axis       |       |       |      |       |      |      | -15   | 89 | -204 | 10   | 71 -204 |

|                      |               |      |    |      |
|----------------------|---------------|------|----|------|
| WLAN2.4GHz<br>Ant6+8 | SAR<br>(W/kg) | 0.18 |    |      |
|                      | Axis          | 13   | 40 | -204 |

|                    |               |       |    |      |
|--------------------|---------------|-------|----|------|
| WLAN5GHz<br>Ant5+8 | SAR<br>(W/kg) | 0.245 |    |      |
|                    | Axis          | -25   | 89 | -204 |

|                    |               |       |      |      |
|--------------------|---------------|-------|------|------|
| WLAN6GHz<br>Ant5+8 | SAR<br>(W/kg) | 0.096 |      |      |
|                    | Axis          | -25   | 85.9 | -204 |

|         |               |       |    |      |
|---------|---------------|-------|----|------|
| BT Ant6 | SAR<br>(W/kg) | 0.139 |    |      |
|         | Axis          | 3     | 78 | -204 |

|         |               |       |    |      |
|---------|---------------|-------|----|------|
| BT Ant8 | SAR<br>(W/kg) | 0.131 |    |      |
|         | Axis          | 15    | 33 | -204 |



| Back        |            |       |       |      |       |       |      |       |      |      |       |    |      |       |    |      |       |    |       |     |     |
|-------------|------------|-------|-------|------|-------|-------|------|-------|------|------|-------|----|------|-------|----|------|-------|----|-------|-----|-----|
| Band        |            | Ant0  |       |      | Ant1  |       |      | Ant4  |      |      | Ant5  |    |      | Ant7  |    |      | Ant3  |    | Ant9  |     |     |
| GSM850      | SAR (W/kg) | 1.066 |       |      |       |       |      |       |      |      |       |    |      |       |    |      |       |    |       |     |     |
|             | Axis       | -5.2  | -74.6 | -204 |       |       |      |       |      |      |       |    |      |       |    |      |       |    |       |     |     |
| GSM1900     | SAR (W/kg) |       |       |      | 1.044 |       |      |       |      |      |       |    |      |       |    |      |       |    |       |     |     |
|             | Axis       |       |       |      | -47   | -78.5 | -204 |       |      |      |       |    |      |       |    |      |       |    |       |     |     |
| WCDMA II    | SAR (W/kg) |       |       |      | 1.266 |       |      |       |      |      |       |    |      |       |    |      |       |    |       |     |     |
|             | Axis       |       |       |      | -47.9 | -78.2 | -204 |       |      |      |       |    |      |       |    |      |       |    |       |     |     |
| WCDMA IV    | SAR (W/kg) |       |       |      |       |       |      |       |      |      |       |    |      |       |    |      |       |    |       |     |     |
|             | Axis       |       |       |      | -41   | -85.2 | -204 |       |      |      |       |    |      |       |    |      |       |    |       |     |     |
| WCDMA V     | SAR (W/kg) | 1.26  |       |      |       |       |      |       |      |      |       |    |      |       |    |      |       |    |       |     |     |
|             | Axis       | -5.9  | -74   | -204 |       |       |      |       |      |      |       |    |      |       |    |      |       |    |       |     |     |
| LTE Band 12 | SAR (W/kg) | 0.922 |       |      |       |       |      |       |      |      |       |    |      |       |    |      |       |    |       |     |     |
|             | Axis       | 17    | -73.5 | -204 |       |       |      |       |      |      |       |    |      |       |    |      |       |    |       |     |     |
| LTE Band 13 | SAR (W/kg) | 1.112 |       |      |       |       |      |       |      |      |       |    |      |       |    |      |       |    |       |     |     |
|             | Axis       | 17.5  | -73.2 | -204 |       |       |      |       |      |      |       |    |      |       |    |      |       |    |       |     |     |
| LTE Band 25 | SAR (W/kg) |       |       |      | 1.285 |       |      | 0.888 |      |      |       |    |      |       |    |      |       |    |       |     |     |
|             | Axis       |       |       |      | -47.5 | -78   | -204 | -10   | 73.5 | -204 |       |    |      |       |    |      |       |    |       |     |     |
| LTE Band 26 | SAR (W/kg) | 1.206 |       |      |       |       |      | 0.884 |      |      |       |    |      |       |    |      |       |    |       |     |     |
|             | Axis       | -5.5  | -73.5 | -204 |       |       |      | -8.5  | 75   | -204 |       |    |      |       |    |      |       |    |       |     |     |
| LTE Band 66 | SAR (W/kg) |       |       |      | 1.277 |       |      | 0.864 |      |      |       |    |      |       |    |      |       |    |       |     |     |
|             | Axis       |       |       |      | -41.5 | -84   | -204 | -8.5  | 85.5 | -204 |       |    |      |       |    |      |       |    |       |     |     |
| LTE Band 7  | SAR (W/kg) |       |       |      | 1.264 |       |      | 0.866 |      |      |       |    |      |       |    |      |       |    |       |     |     |
|             | Axis       |       |       |      | -34   | -71   | -204 | -5    | 81   | -204 |       |    |      |       |    |      |       |    |       |     |     |
| LTE Band 41 | SAR (W/kg) |       |       |      | 1.203 |       |      | 0.886 |      |      |       |    |      |       |    |      |       |    |       |     |     |
|             | Axis       |       |       |      | -34.5 | -70.6 | -204 | -5.5  | 81.3 | -204 |       |    |      |       |    |      |       |    |       |     |     |
| LTE Band 42 | SAR (W/kg) |       |       |      |       |       |      |       |      |      | 0.875 |    |      |       |    |      |       |    |       |     |     |
|             | Axis       |       |       |      |       |       |      |       |      |      | -36   | 87 | -204 |       |    |      |       |    |       |     |     |
| FR1 n2      | SAR (W/kg) |       |       |      | 1.296 |       |      | 0.888 |      |      |       |    |      |       |    |      |       |    |       |     |     |
|             | Axis       |       |       |      | -47   | -78.6 | -204 | -10.5 | 73   | -204 |       |    |      |       |    |      |       |    |       |     |     |
| FR1 n26     | SAR (W/kg) | 0.856 |       |      |       |       |      | 0.889 |      |      |       |    |      |       |    |      |       |    |       |     |     |
|             | Axis       | -5    | -73   | -204 |       |       |      | -8    | 75.6 | -204 |       |    |      |       |    |      |       |    |       |     |     |
| FR1 n66     | SAR (W/kg) |       |       |      | 1.289 |       |      | 0.891 |      |      |       |    |      |       |    |      |       |    |       |     |     |
|             | Axis       |       |       |      | -41.1 | -84.5 | -204 | -9    | 85   | -204 |       |    |      |       |    |      |       |    |       |     |     |
| FR1 n7      | SAR (W/kg) |       |       |      | 1.268 |       |      | 0.882 |      |      |       |    |      |       |    |      |       |    |       |     |     |
|             | Axis       |       |       |      | -34.5 | -71.5 | -204 | -5.6  | 81.5 | -204 |       |    |      |       |    |      |       |    |       |     |     |
| FR1 n78     | SAR (W/kg) |       |       |      |       |       |      |       |      |      | 0.858 |    |      | 0.892 |    |      | 0.891 |    | 0.871 |     |     |
|             | Axis       |       |       |      |       |       |      |       |      |      | -38   | 80 | -204 | -65   | 62 | -204 | 5     | 60 | -204  | -63 | -71 |

|                      |            |      |    |      |
|----------------------|------------|------|----|------|
| WLAN2.4GHz<br>Ant6+8 | SAR (W/kg) | 0.38 |    |      |
|                      | Axis       | -55  | 69 | -204 |

|                    |            |       |    |      |
|--------------------|------------|-------|----|------|
| WLAN5GHz<br>Ant5+8 | SAR (W/kg) | 0.392 |    |      |
|                    | Axis       | -35   | 83 | -204 |

|                    |            |       |      |      |
|--------------------|------------|-------|------|------|
| WLAN6GHz<br>Ant5+8 | SAR (W/kg) | 0.371 |      |      |
|                    | Axis       | -41.1 | 84.2 | -204 |

|         |            |       |    |      |
|---------|------------|-------|----|------|
| BT Ant6 | SAR (W/kg) | 0.259 |    |      |
|         | Axis       | -54   | 79 | -204 |

|         |            |       |    |      |
|---------|------------|-------|----|------|
| BT Ant8 | SAR (W/kg) | 0.253 |    |      |
|         | Axis       | -63   | 49 | -204 |



## Sensor Off

| Back        |            |       |       |      |       |      |      |      |         |
|-------------|------------|-------|-------|------|-------|------|------|------|---------|
| Band        |            | Ant1  |       |      | Ant4  |      |      | Ant5 |         |
| GSM850      | SAR (W/kg) |       |       |      |       |      |      |      |         |
|             | Axis       |       |       |      |       |      |      |      |         |
| GSM1900     | SAR (W/kg) |       |       |      |       |      |      |      |         |
|             | Axis       |       |       |      |       |      |      |      |         |
| WCDMA II    | SAR (W/kg) | 0.339 |       |      |       |      |      |      |         |
|             | Axis       | -40   | -72.5 | -204 |       |      |      |      |         |
| WCDMA IV    | SAR (W/kg) | 0.386 |       |      |       |      |      |      |         |
|             | Axis       | -38.5 | -73   | -204 |       |      |      |      |         |
| WCDMA V     | SAR (W/kg) |       |       |      |       |      |      |      |         |
|             | Axis       |       |       |      |       |      |      |      |         |
| LTE Band 12 | SAR (W/kg) |       |       |      |       |      |      |      |         |
|             | Axis       |       |       |      |       |      |      |      |         |
| LTE Band 13 | SAR (W/kg) |       |       |      |       |      |      |      |         |
|             | Axis       |       |       |      |       |      |      |      |         |
| LTE Band 25 | SAR (W/kg) | 0.353 |       |      | 0.413 |      |      |      |         |
|             | Axis       | -40   | -73.5 | -204 | -37   | 73.5 | -204 |      |         |
| LTE Band 26 | SAR (W/kg) |       |       |      | 0.167 |      |      |      |         |
|             | Axis       |       |       |      | -11.5 | 73.5 | -204 |      |         |
| LTE Band 66 | SAR (W/kg) | 0.35  |       |      | 0.421 |      |      |      |         |
|             | Axis       | -29.5 | -73.5 | -204 | -10   | 87   | -204 |      |         |
| LTE Band 7  | SAR (W/kg) | 0.265 |       |      | 0.654 |      |      |      |         |
|             | Axis       | -8    | -69   | -204 | -6    | 83   | -204 |      |         |
| LTE Band 41 | SAR (W/kg) |       |       |      | 0.403 |      |      |      |         |
|             | Axis       |       |       |      | -25   | 76   | -204 |      |         |
| LTE Band 42 | SAR (W/kg) |       |       |      |       |      |      | 0.5  |         |
|             | Axis       |       |       |      |       |      |      | -41  | 92 -204 |
| FR1 n2      | SAR (W/kg) | 0.23  |       |      | 0.308 |      |      |      |         |
|             | Axis       | -38   | -73   | -204 | -37.5 | 74   | -204 |      |         |
| FR1 n26     | SAR (W/kg) |       |       |      | 0.123 |      |      |      |         |
|             | Axis       |       |       |      | -12   | 74.5 | -204 |      |         |
| FR1 n66     | SAR (W/kg) | 0.227 |       |      | 0.306 |      |      |      |         |
|             | Axis       | -31.5 | -74   | -204 | -10   | 85   | -204 |      |         |
| FR1 n7      | SAR (W/kg) | 0.211 |       |      | 0.414 |      |      |      |         |
|             | Axis       | -15   | -72   | -204 | -20   | 78   | -204 |      |         |
| FR1 n78     | SAR (W/kg) |       |       |      |       |      |      | 0.42 |         |
|             | Axis       |       |       |      |       |      |      | -47  | 87 -204 |

|                   |            |       |    |      |
|-------------------|------------|-------|----|------|
| WLAN2.4GHz Ant6+8 | SAR (W/kg) | 0.269 |    |      |
|                   | Axis       | -54   | 77 | -204 |

|                 |            |       |    |      |
|-----------------|------------|-------|----|------|
| WLAN5GHz Ant5+8 | SAR (W/kg) | 0.791 |    |      |
|                 | Axis       | -34   | 90 | -204 |

## &lt;Extremity&gt;

| Back     |            |       |  |  |       |       |      |      |  |  |      |  |  |      |  |
|----------|------------|-------|--|--|-------|-------|------|------|--|--|------|--|--|------|--|
| Band     |            | Ant0  |  |  | Ant1  |       |      | Ant4 |  |  | Ant5 |  |  | Ant3 |  |
| GSM850   | SAR (W/kg) |       |  |  |       |       |      |      |  |  |      |  |  |      |  |
|          | Axis       |       |  |  |       |       |      |      |  |  |      |  |  |      |  |
| GSM1900  | SAR (W/kg) |       |  |  |       |       |      |      |  |  |      |  |  |      |  |
|          | Axis       |       |  |  |       |       |      |      |  |  |      |  |  |      |  |
| WCDMA II | SAR (W/kg) |       |  |  | 1.588 |       |      |      |  |  |      |  |  |      |  |
|          | Axis       |       |  |  | -40.2 | -73.6 | -204 |      |  |  |      |  |  |      |  |
| WCDMA IV | SAR (W/kg) |       |  |  | 2.776 |       |      |      |  |  |      |  |  |      |  |
|          | Axis       |       |  |  | -41.6 | -75.5 | -204 |      |  |  |      |  |  |      |  |
| WCDMA V  | SAR        | 2.513 |  |  |       |       |      |      |  |  |      |  |  |      |  |



# FCC SAR Test Report

Report No. : FA471919

|             |            |      |       |      |       |       |      |       |      |      |       |    |      |       |    |      |       |     |      |
|-------------|------------|------|-------|------|-------|-------|------|-------|------|------|-------|----|------|-------|----|------|-------|-----|------|
|             | (W/kg)     |      |       |      |       |       |      |       |      |      |       |    |      |       |    |      |       |     |      |
|             | Axis       | 3.9  | -71.6 | -204 |       |       |      |       |      |      |       |    |      |       |    |      |       |     |      |
| LTE Band 12 | SAR (W/kg) |      |       |      |       |       |      |       |      |      |       |    |      |       |    |      |       |     |      |
|             | Axis       |      |       |      |       |       |      |       |      |      |       |    |      |       |    |      |       |     |      |
| LTE Band 13 | SAR (W/kg) |      |       |      |       |       |      |       |      |      |       |    |      |       |    |      |       |     |      |
|             | Axis       |      |       |      |       |       |      |       |      |      |       |    |      |       |    |      |       |     |      |
| LTE Band 25 | SAR (W/kg) |      |       |      | 3.07  |       |      | 2.187 |      |      |       |    |      |       |    |      |       |     |      |
|             | Axis       |      |       |      | -40   | -73.5 | -204 | -10   | 83.5 | -204 |       |    |      |       |    |      |       |     |      |
| LTE Band 26 | SAR (W/kg) | 2.21 |       |      |       |       |      |       |      |      |       |    |      |       |    |      |       |     |      |
|             | Axis       | 3.5  | -72   | -204 |       |       |      |       |      |      |       |    |      |       |    |      |       |     |      |
| LTE Band 66 | SAR (W/kg) |      |       |      | 3.207 |       |      | 2.481 |      |      |       |    |      |       |    |      |       |     |      |
|             | Axis       |      |       |      | -41.5 | -75   | -204 | -10   | 82.2 | -204 |       |    |      |       |    |      |       |     |      |
| LTE Band 7  | SAR (W/kg) |      |       |      | 1.696 |       |      | 2.334 |      |      |       |    |      |       |    |      |       |     |      |
|             | Axis       |      |       |      | -35   | -71   | -204 | -6    | 82   | -204 |       |    |      |       |    |      |       |     |      |
| LTE Band 41 | SAR (W/kg) |      |       |      |       |       |      | 2.312 |      |      |       |    |      |       |    |      |       |     |      |
|             | Axis       |      |       |      |       |       |      | -6    | 82   | -204 |       |    |      |       |    |      |       |     |      |
| LTE Band 42 | SAR (W/kg) |      |       |      |       |       |      |       |      |      | 1.165 |    |      |       |    |      |       |     |      |
|             | Axis       |      |       |      |       |       |      |       |      |      | -38   | 80 | -204 |       |    |      |       |     |      |
| FR1 n2      | SAR (W/kg) |      |       |      | 1.987 |       |      | 2.452 |      |      |       |    |      |       |    |      |       |     |      |
|             | Axis       |      |       |      | -40.2 | -73.6 | -204 | -10   | 83   | -204 |       |    |      |       |    |      |       |     |      |
| FR1 n26     | SAR (W/kg) |      |       |      |       |       |      |       |      |      |       |    |      |       |    |      |       |     |      |
|             | Axis       |      |       |      |       |       |      |       |      |      |       |    |      |       |    |      |       |     |      |
| FR1 n66     | SAR (W/kg) |      |       |      | 2.448 |       |      | 2.469 |      |      |       |    |      |       |    |      |       |     |      |
|             | Axis       |      |       |      | -42   | -75.2 | -204 | -10   | 81.5 | -204 |       |    |      |       |    |      |       |     |      |
| FR1 n7      | SAR (W/kg) |      |       |      |       |       |      | 1.97  |      |      |       |    |      |       |    |      |       |     |      |
|             | Axis       |      |       |      |       |       |      | -6.5  | 83.4 | -204 |       |    |      |       |    |      |       |     |      |
| FR1 n78     | SAR (W/kg) |      |       |      |       |       |      |       |      |      | 1.157 |    |      | 2.446 |    |      | 1.784 |     |      |
|             | Axis       |      |       |      |       |       |      |       |      |      | -35   | 83 | -207 | 5     | 78 | -204 | -64   | -70 | -204 |

|                      |            |       |    |      |
|----------------------|------------|-------|----|------|
| WLAN2.4GHz<br>Ant6+8 | SAR (W/kg) | 0.496 |    |      |
|                      | Axis       | -55   | 84 | -204 |

|                    |            |       |    |      |
|--------------------|------------|-------|----|------|
| WLAN5GHz<br>Ant5+8 | SAR (W/kg) | 0.256 |    |      |
|                    | Axis       | -34   | 82 | -204 |

|                    |            |       |      |      |
|--------------------|------------|-------|------|------|
| WLAN6GHz<br>Ant5+8 | SAR (W/kg) | 0.186 |      |      |
|                    | Axis       | -40.3 | 85.9 | -204 |

|     |            |       |    |      |
|-----|------------|-------|----|------|
| NFC | SAR (W/kg) | 0.021 |    |      |
|     | Axis       | 6     | 79 | -204 |

| Right Side |  |  |            |  |  |       |     |      |
|------------|--|--|------------|--|--|-------|-----|------|
| Band       |  |  | SAR (W/kg) |  |  | Ant7  |     |      |
| FR1 n78    |  |  | 2.466      |  |  | 2.101 |     |      |
|            |  |  | Axis       |  |  | -25   | -68 | -204 |
|            |  |  |            |  |  | -31.4 | 69  | -204 |

|                      |            |       |     |      |
|----------------------|------------|-------|-----|------|
| WLAN2.4GHz<br>Ant6+8 | SAR (W/kg) | 0.955 |     |      |
|                      | Axis       | -25.8 | -50 | -204 |

|                    |            |       |     |      |
|--------------------|------------|-------|-----|------|
| WLAN5GHz<br>Ant5+8 | SAR (W/kg) | 0.603 |     |      |
|                    | Axis       | -25   | -65 | -204 |

|                    |            |       |     |      |
|--------------------|------------|-------|-----|------|
| WLAN6GHz<br>Ant5+8 | SAR (W/kg) | 0.294 |     |      |
|                    | Axis       | -24.2 | -68 | -204 |

|     |            |       |       |      |
|-----|------------|-------|-------|------|
| NFC | SAR (W/kg) | 0.001 |       |      |
|     | Axis       | -25.5 | -67.5 | -204 |

## **18. Supplemental Tuner Tests Results**

### **General Note:**

1. This device implements impedance tuner (208 states) antenna tuning techniques in the LTE Band 5/12/13/17/26, and 5GNR n5/26 for ANT0.
2. LTE B17 / B5 SAR test was covered by LTE B12 / B26; according to April 2015 TCB workshop, SAR test for overlapping LTE bands can be reduced.
3. 5GNR n26 SAR test was covered by 5GNR n5; according to April 2015 TCB workshop, SAR test for overlapping NR bands can be reduced.
4. Per 2019, April TCBC Workshop titled "RF Exposure Procedures", the following test procedure was followed to demonstrate that the SAR results in this report represent the appropriate SAR test conditions.
  - 1) SAR is measured according to required procedures with dynamic tuner active allowing device to automatically tune. Auto-tune state determined by device during normal SAR measurement verified and listed alongside the reported SAR results.
  - 2) Total number tuner states divided evenly among each supported band / air interface and exposure condition combination.
  - 3) The tuner state was established remotely through Wi-Fi so that the device is not moved for the entire series of single point SAR for the tuner states in each combination (band, mode, exposure conditions).
  - 4) Single point measurements performed at the peak SAR location of the highest measured SAR configuration for each combination. SAR probe remains stationary throughout the entire series of single point measurements for each combination.
  - 5) If any single point SAR measurement result is  $> 1.2$  W/kg for 1gSAR (or  $> 3.0$  W/kg for 10gSAR) for a band/exposure condition combination set, all supported tuner states are evaluated with single point SAR measurements for the combination.
5. The above test procedures were followed to demonstrate that the SAR results in Section 16 represented the appropriate SAR test conditions. For bands with dynamic tuning implemented, SAR will be measured according to the required FCC SAR test procedures with the dynamic tuner active to allow the device to automatically tune to the antenna state for the respective RF exposure test configurations. Additional single point SAR time-sweep measurements will be evaluated for other tuner states to determine that the other tuner configurations would result in equivalent or lower SAR values.
6. To evaluate all of the tuner states, the 208 tuner states for ANT0 is divided evenly among band, mode and exposure combinations so that at least one single point SAR measurement is measured in each configuration. Single point time-sweep measurements will be performed at the peak SAR location determined by the zoom scan of the configuration with the highest reported SAR for each combination. The tuner state will be established remotely so that the device is not moved for the entire series of single point SAR for the tuner states in each combination. The SAR probe will remain stationary at the same position throughout the entire series of single point measurements for each combination. When the single point SAR or 1g SAR was  $> 1.2$  W/kg or 10g SAR was  $> 3.0$  W/kg for a particular band / mode / exposure condition, point SAR measurements were made for all tuner states.
7. According to KDB 648474 D04 v01r03, in order to reduce the number of SAR tests required to demonstrate compliance for the numerous tuning states, certain SAR screening procedures were considered to identify the higher SAR between body-worn and hotspot scenarios that need normally required SAR measurements and allow SAR test reduction for the lower SAR conditions.
8. According to KDB 648474 D04 v01r03, this design will provide the highest power at different user scenarios and would not influence to the antenna characteristics other than impedance matching. The additional tuner hardware has no influence to the antenna characteristics, other than impedance matching.
9. The operational decryption contains more information about the design and implementation of the dynamic antenna tuning.

### **18.1 Supplemental Tuner Head & Body SAR Results**

Please refer to Appendix G.

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## **19. Uncertainty Assessment**

Per KDB 865664 D01 SAR measurement 100MHz to 6GHz, when the highest measured 1-g SAR within a frequency band is  $< 1.5$  W/kg and the measured 10-g SAR within a frequency band is  $< 3.75$  W/kg. The expanded SAR measurement uncertainty must be  $\leq 30\%$ , for a confidence interval of  $k = 2$ . If these conditions are met, extensive SAR measurement uncertainty analysis described in IEEE Std 1528-2013 is not required in SAR reports submitted for equipment approval. For this device, the highest measured 1-g SAR is less 1.5W/kg and highest measured 10-g SAR is less 3.75W/kg. Therefore, the measurement uncertainty table is not required in this report.

## **20. References**

- [1] FCC 47 CFR Part 2 "Frequency Allocations and Radio Treaty Matters; General Rules and Regulations"
- [2] ANSI/IEEE Std. C95.1-1992, "IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz", September 1992
- [3] IEEE Std. 1528-2013, "IEEE Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques", Sep 2013
- [4] SPEAG DASY System Handbook
- [5] FCC KDB 865664 D01 v01r04, "SAR Measurement Requirements for 100 MHz to 6 GHz", Aug 2015.
- [6] FCC KDB 865664 D02 v01r02, "RF Exposure Compliance Reporting and Documentation Considerations" Oct 2015.
- [7] FCC KDB 648474 D04 v01r03, "SAR Evaluation Considerations for Wireless Handsets", Oct 2015.
- [8] FCC KDB 248227 D01 v02r02, "SAR Guidance for IEEE 802.11 (WiFi) Transmitters", Oct 2015.
- [9] FCC KDB 616217 D04 v01r02, "SAR Evaluation Considerations for Laptop, Notebook, Netbook and Tablet Computers", Oct 2015
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- [11] FCC KDB 941225 D05 v02r05, "SAR Evaluation Considerations for LTE Devices", Dec 2015
- [12] FCC KDB 941225 D05A v01r02, "Rel. 10 LTE SAR Test Guidance and KDB Inquiries", Oct 2015
- [13] FCC KDB 941225 D06 v02r01, "SAR Evaluation Procedures for Portable Devices with Wireless Router Capabilities", Oct 2015.
- [14] FCC KDB 447498 D01 v06, "Mobile and Portable Device RF Exposure Procedures and Equipment Authorization Policies", Oct 2015

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