



# FCC SAR Test Report

Report No. : FA461912

|                   |               |             |       |       |       |       |       |       |       |      |      |      |             |
|-------------------|---------------|-------------|-------|-------|-------|-------|-------|-------|-------|------|------|------|-------------|
|                   |               | Right side  | 0.165 | 0.029 | 0.388 | 0.162 | 0.391 | 0.199 | 0.007 | 0.58 | 0.59 | 0.56 |             |
|                   |               | Top side    | 0.150 |       | 0.388 | 0.162 | 0.391 | 0.199 |       | 0.54 | 0.54 | 0.51 |             |
|                   |               | Bottom side |       | 1.102 |       |       |       |       |       | 1.10 | 1.10 | 1.10 |             |
| LTE Band 12 Ant 1 | FR1 n41 Ant 0 | Front       | 0.199 | 0.501 | 0.388 | 0.162 | 0.391 | 0.199 |       | 1.09 | 1.09 | 1.06 |             |
|                   |               | Back        | 0.226 | 0.853 | 0.388 | 0.162 | 0.391 | 0.199 | 0.006 | 1.47 | 1.48 | 1.44 |             |
|                   |               | Left side   | 0.216 | 0.325 | 0.388 | 0.162 | 0.391 | 0.199 |       | 0.93 | 0.93 | 0.90 |             |
|                   |               | Right side  | 0.140 | 0.029 | 0.388 | 0.162 | 0.391 | 0.199 | 0.007 | 0.56 | 0.57 | 0.53 |             |
|                   |               | Top side    | 0.158 |       | 0.388 | 0.162 | 0.391 | 0.199 |       | 0.55 | 0.55 | 0.52 |             |
|                   |               | Bottom side |       | 1.102 |       |       |       |       |       | 1.10 | 1.10 | 1.10 |             |
| LTE Band 7 Ant 0  | FR1 n2 Ant 5  | Front       | 0.439 | 0.263 | 0.388 | 0.162 | 0.391 | 0.199 |       | 1.09 | 1.09 | 1.06 |             |
|                   |               | Back        | 0.787 | 0.470 | 0.388 | 0.162 | 0.391 | 0.199 | 0.006 | 1.65 | 1.65 | 1.62 | 104,105,106 |
|                   |               | Left side   | 0.152 | 0.047 | 0.388 | 0.162 | 0.391 | 0.199 |       | 0.59 | 0.59 | 0.56 |             |
|                   |               | Right side  | 0.145 | 0.062 | 0.388 | 0.162 | 0.391 | 0.199 | 0.007 | 0.60 | 0.61 | 0.57 |             |
|                   |               | Top side    |       | 0.505 | 0.388 | 0.162 | 0.391 | 0.199 |       | 0.89 | 0.90 | 0.87 |             |
|                   |               | Bottom side | 0.708 |       |       |       |       |       |       | 0.71 | 0.71 | 0.71 |             |
| LTE Band 2 Ant 0  | FR1 n77 Ant 4 | Front       | 0.460 | 0.207 | 0.388 | 0.162 | 0.391 | 0.199 |       | 1.06 | 1.06 | 1.03 |             |
|                   |               | Back        | 0.894 | 0.342 | 0.388 | 0.162 | 0.391 | 0.199 | 0.006 | 1.62 | 1.63 | 1.60 | 107,108,109 |
|                   |               | Left side   | 0.142 | 0.028 | 0.388 | 0.162 | 0.391 | 0.199 |       | 0.56 | 0.56 | 0.53 |             |
|                   |               | Right side  | 0.109 | 0.197 | 0.388 | 0.162 | 0.391 | 0.199 | 0.007 | 0.69 | 0.70 | 0.67 |             |
|                   |               | Top side    |       | 0.154 | 0.388 | 0.162 | 0.391 | 0.199 |       | 0.54 | 0.55 | 0.52 |             |
|                   |               | Bottom side | 0.933 |       |       |       |       |       |       | 0.93 | 0.93 | 0.93 |             |
| LTE Band 5 Ant 1  | FR1 n77 Ant 4 | Front       | 0.263 | 0.207 | 0.388 | 0.162 | 0.391 | 0.199 |       | 0.86 | 0.86 | 0.83 |             |
|                   |               | Back        | 0.398 | 0.342 | 0.388 | 0.162 | 0.391 | 0.199 | 0.006 | 1.13 | 1.14 | 1.10 |             |
|                   |               | Left side   | 0.103 | 0.028 | 0.388 | 0.162 | 0.391 | 0.199 |       | 0.52 | 0.52 | 0.49 |             |
|                   |               | Right side  | 0.088 | 0.197 | 0.388 | 0.162 | 0.391 | 0.199 | 0.007 | 0.67 | 0.68 | 0.65 |             |
|                   |               | Top side    | 0.272 | 0.154 | 0.388 | 0.162 | 0.391 | 0.199 |       | 0.81 | 0.82 | 0.79 |             |
|                   |               | Bottom side |       |       |       |       |       |       |       | 0.00 | 0.00 | 0.00 |             |
| LTE Band 13 Ant 1 | FR1 n77 Ant 4 | Front       | 0.224 | 0.207 | 0.388 | 0.162 | 0.391 | 0.199 |       | 0.82 | 0.82 | 0.79 |             |
|                   |               | Back        | 0.277 | 0.342 | 0.388 | 0.162 | 0.391 | 0.199 | 0.006 | 1.01 | 1.02 | 0.98 |             |
|                   |               | Left side   | 0.155 | 0.028 | 0.388 | 0.162 | 0.391 | 0.199 |       | 0.57 | 0.57 | 0.54 |             |
|                   |               | Right side  | 0.119 | 0.197 | 0.388 | 0.162 | 0.391 | 0.199 | 0.007 | 0.70 | 0.71 | 0.68 |             |
|                   |               | Top side    | 0.218 | 0.154 | 0.388 | 0.162 | 0.391 | 0.199 |       | 0.76 | 0.76 | 0.73 |             |
|                   |               | Bottom side |       |       |       |       |       |       |       | 0.00 | 0.00 | 0.00 |             |
| LTE Band 66 Ant 0 | FR1 n77 Ant 4 | Front       | 0.557 | 0.207 | 0.388 | 0.162 | 0.391 | 0.199 |       | 1.15 | 1.16 | 1.13 |             |
|                   |               | Back        | 1.164 | 0.342 | 0.388 | 0.162 | 0.391 | 0.199 | 0.006 | 1.89 | 1.90 | 1.87 | 110,111,112 |
|                   |               | Left side   | 0.130 | 0.028 | 0.388 | 0.162 | 0.391 | 0.199 |       | 0.55 | 0.55 | 0.52 |             |
|                   |               | Right side  | 0.119 | 0.197 | 0.388 | 0.162 | 0.391 | 0.199 | 0.007 | 0.70 | 0.71 | 0.68 |             |
|                   |               | Top side    |       | 0.154 | 0.388 | 0.162 | 0.391 | 0.199 |       | 0.54 | 0.55 | 0.52 |             |
|                   |               | Bottom side | 1.050 |       |       |       |       |       |       | 1.05 | 1.05 | 1.05 |             |
| LTE Band 12 Ant 1 | FR1 n77 Ant 4 | Front       | 0.199 | 0.207 | 0.388 | 0.162 | 0.391 | 0.199 |       | 0.79 | 0.80 | 0.77 |             |
|                   |               | Back        | 0.226 | 0.342 | 0.388 | 0.162 | 0.391 | 0.199 | 0.006 | 0.96 | 0.97 | 0.93 |             |
|                   |               | Left side   | 0.216 | 0.028 | 0.388 | 0.162 | 0.391 | 0.199 |       | 0.63 | 0.64 | 0.61 |             |
|                   |               | Right side  | 0.140 | 0.197 | 0.388 | 0.162 | 0.391 | 0.199 | 0.007 | 0.73 | 0.74 | 0.70 |             |
|                   |               | Top side    | 0.158 | 0.154 | 0.388 | 0.162 | 0.391 | 0.199 |       | 0.70 | 0.70 | 0.67 |             |
|                   |               | Bottom side |       |       |       |       |       |       |       | 0.00 | 0.00 | 0.00 |             |
| LTE Band 14 Ant 1 | FR1 n77 Ant 4 | Front       | 0.192 | 0.207 | 0.388 | 0.162 | 0.391 | 0.199 |       | 0.79 | 0.79 | 0.76 |             |
|                   |               | Back        | 0.236 | 0.342 | 0.388 | 0.162 | 0.391 | 0.199 | 0.006 | 0.97 | 0.98 | 0.94 |             |
|                   |               | Left side   | 0.111 | 0.028 | 0.388 | 0.162 | 0.391 | 0.199 |       | 0.53 | 0.53 | 0.50 |             |
|                   |               | Right side  | 0.094 | 0.197 | 0.388 | 0.162 | 0.391 | 0.199 | 0.007 | 0.68 | 0.69 | 0.65 |             |
|                   |               | Top side    | 0.186 | 0.154 | 0.388 | 0.162 | 0.391 | 0.199 |       | 0.73 | 0.73 | 0.70 |             |
|                   |               | Bottom side |       |       |       |       |       |       |       | 0.00 | 0.00 | 0.00 |             |
| LTE Band 30 Ant 0 | FR1 n77 Ant 4 | Front       | 0.223 | 0.207 | 0.388 | 0.162 | 0.391 | 0.199 |       | 0.82 | 0.82 | 0.79 |             |
|                   |               | Back        | 1.138 | 0.342 | 0.388 | 0.162 | 0.391 | 0.199 | 0.006 | 1.87 | 1.88 | 1.84 | 113,114,115 |
|                   |               | Left side   |       | 0.028 | 0.388 | 0.162 | 0.391 | 0.199 |       | 0.42 | 0.42 | 0.39 |             |
|                   |               | Right side  | 0.112 | 0.197 | 0.388 | 0.162 | 0.391 | 0.199 | 0.007 | 0.70 | 0.71 | 0.67 |             |
|                   |               | Top side    |       | 0.154 | 0.388 | 0.162 | 0.391 | 0.199 |       | 0.54 | 0.55 | 0.52 |             |



# FCC SAR Test Report

Report No. : FA461912

|                   |               |             |       |       |       |       |       |       |       |      |      |      |             |
|-------------------|---------------|-------------|-------|-------|-------|-------|-------|-------|-------|------|------|------|-------------|
|                   |               | Bottom side | 0.736 |       |       |       |       |       |       | 0.74 | 0.74 | 0.74 |             |
| LTE Band 25 Ant 0 | FR1 n77 Ant 4 | Front       | 0.460 | 0.207 | 0.388 | 0.162 | 0.391 | 0.199 |       | 1.06 | 1.06 | 1.03 |             |
|                   |               | Back        | 0.894 | 0.342 | 0.388 | 0.162 | 0.391 | 0.199 | 0.006 | 1.62 | 1.63 | 1.60 | 116,117,118 |
|                   |               | Left side   | 0.142 | 0.028 | 0.388 | 0.162 | 0.391 | 0.199 |       | 0.56 | 0.56 | 0.53 |             |
|                   |               | Right side  | 0.109 | 0.197 | 0.388 | 0.162 | 0.391 | 0.199 | 0.007 | 0.69 | 0.70 | 0.67 |             |
|                   |               | Top side    |       | 0.154 | 0.388 | 0.162 | 0.391 | 0.199 |       | 0.54 | 0.55 | 0.52 |             |
|                   |               | Bottom side | 0.933 |       |       |       |       |       |       | 0.93 | 0.93 | 0.93 |             |
| LTE Band 66 Ant 0 | FR1 n12 Ant 1 | Front       | 0.557 | 0.140 | 0.388 | 0.162 | 0.391 | 0.199 |       | 1.09 | 1.09 | 1.06 |             |
|                   |               | Back        | 1.164 | 0.174 | 0.388 | 0.162 | 0.391 | 0.199 | 0.006 | 1.73 | 1.74 | 1.70 | 119,120,121 |
|                   |               | Left side   | 0.130 | 0.104 | 0.388 | 0.162 | 0.391 | 0.199 |       | 0.62 | 0.63 | 0.60 |             |
|                   |               | Right side  | 0.119 | 0.059 | 0.388 | 0.162 | 0.391 | 0.199 | 0.007 | 0.57 | 0.58 | 0.54 |             |
|                   |               | Top side    |       | 0.124 | 0.388 | 0.162 | 0.391 | 0.199 |       | 0.51 | 0.52 | 0.49 |             |
|                   |               | Bottom side | 1.050 |       |       |       |       |       |       | 1.05 | 1.05 | 1.05 |             |
| LTE Band 7 Ant 0  | FR1 n5 Ant 1  | Front       | 0.439 | 0.246 | 0.388 | 0.162 | 0.391 | 0.199 |       | 1.07 | 1.08 | 1.05 |             |
|                   |               | Back        | 0.787 | 0.360 | 0.388 | 0.162 | 0.391 | 0.199 | 0.006 | 1.54 | 1.54 | 1.51 |             |
|                   |               | Left side   | 0.152 | 0.156 | 0.388 | 0.162 | 0.391 | 0.199 |       | 0.70 | 0.70 | 0.67 |             |
|                   |               | Right side  | 0.145 | 0.082 | 0.388 | 0.162 | 0.391 | 0.199 | 0.007 | 0.62 | 0.63 | 0.59 |             |
|                   |               | Top side    |       | 0.267 | 0.388 | 0.162 | 0.391 | 0.199 |       | 0.66 | 0.66 | 0.63 |             |
|                   |               | Bottom side | 0.708 |       |       |       |       |       |       | 0.71 | 0.71 | 0.71 |             |
| LTE Band 66 Ant 0 | FR1 n25 Ant 5 | Front       | 0.557 | 0.263 | 0.388 | 0.162 | 0.391 | 0.199 |       | 1.21 | 1.21 | 1.18 |             |
|                   |               | Back        | 1.164 | 0.470 | 0.388 | 0.162 | 0.391 | 0.199 | 0.006 | 2.02 | 2.03 | 2.00 | 122,123,124 |
|                   |               | Left side   | 0.130 | 0.047 | 0.388 | 0.162 | 0.391 | 0.199 |       | 0.57 | 0.57 | 0.54 |             |
|                   |               | Right side  | 0.119 | 0.062 | 0.388 | 0.162 | 0.391 | 0.199 | 0.007 | 0.57 | 0.58 | 0.54 |             |
|                   |               | Top side    |       | 0.505 | 0.388 | 0.162 | 0.391 | 0.199 |       | 0.89 | 0.90 | 0.87 |             |
|                   |               | Bottom side | 1.050 |       |       |       |       |       |       | 1.05 | 1.05 | 1.05 |             |

**16.3 Body-Worn Accessory Exposure Conditions**

| Exposure Position | 1                           | 2                           | 3                  | 1+3           | 2+3           |
|-------------------|-----------------------------|-----------------------------|--------------------|---------------|---------------|
|                   | WLAN5GHz Ant 6+7<br>Non DBS | WLAN6GHz Ant 6+7<br>Non DBS | Bluetooth<br>Ant 6 | Summed        | Summed        |
|                   | 1g SAR<br>(W/kg)            | 1g SAR<br>(W/kg)            | 1g SAR<br>(W/kg)   | 1g SAR (W/kg) | 1g SAR (W/kg) |
| Front             | 0.452                       | 0.041                       |                    | 0.45          | 0.04          |
| Back              | 1.181                       | 0.189                       | 0.006              | 1.19          | 0.20          |

| WWAN Band          | Exposure Position | 1                        | 2                                                    | 3                                                | 4                                                  | 5                                              | 6                                                  | 7                                              | 8                                      | 1+2                        | 1+4+8                      | 1+6+8                      | 1+3+5                      | 1+3+7                      | SPLSR   |
|--------------------|-------------------|--------------------------|------------------------------------------------------|--------------------------------------------------|----------------------------------------------------|------------------------------------------------|----------------------------------------------------|------------------------------------------------|----------------------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|---------|
|                    |                   | WWAN<br>1g SAR<br>(W/kg) | WLAN2.4GHz<br>Ant 6+7<br>Non DBS<br>1g SAR<br>(W/kg) | WLAN2.4GHz<br>Ant 6+7<br>DBS<br>1g SAR<br>(W/kg) | WLAN5GHz<br>Ant 6+7<br>Non DBS<br>1g SAR<br>(W/kg) | WLAN5GHz<br>Ant 6+7<br>DBS<br>1g SAR<br>(W/kg) | WLAN6GHz<br>Ant 6+7<br>Non DBS<br>1g SAR<br>(W/kg) | WLAN6GHz<br>Ant 6+7<br>DBS<br>1g SAR<br>(W/kg) | Bluetooth<br>Ant 6<br>1g SAR<br>(W/kg) | Summed<br>1g SAR<br>(W/kg) | Summed<br>1g SAR<br>(W/kg) | Summed<br>1g SAR<br>(W/kg) | Summed<br>1g SAR<br>(W/kg) | Summed<br>1g SAR<br>(W/kg) |         |
| WCDMA II Ant 0     | Front             | 0.593                    | 0.392                                                | 0.180                                            | 0.397                                              | 0.199                                          | 0.041                                              | 0.041                                          |                                        | 0.99                       | 0.99                       | 0.63                       | 0.97                       | 0.81                       |         |
|                    | Back              | 1.061                    | 0.392                                                | 0.180                                            | 0.397                                              | 0.199                                          | 0.189                                              | 0.189                                          | 0.006                                  | 1.45                       | 1.46                       | 1.26                       | 1.44                       | 1.43                       |         |
| WCDMA IV Ant 0     | Front             | 0.516                    | 0.392                                                | 0.180                                            | 0.397                                              | 0.199                                          | 0.041                                              | 0.041                                          |                                        | 0.91                       | 0.91                       | 0.56                       | 0.90                       | 0.74                       |         |
|                    | Back              | 1.121                    | 0.392                                                | 0.180                                            | 0.397                                              | 0.199                                          | 0.189                                              | 0.189                                          | 0.006                                  | 1.51                       | 1.52                       | 1.32                       | 1.50                       | 1.49                       |         |
| LTE Band 66 Ant 0  | Front             | 0.557                    | 0.392                                                | 0.180                                            | 0.397                                              | 0.199                                          | 0.041                                              | 0.041                                          |                                        | 0.95                       | 0.95                       | 0.60                       | 0.94                       | 0.78                       |         |
|                    | Back              | 1.164                    | 0.392                                                | 0.180                                            | 0.397                                              | 0.199                                          | 0.189                                              | 0.189                                          | 0.006                                  | 1.56                       | 1.57                       | 1.36                       | 1.54                       | 1.53                       |         |
| LTE Band 25 Ant 0  | Front             | 0.460                    | 0.392                                                | 0.180                                            | 0.397                                              | 0.199                                          | 0.041                                              | 0.041                                          |                                        | 0.85                       | 0.86                       | 0.50                       | 0.84                       | 0.68                       |         |
|                    | Back              | 0.894                    | 0.392                                                | 0.180                                            | 0.397                                              | 0.199                                          | 0.189                                              | 0.189                                          | 0.006                                  | 1.29                       | 1.30                       | 1.09                       | 1.27                       | 1.26                       |         |
| LTE Band 30 Ant 0  | Front             | 0.223                    | 0.392                                                | 0.180                                            | 0.397                                              | 0.199                                          | 0.041                                              | 0.041                                          |                                        | 0.62                       | 0.62                       | 0.26                       | 0.60                       | 0.44                       |         |
|                    | Back              | 1.138                    | 0.392                                                | 0.180                                            | 0.397                                              | 0.199                                          | 0.189                                              | 0.189                                          | 0.006                                  | 1.53                       | 1.54                       | 1.33                       | 1.52                       | 1.51                       |         |
| LTE Band 7 Ant 0   | Front             | 0.439                    | 0.392                                                | 0.180                                            | 0.397                                              | 0.199                                          | 0.041                                              | 0.041                                          |                                        | 0.83                       | 0.84                       | 0.48                       | 0.82                       | 0.66                       |         |
|                    | Back              | 0.787                    | 0.392                                                | 0.180                                            | 0.397                                              | 0.199                                          | 0.189                                              | 0.189                                          | 0.006                                  | 1.18                       | 1.19                       | 0.98                       | 1.17                       | 1.16                       |         |
| LTE Band 41 Ant 0  | Front             | 0.292                    | 0.392                                                | 0.180                                            | 0.397                                              | 0.199                                          | 0.041                                              | 0.041                                          |                                        | 0.68                       | 0.69                       | 0.33                       | 0.67                       | 0.51                       |         |
|                    | Back              | 0.589                    | 0.392                                                | 0.180                                            | 0.397                                              | 0.199                                          | 0.189                                              | 0.189                                          | 0.006                                  | 0.98                       | 0.99                       | 0.78                       | 0.97                       | 0.96                       |         |
| FR1 n66 Ant 0      | Front             | 0.491                    | 0.392                                                | 0.180                                            | 0.397                                              | 0.199                                          | 0.041                                              | 0.041                                          |                                        | 0.88                       | 0.89                       | 0.53                       | 0.87                       | 0.71                       |         |
|                    | Back              | 1.091                    | 0.392                                                | 0.180                                            | 0.397                                              | 0.199                                          | 0.189                                              | 0.189                                          | 0.006                                  | 1.48                       | 1.49                       | 1.29                       | 1.47                       | 1.46                       |         |
| FR1 n25 Ant 0      | Front             | 0.388                    | 0.392                                                | 0.180                                            | 0.397                                              | 0.199                                          | 0.041                                              | 0.041                                          |                                        | 0.78                       | 0.79                       | 0.43                       | 0.77                       | 0.61                       |         |
|                    | Back              | 0.754                    | 0.392                                                | 0.180                                            | 0.397                                              | 0.199                                          | 0.189                                              | 0.189                                          | 0.006                                  | 1.15                       | 1.16                       | 0.95                       | 1.13                       | 1.12                       |         |
| FR1 n30 Ant 0      | Front             | 0.278                    | 0.392                                                | 0.180                                            | 0.397                                              | 0.199                                          | 0.041                                              | 0.041                                          |                                        | 0.67                       | 0.68                       | 0.32                       | 0.66                       | 0.50                       |         |
|                    | Back              | 1.273                    | 0.392                                                | 0.180                                            | 0.397                                              | 0.199                                          | 0.189                                              | 0.189                                          | 0.006                                  | 1.67                       | 1.68                       | 1.47                       | 1.65                       | 1.64                       | 1,2,3,4 |
| FR1 n7 Ant 0       | Front             | 0.389                    | 0.392                                                | 0.180                                            | 0.397                                              | 0.199                                          | 0.041                                              | 0.041                                          |                                        | 0.78                       | 0.79                       | 0.43                       | 0.77                       | 0.61                       |         |
|                    | Back              | 0.738                    | 0.392                                                | 0.180                                            | 0.397                                              | 0.199                                          | 0.189                                              | 0.189                                          | 0.006                                  | 1.13                       | 1.14                       | 0.93                       | 1.12                       | 1.11                       |         |
| FR1 n41 HPUE Ant 0 | Front             | 0.501                    | 0.392                                                | 0.180                                            | 0.397                                              | 0.199                                          | 0.041                                              | 0.041                                          |                                        | 0.89                       | 0.90                       | 0.54                       | 0.88                       | 0.72                       |         |
|                    | Back              | 0.853                    | 0.392                                                | 0.180                                            | 0.397                                              | 0.199                                          | 0.189                                              | 0.189                                          | 0.006                                  | 1.25                       | 1.26                       | 1.05                       | 1.23                       | 1.22                       |         |
| All Ant1           | Front             | 0.735                    | 0.392                                                | 0.180                                            | 0.397                                              | 0.199                                          | 0.041                                              | 0.041                                          |                                        | 1.13                       | 1.13                       | 0.78                       | 1.11                       | 0.96                       |         |
|                    | Back              | 0.792                    | 0.392                                                | 0.180                                            | 0.397                                              | 0.199                                          | 0.189                                              | 0.189                                          | 0.006                                  | 1.18                       | 1.20                       | 0.99                       | 1.17                       | 1.16                       |         |
| All Ant2           | Front             | 0.230                    | 0.392                                                | 0.180                                            | 0.397                                              | 0.199                                          | 0.041                                              | 0.041                                          |                                        | 0.62                       | 0.63                       | 0.27                       | 0.61                       | 0.45                       |         |
|                    | Back              | 0.556                    | 0.392                                                | 0.180                                            | 0.397                                              | 0.199                                          | 0.189                                              | 0.189                                          | 0.006                                  | 0.95                       | 0.96                       | 0.75                       | 0.94                       | 0.93                       |         |
| All Ant3           | Front             | 0.220                    | 0.392                                                | 0.180                                            | 0.397                                              | 0.199                                          | 0.041                                              | 0.041                                          |                                        | 0.61                       | 0.62                       | 0.26                       | 0.60                       | 0.44                       |         |
|                    | Back              | 0.534                    | 0.392                                                | 0.180                                            | 0.397                                              | 0.199                                          | 0.189                                              | 0.189                                          | 0.006                                  | 0.93                       | 0.94                       | 0.73                       | 0.91                       | 0.90                       |         |
| All Ant4           | Front             | 0.215                    | 0.392                                                | 0.180                                            | 0.397                                              | 0.199                                          | 0.041                                              | 0.041                                          |                                        | 0.61                       | 0.61                       | 0.26                       | 0.59                       | 0.44                       |         |
|                    | Back              | 0.551                    | 0.392                                                | 0.180                                            | 0.397                                              | 0.199                                          | 0.189                                              | 0.189                                          | 0.006                                  | 0.94                       | 0.95                       | 0.75                       | 0.93                       | 0.92                       |         |
| All Ant5           | Front             | 0.436                    | 0.392                                                | 0.180                                            | 0.397                                              | 0.199                                          | 0.041                                              | 0.041                                          |                                        | 0.83                       | 0.83                       | 0.48                       | 0.82                       | 0.66                       |         |
|                    | Back              | 0.516                    | 0.392                                                | 0.180                                            | 0.397                                              | 0.199                                          | 0.189                                              | 0.189                                          | 0.006                                  | 0.91                       | 0.92                       | 0.71                       | 0.90                       | 0.89                       |         |



## &lt;UL CA&gt;

| WWAN Band            |                       | Exposure Position | 1                   | 2                   | 3                                | 4                            | 5                              | 6                          | 7                              | 8                          | 9                  | 1+2+3            | 1+2+5+9          | 1+2+7+9          | 1+2+4+6          | 1+2+4+8          | SPLSR          |
|----------------------|-----------------------|-------------------|---------------------|---------------------|----------------------------------|------------------------------|--------------------------------|----------------------------|--------------------------------|----------------------------|--------------------|------------------|------------------|------------------|------------------|------------------|----------------|
|                      |                       |                   | WWAN                | WWAN                | WLAN2.4GHz<br>Ant 6+7<br>Non DBS | WLAN2.4GHz<br>Ant 6+7<br>DBS | WLAN5GHz<br>Ant 6+7<br>Non DBS | WLAN5GHz<br>Ant 6+7<br>DBS | WLAN6GHz<br>Ant 6+7<br>Non DBS | WLAN6GHz<br>Ant 6+7<br>DBS | Bluetooth<br>Ant 6 | Summed           | Summed           | Summed           | Summed           | Summed           |                |
|                      |                       |                   | 1g<br>SAR<br>(W/kg) | 1g<br>SAR<br>(W/kg) | 1g SAR<br>(W/kg)                 | 1g SAR<br>(W/kg)             | 1g SAR<br>(W/kg)               | 1g SAR<br>(W/kg)           | 1g SAR<br>(W/kg)               | 1g SAR<br>(W/kg)           | 1g SAR<br>(W/kg)   | 1g SAR<br>(W/kg) | 1g SAR<br>(W/kg) | 1g SAR<br>(W/kg) | 1g SAR<br>(W/kg) | 1g SAR<br>(W/kg) |                |
| LTE Band 26(5) Ant 1 | LTE Band 7 Ant 0      | Front             | 0.263               | 0.439               | 0.392                            | 0.180                        | 0.397                          | 0.199                      | 0.041                          | 0.041                      |                    | 1.09             | 1.10             | 0.74             | 1.08             | 0.92             |                |
|                      |                       | Back              | 0.398               | 0.787               | 0.392                            | 0.180                        | 0.397                          | 0.199                      | 0.189                          | 0.189                      | 0.006              | 1.58             | 1.59             | 1.38             | 1.56             | 1.55             |                |
| LTE Band 26(5) Ant 1 | LTE Band 30 Ant 0     | Front             | 0.263               | 0.223               | 0.392                            | 0.180                        | 0.397                          | 0.199                      | 0.041                          | 0.041                      |                    | 0.88             | 0.88             | 0.53             | 0.87             | 0.71             |                |
|                      |                       | Back              | 0.398               | 1.138               | 0.392                            | 0.180                        | 0.397                          | 0.199                      | 0.189                          | 0.189                      | 0.006              | 1.93             | 1.94             | 1.73             | 1.92             | 1.91             | 5,6,7,8,9      |
| LTE Band 26(5) Ant 1 | LTE Band 66 Ant 0     | Front             | 0.263               | 0.557               | 0.392                            | 0.180                        | 0.397                          | 0.199                      | 0.041                          | 0.041                      |                    | 1.21             | 1.22             | 0.86             | 1.20             | 1.04             |                |
|                      |                       | Back              | 0.398               | 1.164               | 0.392                            | 0.180                        | 0.397                          | 0.199                      | 0.189                          | 0.189                      | 0.006              | 1.95             | 1.97             | 1.76             | 1.94             | 1.93             | 10,11,12,13,14 |
| LTE Band 12 Ant 1    | LTE Band 30 Ant 0     | Front             | 0.199               | 0.223               | 0.392                            | 0.180                        | 0.397                          | 0.199                      | 0.041                          | 0.041                      |                    | 0.81             | 0.82             | 0.46             | 0.80             | 0.64             |                |
|                      |                       | Back              | 0.226               | 1.138               | 0.392                            | 0.180                        | 0.397                          | 0.199                      | 0.189                          | 0.189                      | 0.006              | 1.76             | 1.77             | 1.56             | 1.74             | 1.73             | 15,16,17,18    |
| LTE Band 12 Ant 1    | LTE Band 66 Ant 0     | Front             | 0.199               | 0.557               | 0.392                            | 0.180                        | 0.397                          | 0.199                      | 0.041                          | 0.041                      |                    | 1.15             | 1.15             | 0.80             | 1.14             | 0.98             |                |
|                      |                       | Back              | 0.226               | 1.164               | 0.392                            | 0.180                        | 0.397                          | 0.199                      | 0.189                          | 0.189                      | 0.006              | 1.78             | 1.79             | 1.59             | 1.77             | 1.76             | 19,20,21,22    |
| LTE Band 13 Ant 1    | LTE Band 66 Ant 0     | Front             | 0.224               | 0.557               | 0.392                            | 0.180                        | 0.397                          | 0.199                      | 0.041                          | 0.041                      |                    | 1.17             | 1.18             | 0.82             | 1.16             | 1.00             |                |
|                      |                       | Back              | 0.277               | 1.164               | 0.392                            | 0.180                        | 0.397                          | 0.199                      | 0.189                          | 0.189                      | 0.006              | 1.83             | 1.84             | 1.64             | 1.82             | 1.81             | 23,24,25,26,27 |
| LTE Band 14 Ant 1    | LTE Band 30 Ant 0     | Front             | 0.192               | 0.223               | 0.392                            | 0.180                        | 0.397                          | 0.199                      | 0.041                          | 0.041                      |                    | 0.81             | 0.81             | 0.46             | 0.79             | 0.64             |                |
|                      |                       | Back              | 0.236               | 1.138               | 0.392                            | 0.180                        | 0.397                          | 0.199                      | 0.189                          | 0.189                      | 0.006              | 1.77             | 1.78             | 1.57             | 1.75             | 1.74             | 28,29,30,31    |
| LTE Band 14 Ant 1    | LTE Band 66 Ant 0     | Front             | 0.192               | 0.557               | 0.392                            | 0.180                        | 0.397                          | 0.199                      | 0.041                          | 0.041                      |                    | 1.14             | 1.15             | 0.79             | 1.13             | 0.97             |                |
|                      |                       | Back              | 0.236               | 1.164               | 0.392                            | 0.180                        | 0.397                          | 0.199                      | 0.189                          | 0.189                      | 0.006              | 1.79             | 1.80             | 1.60             | 1.78             | 1.77             | 32,33,34,35,36 |
| LTE Band 25(2) Ant 0 | LTE Band 26(5) Ant 1  | Front             | 0.460               | 0.263               | 0.392                            | 0.180                        | 0.397                          | 0.199                      | 0.041                          | 0.041                      |                    | 1.12             | 1.12             | 0.76             | 1.10             | 0.94             |                |
|                      |                       | Back              | 0.894               | 0.398               | 0.392                            | 0.180                        | 0.397                          | 0.199                      | 0.189                          | 0.189                      | 0.006              | 1.68             | 1.70             | 1.49             | 1.67             | 1.66             | 37,38,39,40    |
| LTE Band 25(2) Ant 0 | LTE Band 12 Ant 1     | Front             | 0.460               | 0.199               | 0.392                            | 0.180                        | 0.397                          | 0.199                      | 0.041                          | 0.041                      |                    | 1.05             | 1.06             | 0.70             | 1.04             | 0.88             |                |
|                      |                       | Back              | 0.894               | 0.226               | 0.392                            | 0.180                        | 0.397                          | 0.199                      | 0.189                          | 0.189                      | 0.006              | 1.51             | 1.52             | 1.32             | 1.50             | 1.49             |                |
| LTE Band 25(2) Ant 0 | LTE Band 13 Ant 1     | Front             | 0.460               | 0.224               | 0.392                            | 0.180                        | 0.397                          | 0.199                      | 0.041                          | 0.041                      |                    | 1.08             | 1.08             | 0.73             | 1.06             | 0.91             |                |
|                      |                       | Back              | 0.894               | 0.277               | 0.392                            | 0.180                        | 0.397                          | 0.199                      | 0.189                          | 0.189                      | 0.006              | 1.56             | 1.57             | 1.37             | 1.55             | 1.54             |                |
| LTE Band 25(2) Ant 0 | LTE Band 14 Ant 1     | Front             | 0.460               | 0.192               | 0.392                            | 0.180                        | 0.397                          | 0.199                      | 0.041                          | 0.041                      |                    | 1.04             | 1.05             | 0.69             | 1.03             | 0.87             |                |
|                      |                       | Back              | 0.894               | 0.236               | 0.392                            | 0.180                        | 0.397                          | 0.199                      | 0.189                          | 0.189                      | 0.006              | 1.52             | 1.53             | 1.33             | 1.51             | 1.50             |                |
| LTE Band 66(4) Ant 0 | LTE Band 26(5) Ant 1  | Front             | 0.557               | 0.263               | 0.392                            | 0.180                        | 0.397                          | 0.199                      | 0.041                          | 0.041                      |                    | 1.21             | 1.22             | 0.86             | 1.20             | 1.04             |                |
|                      |                       | Back              | 1.164               | 0.398               | 0.392                            | 0.180                        | 0.397                          | 0.199                      | 0.189                          | 0.189                      | 0.006              | 1.95             | 1.97             | 1.76             | 1.94             | 1.93             | 41,42,43,44,45 |
| LTE Band 66(4) Ant 0 | LTE Band 12(17) Ant 1 | Front             | 0.557               | 0.199               | 0.392                            | 0.180                        | 0.397                          | 0.199                      | 0.041                          | 0.041                      |                    | 1.15             | 1.15             | 0.80             | 1.14             | 0.98             |                |
|                      |                       | Back              | 1.164               | 0.226               | 0.392                            | 0.180                        | 0.397                          | 0.199                      | 0.189                          | 0.189                      | 0.006              | 1.78             | 1.79             | 1.59             | 1.77             | 1.76             | 46,47,48,49    |
| LTE Band 66(4) Ant 0 | LTE Band 13 Ant 1     | Front             | 0.557               | 0.224               | 0.392                            | 0.180                        | 0.397                          | 0.199                      | 0.041                          | 0.041                      |                    | 1.17             | 1.18             | 0.82             | 1.16             | 1.00             |                |
|                      |                       | Back              | 1.164               | 0.277               | 0.392                            | 0.180                        | 0.397                          | 0.199                      | 0.189                          | 0.189                      | 0.006              | 1.83             | 1.84             | 1.64             | 1.82             | 1.81             | 50,51,52,53,54 |
| LTE Band 25(2) Ant 0 | LTE Band 66(4) Ant 5  | Front             | 0.460               | 0.429               | 0.392                            | 0.180                        | 0.397                          | 0.199                      | 0.041                          | 0.041                      |                    | 1.28             | 1.29             | 0.93             | 1.27             | 1.11             |                |
|                      |                       | Back              | 0.894               | 0.516               | 0.392                            | 0.180                        | 0.397                          | 0.199                      | 0.189                          | 0.189                      | 0.006              | 1.80             | 1.81             | 1.61             | 1.79             | 1.78             | 55,56,57,58,59 |



&lt;EN-DC&gt;

| WWAN Band               |                           | Exposure Position | 1                | 2                | 3                                | 4                            | 5                              | 6                          | 7                              | 8                          | 9                  | 1+2+3            | 1+2+5+9          | 1+2+7+9          | 1+2+4+6          | 1+2+4+8          | SPLSR               |
|-------------------------|---------------------------|-------------------|------------------|------------------|----------------------------------|------------------------------|--------------------------------|----------------------------|--------------------------------|----------------------------|--------------------|------------------|------------------|------------------|------------------|------------------|---------------------|
|                         |                           |                   | WWAN             | WWAN             | WLAN2.4GHz<br>Ant 6+7<br>Non DBS | WLAN2.4GHz<br>Ant 6+7<br>DBS | WLAN5GHz<br>Ant 6+7<br>Non DBS | WLAN5GHz<br>Ant 6+7<br>DBS | WLAN6GHz<br>Ant 6+7<br>Non DBS | WLAN6GHz<br>Ant 6+7<br>DBS | Bluetooth<br>Ant 6 | Summed           | Summed           | Summed           | Summed           | Summed           |                     |
|                         |                           |                   | 1g SAR<br>(W/kg) | 1g SAR<br>(W/kg) | 1g SAR<br>(W/kg)                 | 1g SAR<br>(W/kg)             | 1g SAR<br>(W/kg)               | 1g SAR<br>(W/kg)           | 1g SAR<br>(W/kg)               | 1g SAR<br>(W/kg)           | 1g SAR<br>(W/kg)   | 1g SAR<br>(W/kg) | 1g SAR<br>(W/kg) | 1g SAR<br>(W/kg) | 1g SAR<br>(W/kg) | 1g SAR<br>(W/kg) |                     |
| LTE Band 26(5)<br>Ant 1 | FR1 n2 Ant 0              | Front             | 0.263            | 0.388            | 0.392                            | 0.180                        | 0.397                          | 0.199                      | 0.041                          | 0.041                      |                    | 1.04             | 1.05             | 0.69             | 1.03             | 0.87             |                     |
|                         |                           | Back              | 0.398            | 0.754            | 0.392                            | 0.180                        | 0.397                          | 0.199                      | 0.189                          | 0.189                      | 0.006              | 1.54             | 1.56             | 1.35             | 1.53             | 1.52             |                     |
| LTE Band 26(5)<br>Ant 1 | FR1 n7 Ant 0              | Front             | 0.263            | 0.389            | 0.392                            | 0.180                        | 0.397                          | 0.199                      | 0.041                          | 0.041                      |                    | 1.04             | 1.05             | 0.69             | 1.03             | 0.87             |                     |
|                         |                           | Back              | 0.398            | 0.738            | 0.392                            | 0.180                        | 0.397                          | 0.199                      | 0.189                          | 0.189                      | 0.006              | 1.53             | 1.54             | 1.33             | 1.52             | 1.51             |                     |
| LTE Band 26(5)<br>Ant 1 | FR1 n66 Ant 0             | Front             | 0.263            | 0.491            | 0.392                            | 0.180                        | 0.397                          | 0.199                      | 0.041                          | 0.041                      |                    | 1.15             | 1.15             | 0.80             | 1.13             | 0.98             |                     |
|                         |                           | Back              | 0.398            | 1.091            | 0.392                            | 0.180                        | 0.397                          | 0.199                      | 0.189                          | 0.189                      | 0.006              | 1.88             | 1.89             | 1.68             | 1.87             | 1.86             | 60,61,62,63,64      |
| LTE Band 12 Ant<br>1    | FR1 n25(2) Ant 0          | Front             | 0.199            | 0.388            | 0.392                            | 0.180                        | 0.397                          | 0.199                      | 0.041                          | 0.041                      |                    | 0.98             | 0.98             | 0.63             | 0.97             | 0.81             |                     |
|                         |                           | Back              | 0.226            | 0.754            | 0.392                            | 0.180                        | 0.397                          | 0.199                      | 0.189                          | 0.189                      | 0.006              | 1.37             | 1.38             | 1.18             | 1.36             | 1.35             |                     |
| LTE Band 12 Ant<br>1    | FR1 n7 Ant 0              | Front             | 0.199            | 0.389            | 0.392                            | 0.180                        | 0.397                          | 0.199                      | 0.041                          | 0.041                      |                    | 0.98             | 0.99             | 0.63             | 0.97             | 0.81             |                     |
|                         |                           | Back              | 0.226            | 0.738            | 0.392                            | 0.180                        | 0.397                          | 0.199                      | 0.189                          | 0.189                      | 0.006              | 1.36             | 1.37             | 1.16             | 1.34             | 1.33             |                     |
| LTE Band 12 Ant<br>1    | FR1 n66 Ant 0             | Front             | 0.199            | 0.491            | 0.392                            | 0.180                        | 0.397                          | 0.199                      | 0.041                          | 0.041                      |                    | 1.08             | 1.09             | 0.73             | 1.07             | 0.91             |                     |
|                         |                           | Back              | 0.226            | 1.091            | 0.392                            | 0.180                        | 0.397                          | 0.199                      | 0.189                          | 0.189                      | 0.006              | 1.71             | 1.72             | 1.51             | 1.70             | 1.69             | 65,66,67,68         |
| LTE Band 12 Ant<br>1    | FR1 n41(38)<br>HPUE Ant 0 | Front             | 0.199            | 0.501            | 0.392                            | 0.180                        | 0.397                          | 0.199                      | 0.041                          | 0.041                      |                    | 1.09             | 1.10             | 0.74             | 1.08             | 0.92             |                     |
|                         |                           | Back              | 0.226            | 0.853            | 0.392                            | 0.180                        | 0.397                          | 0.199                      | 0.189                          | 0.189                      | 0.006              | 1.47             | 1.48             | 1.27             | 1.46             | 1.45             |                     |
| LTE Band 13 Ant<br>1    | FR1 n2 Ant 0              | Front             | 0.224            | 0.388            | 0.392                            | 0.180                        | 0.397                          | 0.199                      | 0.041                          | 0.041                      |                    | 1.00             | 1.01             | 0.65             | 0.99             | 0.83             |                     |
|                         |                           | Back              | 0.277            | 0.754            | 0.392                            | 0.180                        | 0.397                          | 0.199                      | 0.189                          | 0.189                      | 0.006              | 1.42             | 1.43             | 1.23             | 1.41             | 1.40             |                     |
| LTE Band 13 Ant<br>1    | FR1 n66 Ant 0             | Front             | 0.224            | 0.491            | 0.392                            | 0.180                        | 0.397                          | 0.199                      | 0.041                          | 0.041                      |                    | 1.11             | 1.11             | 0.76             | 1.09             | 0.94             |                     |
|                         |                           | Back              | 0.277            | 1.091            | 0.392                            | 0.180                        | 0.397                          | 0.199                      | 0.189                          | 0.189                      | 0.006              | 1.76             | 1.77             | 1.56             | 1.75             | 1.74             | 69,70,71,72         |
| LTE Band 14 Ant<br>1    | FR1 n2 Ant 0              | Front             | 0.192            | 0.388            | 0.392                            | 0.180                        | 0.397                          | 0.199                      | 0.041                          | 0.041                      |                    | 0.97             | 0.98             | 0.62             | 0.96             | 0.80             |                     |
|                         |                           | Back              | 0.236            | 0.754            | 0.392                            | 0.180                        | 0.397                          | 0.199                      | 0.189                          | 0.189                      | 0.006              | 1.38             | 1.39             | 1.19             | 1.37             | 1.36             |                     |
| LTE Band 14 Ant<br>1    | FR1 n30 Ant 0             | Front             | 0.192            | 0.278            | 0.392                            | 0.180                        | 0.397                          | 0.199                      | 0.041                          | 0.041                      |                    | 0.86             | 0.87             | 0.51             | 0.85             | 0.69             |                     |
|                         |                           | Back              | 0.236            | 1.273            | 0.392                            | 0.180                        | 0.397                          | 0.199                      | 0.189                          | 0.189                      | 0.006              | 1.90             | 1.91             | 1.70             | 1.89             | 1.88             | 73,74,75,76,77      |
| LTE Band 14 Ant<br>1    | FR1 n66 Ant 0             | Front             | 0.192            | 0.491            | 0.392                            | 0.180                        | 0.397                          | 0.199                      | 0.041                          | 0.041                      |                    | 1.08             | 1.08             | 0.72             | 1.06             | 0.90             |                     |
|                         |                           | Back              | 0.236            | 1.091            | 0.392                            | 0.180                        | 0.397                          | 0.199                      | 0.189                          | 0.189                      | 0.006              | 1.72             | 1.73             | 1.52             | 1.71             | 1.70             | 78,79,80,81         |
| LTE Band 26 Ant<br>1    | FR1 n41 HPUE<br>Ant 0     | Front             | 0.263            | 0.501            | 0.392                            | 0.180                        | 0.397                          | 0.199                      | 0.041                          | 0.041                      |                    | 1.16             | 1.16             | 0.81             | 1.14             | 0.99             |                     |
|                         |                           | Back              | 0.398            | 0.853            | 0.392                            | 0.180                        | 0.397                          | 0.199                      | 0.189                          | 0.189                      | 0.006              | 1.64             | 1.65             | 1.45             | 1.63             | 1.62             | 82,83,84,85         |
| LTE Band 71 Ant<br>1    | FR1 n41(38)<br>HPUE Ant 0 | Front             | 0.225            | 0.501            | 0.392                            | 0.180                        | 0.397                          | 0.199                      | 0.041                          | 0.041                      |                    | 1.12             | 1.12             | 0.77             | 1.11             | 0.95             |                     |
|                         |                           | Back              | 0.282            | 0.853            | 0.392                            | 0.180                        | 0.397                          | 0.199                      | 0.189                          | 0.189                      | 0.006              | 1.53             | 1.54             | 1.33             | 1.51             | 1.50             |                     |
| LTE Band 71 Ant<br>1    | FR1 n66 Ant 0             | Front             | 0.225            | 0.491            | 0.392                            | 0.180                        | 0.397                          | 0.199                      | 0.041                          | 0.041                      |                    | 1.11             | 1.11             | 0.76             | 1.10             | 0.94             |                     |
|                         |                           | Back              | 0.282            | 1.091            | 0.392                            | 0.180                        | 0.397                          | 0.199                      | 0.189                          | 0.189                      | 0.006              | 1.77             | 1.78             | 1.57             | 1.75             | 1.74             | 86,87,88,89         |
| LTE Band 66 Ant<br>1    | FR1 n2 Ant 0              | Front             | 0.159            | 0.388            | 0.392                            | 0.180                        | 0.397                          | 0.199                      | 0.041                          | 0.041                      |                    | 0.94             | 0.94             | 0.59             | 0.93             | 0.77             |                     |
|                         |                           | Back              | 0.183            | 0.754            | 0.392                            | 0.180                        | 0.397                          | 0.199                      | 0.189                          | 0.189                      | 0.006              | 1.33             | 1.34             | 1.13             | 1.32             | 1.31             |                     |
| LTE Band 25(2)<br>Ant 0 | FR1 n66 Ant 5             | Front             | 0.460            | 0.413            | 0.392                            | 0.180                        | 0.397                          | 0.199                      | 0.041                          | 0.041                      |                    | 1.27             | 1.27             | 0.91             | 1.25             | 1.09             |                     |
|                         |                           | Back              | 0.894            | 0.495            | 0.392                            | 0.180                        | 0.397                          | 0.199                      | 0.189                          | 0.189                      | 0.006              | 1.78             | 1.79             | 1.58             | 1.77             | 1.76             | 90,91,92,93         |
| LTE Band 7 Ant<br>0     | FR1 n66 Ant 5             | Front             | 0.439            | 0.413            | 0.392                            | 0.180                        | 0.397                          | 0.199                      | 0.041                          | 0.041                      |                    | 1.24             | 1.25             | 0.89             | 1.23             | 1.07             |                     |
|                         |                           | Back              | 0.787            | 0.495            | 0.392                            | 0.180                        | 0.397                          | 0.199                      | 0.189                          | 0.189                      | 0.006              | 1.67             | 1.69             | 1.48             | 1.66             | 1.65             | 94,95,96,97         |
| LTE Band 7 Ant<br>0     | FR1 n25(2) Ant 5          | Front             | 0.439            | 0.436            | 0.392                            | 0.180                        | 0.397                          | 0.199                      | 0.041                          | 0.041                      |                    | 1.27             | 1.27             | 0.92             | 1.25             | 1.10             |                     |
|                         |                           | Back              | 0.787            | 0.484            | 0.392                            | 0.180                        | 0.397                          | 0.199                      | 0.189                          | 0.189                      | 0.006              | 1.66             | 1.67             | 1.47             | 1.65             | 1.64             | 98,99,100,101       |
| LTE Band 66 Ant<br>0    | FR1 n25(2) Ant 5          | Front             | 0.557            | 0.436            | 0.392                            | 0.180                        | 0.397                          | 0.199                      | 0.041                          | 0.041                      |                    | 1.39             | 1.39             | 1.03             | 1.37             | 1.21             |                     |
|                         |                           | Back              | 1.164            | 0.484            | 0.392                            | 0.180                        | 0.397                          | 0.199                      | 0.189                          | 0.189                      | 0.006              | 2.04             | 2.05             | 1.84             | 2.03             | 2.02             | 102,103,104,105,106 |
| LTE Band 30 Ant<br>0    | FR1 n66 Ant 5             | Front             | 0.223            | 0.413            | 0.392                            | 0.180                        | 0.397                          | 0.199                      | 0.041                          | 0.041                      |                    | 1.03             | 1.03             | 0.68             | 1.02             | 0.86             |                     |
|                         |                           | Back              | 1.138            | 0.495            | 0.392                            | 0.180                        | 0.397                          | 0.199                      | 0.189                          | 0.189                      | 0.006              | 2.03             | 2.04             | 1.83             | 2.01             | 2.00             | 107,108,109,110,111 |
| LTE Band 30 Ant<br>0    | FR1 n2 Ant 5              | Front             | 0.223            | 0.436            | 0.392                            | 0.180                        | 0.397                          | 0.199                      | 0.041                          | 0.041                      |                    | 1.05             | 1.06             | 0.70             | 1.04             | 0.88             |                     |
|                         |                           | Back              | 1.138            | 0.484            | 0.392                            | 0.180                        | 0.397                          | 0.199                      | 0.189                          | 0.189                      | 0.006              | 2.01             | 2.03             | 1.82             | 2.00             | 1.99             | 112,113,114,115,116 |
| LTE Band 7 Ant<br>2     | FR1 n66 Ant 0             | Front             | 0.157            | 0.491            | 0.392                            | 0.180                        | 0.397                          | 0.199                      | 0.041                          | 0.041                      |                    | 1.04             | 1.05             | 0.69             | 1.03             | 0.87             |                     |
|                         |                           | Back              | 0.328            | 1.091            | 0.392                            | 0.180                        | 0.397                          | 0.199                      | 0.189                          | 0.189                      | 0.006              | 1.81             | 1.82             | 1.61             | 1.80             | 1.79             | 117,118,119,120,121 |
| LTE Band 30 Ant<br>2    | FR1 n2 Ant 0              | Front             | 0.152            | 0.388            | 0.392                            | 0.180                        | 0.397                          | 0.199                      | 0.041                          | 0.041                      |                    | 0.93             | 0.94             | 0.58             | 0.92             | 0.76             |                     |
|                         |                           | Back              | 0.182            | 0.754            | 0.392                            | 0.180                        | 0.397                          | 0.199                      | 0.189                          | 0.189                      | 0.006              | 1.33             | 1.34             | 1.13             | 1.32             | 1.31             |                     |
| LTE Band 30 Ant<br>2    | FR1 n66 Ant 0             | Front             | 0.152            | 0.491            | 0.392                            | 0.180                        | 0.397                          | 0.199                      | 0.041                          | 0.041                      |                    | 1.04             | 1.04             | 0.68             | 1.02             | 0.86             |                     |
|                         |                           | Back              | 0.182            | 1.091            | 0.392                            | 0.180                        | 0.397                          | 0.199                      | 0.189                          | 0.189                      | 0.006              | 1.67             | 1.68             | 1.47             | 1.65             | 1.64             | 122,123,124,125     |
| LTE Band 25(2)          | FR1 n26(5) Ant 1          | Front             | 0.460            | 0.246            | 0.392                            | 0.180                        | 0.397                          | 0.199                      | 0.041                          | 0.041                      |                    | 1.10             | 1.10             | 0.75             | 1.09             | 0.93             |                     |



# FCC SAR Test Report

Report No. : FA461912

|                          |                           |       |       |       |       |       |       |       |       |       |       |      |      |      |      |      |                     |
|--------------------------|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|---------------------|
| Ant 0                    |                           | Back  | 0.894 | 0.360 | 0.392 | 0.180 | 0.397 | 0.199 | 0.189 | 0.189 | 0.006 | 1.65 | 1.66 | 1.45 | 1.63 | 1.62 | 126,127,128,129     |
| LTE Band 25(2)<br>Ant 0  | FR1 n12 Ant 1             | Front | 0.460 | 0.140 | 0.392 | 0.180 | 0.397 | 0.199 | 0.041 | 0.041 |       | 0.99 | 1.00 | 0.64 | 0.98 | 0.82 |                     |
|                          |                           | Back  | 0.894 | 0.176 | 0.392 | 0.180 | 0.397 | 0.199 | 0.189 | 0.189 | 0.006 | 1.46 | 1.47 | 1.27 | 1.45 | 1.44 |                     |
| LTE Band 25(2)<br>Ant 0  | FR1 n71 Ant 1             | Front | 0.460 | 0.178 | 0.392 | 0.180 | 0.397 | 0.199 | 0.041 | 0.041 |       | 1.03 | 1.04 | 0.68 | 1.02 | 0.86 |                     |
|                          |                           | Back  | 0.894 | 0.219 | 0.392 | 0.180 | 0.397 | 0.199 | 0.189 | 0.189 | 0.006 | 1.51 | 1.52 | 1.31 | 1.49 | 1.48 |                     |
| LTE Band 7 Ant<br>0      | FR1 n26(5) Ant 1          | Front | 0.439 | 0.246 | 0.392 | 0.180 | 0.397 | 0.199 | 0.041 | 0.041 |       | 1.08 | 1.08 | 0.73 | 1.06 | 0.91 |                     |
|                          |                           | Back  | 0.787 | 0.360 | 0.392 | 0.180 | 0.397 | 0.199 | 0.189 | 0.189 | 0.006 | 1.54 | 1.55 | 1.34 | 1.53 | 1.52 |                     |
| LTE Band 7 Ant<br>0      | FR1 n71 Ant 1             | Front | 0.439 | 0.178 | 0.392 | 0.180 | 0.397 | 0.199 | 0.041 | 0.041 |       | 1.01 | 1.01 | 0.66 | 1.00 | 0.84 |                     |
|                          |                           | Back  | 0.787 | 0.219 | 0.392 | 0.180 | 0.397 | 0.199 | 0.189 | 0.189 | 0.006 | 1.40 | 1.41 | 1.20 | 1.39 | 1.38 |                     |
| LTE Band 30 Ant<br>0     | FR1 n26(5) Ant 1          | Front | 0.223 | 0.246 | 0.392 | 0.180 | 0.397 | 0.199 | 0.041 | 0.041 |       | 0.86 | 0.87 | 0.51 | 0.85 | 0.69 |                     |
|                          |                           | Back  | 1.138 | 0.360 | 0.392 | 0.180 | 0.397 | 0.199 | 0.189 | 0.189 | 0.006 | 1.89 | 1.90 | 1.69 | 1.88 | 1.87 | 130,131,132,133,134 |
| LTE Band 66 Ant<br>0     | FR1 n26(5) Ant 1          | Front | 0.557 | 0.246 | 0.392 | 0.180 | 0.397 | 0.199 | 0.041 | 0.041 |       | 1.20 | 1.20 | 0.84 | 1.18 | 1.02 |                     |
|                          |                           | Back  | 1.164 | 0.360 | 0.392 | 0.180 | 0.397 | 0.199 | 0.189 | 0.189 | 0.006 | 1.92 | 1.93 | 1.72 | 1.90 | 1.89 | 135,136,137,138,139 |
| LTE Band 66 Ant<br>0     | FR1 n12 Ant 1             | Front | 0.557 | 0.140 | 0.392 | 0.180 | 0.397 | 0.199 | 0.041 | 0.041 |       | 1.09 | 1.09 | 0.74 | 1.08 | 0.92 |                     |
|                          |                           | Back  | 1.164 | 0.176 | 0.392 | 0.180 | 0.397 | 0.199 | 0.189 | 0.189 | 0.006 | 1.73 | 1.74 | 1.54 | 1.72 | 1.71 | 140,141,142,143     |
| LTE Band 66 Ant<br>0     | FR1 n71 Ant 1             | Front | 0.557 | 0.178 | 0.392 | 0.180 | 0.397 | 0.199 | 0.041 | 0.041 |       | 1.13 | 1.13 | 0.78 | 1.11 | 0.96 |                     |
|                          |                           | Back  | 1.164 | 0.219 | 0.392 | 0.180 | 0.397 | 0.199 | 0.189 | 0.189 | 0.006 | 1.78 | 1.79 | 1.58 | 1.76 | 1.75 | 144,145,146,147     |
| LTE Band 25(2)<br>Ant 0  | FR1 n41 HPUE<br>Ant 2     | Front | 0.460 | 0.230 | 0.392 | 0.180 | 0.397 | 0.199 | 0.041 | 0.041 |       | 1.08 | 1.09 | 0.73 | 1.07 | 0.91 |                     |
|                          |                           | Back  | 0.894 | 0.330 | 0.392 | 0.180 | 0.397 | 0.199 | 0.189 | 0.189 | 0.006 | 1.62 | 1.63 | 1.42 | 1.60 | 1.59 | 148,149,150         |
| LTE Band 66 Ant<br>0     | FR1 n41 HPUE<br>Ant 2     | Front | 0.557 | 0.230 | 0.392 | 0.180 | 0.397 | 0.199 | 0.041 | 0.041 |       | 1.18 | 1.18 | 0.83 | 1.17 | 1.01 |                     |
|                          |                           | Back  | 1.164 | 0.330 | 0.392 | 0.180 | 0.397 | 0.199 | 0.189 | 0.189 | 0.006 | 1.89 | 1.90 | 1.69 | 1.87 | 1.86 | 151,152,153,154,155 |
| LTE Band 26(5)<br>Ant 1  | FR1 n77(78)<br>HPUE Ant 2 | Front | 0.263 | 0.075 | 0.392 | 0.180 | 0.397 | 0.199 | 0.041 | 0.041 |       | 0.73 | 0.74 | 0.38 | 0.72 | 0.56 |                     |
|                          |                           | Back  | 0.398 | 0.496 | 0.392 | 0.180 | 0.397 | 0.199 | 0.189 | 0.189 | 0.006 | 1.29 | 1.30 | 1.09 | 1.27 | 1.26 |                     |
| LTE Band 12 Ant<br>1     | FR1 n77(78)<br>HPUE Ant 2 | Front | 0.199 | 0.075 | 0.392 | 0.180 | 0.397 | 0.199 | 0.041 | 0.041 |       | 0.67 | 0.67 | 0.32 | 0.65 | 0.50 |                     |
|                          |                           | Back  | 0.226 | 0.496 | 0.392 | 0.180 | 0.397 | 0.199 | 0.189 | 0.189 | 0.006 | 1.11 | 1.13 | 0.92 | 1.10 | 1.09 |                     |
| LTE Band 71 Ant<br>1     | FR1 n77(78)<br>HPUE Ant 2 | Front | 0.225 | 0.075 | 0.392 | 0.180 | 0.397 | 0.199 | 0.041 | 0.041 |       | 0.69 | 0.70 | 0.34 | 0.68 | 0.52 |                     |
|                          |                           | Back  | 0.282 | 0.496 | 0.392 | 0.180 | 0.397 | 0.199 | 0.189 | 0.189 | 0.006 | 1.17 | 1.18 | 0.97 | 1.16 | 1.15 |                     |
| LTE Band 2 Ant<br>5      | FR1 n66 Ant 0             | Front | 0.265 | 0.491 | 0.392 | 0.180 | 0.397 | 0.199 | 0.041 | 0.041 |       | 1.15 | 1.15 | 0.80 | 1.14 | 0.98 |                     |
|                          |                           | Back  | 0.469 | 1.091 | 0.392 | 0.180 | 0.397 | 0.199 | 0.189 | 0.189 | 0.006 | 1.95 | 1.96 | 1.76 | 1.94 | 1.93 | 156,157,158,159,160 |
| LTE Band 48 Ant<br>2     | FR1 n26(5) Ant 1          | Front | 0.067 | 0.246 | 0.392 | 0.180 | 0.397 | 0.199 | 0.041 | 0.041 |       | 0.71 | 0.71 | 0.35 | 0.69 | 0.53 |                     |
|                          |                           | Back  | 0.528 | 0.360 | 0.392 | 0.180 | 0.397 | 0.199 | 0.189 | 0.189 | 0.006 | 1.28 | 1.29 | 1.08 | 1.27 | 1.26 |                     |
| LTE Band 48 Ant<br>2     | FR1 n66 Ant 5             | Front | 0.067 | 0.413 | 0.392 | 0.180 | 0.397 | 0.199 | 0.041 | 0.041 |       | 0.87 | 0.88 | 0.52 | 0.86 | 0.70 |                     |
|                          |                           | Back  | 0.528 | 0.495 | 0.392 | 0.180 | 0.397 | 0.199 | 0.189 | 0.189 | 0.006 | 1.42 | 1.43 | 1.22 | 1.40 | 1.39 |                     |
| LTE Band 25(2)<br>Ant 0  | FR1 n77(78)<br>HPUE Ant 4 | Front | 0.460 | 0.206 | 0.392 | 0.180 | 0.397 | 0.199 | 0.041 | 0.041 |       | 1.06 | 1.06 | 0.71 | 1.05 | 0.89 |                     |
|                          |                           | Back  | 0.894 | 0.342 | 0.392 | 0.180 | 0.397 | 0.199 | 0.189 | 0.189 | 0.006 | 1.63 | 1.64 | 1.43 | 1.62 | 1.61 | 161,162,163,164     |
| LTE Band 25(2)<br>Ant 0  | FR1 n77(78)<br>HPUE Ant 4 | Front | 0.460 | 0.206 | 0.392 | 0.180 | 0.397 | 0.199 | 0.041 | 0.041 |       | 1.06 | 1.06 | 0.71 | 1.05 | 0.89 |                     |
|                          |                           | Back  | 0.894 | 0.342 | 0.392 | 0.180 | 0.397 | 0.199 | 0.189 | 0.189 | 0.006 | 1.63 | 1.64 | 1.43 | 1.62 | 1.61 | 165,166,167,168     |
| LTE Band 66(4)<br>Ant 0  | FR1 n77(78)<br>HPUE Ant 4 | Front | 0.557 | 0.206 | 0.392 | 0.180 | 0.397 | 0.199 | 0.041 | 0.041 |       | 1.16 | 1.16 | 0.80 | 1.14 | 0.98 |                     |
|                          |                           | Back  | 1.164 | 0.342 | 0.392 | 0.180 | 0.397 | 0.199 | 0.189 | 0.189 | 0.006 | 1.90 | 1.91 | 1.70 | 1.89 | 1.88 | 169,170,171,172,173 |
| LTE Band 30 Ant<br>0     | FR1 n77 HPUE<br>Ant 4     | Front | 0.223 | 0.206 | 0.392 | 0.180 | 0.397 | 0.199 | 0.041 | 0.041 |       | 0.82 | 0.83 | 0.47 | 0.81 | 0.65 |                     |
|                          |                           | Back  | 1.138 | 0.342 | 0.392 | 0.180 | 0.397 | 0.199 | 0.189 | 0.189 | 0.006 | 1.87 | 1.88 | 1.68 | 1.86 | 1.85 | 174,175,176,177,178 |
| LTE Band 7 Ant<br>0      | FR1 n77 HPUE<br>Ant 4     | Front | 0.439 | 0.206 | 0.392 | 0.180 | 0.397 | 0.199 | 0.041 | 0.041 |       | 1.04 | 1.04 | 0.69 | 1.02 | 0.87 |                     |
|                          |                           | Back  | 0.787 | 0.342 | 0.392 | 0.180 | 0.397 | 0.199 | 0.189 | 0.189 | 0.006 | 1.52 | 1.53 | 1.32 | 1.51 | 1.50 |                     |
| LTE Band 41(38)<br>Ant 0 | FR1 n77 HPUE<br>Ant 4     | Front | 0.292 | 0.206 | 0.392 | 0.180 | 0.397 | 0.199 | 0.041 | 0.041 |       | 0.89 | 0.90 | 0.54 | 0.88 | 0.72 |                     |
|                          |                           | Back  | 0.589 | 0.342 | 0.392 | 0.180 | 0.397 | 0.199 | 0.189 | 0.189 | 0.006 | 1.32 | 1.33 | 1.13 | 1.31 | 1.30 |                     |
| LTE Band 26(5)<br>Ant 1  | FR1 n77 HPUE<br>Ant 4     | Front | 0.263 | 0.206 | 0.392 | 0.180 | 0.397 | 0.199 | 0.041 | 0.041 |       | 0.86 | 0.87 | 0.51 | 0.85 | 0.69 |                     |
|                          |                           | Back  | 0.398 | 0.342 | 0.392 | 0.180 | 0.397 | 0.199 | 0.189 | 0.189 | 0.006 | 1.13 | 1.14 | 0.94 | 1.12 | 1.11 |                     |
| LTE Band 12 Ant<br>1     | FR1 n77 HPUE<br>Ant 4     | Front | 0.199 | 0.206 | 0.392 | 0.180 | 0.397 | 0.199 | 0.041 | 0.041 |       | 0.80 | 0.80 | 0.45 | 0.78 | 0.63 |                     |
|                          |                           | Back  | 0.226 | 0.342 | 0.392 | 0.180 | 0.397 | 0.199 | 0.189 | 0.189 | 0.006 | 0.96 | 0.97 | 0.76 | 0.95 | 0.94 |                     |
| LTE Band 13 Ant<br>1     | FR1 n77 HPUE<br>Ant 4     | Front | 0.224 | 0.206 | 0.392 | 0.180 | 0.397 | 0.199 | 0.041 | 0.041 |       | 0.82 | 0.83 | 0.47 | 0.81 | 0.65 |                     |
|                          |                           | Back  | 0.277 | 0.342 | 0.392 | 0.180 | 0.397 | 0.199 | 0.189 | 0.189 | 0.006 | 1.01 | 1.02 | 0.81 | 1.00 | 0.99 |                     |
| LTE Band 14 Ant<br>1     | FR1 n77 HPUE<br>Ant 4     | Front | 0.192 | 0.206 | 0.392 | 0.180 | 0.397 | 0.199 | 0.041 | 0.041 |       | 0.79 | 0.80 | 0.44 | 0.78 | 0.62 |                     |
|                          |                           | Back  | 0.236 | 0.342 | 0.392 | 0.180 | 0.397 | 0.199 | 0.189 | 0.189 | 0.006 | 0.97 | 0.98 | 0.77 | 0.96 | 0.95 |                     |



## &lt;Sensor Off&gt;

| WWAN Band | Exposure Position | 1                   | 2                                | 3                            | 4                              | 5                          | 6                              | 7                          | 8                  | 1+2              | 1+4+8            | 1+6+8            | 1+3+5            | 1+3+7            |
|-----------|-------------------|---------------------|----------------------------------|------------------------------|--------------------------------|----------------------------|--------------------------------|----------------------------|--------------------|------------------|------------------|------------------|------------------|------------------|
|           |                   | WWAN                | WLAN2.4GHz<br>Ant 6+7<br>Non DBS | WLAN2.4GHz<br>Ant 6+7<br>DBS | WLAN5GHz<br>Ant 6+7<br>Non DBS | WLAN5GHz<br>Ant 6+7<br>DBS | WLAN6GHz<br>Ant 6+7<br>Non DBS | WLAN6GHz<br>Ant 6+7<br>DBS | Bluetooth<br>Ant 6 | Summed           | Summed           | Summed           | Summed           | Summed           |
|           |                   | 1g<br>SAR<br>(W/kg) | 1g SAR<br>(W/kg)                 | 1g SAR<br>(W/kg)             | 1g SAR<br>(W/kg)               | 1g SAR<br>(W/kg)           | 1g SAR<br>(W/kg)               | 1g SAR<br>(W/kg)           | 1g SAR<br>(W/kg)   | 1g SAR<br>(W/kg) | 1g SAR<br>(W/kg) | 1g SAR<br>(W/kg) | 1g SAR<br>(W/kg) | 1g SAR<br>(W/kg) |
| All Ant0  | Front             | 0.361               | 0.215                            | 0.215                        | 0.390                          | 0.390                      | 0.208                          | 0.208                      | 0.001              | 0.58             | 0.75             | 0.57             | 0.97             | 0.78             |
|           | Back              | 0.493               | 0.138                            | 0.138                        | 0.948                          | 0.948                      | 0.634                          | 0.634                      | 0.001              | 0.63             | 1.44             | 1.13             | 1.58             | 1.27             |
| All Ant1  | Front             |                     | 0.215                            | 0.215                        | 0.390                          | 0.390                      | 0.208                          | 0.208                      | 0.001              | 0.22             | 0.39             | 0.21             | 0.61             | 0.42             |
|           | Back              |                     | 0.138                            | 0.138                        | 0.948                          | 0.948                      | 0.634                          | 0.634                      | 0.001              | 0.14             | 0.95             | 0.64             | 1.09             | 0.77             |
| All Ant2  | Front             | 0.318               | 0.215                            | 0.215                        | 0.390                          | 0.390                      | 0.208                          | 0.208                      | 0.001              | 0.53             | 0.71             | 0.53             | 0.92             | 0.74             |
|           | Back              | 0.456               | 0.138                            | 0.138                        | 0.948                          | 0.948                      | 0.634                          | 0.634                      | 0.001              | 0.59             | 1.41             | 1.09             | 1.54             | 1.23             |
| All Ant3  | Front             | 0.176               | 0.215                            | 0.215                        | 0.390                          | 0.390                      | 0.208                          | 0.208                      | 0.001              | 0.39             | 0.57             | 0.39             | 0.78             | 0.60             |
|           | Back              | 0.205               | 0.138                            | 0.138                        | 0.948                          | 0.948                      | 0.634                          | 0.634                      | 0.001              | 0.34             | 1.15             | 0.84             | 1.29             | 0.98             |
| All Ant4  | Front             | 0.319               | 0.215                            | 0.215                        | 0.390                          | 0.390                      | 0.208                          | 0.208                      | 0.001              | 0.53             | 0.71             | 0.53             | 0.92             | 0.74             |
|           | Back              | 0.275               | 0.138                            | 0.138                        | 0.948                          | 0.948                      | 0.634                          | 0.634                      | 0.001              | 0.41             | 1.22             | 0.91             | 1.36             | 1.05             |
| All Ant5  | Front             | 0.416               | 0.215                            | 0.215                        | 0.390                          | 0.390                      | 0.208                          | 0.208                      | 0.001              | 0.63             | 0.81             | 0.63             | 1.02             | 0.84             |
|           | Back              | 0.202               | 0.138                            | 0.138                        | 0.948                          | 0.948                      | 0.634                          | 0.634                      | 0.001              | 0.34             | 1.15             | 0.84             | 1.29             | 0.97             |

**16.4 Product specific 10g SAR Exposure Conditions**

| WWAN Band | Exposure Position | 1                 | 4                              | 5                          | 6                              | 7                          | 9                 | 1+9               | 1+4+9             | 1+6+9             | 1+5+9             | 1+7+9             |
|-----------|-------------------|-------------------|--------------------------------|----------------------------|--------------------------------|----------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
|           |                   | WWAN              | WLAN5GHz<br>Ant 6+7<br>Non DBS | WLAN5GHz<br>Ant 6+7<br>DBS | WLAN6GHz<br>Ant 6+7<br>Non DBS | WLAN6GHz<br>Ant 6+7<br>DBS | NFC               | Summed            | Summed            | Summed            | Summed            | Summed            |
|           |                   | 10g SAR<br>(W/kg) | 10g SAR<br>(W/kg)              | 10g SAR<br>(W/kg)          | 10g SAR<br>(W/kg)              | 10g SAR<br>(W/kg)          | 10g SAR<br>(W/kg) | 10g SAR<br>(W/kg) | 10g SAR<br>(W/kg) | 10g SAR<br>(W/kg) | 10g SAR<br>(W/kg) | 10g SAR<br>(W/kg) |
| All Ant0  | Front             |                   | 0.369                          | 0.244                      | 0.060                          | 0.060                      | 0.004             | 0.00              | 0.37              | 0.06              | 0.25              | 0.06              |
|           | Back              | 2.135             | 0.369                          | 0.244                      | 0.233                          | 0.233                      | 0.057             | 2.19              | 2.56              | 2.43              | 2.44              | 2.43              |
|           | Left side         |                   | 0.369                          | 0.244                      |                                |                            | 0.001             | 0.00              | 0.37              | 0.00              | 0.25              | 0.00              |
|           | Right side        |                   | 0.369                          | 0.244                      | 0.088                          | 0.088                      | 0.001             | 0.00              | 0.37              | 0.09              | 0.25              | 0.09              |
|           | Top side          |                   | 0.369                          | 0.244                      | 0.059                          | 0.059                      | 0.004             | 0.00              | 0.37              | 0.06              | 0.25              | 0.06              |
|           | Bottom side       |                   |                                |                            |                                |                            | 0.001             | 0.00              | 0.00              | 0.00              | 0.00              | 0.00              |

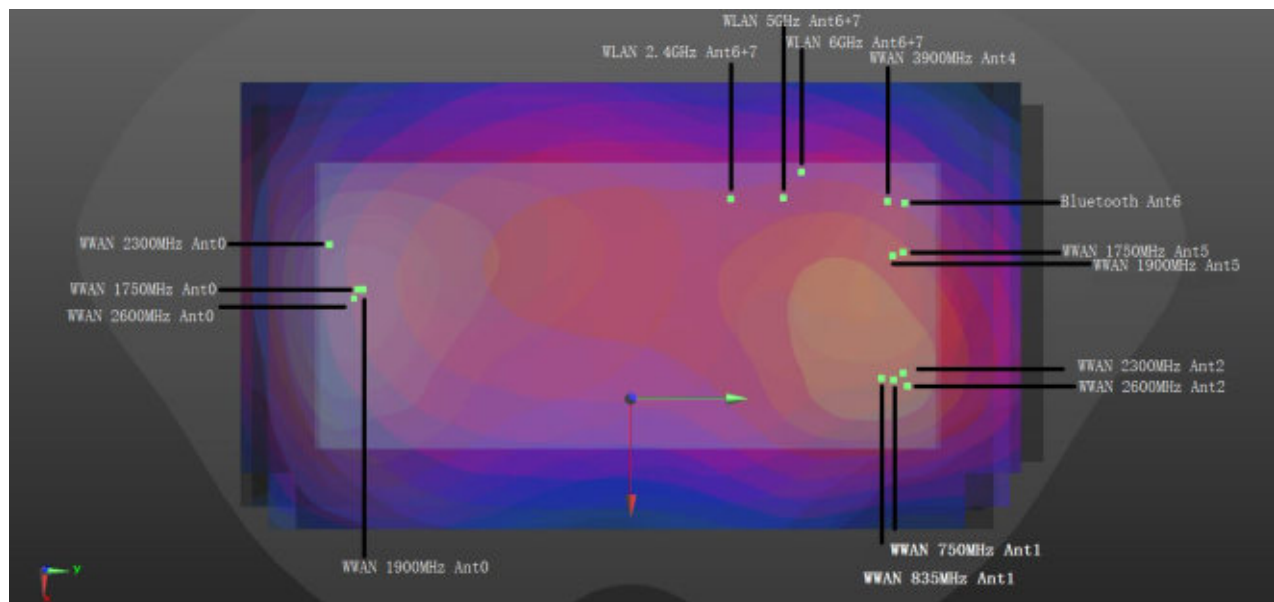
**<Sensor Off>**

| WWAN Band | Exposure Position | 1                 | 5                          | 6                              | 7                          | 9                 | 1+9               | 1+9               | 1+6+9             | 1+5+9             | 1+7+9             |
|-----------|-------------------|-------------------|----------------------------|--------------------------------|----------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
|           |                   | WWAN              | WLAN5GHz<br>Ant 6+7<br>DBS | WLAN6GHz<br>Ant 6+7<br>Non DBS | WLAN6GHz<br>Ant 6+7<br>DBS | NFC               | Summed            | Summed            | Summed            | Summed            | Summed            |
|           |                   | 10g SAR<br>(W/kg) | 10g SAR<br>(W/kg)          | 10g SAR<br>(W/kg)              | 10g SAR<br>(W/kg)          | 10g SAR<br>(W/kg) | 10g SAR<br>(W/kg) | 10g SAR<br>(W/kg) | 10g SAR<br>(W/kg) | 10g SAR<br>(W/kg) | 10g SAR<br>(W/kg) |
| All Ant0  | Front             |                   | 1.268                      | 0.285                          | 0.285                      | 0.004             | 0.00              | 0.00              | 0.29              | 1.27              | 0.29              |
|           | Back              | 0.126             | 1.134                      | 0.442                          | 0.442                      | 0.057             | 0.18              | 0.18              | 0.63              | 1.32              | 0.63              |
|           | Left side         |                   |                            |                                |                            | 0.001             | 0.00              | 0.00              | 0.00              | 0.00              | 0.00              |
|           | Right side        |                   | 0.620                      | 0.274                          | 0.274                      | 0.001             | 0.00              | 0.00              | 0.28              | 0.62              | 0.28              |
|           | Top side          |                   | 0.781                      | 0.161                          | 0.161                      | 0.004             | 0.00              | 0.00              | 0.17              | 0.79              | 0.17              |
|           | Bottom side       |                   |                            |                                |                            | 0.001             | 0.00              | 0.00              | 0.00              | 0.00              | 0.00              |

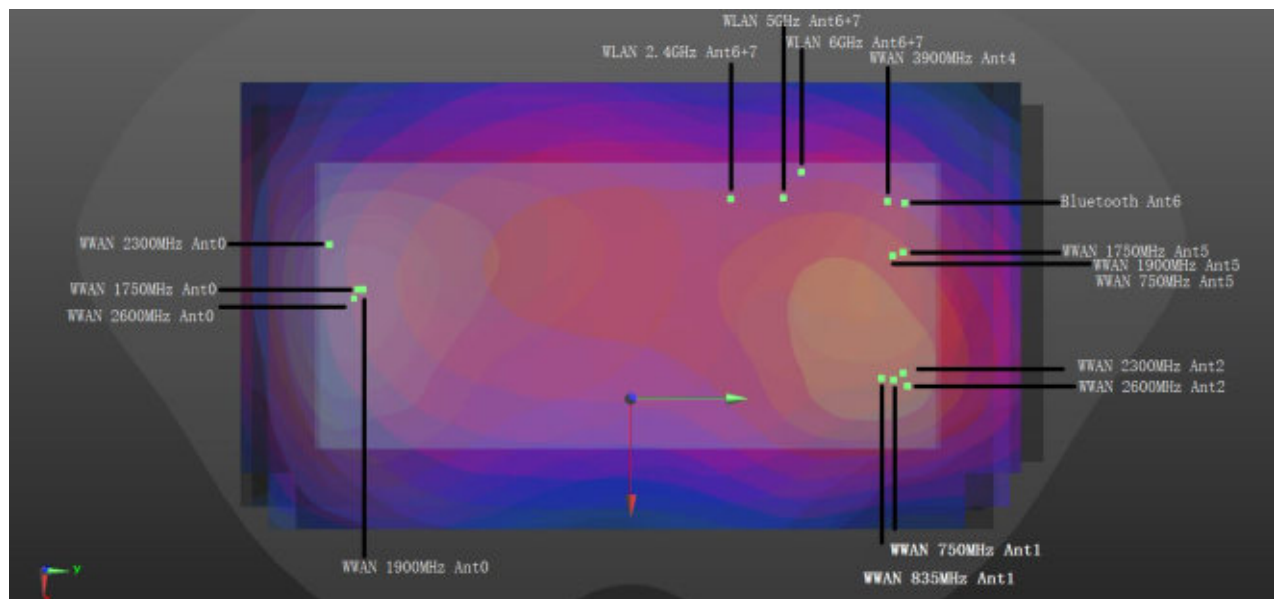
## 16.5 SPLSR Evaluation and Analysis

### 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, WLAN/BT antenna 6/7 was summed algebraically with the WWAN Antenna 1/2/4/5 separately 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.



Hotspot WWAN+FR1+BT+WLAN2.4GHz+ WLAN5 GHz/6 GHz 10mm



Body worn WWAN+FR1+BT+WLAN2.4GHz+ WLAN5 GHz/6 GHz 10mm



## &lt;Hotspot&gt;

| Case No | Band               | Position | SAR 1g SAR (W/kg) | Gap (mm)             | SAR peak location (mm) |                        |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results     | Simultaneous SAR |                  |
|---------|--------------------|----------|-------------------|----------------------|------------------------|------------------------|-------|------------------|-------------------|-------------------|------------------|------------------|
| Case 1  | FR1 n30 Ant 0      | Back     | 1.273             | 10mm                 | -16.5                  | -81                    | -1.33 | 110.8            | 1.66              | 0.02              | Not required     |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.388             | 10mm                 | -29.8                  | 29                     | -1.45 |                  |                   |                   |                  |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm)               | SAR peak location (mm) |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results     | Simultaneous SAR |                  |
| Case 2  | FR1 n30 Ant 0      | Back     | 1.273             | 1.273                | 10mm                   | -16.5                  | -81   | -1.33            | 128.4             | 1.67              | 0.02             | Not required     |
|         | WLAN5GHz Ant 6+7   |          | 0.391             | 0.40                 | 10mm                   | -35.2                  | 46    | -1.29            |                   |                   |                  |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm                   |                        |       |                  |                   |                   |                  |                  |
|         | FR1 n30 Ant 0      | Back     | 1.273             | 1.273                | 10mm                   | -16.5                  | -81   | -1.33            | 154.4             | 1.67              | 0.01             | Not required     |
|         | WLAN5GHz Ant 6+7   |          | 0.391             | 0.40                 | 10mm                   |                        |       |                  |                   |                   |                  |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm                   | -30.6                  | 72.8  | -1.23            |                   |                   |                  |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm)               | X                      | Y     | Z                | 3D distance (mm)  | Summed SAR (W/kg) | SPLSR Results    | Simultaneous SAR |
| Case 3  | FR1 n30 Ant 0      | Back     | 1.273             | 1.273                | 10mm                   | -16.5                  | -81   | -1.33            | 110.8             | 1.63              | 0.02             | Not required     |
|         | WLAN2.4GHz Ant 6+7 |          | 0.162             | 0.36                 | 10mm                   | -29.8                  | 29    | -1.45            |                   |                   |                  |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm                   |                        |       |                  |                   |                   |                  |                  |
|         | FR1 n30 Ant 0      | Back     | 1.273             | 1.273                | 10mm                   | -16.5                  | -81   | -1.33            | 128.4             | 1.63              | 0.02             | Not required     |
|         | WLAN2.4GHz Ant 6+7 |          | 0.162             | 0.36                 | 10mm                   |                        |       |                  |                   |                   |                  |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm                   | -35.2                  | 46    | -1.29            |                   |                   |                  |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm)               | SAR peak location (mm) |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results     | Simultaneous SAR |                  |
| Case 4  | LTE Band 2 Ant 0   | Back     | 0.894             | 0.894                | 10mm                   | 0.3                    | -73.6 | -1.25            | 140.8             | 1.68              | 0.02             | Not required     |
|         | LTE Band 5 Ant 1   |          | 0.398             | 0.79                 | 10mm                   | 19.5                   | 65.9  | -1.23            |                   |                   |                  |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.388             |                      | 10mm                   |                        |       |                  |                   |                   |                  |                  |
|         | LTE Band 2 Ant 0   | Back     | 0.894             | 0.894                | 10mm                   | 0.3                    | -73.6 | -1.25            | 106.9             | 1.68              | 0.02             | Not required     |
|         | LTE Band 5 Ant 1   |          | 0.398             | 0.79                 | 10mm                   |                        |       |                  |                   |                   |                  |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.388             |                      | 10mm                   | -29.8                  | 29    | -1.45            |                   |                   |                  |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm)               | X                      | Y     | Z                | 3D distance (mm)  | Summed SAR (W/kg) | SPLSR Results    | Simultaneous SAR |
| Case 5  | LTE Band 2 Ant 0   | Back     | 0.894             | 0.894                | 10mm                   | 0.3                    | -73.6 | -1.25            | 140.8             | 1.69              | 0.02             | Not required     |
|         | LTE Band 5 Ant 1   |          | 0.398             | 0.80                 | 10mm                   | 19.5                   | 65.9  | -1.23            |                   |                   |                  |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm                   |                        |       |                  |                   |                   |                  |                  |
|         | Bluetooth Ant 6    |          | 0.006             | 10mm                 |                        |                        |       |                  |                   |                   |                  |                  |
|         | LTE Band 2 Ant 0   | Back     | 0.894             | 0.894                | 10mm                   | 0.3                    | -73.6 | -1.25            | 124.8             | 1.69              | 0.02             | Not required     |
|         | LTE Band 5 Ant 1   |          | 0.398             | 0.80                 | 10mm                   |                        |       |                  |                   |                   |                  |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm                   | -35.2                  | 46    | -1.29            |                   |                   |                  |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm                   |                        |       |                  |                   |                   |                  |                  |
|         | LTE Band 2 Ant 0   | Back     | 0.894             | 0.894                | 10mm                   | 0.3                    | -73.6 | -1.25            | 149.6             | 1.69              | 0.01             | Not required     |
|         | LTE Band 5 Ant 1   |          | 0.398             | 0.80                 | 10mm                   |                        |       |                  |                   |                   |                  |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm                   |                        |       |                  |                   |                   |                  |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm                   | -30.6                  | 72.8  | -1.23            |                   |                   |                  |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm)               | X                      | Y     | Z                | 3D distance (mm)  | Summed SAR (W/kg) | SPLSR Results    | Simultaneous SAR |
| Case 6  | LTE Band 2 Ant 0   | Back     | 0.894             | 0.894                | 10mm                   | 0.3                    | -73.6 | -1.25            | 140.8             | 1.65              | 0.02             | Not required     |
|         | LTE Band 5 Ant 1   |          | 0.398             | 0.76                 | 10mm                   | 19.5                   | 65.9  | -1.23            |                   |                   |                  |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.162             |                      | 10mm                   |                        |       |                  |                   |                   |                  |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.199             | 10mm                 |                        |                        |       |                  |                   |                   |                  |                  |
|         | LTE Band 2 Ant 0   | Back     | 0.894             | 0.894                | 10mm                   | 0.3                    | -73.6 | -1.25            | 106.9             | 1.65              | 0.02             | Not required     |
|         | LTE Band 5 Ant 1   |          | 0.398             | 0.76                 | 10mm                   |                        |       |                  |                   |                   |                  |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.162             |                      | 10mm                   | -29.8                  | 29    | -1.45            |                   |                   |                  |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm                   |                        |       |                  |                   |                   |                  |                  |
|         | LTE Band 2 Ant 0   | Back     | 0.894             | 0.894                | 10mm                   | 0.3                    | -73.6 | -1.25            | 124.8             | 1.65              | 0.02             | Not required     |
|         | LTE Band 5 Ant 1   |          | 0.398             | 0.76                 | 10mm                   |                        |       |                  |                   |                   |                  |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.162             |                      | 10mm                   |                        |       |                  |                   |                   |                  |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm                   | -35.2                  | 46    | -1.29            |                   |                   |                  |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm)               | X                      | Y     | Z                | 3D distance (mm)  | Summed SAR (W/kg) | SPLSR Results    | Simultaneous SAR |
| Case 7  | LTE Band 4 Ant 0   | Back     | 1.164             | 1.164                | 10mm                   | 0.3                    | -73.5 | -1.28            | 140.7             | 1.95              | 0.02             | Not required     |



# FCC SAR Test Report

Report No. : FA461912

|         |                    |          |                   |                      |          |                        |       |       |                  |                   |               |                  |
|---------|--------------------|----------|-------------------|----------------------|----------|------------------------|-------|-------|------------------|-------------------|---------------|------------------|
|         | LTE Band 5 Ant 1   | Back     | 0.398             | 0.79                 | 10mm     | 19.5                   | 65.9  | -1.23 | 106.8            | 1.95              | 0.03          | Not required     |
|         | WLAN2.4GHz Ant 6+7 |          | 0.388             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 4 Ant 0   |          | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 |                  |                   |               |                  |
|         | LTE Band 5 Ant 1   |          | 0.398             | 0.79                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.388             |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 8  | LTE Band 4 Ant 0   | Back     | 1.164             | 0.80                 | 10mm     | 0.3                    | -73.5 | -1.28 | 140.7            | 1.96              | 0.02          | Not required     |
|         | LTE Band 5 Ant 1   |          | 0.398             |                      | 10mm     | 19.5                   | 65.9  | -1.23 |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 4 Ant 0   | Back     | 1.164             | 0.80                 | 10mm     | 0.3                    | -73.5 | -1.28 | 124.7            | 1.96              | 0.02          | Not required     |
|         | LTE Band 5 Ant 1   |          | 0.398             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 4 Ant 0   | Back     | 1.164             | 0.80                 | 10mm     | 0.3                    | -73.5 | -1.28 | 149.5            | 1.96              | 0.02          | Not required     |
|         | LTE Band 5 Ant 1   |          | 0.398             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     | -30.6                  | 72.8  | -1.23 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 9  | LTE Band 4 Ant 0   | Back     | 1.164             | 0.76                 | 10mm     | 0.3                    | -73.5 | -1.28 | 140.7            | 1.92              | 0.02          | Not required     |
|         | LTE Band 5 Ant 1   |          | 0.398             |                      | 10mm     | 19.5                   | 65.9  | -1.23 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.162             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 4 Ant 0   | Back     | 1.164             | 0.76                 | 10mm     | 0.3                    | -73.5 | -1.28 | 106.8            | 1.92              | 0.03          | Not required     |
|         | LTE Band 5 Ant 1   |          | 0.398             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.162             |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 4 Ant 0   | Back     | 1.164             | 0.76                 | 10mm     | 0.3                    | -73.5 | -1.28 | 106.8            | 1.92              | 0.03          | Not required     |
|         | LTE Band 5 Ant 1   |          | 0.398             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.162             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 10 | LTE Band 4 Ant 0   | Back     | 1.164             | 0.61                 | 10mm     | 0.3                    | -73.5 | -1.28 | 138.8            | 1.78              | 0.02          | Not required     |
|         | LTE Band 12 Ant 1  |          | 0.226             |                      | 10mm     | 18.9                   | 64    | -1.21 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.388             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 4 Ant 0   | Back     | 1.164             | 0.61                 | 10mm     | 0.3                    | -73.5 | -1.28 | 106.8            | 1.78              | 0.02          | Not required     |
|         | LTE Band 12 Ant 1  |          | 0.226             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.388             |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 11 | LTE Band 4 Ant 0   | Back     | 1.164             | 0.62                 | 10mm     | 0.3                    | -73.5 | -1.28 | 138.8            | 1.79              | 0.02          | Not required     |
|         | LTE Band 12 Ant 1  |          | 0.226             |                      | 10mm     | 18.9                   | 64    | -1.21 |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 4 Ant 0   | Back     | 1.164             | 0.62                 | 10mm     | 0.3                    | -73.5 | -1.28 | 124.7            | 1.79              | 0.02          | Not required     |
|         | LTE Band 12 Ant 1  |          | 0.226             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 4 Ant 0   | Back     | 1.164             | 0.62                 | 10mm     | 0.3                    | -73.5 | -1.28 | 149.5            | 1.79              | 0.02          | Not required     |
|         | LTE Band 12 Ant 1  |          | 0.226             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     | -30.6                  | 72.8  | -1.23 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 12 | LTE Band 4 Ant 0   | Back     | 1.164             | 0.59                 | 10mm     | 0.3                    | -73.5 | -1.28 | 138.8            | 1.75              | 0.02          | Not required     |
|         | LTE Band 12 Ant 1  |          | 0.226             |                      | 10mm     | 18.9                   | 64    | -1.21 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.162             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |



# FCC SAR Test Report

Report No. : FA461912

|         |                    |          |                   |                      |          |                        |       |       |                  |                   |               |                  |
|---------|--------------------|----------|-------------------|----------------------|----------|------------------------|-------|-------|------------------|-------------------|---------------|------------------|
|         | LTE Band 4 Ant 0   | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 106.8            | 1.75              | 0.02          | Not required     |
|         | LTE Band 12 Ant 1  |          | 0.226             | 0.59                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.162             |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 4 Ant 0   | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 124.7            | 1.75              | 0.02          | Not required     |
|         | LTE Band 12 Ant 1  |          | 0.226             | 0.59                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.162             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 13 | LTE Band 4 Ant 0   | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 138.2            | 1.83              | 0.02          | Not required     |
|         | LTE Band 13 Ant 1  |          | 0.277             | 0.67                 | 10mm     | 18.4                   | 63.5  | -1.25 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.388             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 4 Ant 0   | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 106.8            | 1.83              | 0.02          | Not required     |
|         | LTE Band 13 Ant 1  |          | 0.277             | 0.67                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.388             |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 14 | LTE Band 4 Ant 0   | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 138.2            | 1.84              | 0.02          | Not required     |
|         | LTE Band 13 Ant 1  |          | 0.277             | 0.67                 | 10mm     | 18.4                   | 63.5  | -1.25 |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 4 Ant 0   | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 124.7            | 1.84              | 0.02          | Not required     |
|         | LTE Band 13 Ant 1  |          | 0.277             | 0.67                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 4 Ant 0   | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 149.5            | 1.84              | 0.02          | Not required     |
|         | LTE Band 13 Ant 1  |          | 0.277             | 0.67                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     | -30.6                  | 72.8  | -1.23 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 15 | LTE Band 4 Ant 0   | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 138.2            | 1.80              | 0.02          | Not required     |
|         | LTE Band 13 Ant 1  |          | 0.277             | 0.64                 | 10mm     | 18.4                   | 63.5  | -1.25 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.162             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 4 Ant 0   | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 106.8            | 1.80              | 0.02          | Not required     |
|         | LTE Band 13 Ant 1  |          | 0.277             | 0.64                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.162             |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 4 Ant 0   | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 124.7            | 1.80              | 0.02          | Not required     |
|         | LTE Band 13 Ant 1  |          | 0.277             | 0.64                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.162             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 16 | LTE Band 30 Ant 0  | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73   | -1.28 | 142.4            | 1.92              | 0.02          | Not required     |
|         | LTE Band 5 Ant 1   |          | 0.398             | 0.79                 | 10mm     | 19.5                   | 65.9  | -1.23 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.388             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 30 Ant 0  | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73   | -1.28 | 103.5            | 1.92              | 0.03          | Not required     |
|         | LTE Band 5 Ant 1   |          | 0.398             | 0.79                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.388             |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 17 | LTE Band 30 Ant 0  | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73   | -1.28 | 142.4            | 1.93              | 0.02          | Not required     |
|         | LTE Band 5 Ant 1   |          | 0.398             | 0.80                 | 10mm     | 19.5                   | 65.9  | -1.23 |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 30 Ant 0  | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73   | -1.28 | 121.2            | 1.93              | 0.02          | Not required     |
|         | LTE Band 5 Ant 1   |          | 0.398             | 0.80                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |



# FCC SAR Test Report

Report No. : FA461912

|         |                    |          |                   |                      |          |                        |       |       |                  |                   |               |                  |
|---------|--------------------|----------|-------------------|----------------------|----------|------------------------|-------|-------|------------------|-------------------|---------------|------------------|
|         | Bluetooth Ant 6    | Back     | 0.006             |                      | 10mm     |                        |       |       | 147.0            | 1.93              | 0.02          | Not required     |
|         | LTE Band 30 Ant 0  |          | 1.138             | 1.138                | 10mm     | -12.1                  | -73   | -1.28 |                  |                   |               |                  |
|         | LTE Band 5 Ant 1   |          | 0.398             | 0.80                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     | -30.6                  | 72.8  | -1.23 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 18 | LTE Band 30 Ant 0  | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73   | -1.28 | 142.4            | 1.90              | 0.02          | Not required     |
|         | LTE Band 5 Ant 1   |          | 0.398             | 0.76                 | 10mm     | 19.5                   | 65.9  | -1.23 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.162             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 30 Ant 0  | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73   | -1.28 | 103.5            | 1.90              | 0.03          | Not required     |
|         | LTE Band 5 Ant 1   |          | 0.398             | 0.76                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.162             |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 30 Ant 0  | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73   | -1.28 | 121.2            | 1.90              | 0.02          | Not required     |
|         | LTE Band 5 Ant 1   |          | 0.398             | 0.76                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.162             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 19 | LTE Band 66 Ant 0  | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 140.7            | 1.95              | 0.02          | Not required     |
|         | LTE Band 5 Ant 1   |          | 0.398             | 0.79                 | 10mm     | 19.5                   | 65.9  | -1.23 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.388             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 66 Ant 0  | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 106.8            | 1.95              | 0.03          | Not required     |
|         | LTE Band 5 Ant 1   |          | 0.398             | 0.79                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.388             |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 20 | LTE Band 66 Ant 0  | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 140.7            | 1.96              | 0.02          | Not required     |
|         | LTE Band 5 Ant 1   |          | 0.398             | 0.80                 | 10mm     | 19.5                   | 65.9  | -1.23 |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 66 Ant 0  | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 124.7            | 1.96              | 0.02          | Not required     |
|         | LTE Band 5 Ant 1   |          | 0.398             | 0.80                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 66 Ant 0  | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 149.5            | 1.96              | 0.02          | Not required     |
|         | LTE Band 5 Ant 1   |          | 0.398             | 0.80                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     | -30.6                  | 72.8  | -1.23 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 21 | LTE Band 66 Ant 0  | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 140.7            | 1.92              | 0.02          | Not required     |
|         | LTE Band 5 Ant 1   |          | 0.398             | 0.76                 | 10mm     | 19.5                   | 65.9  | -1.23 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.162             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 66 Ant 0  | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 106.8            | 1.92              | 0.03          | Not required     |
|         | LTE Band 5 Ant 1   |          | 0.398             | 0.76                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.162             |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 66 Ant 0  | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 124.7            | 1.92              | 0.02          | Not required     |
|         | LTE Band 5 Ant 1   |          | 0.398             | 0.76                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.162             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 22 | LTE Band 30 Ant 0  | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73   | -1.28 | 140.5            | 1.75              | 0.02          | Not required     |
|         | LTE Band 12 Ant 1  |          | 0.226             | 0.61                 | 10mm     | 18.9                   | 64    | -1.21 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 | Back     | 0.388             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 30 Ant 0  |          | 1.138             | 1.138                | 10mm     | -12.1                  | -73   | -1.28 | 103.5            | 1.75              | 0.02          | Not required     |



# FCC SAR Test Report

Report No. : FA461912

|         | LTE Band 12 Ant 1  |          | 0.226             | 0.61                 | 10mm     |                        |       |       |                  |                   |               |                  |
|---------|--------------------|----------|-------------------|----------------------|----------|------------------------|-------|-------|------------------|-------------------|---------------|------------------|
|         | WLAN2.4GHz Ant 6+7 |          | 0.388             |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 23 | LTE Band 30 Ant 0  | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73   | -1.28 | 140.5            | 1.76              | 0.02          | Not required     |
|         | LTE Band 12 Ant 1  |          | 0.226             | 0.62                 | 10mm     | 18.9                   | 64    | -1.21 |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 30 Ant 0  | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73   | -1.28 | 121.2            | 1.76              | 0.02          | Not required     |
|         | LTE Band 12 Ant 1  |          | 0.226             | 0.62                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 30 Ant 0  | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73   | -1.28 | 147.0            | 1.76              | 0.02          | Not required     |
|         | LTE Band 12 Ant 1  |          | 0.226             | 0.62                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     | -30.6                  | 72.8  | -1.23 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 24 | LTE Band 30 Ant 0  | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73   | -1.28 | 140.5            | 1.73              | 0.02          | Not required     |
|         | LTE Band 12 Ant 1  |          | 0.226             | 0.59                 | 10mm     | 18.9                   | 64    | -1.21 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.162             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 30 Ant 0  | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73   | -1.28 | 103.5            | 1.73              | 0.02          | Not required     |
|         | LTE Band 12 Ant 1  |          | 0.226             | 0.59                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.162             |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 30 Ant 0  | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73   | -1.28 | 121.2            | 1.73              | 0.02          | Not required     |
|         | LTE Band 12 Ant 1  |          | 0.226             | 0.59                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.162             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 25 | LTE Band 66 Ant 0  | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 138.8            | 1.78              | 0.02          | Not required     |
|         | LTE Band 12 Ant 1  |          | 0.226             | 0.61                 | 10mm     | 18.9                   | 64    | -1.21 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.388             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 66 Ant 0  | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 106.8            | 1.78              | 0.02          | Not required     |
|         | LTE Band 12 Ant 1  |          | 0.226             | 0.61                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.388             |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 26 | LTE Band 66 Ant 0  | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 138.8            | 1.79              | 0.02          | Not required     |
|         | LTE Band 12 Ant 1  |          | 0.226             | 0.62                 | 10mm     | 18.9                   | 64    | -1.21 |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 66 Ant 0  | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 124.7            | 1.79              | 0.02          | Not required     |
|         | LTE Band 12 Ant 1  |          | 0.226             | 0.62                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 66 Ant 0  | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 149.5            | 1.79              | 0.02          | Not required     |
|         | LTE Band 12 Ant 1  |          | 0.226             | 0.62                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     | -30.6                  | 72.8  | -1.23 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 27 | LTE Band 66 Ant 0  | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 138.8            | 1.75              | 0.02          | Not required     |
|         | LTE Band 12 Ant 1  |          | 0.226             | 0.59                 | 10mm     | 18.9                   | 64    | -1.21 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.162             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 66 Ant 0  | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 106.8            | 1.75              | 0.02          | Not required     |
|         | LTE Band 12 Ant 1  |          | 0.226             | 0.59                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.162             |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |



# FCC SAR Test Report

Report No. : FA461912

|         |                    |          |                   |                      |          |                        |       |       |                  |                   |               |                  |
|---------|--------------------|----------|-------------------|----------------------|----------|------------------------|-------|-------|------------------|-------------------|---------------|------------------|
|         | WLAN5GHz Ant 6+7   | Back     | 0.199             |                      | 10mm     |                        |       |       | 124.7            | 1.75              | 0.02          | Not required     |
|         | LTE Band 66 Ant 0  |          | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 |                  |                   |               |                  |
|         | LTE Band 12 Ant 1  |          | 0.226             | 0.59                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.162             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 28 | LTE Band 66 Ant 0  | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 138.2            | 1.83              | 0.02          | Not required     |
|         | LTE Band 13 Ant 1  |          | 0.277             | 0.67                 | 10mm     | 18.4                   | 63.5  | -1.25 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.388             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 66 Ant 0  | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 106.8            | 1.83              | 0.02          | Not required     |
|         | LTE Band 13 Ant 1  |          | 0.277             | 0.67                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.388             |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 29 | LTE Band 66 Ant 0  | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 138.2            | 1.84              | 0.02          | Not required     |
|         | LTE Band 13 Ant 1  |          | 0.277             | 0.67                 | 10mm     | 18.4                   | 63.5  | -1.25 |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 66 Ant 0  | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 124.7            | 1.84              | 0.02          | Not required     |
|         | LTE Band 13 Ant 1  |          | 0.277             | 0.67                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 66 Ant 0  | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 149.5            | 1.84              | 0.02          | Not required     |
|         | LTE Band 13 Ant 1  |          | 0.277             | 0.67                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     | -30.6                  | 72.8  | -1.23 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | X                      | Y     | Z     | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 30 | LTE Band 66 Ant 0  | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 138.2            | 1.80              | 0.02          | Not required     |
|         | LTE Band 13 Ant 1  |          | 0.277             | 0.64                 | 10mm     | 18.4                   | 63.5  | -1.25 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.162             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 66 Ant 0  | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 106.8            | 1.80              | 0.02          | Not required     |
|         | LTE Band 13 Ant 1  |          | 0.277             | 0.64                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.162             |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 66 Ant 0  | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 124.7            | 1.80              | 0.02          | Not required     |
|         | LTE Band 13 Ant 1  |          | 0.277             | 0.64                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.162             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | X                      | Y     | Z     | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 31 | LTE Band 30 Ant 0  | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73   | -1.28 | 145.0            | 1.76              | 0.02          | Not required     |
|         | LTE Band 14 Ant 1  |          | 0.236             | 0.62                 | 10mm     | 20.2                   | 68.4  | -1.25 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.388             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 30 Ant 0  | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73   | -1.28 | 103.5            | 1.76              | 0.02          | Not required     |
|         | LTE Band 14 Ant 1  |          | 0.236             | 0.62                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.388             |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | X                      | Y     | Z     | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 32 | LTE Band 30 Ant 0  | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73   | -1.28 | 145.0            | 1.77              | 0.02          | Not required     |
|         | LTE Band 14 Ant 1  |          | 0.236             | 0.63                 | 10mm     | 20.2                   | 68.4  | -1.25 |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 30 Ant 0  | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73   | -1.28 | 121.2            | 1.77              | 0.02          | Not required     |
|         | LTE Band 14 Ant 1  |          | 0.236             | 0.63                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 30 Ant 0  | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73   | -1.28 | 147.0            | 1.77              | 0.02          | Not required     |
|         | LTE Band 14 Ant 1  |          | 0.236             | 0.63                 | 10mm     |                        |       |       |                  |                   |               |                  |



# FCC SAR Test Report

Report No. : FA461912

|         |                    |          |                   |                      |          |                        |       |       |                  |                   |               |                  |
|---------|--------------------|----------|-------------------|----------------------|----------|------------------------|-------|-------|------------------|-------------------|---------------|------------------|
|         | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     | -30.6                  | 72.8  | -1.23 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 33 | LTE Band 30 Ant 0  | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73   | -1.28 | 145.0            | 1.74              | 0.02          | Not required     |
|         | LTE Band 14 Ant 1  |          | 0.236             | 0.60                 | 10mm     | 20.2                   | 68.4  | -1.25 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.162             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 30 Ant 0  | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73   | -1.28 | 103.5            | 1.74              | 0.02          | Not required     |
|         | LTE Band 14 Ant 1  |          | 0.236             | 0.60                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.162             |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 30 Ant 0  | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73   | -1.28 | 121.2            | 1.74              | 0.02          | Not required     |
|         | LTE Band 14 Ant 1  |          | 0.236             | 0.60                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.162             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 34 | LTE Band 66 Ant 0  | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 143.3            | 1.79              | 0.02          | Not required     |
|         | LTE Band 14 Ant 1  |          | 0.236             | 0.62                 | 10mm     | 20.2                   | 68.4  | -1.25 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.388             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 66 Ant 0  | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 106.8            | 1.79              | 0.02          | Not required     |
|         | LTE Band 14 Ant 1  |          | 0.236             | 0.62                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.388             |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 35 | LTE Band 66 Ant 0  | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 143.3            | 1.80              | 0.02          | Not required     |
|         | LTE Band 14 Ant 1  |          | 0.236             | 0.63                 | 10mm     | 20.2                   | 68.4  | -1.25 |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 66 Ant 0  | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 124.7            | 1.80              | 0.02          | Not required     |
|         | LTE Band 14 Ant 1  |          | 0.236             | 0.63                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 66 Ant 0  | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 149.5            | 1.80              | 0.02          | Not required     |
|         | LTE Band 14 Ant 1  |          | 0.236             | 0.63                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     | -30.6                  | 72.8  | -1.23 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 36 | LTE Band 66 Ant 0  | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 143.3            | 1.76              | 0.02          | Not required     |
|         | LTE Band 14 Ant 1  |          | 0.236             | 0.60                 | 10mm     | 20.2                   | 68.4  | -1.25 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.162             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 66 Ant 0  | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 106.8            | 1.76              | 0.02          | Not required     |
|         | LTE Band 14 Ant 1  |          | 0.236             | 0.60                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.162             |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 66 Ant 0  | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 124.7            | 1.76              | 0.02          | Not required     |
|         | LTE Band 14 Ant 1  |          | 0.236             | 0.60                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.162             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 37 | FR1 n66 Ant 0      | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 142.0            | 1.76              | 0.02          | Not required     |
|         | LTE Band 13 Ant 1  |          | 0.277             | 0.67                 | 10mm     | 18.4                   | 63.5  | -1.25 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.388             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | FR1 n66 Ant 0      | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 108.6            | 1.76              | 0.02          | Not required     |
|         | LTE Band 13 Ant 1  |          | 0.277             | 0.67                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.388             |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |



# FCC SAR Test Report

Report No. : FA461912

|         |                    |          | (W/kg)               | 1g SAR<br>(W/kg)           | (mm)        | X                      | Y     | Z     | distance<br>(mm)       | SAR<br>(W/kg)           |                  |                     |
|---------|--------------------|----------|----------------------|----------------------------|-------------|------------------------|-------|-------|------------------------|-------------------------|------------------|---------------------|
| Case 38 | FR1 n66 Ant 0      | Back     | 1.091                | 1.091                      | 10mm        | -4.5                   | -76.6 | 1.32  | 142.0                  | 1.77                    | 0.02             | Not required        |
|         | LTE Band 13 Ant 1  |          | 0.277                |                            | 10mm        | 18.4                   | 63.5  | -1.25 |                        |                         |                  |                     |
|         | WLAN5GHz Ant 6+7   |          | 0.391                |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|         | Bluetooth Ant 6    |          | 0.006                |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|         | FR1 n66 Ant 0      | Back     | 1.091                | 1.091                      | 10mm        | -4.5                   | -76.6 | 1.32  | 126.4                  | 1.77                    | 0.02             | Not required        |
|         | LTE Band 13 Ant 1  |          | 0.277                |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|         | WLAN5GHz Ant 6+7   |          | 0.391                |                            | 10mm        | -35.2                  | 46    | -1.29 |                        |                         |                  |                     |
|         | Bluetooth Ant 6    |          | 0.006                |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|         | FR1 n66 Ant 0      | Back     | 1.091                | 1.091                      | 10mm        | -4.5                   | -76.6 | 1.32  | 151.7                  | 1.77                    | 0.02             | Not required        |
|         | LTE Band 13 Ant 1  |          | 0.277                |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|         | WLAN5GHz Ant 6+7   |          | 0.391                |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|         | Bluetooth Ant 6    |          | 0.006                |                            | 10mm        | -30.6                  | 72.8  | -1.23 |                        |                         |                  |                     |
| Case No | Band               | Position | SAR 1g SAR<br>(W/kg) | Summed<br>1g SAR<br>(W/kg) | Gap<br>(mm) | SAR peak location (mm) |       |       | 3D<br>distance<br>(mm) | Summed<br>SAR<br>(W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
| Case 39 | FR1 n66 Ant 0      | Back     | 1.091                | 1.091                      | 10mm        | -4.5                   | -76.6 | 1.32  | 142.0                  | 1.73                    | 0.02             | Not required        |
|         | LTE Band 13 Ant 1  |          | 0.277                |                            | 10mm        | 18.4                   | 63.5  | -1.25 |                        |                         |                  |                     |
|         | WLAN2.4GHz Ant 6+7 |          | 0.162                |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|         | WLAN5GHz Ant 6+7   |          | 0.199                |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|         | FR1 n66 Ant 0      | Back     | 1.091                | 1.091                      | 10mm        | -4.5                   | -76.6 | 1.32  | 108.6                  | 1.73                    | 0.02             | Not required        |
|         | LTE Band 13 Ant 1  |          | 0.277                |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|         | WLAN2.4GHz Ant 6+7 |          | 0.162                |                            | 10mm        | -29.8                  | 29    | -1.45 |                        |                         |                  |                     |
|         | WLAN5GHz Ant 6+7   |          | 0.199                |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|         | FR1 n66 Ant 0      | Back     | 1.091                | 1.091                      | 10mm        | -4.5                   | -76.6 | 1.32  | 126.4                  | 1.73                    | 0.02             | Not required        |
|         | LTE Band 13 Ant 1  |          | 0.277                |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|         | WLAN2.4GHz Ant 6+7 |          | 0.162                |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|         | WLAN5GHz Ant 6+7   |          | 0.199                |                            | 10mm        | -35.2                  | 46    | -1.29 |                        |                         |                  |                     |
| Case No | Band               | Position | SAR 1g SAR<br>(W/kg) | Summed<br>1g SAR<br>(W/kg) | Gap<br>(mm) | SAR peak location (mm) |       |       | 3D<br>distance<br>(mm) | Summed<br>SAR<br>(W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
| Case 40 | LTE Band 30 Ant 0  | Back     | 1.138                | 1.138                      | 10mm        | -12.1                  | -73   | -1.28 | 146.6                  | 2.00                    | 0.02             | Not required        |
|         | FR1 n2 Ant 5       |          | 0.47                 |                            | 10mm        | -18.5                  | 73.5  | -1.42 |                        |                         |                  |                     |
|         | WLAN2.4GHz Ant 6+7 |          | 0.388                |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|         | LTE Band 30 Ant 0  | Back     | 1.138                | 1.138                      | 10mm        | -12.1                  | -73   | -1.28 | 103.5                  | 2.00                    | 0.03             | Not required        |
|         | FR1 n2 Ant 5       |          | 0.47                 |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|         | WLAN2.4GHz Ant 6+7 |          | 0.388                |                            | 10mm        | -29.8                  | 29    | -1.45 |                        |                         |                  |                     |
| Case No | Band               | Position | SAR 1g SAR<br>(W/kg) | Summed<br>1g SAR<br>(W/kg) | Gap<br>(mm) | SAR peak location (mm) |       |       | 3D<br>distance<br>(mm) | Summed<br>SAR<br>(W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
| Case 41 | LTE Band 30 Ant 0  | Back     | 1.138                | 1.138                      | 10mm        | -12.1                  | -73   | -1.28 | 146.6                  | 2.01                    | 0.02             | Not required        |
|         | FR1 n2 Ant 5       |          | 0.47                 |                            | 10mm        | -18.5                  | 73.5  | -1.42 |                        |                         |                  |                     |
|         | WLAN5GHz Ant 6+7   |          | 0.391                |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|         | Bluetooth Ant 6    |          | 0.006                |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|         | LTE Band 30 Ant 0  | Back     | 1.138                | 1.138                      | 10mm        | -12.1                  | -73   | -1.28 | 121.2                  | 2.01                    | 0.02             | Not required        |
|         | FR1 n2 Ant 5       |          | 0.47                 |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|         | WLAN5GHz Ant 6+7   |          | 0.391                |                            | 10mm        | -35.2                  | 46    | -1.29 |                        |                         |                  |                     |
|         | Bluetooth Ant 6    |          | 0.006                |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|         | LTE Band 30 Ant 0  | Back     | 1.138                | 1.138                      | 10mm        | -12.1                  | -73   | -1.28 | 147.0                  | 2.01                    | 0.02             | Not required        |
|         | FR1 n2 Ant 5       |          | 0.47                 |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|         | WLAN5GHz Ant 6+7   |          | 0.391                |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|         | Bluetooth Ant 6    |          | 0.006                |                            | 10mm        | -30.6                  | 72.8  | -1.23 |                        |                         |                  |                     |
| Case No | Band               | Position | SAR 1g SAR<br>(W/kg) | Summed<br>1g SAR<br>(W/kg) | Gap<br>(mm) | SAR peak location (mm) |       |       | 3D<br>distance<br>(mm) | Summed<br>SAR<br>(W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
| Case 42 | LTE Band 30 Ant 0  | Back     | 1.138                | 1.138                      | 10mm        | -12.1                  | -73   | -1.28 | 146.6                  | 1.97                    | 0.02             | Not required        |
|         | FR1 n2 Ant 5       |          | 0.47                 |                            | 10mm        | -18.5                  | 73.5  | -1.42 |                        |                         |                  |                     |
|         | WLAN2.4GHz Ant 6+7 |          | 0.162                |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|         | WLAN5GHz Ant 6+7   |          | 0.199                |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|         | LTE Band 30 Ant 0  | Back     | 1.138                | 1.138                      | 10mm        | -12.1                  | -73   | -1.28 | 103.5                  | 1.97                    | 0.03             | Not required        |
|         | FR1 n2 Ant 5       |          | 0.47                 |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|         | WLAN2.4GHz Ant 6+7 |          | 0.162                |                            | 10mm        | -29.8                  | 29    | -1.45 |                        |                         |                  |                     |
|         | WLAN5GHz Ant 6+7   |          | 0.199                |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|         | LTE Band 30 Ant 0  | Back     | 1.138                | 1.138                      | 10mm        | -12.1                  | -73   | -1.28 | 121.2                  | 1.97                    | 0.02             | Not required        |
|         | FR1 n2 Ant 5       |          | 0.47                 |                            | 10mm        |                        |       |       |                        |                         |                  |                     |



# FCC SAR Test Report

Report No. : FA461912

|         |                    |          |                   |                      |          |                        |       |       |                  |                   |               |                  |
|---------|--------------------|----------|-------------------|----------------------|----------|------------------------|-------|-------|------------------|-------------------|---------------|------------------|
|         | WLAN2.4GHz Ant 6+7 |          | 0.162             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 43 | LTE Band 2 Ant 0   | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 140.9            | 1.64              | 0.01          | Not required     |
|         | FR1 n5 Ant 1       |          | 0.36              | 0.75                 | 10mm     | 19.4                   | 66    | -1.28 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.388             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 2 Ant 0   | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 106.9            | 1.64              | 0.02          | Not required     |
|         | FR1 n5 Ant 1       |          | 0.36              | 0.75                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.388             |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 44 | LTE Band 2 Ant 0   | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 140.9            | 1.65              | 0.02          | Not required     |
|         | FR1 n5 Ant 1       |          | 0.36              | 0.76                 | 10mm     | 19.4                   | 66    | -1.28 |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 2 Ant 0   | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 124.8            | 1.65              | 0.02          | Not required     |
|         | FR1 n5 Ant 1       |          | 0.36              | 0.76                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 2 Ant 0   | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 149.6            | 1.65              | 0.01          | Not required     |
|         | FR1 n5 Ant 1       |          | 0.36              | 0.76                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     | -30.6                  | 72.8  | -1.23 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 45 | LTE Band 2 Ant 0   | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 140.9            | 1.62              | 0.01          | Not required     |
|         | FR1 n5 Ant 1       |          | 0.36              | 0.72                 | 10mm     | 19.4                   | 66    | -1.28 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.162             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 2 Ant 0   | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 106.9            | 1.62              | 0.02          | Not required     |
|         | FR1 n5 Ant 1       |          | 0.36              | 0.72                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.162             |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 2 Ant 0   | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 124.8            | 1.62              | 0.02          | Not required     |
|         | FR1 n5 Ant 1       |          | 0.36              | 0.72                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.162             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 46 | LTE Band 30 Ant 0  | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73   | -1.28 | 142.5            | 1.89              | 0.02          | Not required     |
|         | FR1 n5 Ant 1       |          | 0.36              | 0.75                 | 10mm     | 19.4                   | 66    | -1.28 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.388             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 30 Ant 0  | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73   | -1.28 | 103.5            | 1.89              | 0.03          | Not required     |
|         | FR1 n5 Ant 1       |          | 0.36              | 0.75                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.388             |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 47 | LTE Band 30 Ant 0  | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73   | -1.28 | 142.5            | 1.90              | 0.02          | Not required     |
|         | FR1 n5 Ant 1       |          | 0.36              | 0.76                 | 10mm     | 19.4                   | 66    | -1.28 |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 30 Ant 0  | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73   | -1.28 | 121.2            | 1.90              | 0.02          | Not required     |
|         | FR1 n5 Ant 1       |          | 0.36              | 0.76                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 30 Ant 0  | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73   | -1.28 | 147.0            | 1.90              | 0.02          | Not required     |
|         | FR1 n5 Ant 1       |          | 0.36              | 0.76                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     | -30.6                  | 72.8  | -1.23 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |



# FCC SAR Test Report

Report No. : FA461912

|         |                    |          | (W/kg)               | 1g SAR<br>(W/kg)           | (mm)        | X                      | Y     | Z     | distance<br>(mm)       | SAR<br>(W/kg)           |                  | SAR                 |
|---------|--------------------|----------|----------------------|----------------------------|-------------|------------------------|-------|-------|------------------------|-------------------------|------------------|---------------------|
| Case 48 | LTE Band 30 Ant 0  | Back     | 1.138                | 1.138                      | 10mm        | -12.1                  | -73   | -1.28 | 142.5                  | 1.86                    | 0.02             | Not required        |
|         | FR1 n5 Ant 1       |          | 0.36                 |                            | 10mm        | 19.4                   | 66    | -1.28 |                        |                         |                  |                     |
|         | WLAN2.4GHz Ant 6+7 |          | 0.162                |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|         | WLAN5GHz Ant 6+7   |          | 0.199                |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|         | LTE Band 30 Ant 0  | Back     | 1.138                | 1.138                      | 10mm        | -12.1                  | -73   | -1.28 | 103.5                  | 1.86                    | 0.02             | Not required        |
|         | FR1 n5 Ant 1       |          | 0.36                 |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|         | WLAN2.4GHz Ant 6+7 |          | 0.162                |                            | 10mm        | -29.8                  | 29    | -1.45 |                        |                         |                  |                     |
|         | WLAN5GHz Ant 6+7   |          | 0.199                |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|         | LTE Band 30 Ant 0  | Back     | 1.138                | 1.138                      | 10mm        | -12.1                  | -73   | -1.28 | 121.2                  | 1.86                    | 0.02             | Not required        |
|         | FR1 n5 Ant 1       |          | 0.36                 |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|         | WLAN2.4GHz Ant 6+7 |          | 0.162                |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|         | WLAN5GHz Ant 6+7   |          | 0.199                |                            | 10mm        | -35.2                  | 46    | -1.29 |                        |                         |                  |                     |
| Case No | Band               | Position | SAR 1g SAR<br>(W/kg) | Summed<br>1g SAR<br>(W/kg) | Gap<br>(mm) | SAR peak location (mm) |       |       | 3D<br>distance<br>(mm) | Summed<br>SAR<br>(W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
| Case 49 | LTE Band 66 Ant 0  | Back     | 1.164                | 1.164                      | 10mm        | 0.3                    | -73.5 | -1.28 | 140.8                  | 1.91                    | 0.02             | Not required        |
|         | FR1 n5 Ant 1       |          | 0.36                 |                            | 10mm        | 19.4                   | 66    | -1.28 |                        |                         |                  |                     |
|         | WLAN2.4GHz Ant 6+7 |          | 0.388                |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|         | LTE Band 66 Ant 0  | Back     | 1.164                | 1.164                      | 10mm        | 0.3                    | -73.5 | -1.28 | 106.8                  | 1.91                    | 0.02             | Not required        |
|         | FR1 n5 Ant 1       |          | 0.36                 |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|         | WLAN2.4GHz Ant 6+7 |          | 0.388                |                            | 10mm        | -29.8                  | 29    | -1.45 |                        |                         |                  |                     |
| Case No | Band               | Position | SAR 1g SAR<br>(W/kg) | Summed<br>1g SAR<br>(W/kg) | Gap<br>(mm) | SAR peak location (mm) |       |       | 3D<br>distance<br>(mm) | Summed<br>SAR<br>(W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
| Case 50 | LTE Band 66 Ant 0  | Back     | 1.164                | 1.164                      | 10mm        | 0.3                    | -73.5 | -1.28 | 140.8                  | 1.92                    | 0.02             | Not required        |
|         | FR1 n5 Ant 1       |          | 0.36                 |                            | 10mm        | 19.4                   | 66    | -1.28 |                        |                         |                  |                     |
|         | WLAN5GHz Ant 6+7   |          | 0.391                |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|         | Bluetooth Ant 6    |          | 0.006                |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|         | LTE Band 66 Ant 0  | Back     | 1.164                | 1.164                      | 10mm        | 0.3                    | -73.5 | -1.28 | 124.7                  | 1.92                    | 0.02             | Not required        |
|         | FR1 n5 Ant 1       |          | 0.36                 |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|         | WLAN5GHz Ant 6+7   |          | 0.391                |                            | 10mm        | -35.2                  | 46    | -1.29 |                        |                         |                  |                     |
|         | Bluetooth Ant 6    |          | 0.006                |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|         | LTE Band 66 Ant 0  | Back     | 1.164                | 1.164                      | 10mm        | 0.3                    | -73.5 | -1.28 | 149.5                  | 1.92                    | 0.02             | Not required        |
|         | FR1 n5 Ant 1       |          | 0.36                 |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|         | WLAN5GHz Ant 6+7   |          | 0.391                |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|         | Bluetooth Ant 6    |          | 0.006                |                            | 10mm        | -30.6                  | 72.8  | -1.23 |                        |                         |                  |                     |
| Case No | Band               | Position | SAR 1g SAR<br>(W/kg) | Summed<br>1g SAR<br>(W/kg) | Gap<br>(mm) | SAR peak location (mm) |       |       | 3D<br>distance<br>(mm) | Summed<br>SAR<br>(W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
| Case 51 | LTE Band 66 Ant 0  | Back     | 1.164                | 1.164                      | 10mm        | 0.3                    | -73.5 | -1.28 | 140.8                  | 1.89                    | 0.02             | Not required        |
|         | FR1 n5 Ant 1       |          | 0.36                 |                            | 10mm        | 19.4                   | 66    | -1.28 |                        |                         |                  |                     |
|         | WLAN2.4GHz Ant 6+7 |          | 0.162                |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|         | WLAN5GHz Ant 6+7   |          | 0.199                |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|         | LTE Band 66 Ant 0  | Back     | 1.164                | 1.164                      | 10mm        | 0.3                    | -73.5 | -1.28 | 106.8                  | 1.89                    | 0.02             | Not required        |
|         | FR1 n5 Ant 1       |          | 0.36                 |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|         | WLAN2.4GHz Ant 6+7 |          | 0.162                |                            | 10mm        | -29.8                  | 29    | -1.45 |                        |                         |                  |                     |
|         | WLAN5GHz Ant 6+7   |          | 0.199                |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|         | LTE Band 66 Ant 0  | Back     | 1.164                | 1.164                      | 10mm        | 0.3                    | -73.5 | -1.28 | 124.7                  | 1.89                    | 0.02             | Not required        |
|         | FR1 n5 Ant 1       |          | 0.36                 |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|         | WLAN2.4GHz Ant 6+7 |          | 0.162                |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|         | WLAN5GHz Ant 6+7   |          | 0.199                |                            | 10mm        | -35.2                  | 46    | -1.29 |                        |                         |                  |                     |
| Case No | Band               | Position | SAR 1g SAR<br>(W/kg) | Summed<br>1g SAR<br>(W/kg) | Gap<br>(mm) | SAR peak location (mm) |       |       | 3D<br>distance<br>(mm) | Summed<br>SAR<br>(W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
| Case 52 | FR1 n30 Ant 0      | Back     | 1.273                | 1.273                      | 10mm        | -16.5                  | -81   | -1.33 | 153.8                  | 1.90                    | 0.02             | Not required        |
|         | LTE Band 14 Ant 1  |          | 0.236                |                            | 10mm        | 20.2                   | 68.4  | -1.25 |                        |                         |                  |                     |
|         | WLAN2.4GHz Ant 6+7 |          | 0.388                |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|         | FR1 n30 Ant 0      | Back     | 1.273                | 1.273                      | 10mm        | -16.5                  | -81   | -1.33 | 110.8                  | 1.90                    | 0.02             | Not required        |
|         | LTE Band 14 Ant 1  |          | 0.236                |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|         | WLAN2.4GHz Ant 6+7 |          | 0.388                |                            | 10mm        | -29.8                  | 29    | -1.45 |                        |                         |                  |                     |
| Case No | Band               | Position | SAR 1g SAR<br>(W/kg) | Summed<br>1g SAR<br>(W/kg) | Gap<br>(mm) | SAR peak location (mm) |       |       | 3D<br>distance<br>(mm) | Summed<br>SAR<br>(W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
| Case 53 | FR1 n30 Ant 0      | Back     | 1.273                | 1.273                      | 10mm        | -16.5                  | -81   | -1.33 | 153.8                  | 1.91                    | 0.02             | Not required        |



# FCC SAR Test Report

Report No. : FA461912

|         |                    |          |                   |                      |          |                        |       |       |                  |                   |               |                  |
|---------|--------------------|----------|-------------------|----------------------|----------|------------------------|-------|-------|------------------|-------------------|---------------|------------------|
|         | LTE Band 14 Ant 1  |          | 0.236             | 0.63                 | 10mm     | 20.2                   | 68.4  | -1.25 | 128.4            | 1.91              | 0.02          | Not required     |
|         | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | FR1 n30 Ant 0      | Back     | 1.273             | 1.273                | 10mm     | -16.5                  | -81   | -1.33 | 128.4            | 1.91              | 0.02          | Not required     |
|         | LTE Band 14 Ant 1  |          | 0.236             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             | 0.63                 | 10mm     |                        |       |       | 154.4            | 1.91              | 0.02          | Not required     |
|         | FR1 n30 Ant 0      |          | 1.273             |                      | 10mm     | -16.5                  | -81   | -1.33 |                  |                   |               |                  |
|         | LTE Band 14 Ant 1  |          | 0.236             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   | Back     | 0.391             | 0.63                 | 10mm     |                        |       |       | 154.4            | 1.91              | 0.02          | Not required     |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     | -30.6                  | 72.8  | -1.23 |                  |                   |               |                  |
|         | FR1 n30 Ant 0      |          | 1.273             |                      | 10mm     | -16.5                  | -81   | -1.33 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 54 | FR1 n30 Ant 0      | Back     | 1.273             | 1.273                | 10mm     | -16.5                  | -81   | -1.33 | 153.8            | 1.87              | 0.02          | Not required     |
|         | LTE Band 14 Ant 1  |          | 0.236             |                      | 10mm     | 20.2                   | 68.4  | -1.25 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.162             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   | Back     | 0.199             | 0.60                 | 10mm     |                        |       |       | 110.8            | 1.87              | 0.02          | Not required     |
|         | FR1 n30 Ant 0      |          | 1.273             |                      | 10mm     | -16.5                  | -81   | -1.33 |                  |                   |               |                  |
|         | LTE Band 14 Ant 1  |          | 0.236             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 | Back     | 0.162             | 0.60                 | 10mm     | -29.8                  | 29    | -1.45 | 128.4            | 1.87              | 0.02          | Not required     |
|         | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | FR1 n30 Ant 0      |          | 1.273             |                      | 10mm     | -16.5                  | -81   | -1.33 |                  |                   |               |                  |
|         | LTE Band 14 Ant 1  | Back     | 0.236             | 0.60                 | 10mm     |                        |       |       | 128.4            | 1.87              | 0.02          | Not required     |
|         | WLAN2.4GHz Ant 6+7 |          | 0.162             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 55 | LTE Band 2 Ant 0   | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 149.1            | 1.68              | 0.01          | Not required     |
|         | FR1 n66 Ant 5      |          | 0.394             |                      | 10mm     | -8.8                   | 75.2  | -1.38 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.388             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 2 Ant 0   | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 106.9            | 1.68              | 0.02          | Not required     |
|         | FR1 n66 Ant 5      |          | 0.394             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.388             |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 56 | LTE Band 2 Ant 0   | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 149.1            | 1.69              | 0.01          | Not required     |
|         | FR1 n66 Ant 5      |          | 0.394             |                      | 10mm     | -8.8                   | 75.2  | -1.38 |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6    | Back     | 0.006             | 0.79                 | 10mm     |                        |       |       | 124.8            | 1.69              | 0.02          | Not required     |
|         | LTE Band 2 Ant 0   |          | 0.894             |                      | 10mm     | 0.3                    | -73.6 | -1.25 |                  |                   |               |                  |
|         | FR1 n66 Ant 5      |          | 0.394             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   | Back     | 0.391             | 0.79                 | 10mm     | -35.2                  | 46    | -1.29 | 124.8            | 1.69              | 0.02          | Not required     |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 2 Ant 0   |          | 0.894             |                      | 10mm     | 0.3                    | -73.6 | -1.25 |                  |                   |               |                  |
|         | FR1 n66 Ant 5      | Back     | 0.394             | 0.79                 | 10mm     |                        |       |       | 149.6            | 1.69              | 0.01          | Not required     |
|         | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     | -30.6                  | 72.8  | -1.23 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 57 | LTE Band 2 Ant 0   | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 149.1            | 1.65              | 0.01          | Not required     |
|         | FR1 n66 Ant 5      |          | 0.394             |                      | 10mm     | -8.8                   | 75.2  | -1.38 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.162             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   | Back     | 0.199             | 0.76                 | 10mm     |                        |       |       | 106.9            | 1.65              | 0.02          | Not required     |
|         | LTE Band 2 Ant 0   |          | 0.894             |                      | 10mm     | 0.3                    | -73.6 | -1.25 |                  |                   |               |                  |
|         | FR1 n66 Ant 5      |          | 0.394             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 | Back     | 0.162             | 0.76                 | 10mm     | -29.8                  | 29    | -1.45 | 106.9            | 1.65              | 0.02          | Not required     |
|         | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 2 Ant 0   |          | 0.894             |                      | 10mm     | 0.3                    | -73.6 | -1.25 |                  |                   |               |                  |
|         | FR1 n66 Ant 5      | Back     | 0.394             | 0.894                | 10mm     |                        |       |       | 124.8            | 1.65              | 0.02          | Not required     |
|         | WLAN2.4GHz Ant 6+7 |          | 0.162             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |



# FCC SAR Test Report

Report No. : FA461912

| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
|---------|--------------------|----------|-------------------|----------------------|----------|------------------------|-------|-------|------------------|-------------------|---------------|------------------|
|         |                    |          |                   |                      |          | X                      | Y     | Z     |                  |                   |               |                  |
| Case 58 | FR1 n66 Ant 0      | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 150.8            | 1.86              | 0.02          | Not required     |
|         | LTE Band 2 Ant 5   |          | 0.376             | 0.76                 | 10mm     | -18.5                  | 73.5  | -1.42 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.388             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | FR1 n66 Ant 0      | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 108.6            | 1.86              | 0.02          | Not required     |
|         | LTE Band 2 Ant 5   |          | 0.376             | 0.76                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.388             |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
|         |                    |          |                   |                      |          | X                      | Y     | Z     |                  |                   |               |                  |
| Case 59 | FR1 n66 Ant 0      | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 150.8            | 1.86              | 0.02          | Not required     |
|         | LTE Band 2 Ant 5   |          | 0.376             | 0.77                 | 10mm     | -18.5                  | 73.5  | -1.42 |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | FR1 n66 Ant 0      | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 126.4            | 1.86              | 0.02          | Not required     |
|         | LTE Band 2 Ant 5   |          | 0.376             | 0.77                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | FR1 n66 Ant 0      | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 151.7            | 1.86              | 0.02          | Not required     |
|         | LTE Band 2 Ant 5   |          | 0.376             | 0.77                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     | -30.6                  | 72.8  | -1.23 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
|         |                    |          |                   |                      |          | X                      | Y     | Z     |                  |                   |               |                  |
| Case 60 | FR1 n66 Ant 0      | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 150.8            | 1.83              | 0.02          | Not required     |
|         | LTE Band 2 Ant 5   |          | 0.376             | 0.74                 | 10mm     | -18.5                  | 73.5  | -1.42 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.162             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | FR1 n66 Ant 0      | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 108.6            | 1.83              | 0.02          | Not required     |
|         | LTE Band 2 Ant 5   |          | 0.376             | 0.74                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.162             |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | FR1 n66 Ant 0      | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 126.4            | 1.83              | 0.02          | Not required     |
|         | LTE Band 2 Ant 5   |          | 0.376             | 0.74                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.162             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
|         |                    |          |                   |                      |          | X                      | Y     | Z     |                  |                   |               |                  |
| Case 61 | FR1 n66 Ant 0      | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 144.5            | 1.88              | 0.02          | Not required     |
|         | LTE Band 5 Ant 1   |          | 0.398             | 0.79                 | 10mm     | 19.5                   | 65.9  | -1.23 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.388             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | FR1 n66 Ant 0      | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 108.6            | 1.88              | 0.02          | Not required     |
|         | LTE Band 5 Ant 1   |          | 0.398             | 0.79                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.388             |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
|         |                    |          |                   |                      |          | X                      | Y     | Z     |                  |                   |               |                  |
| Case 62 | FR1 n66 Ant 0      | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 144.5            | 1.89              | 0.02          | Not required     |
|         | LTE Band 5 Ant 1   |          | 0.398             | 0.80                 | 10mm     | 19.5                   | 65.9  | -1.23 |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | FR1 n66 Ant 0      | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 126.4            | 1.89              | 0.02          | Not required     |
|         | LTE Band 5 Ant 1   |          | 0.398             | 0.80                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | FR1 n66 Ant 0      | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 151.7            | 1.89              | 0.02          | Not required     |
|         | LTE Band 5 Ant 1   |          | 0.398             | 0.80                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     | -30.6                  | 72.8  | -1.23 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
|         |                    |          |                   |                      |          | X                      | Y     | Z     |                  |                   |               |                  |



# FCC SAR Test Report

Report No. : FA461912

|         |                    |          |                   |                      |          |                        |       |       |                  |                   |               |                  |
|---------|--------------------|----------|-------------------|----------------------|----------|------------------------|-------|-------|------------------|-------------------|---------------|------------------|
| Case 63 | FR1 n66 Ant 0      | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 144.5            | 1.85              | 0.02          | Not required     |
|         | LTE Band 5 Ant 1   |          | 0.398             | 0.76                 | 10mm     | 19.5                   | 65.9  | -1.23 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.162             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | FR1 n66 Ant 0      | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 108.6            | 1.85              | 0.02          | Not required     |
|         | LTE Band 5 Ant 1   |          | 0.398             | 0.76                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.162             |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | FR1 n66 Ant 0      | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 126.4            | 1.85              | 0.02          | Not required     |
|         | LTE Band 5 Ant 1   |          | 0.398             | 0.76                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.162             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 64 | FR1 n66 Ant 0      | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 142.6            | 1.71              | 0.02          | Not required     |
|         | LTE Band 12 Ant 1  |          | 0.226             | 0.61                 | 10mm     | 18.9                   | 64    | -1.21 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.388             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | FR1 n66 Ant 0      | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 108.6            | 1.71              | 0.02          | Not required     |
|         | LTE Band 12 Ant 1  |          | 0.226             | 0.61                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.388             |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 65 | FR1 n66 Ant 0      | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 142.6            | 1.71              | 0.02          | Not required     |
|         | LTE Band 12 Ant 1  |          | 0.226             | 0.62                 | 10mm     | 18.9                   | 64    | -1.21 |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | FR1 n66 Ant 0      | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 126.4            | 1.71              | 0.02          | Not required     |
|         | LTE Band 12 Ant 1  |          | 0.226             | 0.62                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | FR1 n66 Ant 0      | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 151.7            | 1.71              | 0.01          | Not required     |
|         | LTE Band 12 Ant 1  |          | 0.226             | 0.62                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     | -30.6                  | 72.8  | -1.23 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 66 | FR1 n66 Ant 0      | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 142.6            | 1.68              | 0.02          | Not required     |
|         | LTE Band 12 Ant 1  |          | 0.226             | 0.59                 | 10mm     | 18.9                   | 64    | -1.21 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.162             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | FR1 n66 Ant 0      | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 108.6            | 1.68              | 0.02          | Not required     |
|         | LTE Band 12 Ant 1  |          | 0.226             | 0.59                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.162             |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | FR1 n66 Ant 0      | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 126.4            | 1.68              | 0.02          | Not required     |
|         | LTE Band 12 Ant 1  |          | 0.226             | 0.59                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.162             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 67 | FR1 n66 Ant 0      | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 147.1            | 1.72              | 0.02          | Not required     |
|         | LTE Band 14 Ant 1  |          | 0.236             | 0.62                 | 10mm     | 20.2                   | 68.4  | -1.25 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.388             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | FR1 n66 Ant 0      | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 108.6            | 1.72              | 0.02          | Not required     |
|         | LTE Band 14 Ant 1  |          | 0.236             | 0.62                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.388             |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 68 | FR1 n66 Ant 0      | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 147.1            | 1.72              | 0.02          | Not required     |
|         | LTE Band 14 Ant 1  |          | 0.236             | 0.63                 | 10mm     | 20.2                   | 68.4  | -1.25 |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     |                        |       |       |                  |                   |               |                  |



# FCC SAR Test Report

Report No. : FA461912

|         |                    |          |                   |                      |          |                        |       |       |                  |                   |               |                  |
|---------|--------------------|----------|-------------------|----------------------|----------|------------------------|-------|-------|------------------|-------------------|---------------|------------------|
|         | Bluetooth Ant 6    | Back     | 0.006             |                      | 10mm     |                        |       |       | 126.4            | 1.72              | 0.02          | Not required     |
|         | FR1 n66 Ant 0      |          | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  |                  |                   |               |                  |
|         | LTE Band 14 Ant 1  |          | 0.236             | 0.63                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | FR1 n66 Ant 0      | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 151.7            | 1.72              | 0.01          | Not required     |
|         | LTE Band 14 Ant 1  |          | 0.236             | 0.63                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     | -30.6                  | 72.8  | -1.23 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 69 | FR1 n66 Ant 0      | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 147.1            | 1.69              | 0.01          | Not required     |
|         | LTE Band 14 Ant 1  |          | 0.236             | 0.60                 | 10mm     | 20.2                   | 68.4  | -1.25 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.162             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | FR1 n66 Ant 0      | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 108.6            | 1.69              | 0.02          | Not required     |
|         | LTE Band 14 Ant 1  |          | 0.236             | 0.60                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.162             |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | FR1 n66 Ant 0      | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 126.4            | 1.69              | 0.02          | Not required     |
|         | LTE Band 14 Ant 1  |          | 0.236             | 0.60                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.162             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 70 | LTE Band 30 Ant 0  | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73   | -1.28 | 148.2            | 1.92              | 0.02          | Not required     |
|         | FR1 n66 Ant 5      |          | 0.394             | 0.78                 | 10mm     | -8.8                   | 75.2  | -1.38 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.388             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 30 Ant 0  | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73   | -1.28 | 103.5            | 1.92              | 0.03          | Not required     |
|         | FR1 n66 Ant 5      |          | 0.394             | 0.78                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.388             |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 71 | LTE Band 30 Ant 0  | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73   | -1.28 | 148.2            | 1.93              | 0.02          | Not required     |
|         | FR1 n66 Ant 5      |          | 0.394             | 0.79                 | 10mm     | -8.8                   | 75.2  | -1.38 |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 30 Ant 0  | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73   | -1.28 | 121.2            | 1.93              | 0.02          | Not required     |
|         | FR1 n66 Ant 5      |          | 0.394             | 0.79                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 30 Ant 0  | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73   | -1.28 | 147.0            | 1.93              | 0.02          | Not required     |
|         | FR1 n66 Ant 5      |          | 0.394             | 0.79                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     | -30.6                  | 72.8  | -1.23 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 72 | LTE Band 30 Ant 0  | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73   | -1.28 | 148.2            | 1.89              | 0.02          | Not required     |
|         | FR1 n66 Ant 5      |          | 0.394             | 0.76                 | 10mm     | -8.8                   | 75.2  | -1.38 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.162             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 30 Ant 0  | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73   | -1.28 | 103.5            | 1.89              | 0.03          | Not required     |
|         | FR1 n66 Ant 5      |          | 0.394             | 0.76                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.162             |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 30 Ant 0  | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73   | -1.28 | 121.2            | 1.89              | 0.02          | Not required     |
|         | FR1 n66 Ant 5      |          | 0.394             | 0.76                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.162             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |



# FCC SAR Test Report

Report No. : FA461912

|         |                    |          |                   |                      |          |                        |       |       |                  |                   |               |                  |
|---------|--------------------|----------|-------------------|----------------------|----------|------------------------|-------|-------|------------------|-------------------|---------------|------------------|
| Case 73 | FR1 n66 Ant 0      | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 153.6            | 1.66              | 0.01          | Not required     |
|         | LTE Band 30 Ant 2  |          | 0.182             | 0.57                 | 10mm     | 22.1                   | 74.7  | -1.06 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.388             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | FR1 n66 Ant 0      | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 108.6            | 1.66              | 0.02          | Not required     |
|         | LTE Band 30 Ant 2  |          | 0.182             | 0.57                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.388             |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 74 | FR1 n66 Ant 0      | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 153.6            | 1.67              | 0.01          | Not required     |
|         | LTE Band 30 Ant 2  |          | 0.182             | 0.58                 | 10mm     | 22.1                   | 74.7  | -1.06 |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | FR1 n66 Ant 0      | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 126.4            | 1.67              | 0.02          | Not required     |
|         | LTE Band 30 Ant 2  |          | 0.182             | 0.58                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | FR1 n66 Ant 0      | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 151.7            | 1.67              | 0.01          | Not required     |
|         | LTE Band 30 Ant 2  |          | 0.182             | 0.58                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     | -30.6                  | 72.8  | -1.23 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 75 | FR1 n66 Ant 0      | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 153.6            | 1.63              | 0.01          | Not required     |
|         | LTE Band 30 Ant 2  |          | 0.182             | 0.54                 | 10mm     | 22.1                   | 74.7  | -1.06 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.162             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | FR1 n66 Ant 0      | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 108.6            | 1.63              | 0.02          | Not required     |
|         | LTE Band 30 Ant 2  |          | 0.182             | 0.54                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.162             |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | FR1 n66 Ant 0      | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 126.4            | 1.63              | 0.02          | Not required     |
|         | LTE Band 30 Ant 2  |          | 0.182             | 0.54                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.162             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 76 | LTE Band 2 Ant 0   | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 150.7            | 1.61              | 0.01          | Not required     |
|         | FR1 n41 Ant 2      |          | 0.33              | 0.72                 | 10mm     | 22.6                   | 75.4  | -1.09 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.388             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 2 Ant 0   | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 106.9            | 1.61              | 0.02          | Not required     |
|         | FR1 n41 Ant 2      |          | 0.33              | 0.72                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.388             |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 77 | LTE Band 2 Ant 0   | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 150.7            | 1.62              | 0.01          | Not required     |
|         | FR1 n41 Ant 2      |          | 0.33              | 0.73                 | 10mm     | 22.6                   | 75.4  | -1.09 |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 2 Ant 0   | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 124.8            | 1.62              | 0.02          | Not required     |
|         | FR1 n41 Ant 2      |          | 0.33              | 0.73                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 2 Ant 0   | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 149.6            | 1.62              | 0.01          | Not required     |
|         | FR1 n41 Ant 2      |          | 0.33              | 0.73                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     | -30.6                  | 72.8  | -1.23 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 78 | FR1 n66 Ant 0      | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 142.4            | 1.76              | 0.02          | Not required     |
|         | LTE Band 71 Ant 1  |          | 0.282             | 0.67                 | 10mm     | 18.5                   | 63.9  | -1.24 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.388             |                      | 10mm     |                        |       |       |                  |                   |               |                  |



# FCC SAR Test Report

Report No. : FA461912

|         |                    |          |                   |                      |          |                        |       |       |                  |                   |               |                  |
|---------|--------------------|----------|-------------------|----------------------|----------|------------------------|-------|-------|------------------|-------------------|---------------|------------------|
| Case No | FR1 n66 Ant 0      | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 108.6            | 1.76              | 0.02          | Not required     |
|         | LTE Band 71 Ant 1  |          | 0.282             | 0.67                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.388             |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
|         |                    |          |                   |                      |          | X                      | Y     | Z     |                  |                   |               |                  |
|         |                    |          |                   |                      |          |                        |       |       |                  |                   |               |                  |
| Case 79 | FR1 n66 Ant 0      | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 142.4            | 1.77              | 0.02          | Not required     |
|         | LTE Band 71 Ant 1  |          | 0.282             | 0.68                 | 10mm     | 18.5                   | 63.9  | -1.24 |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | FR1 n66 Ant 0      | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 126.4            | 1.77              | 0.02          | Not required     |
|         | LTE Band 71 Ant 1  |          | 0.282             | 0.68                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | FR1 n66 Ant 0      | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 151.7            | 1.77              | 0.02          | Not required     |
|         | LTE Band 71 Ant 1  |          | 0.282             | 0.68                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     | -30.6                  | 72.8  | -1.23 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 80 | FR1 n66 Ant 0      | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 142.4            | 1.73              | 0.02          | Not required     |
|         | LTE Band 71 Ant 1  |          | 0.282             | 0.64                 | 10mm     | 18.5                   | 63.9  | -1.24 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.162             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | FR1 n66 Ant 0      | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 108.6            | 1.73              | 0.02          | Not required     |
|         | LTE Band 71 Ant 1  |          | 0.282             | 0.64                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.162             |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | FR1 n66 Ant 0      | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 126.4            | 1.73              | 0.02          | Not required     |
|         | LTE Band 71 Ant 1  |          | 0.282             | 0.64                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.162             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 81 | FR1 n66 Ant 0      | Back     | 1.164             | 1.164                | 10mm     | -4.5                   | -76.6 | 1.32  | 142.4            | 1.77              | 0.02          | Not required     |
|         | LTE Band 71 Ant 1  |          | 0.217             | 0.61                 | 10mm     | 18.5                   | 63.9  | -1.24 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.388             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | FR1 n66 Ant 0      | Back     | 1.164             | 1.164                | 10mm     | -4.5                   | -76.6 | 1.32  | 108.6            | 1.77              | 0.02          | Not required     |
|         | LTE Band 71 Ant 1  |          | 0.217             | 0.61                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.388             |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 82 | FR1 n66 Ant 0      | Back     | 1.164             | 1.164                | 10mm     | -4.5                   | -76.6 | 1.32  | 142.4            | 1.78              | 0.02          | Not required     |
|         | LTE Band 71 Ant 1  |          | 0.217             | 0.61                 | 10mm     | 18.5                   | 63.9  | -1.24 |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | FR1 n66 Ant 0      | Back     | 1.164             | 1.164                | 10mm     | -4.5                   | -76.6 | 1.32  | 126.4            | 1.78              | 0.02          | Not required     |
|         | LTE Band 71 Ant 1  |          | 0.217             | 0.61                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | FR1 n66 Ant 0      | Back     | 1.164             | 1.164                | 10mm     | -4.5                   | -76.6 | 1.32  | 151.7            | 1.78              | 0.02          | Not required     |
|         | LTE Band 71 Ant 1  |          | 0.217             | 0.61                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     | -30.6                  | 72.8  | -1.23 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 83 | FR1 n66 Ant 0      | Back     | 1.164             | 1.164                | 10mm     | -4.5                   | -76.6 | 1.32  | 142.4            | 1.74              | 0.02          | Not required     |
|         | LTE Band 71 Ant 1  |          | 0.217             | 0.58                 | 10mm     | 18.5                   | 63.9  | -1.24 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.162             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   | Back     | 0.199             | 1.164                | 10mm     |                        |       |       | 108.6            | 1.74              | 0.02          | Not required     |
|         | FR1 n66 Ant 0      |          | 1.164             |                      | 10mm     | -4.5                   | -76.6 | 1.32  |                  |                   |               |                  |
|         | LTE Band 71 Ant 1  |          | 0.217             |                      | 10mm     |                        |       |       |                  |                   |               |                  |



# FCC SAR Test Report

Report No. : FA461912

|         |                    |          |                   |                      |          |                        |       |       |                  |                   |               |                  |
|---------|--------------------|----------|-------------------|----------------------|----------|------------------------|-------|-------|------------------|-------------------|---------------|------------------|
|         | WLAN2.4GHz Ant 6+7 | Back     | 0.162             | 1.164                | 10mm     | -29.8                  | 29    | -1.45 | 126.4            | 1.74              | 0.02          | Not required     |
|         | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | FR1 n66 Ant 0      |          | 1.164             |                      | 10mm     | -4.5                   | -76.6 | 1.32  |                  |                   |               |                  |
|         | LTE Band 71 Ant 1  |          | 0.217             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.162             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 84 | FR1 n66 Ant 0      | Back     | 1.164             | 0.72                 | 10mm     | -4.5                   | -76.6 | 1.32  | 154.4            | 1.88              | 0.02          | Not required     |
|         | FR1 n41 Ant 2      |          | 0.33              |                      | 10mm     | 22.6                   | 75.4  | -1.09 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.388             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | FR1 n66 Ant 0      | Back     | 1.164             | 0.72                 | 10mm     | -4.5                   | -76.6 | 1.32  | 108.6            | 1.88              | 0.02          | Not required     |
|         | FR1 n41 Ant 2      |          | 0.33              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.388             |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 85 | FR1 n66 Ant 0      | Back     | 1.164             | 0.73                 | 10mm     | -4.5                   | -76.6 | 1.32  | 154.4            | 1.89              | 0.02          | Not required     |
|         | FR1 n41 Ant 2      |          | 0.33              |                      | 10mm     | 22.6                   | 75.4  | -1.09 |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | FR1 n66 Ant 0      | Back     | 1.164             | 0.73                 | 10mm     | -4.5                   | -76.6 | 1.32  | 126.4            | 1.89              | 0.02          | Not required     |
|         | FR1 n41 Ant 2      |          | 0.33              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | FR1 n66 Ant 0      | Back     | 1.164             | 0.73                 | 10mm     | -4.5                   | -76.6 | 1.32  | 151.7            | 1.89              | 0.02          | Not required     |
|         | FR1 n41 Ant 2      |          | 0.33              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     | -30.6                  | 72.8  | -1.23 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 86 | FR1 n66 Ant 0      | Back     | 1.164             | 0.69                 | 10mm     | -4.5                   | -76.6 | 1.32  | 154.4            | 1.86              | 0.02          | Not required     |
|         | FR1 n41 Ant 2      |          | 0.33              |                      | 10mm     | 22.6                   | 75.4  | -1.09 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.162             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | FR1 n66 Ant 0      | Back     | 1.164             | 0.69                 | 10mm     | -4.5                   | -76.6 | 1.32  | 108.6            | 1.86              | 0.02          | Not required     |
|         | FR1 n41 Ant 2      |          | 0.33              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.162             |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | FR1 n66 Ant 0      | Back     | 1.164             | 0.69                 | 10mm     | -4.5                   | -76.6 | 1.32  | 126.4            | 1.86              | 0.02          | Not required     |
|         | FR1 n41 Ant 2      |          | 0.33              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.162             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 87 | LTE Band 25 Ant 0  | Back     | 0.894             | 0.72                 | 10mm     | 0.3                    | -73.6 | -1.25 | 150.7            | 1.61              | 0.01          | Not required     |
|         | FR1 n41 Ant 2      |          | 0.33              |                      | 10mm     | 22.6                   | 75.4  | -1.09 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.388             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 25 Ant 0  | Back     | 0.894             | 0.72                 | 10mm     | 0.3                    | -73.6 | -1.25 | 106.9            | 1.61              | 0.02          | Not required     |
|         | FR1 n41 Ant 2      |          | 0.33              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.388             |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 88 | LTE Band 25 Ant 0  | Back     | 0.894             | 0.73                 | 10mm     | 0.3                    | -73.6 | -1.25 | 150.7            | 1.62              | 0.01          | Not required     |
|         | FR1 n41 Ant 2      |          | 0.33              |                      | 10mm     | 22.6                   | 75.4  | -1.09 |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 25 Ant 0  | Back     | 0.894             | 0.73                 | 10mm     | 0.3                    | -73.6 | -1.25 | 124.8            | 1.62              | 0.02          | Not required     |
|         | FR1 n41 Ant 2      |          | 0.33              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 25 Ant 0  | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 149.6            | 1.62              | 0.01          | Not required     |



# FCC SAR Test Report

Report No. : FA461912

|         | FR1 n41 Ant 2      |          | 0.33              | 0.73                 | 10mm     |                        |       |       |                  |                   |               |                  |
|---------|--------------------|----------|-------------------|----------------------|----------|------------------------|-------|-------|------------------|-------------------|---------------|------------------|
|         | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     | -30.6                  | 72.8  | -1.23 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 89 | FR1 n41 Ant 0      | Back     | 0.853             | 0.853                | 10mm     | 0.47                   | -73.7 | -1.22 | 140.9            | 1.64              | 0.01          | Not required     |
|         | LTE Band 26 Ant 1  |          | 0.398             | 0.79                 | 10mm     | 19.5                   | 65.9  | -1.23 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.388             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | FR1 n41 Ant 0      | Back     | 0.853             | 0.853                | 10mm     | 0.47                   | -73.7 | -1.22 | 107.1            | 1.64              | 0.02          | Not required     |
|         | LTE Band 26 Ant 1  |          | 0.398             | 0.79                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.388             |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 90 | FR1 n41 Ant 0      | Back     | 0.853             | 0.853                | 10mm     | 0.47                   | -73.7 | -1.22 | 140.9            | 1.65              | 0.02          | Not required     |
|         | LTE Band 26 Ant 1  |          | 0.398             | 0.80                 | 10mm     | 19.5                   | 65.9  | -1.23 |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | FR1 n41 Ant 0      | Back     | 0.853             | 0.853                | 10mm     | 0.47                   | -73.7 | -1.22 | 124.9            | 1.65              | 0.02          | Not required     |
|         | LTE Band 26 Ant 1  |          | 0.398             | 0.80                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | FR1 n41 Ant 0      | Back     | 0.853             | 0.853                | 10mm     | 0.47                   | -73.7 | -1.22 | 149.8            | 1.65              | 0.01          | Not required     |
|         | LTE Band 26 Ant 1  |          | 0.398             | 0.80                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     | -30.6                  | 72.8  | -1.23 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 91 | FR1 n41 Ant 0      | Back     | 0.853             | 0.853                | 10mm     | 0.47                   | -73.7 | -1.22 | 140.9            | 1.61              | 0.01          | Not required     |
|         | LTE Band 26 Ant 1  |          | 0.398             | 0.76                 | 10mm     | 19.5                   | 65.9  | -1.23 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.162             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | FR1 n41 Ant 0      | Back     | 0.853             | 0.853                | 10mm     | 0.47                   | -73.7 | -1.22 | 107.1            | 1.61              | 0.02          | Not required     |
|         | LTE Band 26 Ant 1  |          | 0.398             | 0.76                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.162             |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | FR1 n41 Ant 0      | Back     | 0.853             | 0.853                | 10mm     | 0.47                   | -73.7 | -1.22 | 124.9            | 1.61              | 0.02          | Not required     |
|         | LTE Band 26 Ant 1  |          | 0.398             | 0.76                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.162             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 92 | LTE Band 66 Ant 0  | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 142.9            | 1.89              | 0.02          | Not required     |
|         | FR1 n78 Ant 4      |          | 0.342             | 0.73                 | 10mm     | -28                    | 66.6  | -1.27 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.388             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 66 Ant 0  | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 106.8            | 1.89              | 0.02          | Not required     |
|         | FR1 n78 Ant 4      |          | 0.342             | 0.73                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.388             |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 93 | LTE Band 66 Ant 0  | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 142.9            | 1.90              | 0.02          | Not required     |
|         | FR1 n78 Ant 4      |          | 0.342             | 0.74                 | 10mm     | -28                    | 66.6  | -1.27 |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 66 Ant 0  | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 124.7            | 1.90              | 0.02          | Not required     |
|         | FR1 n78 Ant 4      |          | 0.342             | 0.74                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 66 Ant 0  | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 149.5            | 1.90              | 0.02          | Not required     |
|         | FR1 n78 Ant 4      |          | 0.342             | 0.74                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     | -30.6                  | 72.8  | -1.23 |                  |                   |               |                  |



# FCC SAR Test Report

Report No. : FA461912

| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
|---------|--------------------|----------|-------------------|----------------------|----------|------------------------|-------|-------|------------------|-------------------|---------------|------------------|
|         |                    |          |                   |                      |          | X                      | Y     | Z     |                  |                   |               |                  |
| Case 94 | LTE Band 66 Ant 0  | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 142.9            | 1.87              | 0.02          | Not required     |
|         | FR1 n78 Ant 4      |          | 0.342             | 0.70                 | 10mm     | -28                    | 66.6  | -1.27 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.162             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 66 Ant 0  | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 106.8            | 1.87              | 0.02          | Not required     |
|         | FR1 n78 Ant 4      |          | 0.342             | 0.70                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.162             |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 66 Ant 0  | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 124.7            | 1.87              | 0.02          | Not required     |
|         | FR1 n78 Ant 4      |          | 0.342             | 0.70                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.162             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
|         |                    |          |                   |                      |          | X                      | Y     | Z     |                  |                   |               |                  |
| Case 95 | LTE Band 2 Ant 0   | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 143.0            | 1.62              | 0.01          | Not required     |
|         | FR1 n78 Ant 4      |          | 0.342             | 0.73                 | 10mm     | -28                    | 66.6  | -1.27 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.388             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 2 Ant 0   | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 106.9            | 1.62              | 0.02          | Not required     |
|         | FR1 n78 Ant 4      |          | 0.342             | 0.73                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.388             |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
|         |                    |          |                   |                      |          | X                      | Y     | Z     |                  |                   |               |                  |
| Case 96 | LTE Band 2 Ant 0   | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 143.0            | 1.63              | 0.01          | Not required     |
|         | FR1 n78 Ant 4      |          | 0.342             | 0.74                 | 10mm     | -28                    | 66.6  | -1.27 |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 2 Ant 0   | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 124.8            | 1.63              | 0.02          | Not required     |
|         | FR1 n78 Ant 4      |          | 0.342             | 0.74                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 2 Ant 0   | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 149.6            | 1.63              | 0.01          | Not required     |
|         | FR1 n78 Ant 4      |          | 0.342             | 0.74                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     | -30.6                  | 72.8  | -1.23 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
|         |                    |          |                   |                      |          | X                      | Y     | Z     |                  |                   |               |                  |
| Case 97 | LTE Band 2 Ant 0   | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 143.0            | 1.60              | 0.01          | Not required     |
|         | FR1 n78 Ant 4      |          | 0.342             | 0.70                 | 10mm     | -28                    | 66.6  | -1.27 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.162             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 2 Ant 0   | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 106.9            | 1.60              | 0.02          | Not required     |
|         | FR1 n78 Ant 4      |          | 0.342             | 0.70                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.162             |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 2 Ant 0   | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 124.8            | 1.60              | 0.02          | Not required     |
|         | FR1 n78 Ant 4      |          | 0.342             | 0.70                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.162             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
|         |                    |          |                   |                      |          | X                      | Y     | Z     |                  |                   |               |                  |
| Case 98 | FR1 n66 Ant 0      | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 156.3            | 1.81              | 0.02          | Not required     |
|         | LTE Band 7 Ant 2   |          | 0.328             | 0.72                 | 10mm     | 24.2                   | 77    | -1.05 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.388             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | FR1 n66 Ant 0      | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 108.6            | 1.81              | 0.02          | Not required     |
|         | LTE Band 7 Ant 2   |          | 0.328             | 0.72                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.388             |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
|         |                    |          |                   |                      |          | X                      | Y     | Z     |                  |                   |               |                  |



# FCC SAR Test Report

Report No. : FA461912

|          |                    |          |                   |                      |          |                        |       |       |                  |                   |               |                  |
|----------|--------------------|----------|-------------------|----------------------|----------|------------------------|-------|-------|------------------|-------------------|---------------|------------------|
| Case 99  | FR1 n66 Ant 0      | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 156.3            | 1.82              | 0.02          | Not required     |
|          | LTE Band 7 Ant 2   |          | 0.328             | 0.73                 | 10mm     | 24.2                   | 77    | -1.05 |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | FR1 n66 Ant 0      | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 126.4            | 1.82              | 0.02          | Not required     |
|          | LTE Band 7 Ant 2   |          | 0.328             | 0.73                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
|          | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | FR1 n66 Ant 0      | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 151.7            | 1.82              | 0.02          | Not required     |
|          | LTE Band 7 Ant 2   |          | 0.328             | 0.73                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     | -30.6                  | 72.8  | -1.23 |                  |                   |               |                  |
| Case No  | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 100 | FR1 n66 Ant 0      | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 156.3            | 1.78              | 0.02          | Not required     |
|          | LTE Band 7 Ant 2   |          | 0.328             | 0.69                 | 10mm     | 24.2                   | 77    | -1.05 |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7 |          | 0.162             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | FR1 n66 Ant 0      | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 108.6            | 1.78              | 0.02          | Not required     |
|          | LTE Band 7 Ant 2   |          | 0.328             | 0.69                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7 |          | 0.162             |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | FR1 n66 Ant 0      | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 126.4            | 1.78              | 0.02          | Not required     |
|          | LTE Band 7 Ant 2   |          | 0.328             | 0.69                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7 |          | 0.162             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
| Case No  | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 101 | LTE Band 4 Ant 0   | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 152.4            | 1.89              | 0.02          | Not required     |
|          | FR1 n78 Ant 4      |          | 0.342             | 0.73                 | 10mm     | 24.2                   | 77    | -1.05 |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7 |          | 0.388             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | LTE Band 4 Ant 0   | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 106.8            | 1.89              | 0.02          | Not required     |
|          | FR1 n78 Ant 4      |          | 0.342             | 0.73                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7 |          | 0.388             |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
| Case No  | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 102 | LTE Band 4 Ant 0   | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 152.4            | 1.90              | 0.02          | Not required     |
|          | FR1 n78 Ant 4      |          | 0.342             | 0.74                 | 10mm     | 24.2                   | 77    | -1.05 |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | LTE Band 4 Ant 0   | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 124.7            | 1.90              | 0.02          | Not required     |
|          | FR1 n78 Ant 4      |          | 0.342             | 0.74                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
|          | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | LTE Band 4 Ant 0   | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 149.5            | 1.90              | 0.02          | Not required     |
|          | FR1 n78 Ant 4      |          | 0.342             | 0.74                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     | -30.6                  | 72.8  | -1.23 |                  |                   |               |                  |
| Case No  | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 103 | LTE Band 4 Ant 0   | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 152.4            | 1.87              | 0.02          | Not required     |
|          | FR1 n78 Ant 4      |          | 0.342             | 0.70                 | 10mm     | 24.2                   | 77    | -1.05 |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7 |          | 0.162             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | LTE Band 4 Ant 0   | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 106.8            | 1.87              | 0.02          | Not required     |
|          | FR1 n78 Ant 4      |          | 0.342             | 0.70                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7 |          | 0.162             |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | LTE Band 4 Ant 0   | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 124.7            | 1.87              | 0.02          | Not required     |
|          | FR1 n78 Ant 4      |          | 0.342             | 0.70                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7 |          | 0.162             |                      | 10mm     |                        |       |       |                  |                   |               |                  |



# FCC SAR Test Report

Report No. : FA461912

|          | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
|----------|--------------------|----------|-------------------|----------------------|----------|------------------------|-------|-------|------------------|-------------------|---------------|------------------|
| Case No  | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
|          |                    |          |                   |                      |          | X                      | Y     | Z     |                  |                   |               |                  |
| Case 104 | LTE Band 7 Ant 0   | Back     | 0.787             | 0.787                | 10mm     | 0.37                   | -74.2 | -1.27 | 148.9            | 1.65              | 0.01          | Not required     |
|          | FR1 n2 Ant 5       |          | 0.47              | 0.86                 | 10mm     | -18.5                  | 73.5  | -1.42 |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7 |          | 0.388             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | LTE Band 7 Ant 0   | Back     | 0.787             | 0.787                | 10mm     | 0.37                   | -74.2 | -1.27 | 107.5            | 1.65              | 0.02          | Not required     |
|          | FR1 n2 Ant 5       |          | 0.47              | 0.86                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7 |          | 0.388             |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
| Case No  | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
|          |                    |          |                   |                      |          | X                      | Y     | Z     |                  |                   |               |                  |
| Case 105 | LTE Band 7 Ant 0   | Back     | 0.787             | 0.787                | 10mm     | 0.37                   | -74.2 | -1.27 | 148.9            | 1.65              | 0.01          | Not required     |
|          | FR1 n2 Ant 5       |          | 0.47              | 0.87                 | 10mm     | -18.5                  | 73.5  | -1.42 |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | LTE Band 7 Ant 0   | Back     | 0.787             | 0.787                | 10mm     | 0.37                   | -74.2 | -1.27 | 125.4            | 1.65              | 0.02          | Not required     |
|          | FR1 n2 Ant 5       |          | 0.47              | 0.87                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
|          | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | LTE Band 7 Ant 0   | Back     | 0.787             | 0.787                | 10mm     | 0.37                   | -74.2 | -1.27 | 150.2            | 1.65              | 0.01          | Not required     |
|          | FR1 n2 Ant 5       |          | 0.47              | 0.87                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     | -30.6                  | 72.8  | -1.23 |                  |                   |               |                  |
| Case No  | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
|          |                    |          |                   |                      |          | X                      | Y     | Z     |                  |                   |               |                  |
| Case 106 | LTE Band 7 Ant 0   | Back     | 0.787             | 0.787                | 10mm     | 0.37                   | -74.2 | -1.27 | 148.9            | 1.62              | 0.01          | Not required     |
|          | FR1 n2 Ant 5       |          | 0.47              | 0.83                 | 10mm     | -18.5                  | 73.5  | -1.42 |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7 |          | 0.162             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | LTE Band 7 Ant 0   | Back     | 0.787             | 0.787                | 10mm     | 0.37                   | -74.2 | -1.27 | 107.5            | 1.62              | 0.02          | Not required     |
|          | FR1 n2 Ant 5       |          | 0.47              | 0.83                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7 |          | 0.162             |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | LTE Band 7 Ant 0   | Back     | 0.787             | 0.787                | 10mm     | 0.37                   | -74.2 | -1.27 | 125.4            | 1.62              | 0.02          | Not required     |
|          | FR1 n2 Ant 5       |          | 0.47              | 0.83                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7 |          | 0.162             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
| Case No  | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
|          |                    |          |                   |                      |          | X                      | Y     | Z     |                  |                   |               |                  |
| Case 107 | LTE Band 2 Ant 0   | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 143.0            | 1.62              | 0.01          | Not required     |
|          | FR1 n77 Ant 4      |          | 0.342             | 0.73                 | 10mm     | -28                    | 66.6  | -1.27 |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7 |          | 0.388             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | LTE Band 2 Ant 0   | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 106.9            | 1.62              | 0.02          | Not required     |
|          | FR1 n77 Ant 4      |          | 0.342             | 0.73                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7 |          | 0.388             |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
| Case No  | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
|          |                    |          |                   |                      |          | X                      | Y     | Z     |                  |                   |               |                  |
| Case 108 | LTE Band 2 Ant 0   | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 143.0            | 1.63              | 0.01          | Not required     |
|          | FR1 n77 Ant 4      |          | 0.342             | 0.74                 | 10mm     | -28                    | 66.6  | -1.27 |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | LTE Band 2 Ant 0   | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 124.8            | 1.63              | 0.02          | Not required     |
|          | FR1 n77 Ant 4      |          | 0.342             | 0.74                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
|          | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | LTE Band 2 Ant 0   | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 149.6            | 1.63              | 0.01          | Not required     |
|          | FR1 n77 Ant 4      |          | 0.342             | 0.74                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     | -30.6                  | 72.8  | -1.23 |                  |                   |               |                  |
| Case No  | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
|          |                    |          |                   |                      |          | X                      | Y     | Z     |                  |                   |               |                  |



# FCC SAR Test Report

Report No. : FA461912

|          |                    |          |                   | (W/kg)               |          |                        |       |       | (mm)             | (W/kg)            |               |                  |
|----------|--------------------|----------|-------------------|----------------------|----------|------------------------|-------|-------|------------------|-------------------|---------------|------------------|
| Case 109 | LTE Band 2 Ant 0   | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 143.0            | 1.60              | 0.01          | Not required     |
|          | FR1 n77 Ant 4      |          | 0.342             | 0.70                 | 10mm     | -28                    | 66.6  | -1.27 |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7 |          | 0.162             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | LTE Band 2 Ant 0   | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 106.9            | 1.60              | 0.02          | Not required     |
|          | FR1 n77 Ant 4      |          | 0.342             | 0.70                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7 |          | 0.162             |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | LTE Band 2 Ant 0   | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 124.8            | 1.60              | 0.02          | Not required     |
|          | FR1 n77 Ant 4      |          | 0.342             | 0.70                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7 |          | 0.162             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
| Case No  | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 110 | LTE Band 66 Ant 0  | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 142.9            | 1.89              | 0.02          | Not required     |
|          | FR1 n77 Ant 4      |          | 0.342             | 0.73                 | 10mm     | -28                    | 66.6  | -1.27 |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7 |          | 0.388             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | LTE Band 66 Ant 0  | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 106.8            | 1.89              | 0.02          | Not required     |
|          | FR1 n77 Ant 4      |          | 0.342             | 0.73                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7 |          | 0.388             |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
| Case No  | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 111 | LTE Band 66 Ant 0  | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 142.9            | 1.90              | 0.02          | Not required     |
|          | FR1 n77 Ant 4      |          | 0.342             | 0.74                 | 10mm     | -28                    | 66.6  | -1.27 |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | LTE Band 66 Ant 0  | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 124.7            | 1.90              | 0.02          | Not required     |
|          | FR1 n77 Ant 4      |          | 0.342             | 0.74                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
|          | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | LTE Band 66 Ant 0  | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 149.5            | 1.90              | 0.02          | Not required     |
|          | FR1 n77 Ant 4      |          | 0.342             | 0.74                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     | -30.6                  | 72.8  | -1.23 |                  |                   |               |                  |
| Case No  | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 112 | LTE Band 66 Ant 0  | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 142.9            | 1.87              | 0.02          | Not required     |
|          | FR1 n77 Ant 4      |          | 0.342             | 0.70                 | 10mm     | -28                    | 66.6  | -1.27 |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7 |          | 0.162             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | LTE Band 66 Ant 0  | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 106.8            | 1.87              | 0.02          | Not required     |
|          | FR1 n77 Ant 4      |          | 0.342             | 0.70                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7 |          | 0.162             |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | LTE Band 66 Ant 0  | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 124.7            | 1.87              | 0.02          | Not required     |
|          | FR1 n77 Ant 4      |          | 0.342             | 0.70                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7 |          | 0.162             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
| Case No  | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 113 | LTE Band 30 Ant 0  | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73   | -1.28 | 140.5            | 1.87              | 0.02          | Not required     |
|          | FR1 n77 Ant 4      |          | 0.342             | 0.73                 | 10mm     | -28                    | 66.6  | -1.27 |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7 |          | 0.388             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | LTE Band 30 Ant 0  | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73   | -1.28 | 103.5            | 1.87              | 0.02          | Not required     |
|          | FR1 n77 Ant 4      |          | 0.342             | 0.73                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7 |          | 0.388             |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
| Case No  | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 114 | LTE Band 30 Ant 0  | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73   | -1.28 | 140.5            | 1.88              | 0.02          | Not required     |
|          | FR1 n77 Ant 4      |          | 0.342             | 0.74                 | 10mm     | -28                    | 66.6  | -1.27 |                  |                   |               |                  |



# FCC SAR Test Report

Report No. : FA461912

|          |                    |          |                   |                      |          |                        |       |       |                  |                   |               |                  |
|----------|--------------------|----------|-------------------|----------------------|----------|------------------------|-------|-------|------------------|-------------------|---------------|------------------|
|          | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | LTE Band 30 Ant 0  | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73   | -1.28 | 121.2            | 1.88              | 0.02          | Not required     |
|          | FR1 n77 Ant 4      |          | 0.342             | 0.74                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
|          | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | LTE Band 30 Ant 0  | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73   | -1.28 | 147.0            | 1.88              | 0.02          | Not required     |
|          | FR1 n77 Ant 4      |          | 0.342             | 0.74                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     | -30.6                  | 72.8  | -1.23 |                  |                   |               |                  |
| Case No  | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 115 | LTE Band 30 Ant 0  | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73   | -1.28 | 140.5            | 1.84              | 0.02          | Not required     |
|          | FR1 n77 Ant 4      |          | 0.342             | 0.70                 | 10mm     | -28                    | 66.6  | -1.27 |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7 |          | 0.162             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | LTE Band 30 Ant 0  | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73   | -1.28 | 103.5            | 1.84              | 0.02          | Not required     |
|          | FR1 n77 Ant 4      |          | 0.342             | 0.70                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7 |          | 0.162             |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | LTE Band 30 Ant 0  | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73   | -1.28 | 121.2            | 1.84              | 0.02          | Not required     |
|          | FR1 n77 Ant 4      |          | 0.342             | 0.70                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7 |          | 0.162             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
| Case No  | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 116 | LTE Band 25 Ant 0  | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 143.0            | 1.62              | 0.01          | Not required     |
|          | FR1 n77 Ant 4      |          | 0.342             | 0.73                 | 10mm     | -28                    | 66.6  | -1.27 |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7 |          | 0.388             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | LTE Band 25 Ant 0  | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 106.9            | 1.62              | 0.02          | Not required     |
|          | FR1 n77 Ant 4      |          | 0.342             | 0.73                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7 |          | 0.388             |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
| Case No  | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 117 | LTE Band 25 Ant 0  | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 143.0            | 1.63              | 0.01          | Not required     |
|          | FR1 n77 Ant 4      |          | 0.342             | 0.74                 | 10mm     | -28                    | 66.6  | -1.27 |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | LTE Band 25 Ant 0  | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 124.8            | 1.63              | 0.02          | Not required     |
|          | FR1 n77 Ant 4      |          | 0.342             | 0.74                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
|          | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | LTE Band 25 Ant 0  | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 149.6            | 1.63              | 0.01          | Not required     |
|          | FR1 n77 Ant 4      |          | 0.342             | 0.74                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7   |          | 0.391             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     | -30.6                  | 72.8  | -1.23 |                  |                   |               |                  |
| Case No  | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 118 | LTE Band 25 Ant 0  | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 143.0            | 1.60              | 0.01          | Not required     |
|          | FR1 n77 Ant 4      |          | 0.342             | 0.70                 | 10mm     | -28                    | 66.6  | -1.27 |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7 |          | 0.162             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | LTE Band 25 Ant 0  | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 106.9            | 1.60              | 0.02          | Not required     |
|          | FR1 n77 Ant 4      |          | 0.342             | 0.70                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7 |          | 0.162             |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | LTE Band 25 Ant 0  | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 124.8            | 1.60              | 0.02          | Not required     |
|          | FR1 n77 Ant 4      |          | 0.342             | 0.70                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7 |          | 0.162             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
| Case No  | Band               | Position | SAR 1g SAR        | Summed               | Gap      | SAR peak location (mm) |       |       | 3D               | Summed            | SPLSR         | Simultaneous     |



# FCC SAR Test Report

Report No. : FA461912

|          |                    |          | (W/kg)               | 1g SAR<br>(W/kg)           | (mm)        | X                      | Y     | Z     | distance<br>(mm)       | SAR<br>(W/kg)           |                  | SAR                 |
|----------|--------------------|----------|----------------------|----------------------------|-------------|------------------------|-------|-------|------------------------|-------------------------|------------------|---------------------|
| Case 119 | LTE Band 66 Ant 0  | Back     | 1.164                | 1.164                      | 10mm        | 0.3                    | -73.5 | -1.28 | 138.5                  | 1.73                    | 0.02             | Not required        |
|          | FR1 n12 Ant 1      |          | 0.174                | 0.56                       | 10mm        | 18.7                   | 63.8  | -1.25 |                        |                         |                  |                     |
|          | WLAN2.4GHz Ant 6+7 |          | 0.388                |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|          | LTE Band 66 Ant 0  | Back     | 1.164                | 1.164                      | 10mm        | 0.3                    | -73.5 | -1.28 | 106.8                  | 1.73                    | 0.02             | Not required        |
|          | FR1 n12 Ant 1      |          | 0.174                | 0.56                       | 10mm        |                        |       |       |                        |                         |                  |                     |
|          | WLAN2.4GHz Ant 6+7 |          | 0.388                |                            | 10mm        | -29.8                  | 29    | -1.45 |                        |                         |                  |                     |
| Case No  | Band               | Position | SAR 1g SAR<br>(W/kg) | Summed<br>1g SAR<br>(W/kg) | Gap<br>(mm) | SAR peak location (mm) |       |       | 3D<br>distance<br>(mm) | Summed<br>SAR<br>(W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
| Case 120 | LTE Band 66 Ant 0  | Back     | 1.164                | 1.164                      | 10mm        | 0.3                    | -73.5 | -1.28 | 138.5                  | 1.74                    | 0.02             | Not required        |
|          | FR1 n12 Ant 1      |          | 0.174                | 0.57                       | 10mm        | 18.7                   | 63.8  | -1.25 |                        |                         |                  |                     |
|          | WLAN5GHz Ant 6+7   |          | 0.391                |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|          | Bluetooth Ant 6    |          | 0.006                |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|          | LTE Band 66 Ant 0  | Back     | 1.164                | 1.164                      | 10mm        | 0.3                    | -73.5 | -1.28 | 124.7                  | 1.74                    | 0.02             | Not required        |
|          | FR1 n12 Ant 1      |          | 0.174                | 0.57                       | 10mm        |                        |       |       |                        |                         |                  |                     |
|          | WLAN5GHz Ant 6+7   |          | 0.391                |                            | 10mm        | -35.2                  | 46    | -1.29 |                        |                         |                  |                     |
|          | Bluetooth Ant 6    |          | 0.006                |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|          | LTE Band 66 Ant 0  | Back     | 1.164                | 1.164                      | 10mm        | 0.3                    | -73.5 | -1.28 | 149.5                  | 1.74                    | 0.02             | Not required        |
|          | FR1 n12 Ant 1      |          | 0.174                | 0.57                       | 10mm        |                        |       |       |                        |                         |                  |                     |
|          | WLAN5GHz Ant 6+7   |          | 0.391                |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|          | Bluetooth Ant 6    |          | 0.006                |                            | 10mm        | -30.6                  | 72.8  | -1.23 |                        |                         |                  |                     |
| Case No  | Band               | Position | SAR 1g SAR<br>(W/kg) | Summed<br>1g SAR<br>(W/kg) | Gap<br>(mm) | SAR peak location (mm) |       |       | 3D<br>distance<br>(mm) | Summed<br>SAR<br>(W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
| Case 121 | LTE Band 66 Ant 0  | Back     | 1.164                | 1.164                      | 10mm        | 0.3                    | -73.5 | -1.28 | 138.5                  | 1.70                    | 0.02             | Not required        |
|          | FR1 n12 Ant 1      |          | 0.174                | 0.54                       | 10mm        | 18.7                   | 63.8  | -1.25 |                        |                         |                  |                     |
|          | WLAN2.4GHz Ant 6+7 |          | 0.162                |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|          | WLAN5GHz Ant 6+7   |          | 0.199                |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|          | LTE Band 66 Ant 0  | Back     | 1.164                | 1.164                      | 10mm        | 0.3                    | -73.5 | -1.28 | 106.8                  | 1.70                    | 0.02             | Not required        |
|          | FR1 n12 Ant 1      |          | 0.174                | 0.54                       | 10mm        |                        |       |       |                        |                         |                  |                     |
|          | WLAN2.4GHz Ant 6+7 |          | 0.162                |                            | 10mm        | -29.8                  | 29    | -1.45 |                        |                         |                  |                     |
|          | WLAN5GHz Ant 6+7   |          | 0.199                |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|          | LTE Band 66 Ant 0  | Back     | 1.164                | 1.164                      | 10mm        | 0.3                    | -73.5 | -1.28 | 124.7                  | 1.70                    | 0.02             | Not required        |
|          | FR1 n12 Ant 1      |          | 0.174                | 0.54                       | 10mm        |                        |       |       |                        |                         |                  |                     |
|          | WLAN2.4GHz Ant 6+7 |          | 0.162                |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|          | WLAN5GHz Ant 6+7   |          | 0.199                |                            | 10mm        | -35.2                  | 46    | -1.29 |                        |                         |                  |                     |
| Case No  | Band               | Position | SAR 1g SAR<br>(W/kg) | Summed<br>1g SAR<br>(W/kg) | Gap<br>(mm) | SAR peak location (mm) |       |       | 3D<br>distance<br>(mm) | Summed<br>SAR<br>(W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
| Case 122 | LTE Band 66 Ant 0  | Back     | 1.164                | 1.164                      | 10mm        | 0.3                    | -73.5 | -1.28 | 148.2                  | 2.02                    | 0.02             | Not required        |
|          | FR1 n25 Ant 5      |          | 0.47                 | 0.86                       | 10mm        | -18.5                  | 73.5  | -1.42 |                        |                         |                  |                     |
|          | WLAN2.4GHz Ant 6+7 |          | 0.388                |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|          | LTE Band 66 Ant 0  | Back     | 1.164                | 1.164                      | 10mm        | 0.3                    | -73.5 | -1.28 | 106.8                  | 2.02                    | 0.03             | Not required        |
|          | FR1 n25 Ant 5      |          | 0.47                 | 0.86                       | 10mm        |                        |       |       |                        |                         |                  |                     |
|          | WLAN2.4GHz Ant 6+7 |          | 0.388                |                            | 10mm        | -29.8                  | 29    | -1.45 |                        |                         |                  |                     |
| Case No  | Band               | Position | SAR 1g SAR<br>(W/kg) | Summed<br>1g SAR<br>(W/kg) | Gap<br>(mm) | SAR peak location (mm) |       |       | 3D<br>distance<br>(mm) | Summed<br>SAR<br>(W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
| Case 123 | LTE Band 66 Ant 0  | Back     | 1.164                | 1.164                      | 10mm        | 0.3                    | -73.5 | -1.28 | 148.2                  | 2.03                    | 0.02             | Not required        |
|          | FR1 n25 Ant 5      |          | 0.47                 | 0.87                       | 10mm        | -18.5                  | 73.5  | -1.42 |                        |                         |                  |                     |
|          | WLAN5GHz Ant 6+7   |          | 0.391                |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|          | Bluetooth Ant 6    |          | 0.006                |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|          | LTE Band 66 Ant 0  | Back     | 1.164                | 1.164                      | 10mm        | 0.3                    | -73.5 | -1.28 | 124.7                  | 2.03                    | 0.02             | Not required        |
|          | FR1 n25 Ant 5      |          | 0.47                 | 0.87                       | 10mm        |                        |       |       |                        |                         |                  |                     |
|          | WLAN5GHz Ant 6+7   |          | 0.391                |                            | 10mm        | -35.2                  | 46    | -1.29 |                        |                         |                  |                     |
|          | Bluetooth Ant 6    |          | 0.006                |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|          | LTE Band 66 Ant 0  | Back     | 1.164                | 1.164                      | 10mm        | 0.3                    | -73.5 | -1.28 | 149.5                  | 2.03                    | 0.02             | Not required        |
|          | FR1 n25 Ant 5      |          | 0.47                 | 0.87                       | 10mm        |                        |       |       |                        |                         |                  |                     |
|          | WLAN5GHz Ant 6+7   |          | 0.391                |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|          | Bluetooth Ant 6    |          | 0.006                |                            | 10mm        | -30.6                  | 72.8  | -1.23 |                        |                         |                  |                     |
| Case No  | Band               | Position | SAR 1g SAR<br>(W/kg) | Summed<br>1g SAR<br>(W/kg) | Gap<br>(mm) | SAR peak location (mm) |       |       | 3D<br>distance<br>(mm) | Summed<br>SAR<br>(W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
| Case 124 | LTE Band 66 Ant 0  | Back     | 1.164                | 1.164                      | 10mm        | 0.3                    | -73.5 | -1.28 | 148.2                  | 2.00                    | 0.02             | Not required        |



|  |                    |      |       |       |      |       |       |       |       |      |      |              |
|--|--------------------|------|-------|-------|------|-------|-------|-------|-------|------|------|--------------|
|  | FR1 n25 Ant 5      |      | 0.47  | 0.83  | 10mm | -18.5 | 73.5  | -1.42 |       |      |      |              |
|  | WLAN2.4GHz Ant 6+7 |      | 0.162 |       | 10mm |       |       |       |       |      |      |              |
|  | WLAN5GHz Ant 6+7   |      | 0.199 |       | 10mm |       |       |       |       |      |      |              |
|  | LTE Band 66 Ant 0  | Back | 1.164 | 1.164 | 10mm | 0.3   | -73.5 | -1.28 | 106.8 | 2.00 | 0.03 | Not required |
|  | FR1 n25 Ant 5      |      | 0.47  | 0.83  | 10mm |       |       |       |       |      |      |              |
|  | WLAN2.4GHz Ant 6+7 |      | 0.162 |       | 10mm | -29.8 | 29    | -1.45 |       |      |      |              |
|  | WLAN5GHz Ant 6+7   |      | 0.199 |       | 10mm |       |       |       | 124.7 | 2.00 | 0.02 | Not required |
|  | LTE Band 66 Ant 0  |      | 1.164 | 1.164 | 10mm | 0.3   | -73.5 | -1.28 |       |      |      |              |
|  | FR1 n25 Ant 5      |      | 0.47  | 0.83  | 10mm |       |       |       |       |      |      |              |
|  | WLAN2.4GHz Ant 6+7 | Back | 0.162 |       | 10mm |       |       |       |       |      |      |              |
|  | WLAN5GHz Ant 6+7   |      | 0.199 |       | 10mm | -35.2 | 46    | -1.29 |       |      |      |              |
|  |                    |      |       |       |      |       |       |       |       |      |      |              |

## &lt;Body-worn&gt;

| Case No | Band                 | Position | SAR 1g SAR (W/kg) | Gap (mm)             | SAR peak location (mm) |                        |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results     | Simultaneous SAR |                  |
|---------|----------------------|----------|-------------------|----------------------|------------------------|------------------------|-------|------------------|-------------------|-------------------|------------------|------------------|
| Case 1  | FR1 n30 Ant 0        | Back     | 1.273             | 10mm                 | -16.5                  | -81                    | -1.33 | 110.8            | 1.67              | 0.02              | Not required     |                  |
|         | WLAN2.4GHz Ant 6+7   |          | 0.392             | 10mm                 | -29.8                  | 29                     | -1.45 |                  |                   |                   |                  |                  |
| Case No | Band                 | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm)               | SAR peak location (mm) |       |                  | 3D distance (mm)  | Summed SAR (W/kg) | SPLSR Results    | Simultaneous SAR |
| Case 2  | FR1 n30 Ant 0        | Back     | 1.273             | 1.273                | 10mm                   | -16.5                  | -81   | -1.33            | 128.4             | 1.68              | 0.02             | Not required     |
|         | WLAN5GHz Ant 6+7     |          | 0.397             | 0.40                 | 10mm                   | -35.2                  | 46    | -1.29            |                   |                   |                  |                  |
|         | Bluetooth Ant 6      |          | 0.006             |                      | 10mm                   |                        |       |                  |                   |                   |                  |                  |
|         | FR1 n30 Ant 0        | Back     | 1.273             | 1.273                | 10mm                   | -16.5                  | -81   | -1.33            | 154.4             | 1.68              | 0.01             | Not required     |
|         | WLAN5GHz Ant 6+7     |          | 0.397             | 0.40                 | 10mm                   |                        |       |                  |                   |                   |                  |                  |
|         | Bluetooth Ant 6      |          | 0.006             |                      | 10mm                   | -30.6                  | 72.8  | -1.23            |                   |                   |                  |                  |
| Case No | Band                 | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm)               | X                      | Y     | Z                | 3D distance (mm)  | Summed SAR (W/kg) | SPLSR Results    | Simultaneous SAR |
| Case 3  | FR1 n30 Ant 0        | Back     | 1.273             | 1.273                | 10mm                   | -16.5                  | -81   | -1.33            | 110.8             | 1.65              | 0.02             | Not required     |
|         | WLAN2.4GHz Ant 6+7   |          | 0.18              | 0.38                 | 10mm                   | -29.8                  | 29    | -1.45            |                   |                   |                  |                  |
|         | WLAN5GHz Ant 6+7     |          | 0.199             |                      | 10mm                   |                        |       |                  |                   |                   |                  |                  |
|         | FR1 n30 Ant 0        | Back     | 1.273             | 1.273                | 10mm                   | -16.5                  | -81   | -1.33            | 128.4             | 1.65              | 0.02             | Not required     |
|         | WLAN2.4GHz Ant 6+7   |          | 0.18              | 0.38                 | 10mm                   |                        |       |                  |                   |                   |                  |                  |
|         | WLAN5GHz Ant 6+7     |          | 0.199             |                      | 10mm                   | -35.2                  | 46    | -1.29            |                   |                   |                  |                  |
| Case No | Band                 | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm)               | X                      | Y     | Z                | 3D distance (mm)  | Summed SAR (W/kg) | SPLSR Results    | Simultaneous SAR |
| Case 4  | FR1 n30 Ant 0        | Back     | 1.273             | 1.273                | 10mm                   | -16.5                  | -81   | -1.33            | 110.8             | 1.64              | 0.02             | Not required     |
|         | WLAN2.4GHz Ant 6+7   |          | 0.18              | 0.37                 | 10mm                   | -29.8                  | 29    | -1.45            |                   |                   |                  |                  |
|         | WLAN6GHz Ant 6+7     |          | 0.189             |                      | 10mm                   |                        |       |                  |                   |                   |                  |                  |
|         | FR1 n30 Ant 0        | Back     | 1.273             | 1.273                | 10mm                   | -16.5                  | -81   | -1.33            | 122.6             | 1.64              | 0.02             | Not required     |
|         | WLAN2.4GHz Ant 6+7   |          | 0.18              | 0.37                 | 10mm                   |                        |       |                  |                   |                   |                  |                  |
|         | WLAN6GHz Ant 6+7     |          | 0.189             |                      | 10mm                   | -28.2                  | 41    | -1.41            |                   |                   |                  |                  |
| Case No | Band                 | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm)               | X                      | Y     | Z                | 3D distance (mm)  | Summed SAR (W/kg) | SPLSR Results    | Simultaneous SAR |
| Case 5  | LTE Band 30 Ant 0    | Back     | 1.138             | 1.138                | 10mm                   | -12.1                  | -73   | -1.28            | 142.4             | 1.93              | 0.02             | Not required     |
|         | LTE Band 26(5) Ant 1 |          | 0.398             | 0.79                 | 10mm                   | 19.5                   | 65.9  | -1.23            |                   |                   |                  |                  |
|         | WLAN2.4GHz Ant 6+7   |          | 0.392             |                      | 10mm                   |                        |       |                  |                   |                   |                  |                  |
|         | LTE Band 30 Ant 0    | Back     | 1.138             | 1.138                | 10mm                   | -12.1                  | -73   | -1.28            | 103.5             | 1.93              | 0.03             | Not required     |
|         | LTE Band 26 Ant 1    |          | 0.398             | 0.79                 | 10mm                   |                        |       |                  |                   |                   |                  |                  |
|         | WLAN2.4GHz Ant 6+7   |          | 0.392             |                      | 10mm                   | -29.8                  | 29    | -1.45            |                   |                   |                  |                  |
| Case No | Band                 | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm)               | X                      | Y     | Z                | 3D distance (mm)  | Summed SAR (W/kg) | SPLSR Results    | Simultaneous SAR |
| Case 6  | LTE Band 30 Ant 0    | Back     | 1.138             | 1.138                | 10mm                   | -12.1                  | -73   | -1.28            | 142.4             | 1.94              | 0.02             | Not required     |
|         | LTE Band 26(5) Ant 1 |          | 0.398             | 0.80                 | 10mm                   | 19.5                   | 65.9  | -1.23            |                   |                   |                  |                  |
|         | WLAN5GHz Ant 6+7     |          | 0.397             |                      | 10mm                   |                        |       |                  |                   |                   |                  |                  |
|         | Bluetooth Ant 6      |          | 0.006             |                      | 10mm                   |                        |       |                  |                   |                   |                  |                  |
|         | LTE Band 30 Ant 0    | Back     | 1.138             | 1.138                | 10mm                   | -12.1                  | -73   | -1.28            | 121.2             | 1.94              | 0.02             | Not required     |
|         | LTE Band 26(5) Ant 1 |          | 0.398             | 0.80                 | 10mm                   |                        |       |                  |                   |                   |                  |                  |
|         | WLAN5GHz Ant 6+7     |          | 0.397             |                      | 10mm                   | -35.2                  | 46    | -1.29            |                   |                   |                  |                  |
|         | Bluetooth Ant 6      |          | 0.006             |                      | 10mm                   |                        |       |                  |                   |                   |                  |                  |
|         | LTE Band 30 Ant 0    | Back     | 1.138             | 1.138                | 10mm                   | -12.1                  | -73   | -1.28            | 147.0             | 1.94              | 0.02             | Not required     |
|         | LTE Band 26(5) Ant 1 |          | 0.398             | 0.80                 | 10mm                   |                        |       |                  |                   |                   |                  |                  |



# FCC SAR Test Report

Report No. : FA461912

|         | WLAN5GHz Ant 6+7     |          | 0.397             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|---------|----------------------|----------|-------------------|----------------------|----------|------------------------|-------|-------|------------------|-------------------|---------------|------------------|
|         | Bluetooth Ant 6      |          | 0.006             |                      | 10mm     | -30.6                  | 72.8  | -1.23 |                  |                   |               |                  |
| Case No | Band                 | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 7  | LTE Band 30 Ant 0    | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73   | -1.28 | 142.4            | 1.73              | 0.02          | Not required     |
|         | LTE Band 26(5) Ant 1 |          | 0.398             | 0.59                 | 10mm     | 19.5                   | 65.9  | -1.23 |                  |                   |               |                  |
|         | WLAN6GHz Ant 6+7     |          | 0.189             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6      |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 30 Ant 0    | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73   | -1.28 | 115.1            | 1.73              | 0.02          | Not required     |
|         | LTE Band 26(5) Ant 1 |          | 0.398             | 0.59                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN6GHz Ant 6+7     |          | 0.189             |                      | 10mm     | -28.2                  | 41    | -1.41 |                  |                   |               |                  |
|         | Bluetooth Ant 6      |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 30 Ant 0    | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73   | -1.28 | 147.0            | 1.73              | 0.02          | Not required     |
|         | LTE Band 26(5) Ant 1 |          | 0.398             | 0.59                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN6GHz Ant 6+7     |          | 0.189             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6      |          | 0.006             |                      | 10mm     | -30.6                  | 72.8  | -1.23 |                  |                   |               |                  |
| Case No | Band                 | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 8  | LTE Band 30 Ant 0    | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73   | -1.28 | 142.4            | 1.92              | 0.02          | Not required     |
|         | LTE Band 26(5) Ant 1 |          | 0.398             | 0.78                 | 10mm     | 19.5                   | 65.9  | -1.23 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7   |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7     |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 30 Ant 0    | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73   | -1.28 | 103.5            | 1.92              | 0.03          | Not required     |
|         | LTE Band 26(5) Ant 1 |          | 0.398             | 0.78                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7   |          | 0.18              |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7     |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 30 Ant 0    | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73   | -1.28 | 121.2            | 1.92              | 0.02          | Not required     |
|         | LTE Band 26(5) Ant 1 |          | 0.398             | 0.78                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7   |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7     |          | 0.199             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
| Case No | Band                 | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 9  | LTE Band 30 Ant 0    | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73   | -1.28 | 142.4            | 1.91              | 0.02          | Not required     |
|         | LTE Band 26(5) Ant 1 |          | 0.398             | 0.77                 | 10mm     | 19.5                   | 65.9  | -1.23 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7   |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN6GHz Ant 6+7     |          | 0.19              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 30 Ant 0    | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73   | -1.28 | 103.5            | 1.91              | 0.03          | Not required     |
|         | LTE Band 26(5) Ant 1 |          | 0.398             | 0.77                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7   |          | 0.18              |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
|         | WLAN6GHz Ant 6+7     |          | 0.19              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 30 Ant 0    | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73   | -1.28 | 115.1            | 1.91              | 0.02          | Not required     |
|         | LTE Band 26(5) Ant 1 |          | 0.398             | 0.77                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7   |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN6GHz Ant 6+7     |          | 0.19              |                      | 10mm     | -28.2                  | 41    | -1.41 |                  |                   |               |                  |
| Case No | Band                 | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 10 | LTE Band 66 Ant 0    | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 140.7            | 1.95              | 0.02          | Not required     |
|         | LTE Band 26(5) Ant 1 |          | 0.398             | 0.79                 | 10mm     | 19.5                   | 65.9  | -1.23 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7   |          | 0.392             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 66 Ant 0    | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 106.8            | 1.95              | 0.03          | Not required     |
|         | LTE Band 26 Ant 1    |          | 0.398             | 0.79                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7   |          | 0.392             |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
| Case No | Band                 | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 11 | LTE Band 66 Ant 0    | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 140.7            | 1.97              | 0.02          | Not required     |
|         | LTE Band 26(5) Ant 1 |          | 0.398             | 0.80                 | 10mm     | 19.5                   | 65.9  | -1.23 |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7     |          | 0.397             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6      |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 66 Ant 0    | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 124.7            | 1.97              | 0.02          | Not required     |
|         | LTE Band 26(5) Ant 1 |          | 0.398             | 0.80                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7     |          | 0.397             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |



# FCC SAR Test Report

Report No. : FA461912

|         | Bluetooth Ant 6      | Back     | 0.006             |                      | 10mm     |                        |       |       | 149.5            | 1.97              | 0.02          | Not required     |
|---------|----------------------|----------|-------------------|----------------------|----------|------------------------|-------|-------|------------------|-------------------|---------------|------------------|
|         | LTE Band 66 Ant 0    |          | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 |                  |                   |               |                  |
|         | LTE Band 26(5) Ant 1 |          | 0.398             | 0.80                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7     |          | 0.397             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6      |          | 0.006             |                      | 10mm     | -30.6                  | 72.8  | -1.23 |                  |                   |               |                  |
| Case No | Band                 | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 12 | LTE Band 66 Ant 0    | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 140.7            | 1.76              | 0.02          | Not required     |
|         | LTE Band 26(5) Ant 1 |          | 0.398             | 0.59                 | 10mm     | 19.5                   | 65.9  | -1.23 |                  |                   |               |                  |
|         | WLAN6GHz Ant 6+7     |          | 0.189             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6      |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 66 Ant 0    | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 118.0            | 1.76              | 0.02          | Not required     |
|         | LTE Band 26(5) Ant 1 |          | 0.398             | 0.59                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN6GHz Ant 6+7     |          | 0.189             |                      | 10mm     | -28.2                  | 41    | -1.41 |                  |                   |               |                  |
|         | Bluetooth Ant 6      |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 66 Ant 0    | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 149.5            | 1.76              | 0.02          | Not required     |
|         | LTE Band 26(5) Ant 1 |          | 0.398             | 0.59                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN6GHz Ant 6+7     |          | 0.189             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6      |          | 0.006             |                      | 10mm     | -30.6                  | 72.8  | -1.23 |                  |                   |               |                  |
| Case No | Band                 | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 13 | LTE Band 66 Ant 0    | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 140.7            | 1.94              | 0.02          | Not required     |
|         | LTE Band 26(5) Ant 1 |          | 0.398             | 0.78                 | 10mm     | 19.5                   | 65.9  | -1.23 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7   |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7     |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 66 Ant 0    | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 106.8            | 1.94              | 0.03          | Not required     |
|         | LTE Band 26(5) Ant 1 |          | 0.398             | 0.78                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7   |          | 0.18              |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7     |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 66 Ant 0    | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 124.7            | 1.94              | 0.02          | Not required     |
|         | LTE Band 26(5) Ant 1 |          | 0.398             | 0.78                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7   |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7     |          | 0.199             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
| Case No | Band                 | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 14 | LTE Band 66 Ant 0    | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 140.7            | 1.93              | 0.02          | Not required     |
|         | LTE Band 26(5) Ant 1 |          | 0.398             | 0.77                 | 10mm     | 19.5                   | 65.9  | -1.23 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7   |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN6GHz Ant 6+7     |          | 0.19              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 66 Ant 0    | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 106.8            | 1.93              | 0.03          | Not required     |
|         | LTE Band 26(5) Ant 1 |          | 0.398             | 0.77                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7   |          | 0.18              |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
|         | WLAN6GHz Ant 6+7     |          | 0.19              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 66 Ant 0    | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 118.0            | 1.93              | 0.02          | Not required     |
|         | LTE Band 26(5) Ant 1 |          | 0.398             | 0.77                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7   |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN6GHz Ant 6+7     |          | 0.19              |                      | 10mm     | -28.2                  | 41    | -1.41 |                  |                   |               |                  |
| Case No | Band                 | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 15 | LTE Band 30 Ant 0    | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73   | -1.28 | 140.5            | 1.76              | 0.02          | Not required     |
|         | LTE Band 12 Ant 1    |          | 0.226             | 0.62                 | 10mm     | 18.9                   | 64    | -1.21 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7   |          | 0.392             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 30 Ant 0    | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73   | -1.28 | 103.5            | 1.76              | 0.02          | Not required     |
|         | LTE Band 12 Ant 1    |          | 0.226             | 0.62                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7   |          | 0.392             |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
| Case No | Band                 | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 16 | LTE Band 30 Ant 0    | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73   | -1.28 | 140.5            | 1.77              | 0.02          | Not required     |
|         | LTE Band 12 Ant 1    |          | 0.226             | 0.63                 | 10mm     | 18.9                   | 64    | -1.21 |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7     |          | 0.397             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6      |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |



# FCC SAR Test Report

Report No. : FA461912

|         |                    |          |                   |                      |          |                        |       |       |                  |                   |               |                  |
|---------|--------------------|----------|-------------------|----------------------|----------|------------------------|-------|-------|------------------|-------------------|---------------|------------------|
|         | LTE Band 30 Ant 0  | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73   | -1.28 | 121.2            | 1.77              | 0.02          | Not required     |
|         | LTE Band 12 Ant 1  |          | 0.226             | 0.63                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.397             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 30 Ant 0  | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73   | -1.28 | 147.0            | 1.77              | 0.02          | Not required     |
|         | LTE Band 12 Ant 1  |          | 0.226             | 0.63                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.397             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     | -30.6                  | 72.8  | -1.23 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 17 | LTE Band 30 Ant 0  | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73   | -1.28 | 140.5            | 1.74              | 0.02          | Not required     |
|         | LTE Band 12 Ant 1  |          | 0.226             | 0.61                 | 10mm     | 18.9                   | 64    | -1.21 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 30 Ant 0  | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73   | -1.28 | 103.5            | 1.74              | 0.02          | Not required     |
|         | LTE Band 12 Ant 1  |          | 0.226             | 0.61                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.18              |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 30 Ant 0  | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73   | -1.28 | 121.2            | 1.74              | 0.02          | Not required     |
|         | LTE Band 12 Ant 1  |          | 0.226             | 0.61                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 18 | LTE Band 30 Ant 0  | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73   | -1.28 | 140.5            | 1.73              | 0.02          | Not required     |
|         | LTE Band 12 Ant 1  |          | 0.226             | 0.60                 | 10mm     | 18.9                   | 64    | -1.21 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN6GHz Ant 6+7   |          | 0.19              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 30 Ant 0  | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73   | -1.28 | 103.5            | 1.73              | 0.02          | Not required     |
|         | LTE Band 12 Ant 1  |          | 0.226             | 0.60                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.18              |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
|         | WLAN6GHz Ant 6+7   |          | 0.19              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 30 Ant 0  | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73   | -1.28 | 115.1            | 1.73              | 0.02          | Not required     |
|         | LTE Band 12 Ant 1  |          | 0.226             | 0.60                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN6GHz Ant 6+7   |          | 0.19              |                      | 10mm     | -28.2                  | 41    | -1.41 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 19 | LTE Band 66 Ant 0  | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 138.8            | 1.78              | 0.02          | Not required     |
|         | LTE Band 12 Ant 1  |          | 0.226             | 0.62                 | 10mm     | 18.9                   | 64    | -1.21 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.392             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 66 Ant 0  | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 106.8            | 1.78              | 0.02          | Not required     |
|         | LTE Band 26 Ant 1  |          | 0.226             | 0.62                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.392             |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 20 | LTE Band 66 Ant 0  | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 138.8            | 1.79              | 0.02          | Not required     |
|         | LTE Band 12 Ant 1  |          | 0.226             | 0.63                 | 10mm     | 18.9                   | 64    | -1.21 |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.397             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 66 Ant 0  | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 124.7            | 1.79              | 0.02          | Not required     |
|         | LTE Band 12 Ant 1  |          | 0.226             | 0.63                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.397             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 66 Ant 0  | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 149.5            | 1.79              | 0.02          | Not required     |
|         | LTE Band 12 Ant 1  |          | 0.226             | 0.63                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.397             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     | -30.6                  | 72.8  | -1.23 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 21 | LTE Band 66 Ant 0  | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 138.8            | 1.77              | 0.02          | Not required     |



# FCC SAR Test Report

Report No. : FA461912

|         |                    |          |                   |                      |          |                        |       |       |                  |                   |               |                  |
|---------|--------------------|----------|-------------------|----------------------|----------|------------------------|-------|-------|------------------|-------------------|---------------|------------------|
|         | LTE Band 12 Ant 1  |          | 0.226             | 0.61                 | 10mm     | 18.9                   | 64    | -1.21 | 106.8            | 1.77              | 0.02          | Not required     |
|         | WLAN2.4GHz Ant 6+7 |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 66 Ant 0  | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 106.8            | 1.77              | 0.02          | Not required     |
|         | LTE Band 12 Ant 1  |          | 0.226             | 0.61                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.18              |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   | Back     | 0.199             |                      | 10mm     |                        |       |       | 124.7            | 1.77              | 0.02          | Not required     |
|         | LTE Band 66 Ant 0  |          | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 |                  |                   |               |                  |
|         | LTE Band 12 Ant 1  |          | 0.226             | 0.61                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 | Back     | 0.18              |                      | 10mm     |                        |       |       | 124.7            | 1.77              | 0.02          | Not required     |
|         | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
|         |                    |          |                   |                      |          |                        |       |       |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 22 | LTE Band 66 Ant 0  | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 138.8            | 1.76              | 0.02          | Not required     |
|         | LTE Band 12 Ant 1  |          | 0.226             | 0.60                 | 10mm     | 18.9                   | 64    | -1.21 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN6GHz Ant 6+7   | Back     | 0.19              |                      | 10mm     |                        |       |       | 106.8            | 1.76              | 0.02          | Not required     |
|         | LTE Band 66 Ant 0  |          | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 |                  |                   |               |                  |
|         | LTE Band 12 Ant 1  |          | 0.226             | 0.60                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 | Back     | 0.18              |                      | 10mm     | -29.8                  | 29    | -1.45 | 106.8            | 1.76              | 0.02          | Not required     |
|         | WLAN6GHz Ant 6+7   |          | 0.19              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 66 Ant 0  |          | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 |                  |                   |               |                  |
|         | LTE Band 12 Ant 1  | Back     | 0.226             | 0.60                 | 10mm     |                        |       |       | 118.0            | 1.76              | 0.02          | Not required     |
|         | WLAN2.4GHz Ant 6+7 |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN6GHz Ant 6+7   |          | 0.19              |                      | 10mm     | -28.2                  | 41    | -1.41 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 23 | LTE Band 66 Ant 0  | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 138.2            | 1.83              | 0.02          | Not required     |
|         | LTE Band 13 Ant 1  |          | 0.277             | 0.67                 | 10mm     | 18.4                   | 63.5  | -1.25 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.392             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 66 Ant 0  | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 106.8            | 1.83              | 0.02          | Not required     |
|         | LTE Band 26 Ant 1  |          | 0.277             | 0.67                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.392             |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 24 | LTE Band 66 Ant 0  | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 138.2            | 1.84              | 0.02          | Not required     |
|         | LTE Band 13 Ant 1  |          | 0.277             | 0.68                 | 10mm     | 18.4                   | 63.5  | -1.25 |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.397             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6    | Back     | 0.006             |                      | 10mm     |                        |       |       | 124.7            | 1.84              | 0.02          | Not required     |
|         | LTE Band 66 Ant 0  |          | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 |                  |                   |               |                  |
|         | LTE Band 13 Ant 1  |          | 0.277             | 0.68                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   | Back     | 0.397             |                      | 10mm     | -35.2                  | 46    | -1.29 | 124.7            | 1.84              | 0.02          | Not required     |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 66 Ant 0  |          | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 |                  |                   |               |                  |
|         | LTE Band 13 Ant 1  | Back     | 0.277             | 0.68                 | 10mm     |                        |       |       | 149.5            | 1.84              | 0.02          | Not required     |
|         | WLAN5GHz Ant 6+7   |          | 0.397             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     | -30.6                  | 72.8  | -1.23 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 25 | LTE Band 66 Ant 0  | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 138.2            | 1.64              | 0.02          | Not required     |
|         | LTE Band 13 Ant 1  |          | 0.277             | 0.47                 | 10mm     | 18.4                   | 63.5  | -1.25 |                  |                   |               |                  |
|         | WLAN6GHz Ant 6+7   |          | 0.189             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6    | Back     | 0.006             |                      | 10mm     |                        |       |       | 118.0            | 1.64              | 0.02          | Not required     |
|         | LTE Band 66 Ant 0  |          | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 |                  |                   |               |                  |
|         | LTE Band 13 Ant 1  |          | 0.277             | 0.47                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN6GHz Ant 6+7   | Back     | 0.189             |                      | 10mm     | -28.2                  | 41    | -1.41 | 118.0            | 1.64              | 0.02          | Not required     |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 66 Ant 0  |          | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 |                  |                   |               |                  |
|         | LTE Band 13 Ant 1  | Back     | 0.277             | 0.47                 | 10mm     |                        |       |       | 149.5            | 1.64              | 0.01          | Not required     |
|         | WLAN6GHz Ant 6+7   |          | 0.189             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     | -30.6                  | 72.8  | -1.23 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |



# FCC SAR Test Report

Report No. : FA461912

|         |                    |          | (W/kg)            | 1g SAR (W/kg)        | (mm)     | X                      | Y     | Z     | distance (mm)    | SAR (W/kg)        |               |                  |
|---------|--------------------|----------|-------------------|----------------------|----------|------------------------|-------|-------|------------------|-------------------|---------------|------------------|
| Case 26 | LTE Band 66 Ant 0  | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 138.2            | 1.82              | 0.02          | Not required     |
|         | LTE Band 13 Ant 1  |          | 0.277             | 0.66                 | 10mm     | 18.4                   | 63.5  | -1.25 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 66 Ant 0  | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 106.8            | 1.82              | 0.02          | Not required     |
|         | LTE Band 13 Ant 1  |          | 0.277             | 0.66                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.18              |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 66 Ant 0  | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 124.7            | 1.82              | 0.02          | Not required     |
|         | LTE Band 13 Ant 1  |          | 0.277             | 0.66                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 27 | LTE Band 66 Ant 0  | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 138.2            | 1.81              | 0.02          | Not required     |
|         | LTE Band 13 Ant 1  |          | 0.277             | 0.65                 | 10mm     | 18.4                   | 63.5  | -1.25 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN6GHz Ant 6+7   |          | 0.19              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 66 Ant 0  | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 106.8            | 1.81              | 0.02          | Not required     |
|         | LTE Band 13 Ant 1  |          | 0.277             | 0.65                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.18              |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
|         | WLAN6GHz Ant 6+7   |          | 0.19              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 66 Ant 0  | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 118.0            | 1.81              | 0.02          | Not required     |
|         | LTE Band 13 Ant 1  |          | 0.277             | 0.65                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN6GHz Ant 6+7   |          | 0.19              |                      | 10mm     | -28.2                  | 41    | -1.41 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 28 | LTE Band 30 Ant 0  | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73   | -1.28 | 145.0            | 1.77              | 0.02          | Not required     |
|         | LTE Band 14 Ant 1  |          | 0.236             | 0.63                 | 10mm     | 20.2                   | 68.4  | -1.25 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.392             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 30 Ant 0  | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73   | -1.28 | 103.5            | 1.77              | 0.02          | Not required     |
|         | LTE Band 14 Ant 1  |          | 0.236             | 0.63                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.392             |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 29 | LTE Band 30 Ant 0  | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73   | -1.28 | 145.0            | 1.78              | 0.02          | Not required     |
|         | LTE Band 14 Ant 1  |          | 0.236             | 0.64                 | 10mm     | 20.2                   | 68.4  | -1.25 |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.397             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 30 Ant 0  | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73   | -1.28 | 121.2            | 1.78              | 0.02          | Not required     |
|         | LTE Band 14 Ant 1  |          | 0.236             | 0.64                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.397             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 30 Ant 0  | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73   | -1.28 | 147.0            | 1.78              | 0.02          | Not required     |
|         | LTE Band 14 Ant 1  |          | 0.236             | 0.64                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.397             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     | -30.6                  | 72.8  | -1.23 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 30 | LTE Band 30 Ant 0  | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73   | -1.28 | 145.0            | 1.75              | 0.02          | Not required     |
|         | LTE Band 14 Ant 1  |          | 0.236             | 0.62                 | 10mm     | 20.2                   | 68.4  | -1.25 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 30 Ant 0  | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73   | -1.28 | 103.5            | 1.75              | 0.02          | Not required     |
|         | LTE Band 14 Ant 1  |          | 0.236             | 0.62                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.18              |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 30 Ant 0  | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73   | -1.28 | 121.2            | 1.75              | 0.02          | Not required     |
|         | LTE Band 14 Ant 1  |          | 0.236             | 0.62                 | 10mm     |                        |       |       |                  |                   |               |                  |



# FCC SAR Test Report

Report No. : FA461912

|         | WLAN2.4GHz Ant 6+7 |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|---------|--------------------|----------|-------------------|----------------------|----------|------------------------|-------|-------|------------------|-------------------|---------------|------------------|
|         | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 31 | LTE Band 30 Ant 0  | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73   | -1.28 | 145.0            | 1.74              | 0.02          | Not required     |
|         | LTE Band 14 Ant 1  |          | 0.236             | 0.61                 | 10mm     | 20.2                   | 68.4  | -1.25 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN6GHz Ant 6+7   |          | 0.19              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 30 Ant 0  | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73   | -1.28 | 103.5            | 1.74              | 0.02          | Not required     |
|         | LTE Band 14 Ant 1  |          | 0.236             | 0.61                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.18              |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
|         | WLAN6GHz Ant 6+7   |          | 0.19              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 30 Ant 0  | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73   | -1.28 | 115.1            | 1.74              | 0.02          | Not required     |
|         | LTE Band 14 Ant 1  |          | 0.236             | 0.61                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN6GHz Ant 6+7   |          | 0.19              |                      | 10mm     | -28.2                  | 41    | -1.41 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 32 | LTE Band 66 Ant 0  | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 143.3            | 1.79              | 0.02          | Not required     |
|         | LTE Band 14 Ant 1  |          | 0.236             | 0.63                 | 10mm     | 20.2                   | 68.4  | -1.25 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.392             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 66 Ant 0  | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 106.8            | 1.79              | 0.02          | Not required     |
|         | LTE Band 26 Ant 1  |          | 0.236             | 0.63                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.392             |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 33 | LTE Band 66 Ant 0  | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 143.3            | 1.80              | 0.02          | Not required     |
|         | LTE Band 14 Ant 1  |          | 0.236             | 0.64                 | 10mm     | 20.2                   | 68.4  | -1.25 |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.397             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 66 Ant 0  | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 124.7            | 1.80              | 0.02          | Not required     |
|         | LTE Band 14 Ant 1  |          | 0.236             | 0.64                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.397             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 66 Ant 0  | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 149.5            | 1.80              | 0.02          | Not required     |
|         | LTE Band 14 Ant 1  |          | 0.236             | 0.64                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.397             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     | -30.6                  | 72.8  | -1.23 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 34 | LTE Band 66 Ant 0  | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 143.3            | 1.60              | 0.01          | Not required     |
|         | LTE Band 14 Ant 1  |          | 0.236             | 0.43                 | 10mm     | 20.2                   | 68.4  | -1.25 |                  |                   |               |                  |
|         | WLAN6GHz Ant 6+7   |          | 0.189             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 66 Ant 0  | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 118.0            | 1.60              | 0.02          | Not required     |
|         | LTE Band 14 Ant 1  |          | 0.236             | 0.43                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN6GHz Ant 6+7   |          | 0.189             |                      | 10mm     | -28.2                  | 41    | -1.41 |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 66 Ant 0  | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 149.5            | 1.60              | 0.01          | Not required     |
|         | LTE Band 14 Ant 1  |          | 0.236             | 0.43                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN6GHz Ant 6+7   |          | 0.189             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     | -30.6                  | 72.8  | -1.23 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 35 | LTE Band 66 Ant 0  | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 143.3            | 1.78              | 0.02          | Not required     |
|         | LTE Band 14 Ant 1  |          | 0.236             | 0.62                 | 10mm     | 20.2                   | 68.4  | -1.25 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 66 Ant 0  | Back     | 1.164             | 0.62                 | 10mm     | 0.3                    | -73.5 | -1.28 | 106.8            | 1.78              | 0.02          | Not required     |
|         | LTE Band 14 Ant 1  |          | 0.236             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.18              |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |



# FCC SAR Test Report

Report No. : FA461912

|         |                      |          |                   |                      |          |                        |       |       |                  |                   |               |                  |
|---------|----------------------|----------|-------------------|----------------------|----------|------------------------|-------|-------|------------------|-------------------|---------------|------------------|
|         | WLAN5GHz Ant 6+7     | Back     | 0.199             |                      | 10mm     |                        |       |       | 124.7            | 1.78              | 0.02          | Not required     |
|         | LTE Band 66 Ant 0    |          | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 |                  |                   |               |                  |
|         | LTE Band 14 Ant 1    |          | 0.236             | 0.62                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7   |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7     |          | 0.199             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
| Case No | Band                 | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 36 | LTE Band 66 Ant 0    | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 143.3            | 1.77              | 0.02          | Not required     |
|         | LTE Band 14 Ant 1    |          | 0.236             | 0.61                 | 10mm     | 20.2                   | 68.4  | -1.25 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7   |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN6GHz Ant 6+7     |          | 0.19              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 66 Ant 0    | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 106.8            | 1.77              | 0.02          | Not required     |
|         | LTE Band 14 Ant 1    |          | 0.236             | 0.61                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7   |          | 0.18              |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
|         | WLAN6GHz Ant 6+7     |          | 0.19              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 66 Ant 0    | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 118.0            | 1.77              | 0.02          | Not required     |
|         | LTE Band 14 Ant 1    |          | 0.236             | 0.61                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7   |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN6GHz Ant 6+7     |          | 0.19              |                      | 10mm     | -28.2                  | 41    | -1.41 |                  |                   |               |                  |
| Case No | Band                 | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 37 | LTE Band 25(2) Ant 0 | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 140.8            | 1.68              | 0.02          | Not required     |
|         | LTE Band 26(5) Ant 1 |          | 0.398             | 0.79                 | 10mm     | 19.5                   | 65.9  | -1.23 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7   |          | 0.392             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 25(2) Ant 0 | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 106.9            | 1.68              | 0.02          | Not required     |
|         | LTE Band 26(5) Ant 1 |          | 0.398             | 0.79                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7   |          | 0.392             |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
| Case No | Band                 | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 38 | LTE Band 25(2) Ant 0 | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 140.8            | 1.70              | 0.02          | Not required     |
|         | LTE Band 26(5) Ant 1 |          | 0.398             | 0.80                 | 10mm     | 19.5                   | 65.9  | -1.23 |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7     |          | 0.397             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6      |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 25(2) Ant 0 | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 124.8            | 1.70              | 0.02          | Not required     |
|         | LTE Band 26(5) Ant 1 |          | 0.398             | 0.80                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7     |          | 0.397             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
|         | Bluetooth Ant 6      |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 25(2) Ant 0 | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 149.6            | 1.70              | 0.01          | Not required     |
|         | LTE Band 26(5) Ant 1 |          | 0.398             | 0.80                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7     |          | 0.397             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6      |          | 0.006             |                      | 10mm     | -30.6                  | 72.8  | -1.23 |                  |                   |               |                  |
| Case No | Band                 | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 39 | LTE Band 25(2) Ant 0 | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 140.8            | 1.67              | 0.02          | Not required     |
|         | LTE Band 26(5) Ant 1 |          | 0.398             | 0.78                 | 10mm     | 19.5                   | 65.9  | -1.23 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7   |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7     |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 25(2) Ant 0 | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 106.9            | 1.67              | 0.02          | Not required     |
|         | LTE Band 26(5) Ant 1 |          | 0.398             | 0.78                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7   |          | 0.18              |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7     |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 25(2) Ant 0 | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 124.8            | 1.67              | 0.02          | Not required     |
|         | LTE Band 26(5) Ant 1 |          | 0.398             | 0.78                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7   |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7     |          | 0.199             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
| Case No | Band                 | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 40 | LTE Band 25(2) Ant 0 | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 140.8            | 1.66              | 0.02          | Not required     |
|         | LTE Band 26(5) Ant 1 |          | 0.398             | 0.77                 | 10mm     | 19.5                   | 65.9  | -1.23 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7   |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN6GHz Ant 6+7     |          | 0.19              |                      | 10mm     |                        |       |       |                  |                   |               |                  |



# FCC SAR Test Report

Report No. : FA461912

|         |                      |          |                   |                      |          |                        |       |       |                  |                   |               |                  |
|---------|----------------------|----------|-------------------|----------------------|----------|------------------------|-------|-------|------------------|-------------------|---------------|------------------|
|         | LTE Band 25(2) Ant 0 | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 106.9            | 1.66              | 0.02          | Not required     |
|         | LTE Band 26(5) Ant 1 |          | 0.398             | 0.77                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7   |          | 0.18              |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
|         | WLAN6GHz Ant 6+7     |          | 0.19              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 25(2) Ant 0 | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 118.1            | 1.66              | 0.02          | Not required     |
|         | LTE Band 26(5) Ant 1 |          | 0.398             | 0.77                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7   |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN6GHz Ant 6+7     |          | 0.19              |                      | 10mm     | -28.2                  | 41    | -1.41 |                  |                   |               |                  |
| Case No | Band                 | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 41 | LTE Band 66(4) Ant 0 | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 140.7            | 1.95              | 0.02          | Not required     |
|         | LTE Band 26(5) Ant 1 |          | 0.398             | 0.79                 | 10mm     | 19.5                   | 65.9  | -1.23 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7   |          | 0.392             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 66(4) Ant 0 | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 106.8            | 1.95              | 0.03          | Not required     |
|         | LTE Band 26(5) Ant 1 |          | 0.398             | 0.79                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7   |          | 0.392             |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
| Case No | Band                 | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 42 | LTE Band 66(4) Ant 0 | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 140.7            | 1.97              | 0.02          | Not required     |
|         | LTE Band 26(5) Ant 1 |          | 0.398             | 0.80                 | 10mm     | 19.5                   | 65.9  | -1.23 |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7     |          | 0.397             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6      |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 66(4) Ant 0 | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 124.7            | 1.97              | 0.02          | Not required     |
|         | LTE Band 26(5) Ant 1 |          | 0.398             | 0.80                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7     |          | 0.397             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
|         | Bluetooth Ant 6      |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 66(4) Ant 0 | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 149.5            | 1.97              | 0.02          | Not required     |
|         | LTE Band 26(5) Ant 1 |          | 0.398             | 0.80                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7     |          | 0.397             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6      |          | 0.006             |                      | 10mm     | -30.6                  | 72.8  | -1.23 |                  |                   |               |                  |
| Case No | Band                 | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 43 | LTE Band 66(4) Ant 0 | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 140.7            | 1.76              | 0.02          | Not required     |
|         | LTE Band 26(5) Ant 1 |          | 0.398             | 0.59                 | 10mm     | 19.5                   | 65.9  | -1.23 |                  |                   |               |                  |
|         | WLAN6GHz Ant 6+7     |          | 0.189             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6      |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 66(4) Ant 0 | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 118.0            | 1.76              | 0.02          | Not required     |
|         | LTE Band 26(5) Ant 1 |          | 0.398             | 0.59                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN6GHz Ant 6+7     |          | 0.189             |                      | 10mm     | -28.2                  | 41    | -1.41 |                  |                   |               |                  |
|         | Bluetooth Ant 6      |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 66(4) Ant 0 | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 149.5            | 1.76              | 0.02          | Not required     |
|         | LTE Band 26(5) Ant 1 |          | 0.398             | 0.59                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN6GHz Ant 6+7     |          | 0.189             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6      |          | 0.006             |                      | 10mm     | -30.6                  | 72.8  | -1.23 |                  |                   |               |                  |
| Case No | Band                 | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 44 | LTE Band 66(4) Ant 0 | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 140.7            | 1.94              | 0.02          | Not required     |
|         | LTE Band 26(5) Ant 1 |          | 0.398             | 0.78                 | 10mm     | 19.5                   | 65.9  | -1.23 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7   |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7     |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 66(4) Ant 0 | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 106.8            | 1.94              | 0.03          | Not required     |
|         | LTE Band 26(5) Ant 1 |          | 0.398             | 0.78                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7   |          | 0.18              |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7     |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 66(4) Ant 0 | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 124.7            | 1.94              | 0.02          | Not required     |
|         | LTE Band 26(5) Ant 1 |          | 0.398             | 0.78                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7   |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7     |          | 0.199             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
| Case No | Band                 | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 45 | LTE Band 66(4) Ant 0 | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 140.7            | 1.93              | 0.02          | Not required     |



# FCC SAR Test Report

Report No. : FA461912

|         | LTE Band 26(5) Ant 1  |          | 0.398             | 0.77                 | 10mm     | 19.5                   | 65.9  | -1.23 |                  |                   |               |                  |
|---------|-----------------------|----------|-------------------|----------------------|----------|------------------------|-------|-------|------------------|-------------------|---------------|------------------|
|         | WLAN2.4GHz Ant 6+7    |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN6GHz Ant 6+7      |          | 0.19              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 66(4) Ant 0  | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 106.8            | 1.93              | 0.03          | Not required     |
|         | LTE Band 26(5) Ant 1  |          | 0.398             | 0.77                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7    |          | 0.18              |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
|         | WLAN6GHz Ant 6+7      | Back     | 0.19              |                      | 10mm     |                        |       |       | 118.0            | 1.93              | 0.02          | Not required     |
|         | LTE Band 66(4) Ant 0  |          | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 |                  |                   |               |                  |
|         | LTE Band 26(5) Ant 1  |          | 0.398             | 0.77                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7    |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN6GHz Ant 6+7      |          | 0.19              |                      | 10mm     | -28.2                  | 41    | -1.41 |                  |                   |               |                  |
| Case No | Band                  | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 46 | LTE Band 66(4) Ant 0  | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 138.8            | 1.78              | 0.02          | Not required     |
|         | LTE Band 12(17) Ant 1 |          | 0.226             | 0.62                 | 10mm     | 18.9                   | 64    | -1.21 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7    |          | 0.392             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 66 Ant 0     | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 106.8            | 1.78              | 0.02          | Not required     |
|         | LTE Band 26 Ant 1     |          | 0.226             | 0.62                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7    |          | 0.392             |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
| Case No | Band                  | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 47 | LTE Band 66(4) Ant 0  | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 138.8            | 1.79              | 0.02          | Not required     |
|         | LTE Band 12(17) Ant 1 |          | 0.226             | 0.63                 | 10mm     | 18.9                   | 64    | -1.21 |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7      |          | 0.397             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6       |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 66(4) Ant 0  | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 124.7            | 1.79              | 0.02          | Not required     |
|         | LTE Band 12(17) Ant 1 |          | 0.226             | 0.63                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7      |          | 0.397             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
|         | Bluetooth Ant 6       |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 66(4) Ant 0  | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 149.5            | 1.79              | 0.02          | Not required     |
|         | LTE Band 12(17) Ant 1 |          | 0.226             | 0.63                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7      |          | 0.397             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6       |          | 0.006             |                      | 10mm     | -30.6                  | 72.8  | -1.23 |                  |                   |               |                  |
| Case No | Band                  | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 48 | LTE Band 66(4) Ant 0  | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 138.8            | 1.77              | 0.02          | Not required     |
|         | LTE Band 12(17) Ant 1 |          | 0.226             | 0.61                 | 10mm     | 18.9                   | 64    | -1.21 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7    |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7      |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 66(4) Ant 0  | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 106.8            | 1.77              | 0.02          | Not required     |
|         | LTE Band 12(17) Ant 1 |          | 0.226             | 0.61                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7    |          | 0.18              |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7      |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 66(4) Ant 0  | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 124.7            | 1.77              | 0.02          | Not required     |
|         | LTE Band 12(17) Ant 1 |          | 0.226             | 0.61                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7    |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7      |          | 0.199             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
| Case No | Band                  | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 49 | LTE Band 66(4) Ant 0  | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 138.8            | 1.76              | 0.02          | Not required     |
|         | LTE Band 12(17) Ant 1 |          | 0.226             | 0.60                 | 10mm     | 18.9                   | 64    | -1.21 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7    |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN6GHz Ant 6+7      |          | 0.19              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 66(4) Ant 0  | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 106.8            | 1.76              | 0.02          | Not required     |
|         | LTE Band 12(17) Ant 1 |          | 0.226             | 0.60                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7    |          | 0.18              |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
|         | WLAN6GHz Ant 6+7      |          | 0.19              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 66(4) Ant 0  | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 118.0            | 1.76              | 0.02          | Not required     |
|         | LTE Band 12(17) Ant 1 |          | 0.226             | 0.60                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7    |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN6GHz Ant 6+7      |          | 0.19              |                      | 10mm     | -28.2                  | 41    | -1.41 |                  |                   |               |                  |
| Case No | Band                  | Position | SAR 1g SAR        | Summed               | Gap      | SAR peak location (mm) |       |       | 3D               | Summed            | SPLSR         | Simultaneous     |



# FCC SAR Test Report

Report No. : FA461912

|         |                      |          | (W/kg)               | 1g SAR<br>(W/kg)           | (mm)        | X                      | Y     | Z     | distance<br>(mm)       | SAR<br>(W/kg)           |                  |                     |
|---------|----------------------|----------|----------------------|----------------------------|-------------|------------------------|-------|-------|------------------------|-------------------------|------------------|---------------------|
| Case 50 | LTE Band 66(4) Ant 0 | Back     | 1.164                | 1.164                      | 10mm        | 0.3                    | -73.5 | -1.28 | 138.2                  | 1.83                    | 0.02             | Not required        |
|         | LTE Band 13 Ant 1    |          | 0.277                | 0.67                       | 10mm        | 18.4                   | 63.5  | -1.25 |                        |                         |                  |                     |
|         | WLAN2.4GHz Ant 6+7   |          | 0.392                |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|         | LTE Band 66 Ant 0    | Back     | 1.164                | 1.164                      | 10mm        | 0.3                    | -73.5 | -1.28 | 106.8                  | 1.83                    | 0.02             | Not required        |
|         | LTE Band 26 Ant 1    |          | 0.277                | 0.67                       | 10mm        |                        |       |       |                        |                         |                  |                     |
|         | WLAN2.4GHz Ant 6+7   |          | 0.392                |                            | 10mm        | -29.8                  | 29    | -1.45 |                        |                         |                  |                     |
| Case No | Band                 | Position | SAR 1g SAR<br>(W/kg) | Summed<br>1g SAR<br>(W/kg) | Gap<br>(mm) | SAR peak location (mm) |       |       | 3D<br>distance<br>(mm) | Summed<br>SAR<br>(W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
| Case 51 | LTE Band 66(4) Ant 0 | Back     | 1.164                | 1.164                      | 10mm        | 0.3                    | -73.5 | -1.28 | 138.2                  | 1.84                    | 0.02             | Not required        |
|         | LTE Band 13 Ant 1    |          | 0.277                | 0.68                       | 10mm        | 18.4                   | 63.5  | -1.25 |                        |                         |                  |                     |
|         | WLAN5GHz Ant 6+7     |          | 0.397                |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|         | Bluetooth Ant 6      |          | 0.006                |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|         | LTE Band 66(4) Ant 0 | Back     | 1.164                | 1.164                      | 10mm        | 0.3                    | -73.5 | -1.28 | 124.7                  | 1.84                    | 0.02             | Not required        |
|         | LTE Band 13 Ant 1    |          | 0.277                | 0.68                       | 10mm        |                        |       |       |                        |                         |                  |                     |
|         | WLAN5GHz Ant 6+7     |          | 0.397                |                            | 10mm        | -35.2                  | 46    | -1.29 |                        |                         |                  |                     |
|         | Bluetooth Ant 6      |          | 0.006                |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|         | LTE Band 66(4) Ant 0 | Back     | 1.164                | 1.164                      | 10mm        | 0.3                    | -73.5 | -1.28 | 149.5                  | 1.84                    | 0.02             | Not required        |
|         | LTE Band 13 Ant 1    |          | 0.277                | 0.68                       | 10mm        |                        |       |       |                        |                         |                  |                     |
|         | WLAN5GHz Ant 6+7     |          | 0.397                |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|         | Bluetooth Ant 6      |          | 0.006                |                            | 10mm        | -30.6                  | 72.8  | -1.23 |                        |                         |                  |                     |
| Case No | Band                 | Position | SAR 1g SAR<br>(W/kg) | Summed<br>1g SAR<br>(W/kg) | Gap<br>(mm) | SAR peak location (mm) |       |       | 3D<br>distance<br>(mm) | Summed<br>SAR<br>(W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
| Case 52 | LTE Band 66(4) Ant 0 | Back     | 1.164                | 1.164                      | 10mm        | 0.3                    | -73.5 | -1.28 | 138.2                  | 1.64                    | 0.02             | Not required        |
|         | LTE Band 13 Ant 1    |          | 0.277                | 0.47                       | 10mm        | 18.4                   | 63.5  | -1.25 |                        |                         |                  |                     |
|         | WLAN6GHz Ant 6+7     |          | 0.189                |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|         | Bluetooth Ant 6      |          | 0.006                |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|         | LTE Band 66(4) Ant 0 | Back     | 1.164                | 1.164                      | 10mm        | 0.3                    | -73.5 | -1.28 | 118.0                  | 1.64                    | 0.02             | Not required        |
|         | LTE Band 13 Ant 1    |          | 0.277                | 0.47                       | 10mm        |                        |       |       |                        |                         |                  |                     |
|         | WLAN6GHz Ant 6+7     |          | 0.189                |                            | 10mm        | -28.2                  | 41    | -1.41 |                        |                         |                  |                     |
|         | Bluetooth Ant 6      |          | 0.006                |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|         | LTE Band 66(4) Ant 0 | Back     | 1.164                | 1.164                      | 10mm        | 0.3                    | -73.5 | -1.28 | 149.5                  | 1.64                    | 0.01             | Not required        |
|         | LTE Band 13 Ant 1    |          | 0.277                | 0.47                       | 10mm        |                        |       |       |                        |                         |                  |                     |
|         | WLAN6GHz Ant 6+7     |          | 0.189                |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|         | Bluetooth Ant 6      |          | 0.006                |                            | 10mm        | -30.6                  | 72.8  | -1.23 |                        |                         |                  |                     |
| Case No | Band                 | Position | SAR 1g SAR<br>(W/kg) | Summed<br>1g SAR<br>(W/kg) | Gap<br>(mm) | SAR peak location (mm) |       |       | 3D<br>distance<br>(mm) | Summed<br>SAR<br>(W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
| Case 53 | LTE Band 66(4) Ant 0 | Back     | 1.164                | 1.164                      | 10mm        | 0.3                    | -73.5 | -1.28 | 138.2                  | 1.82                    | 0.02             | Not required        |
|         | LTE Band 13 Ant 1    |          | 0.277                | 0.66                       | 10mm        | 18.4                   | 63.5  | -1.25 |                        |                         |                  |                     |
|         | WLAN2.4GHz Ant 6+7   |          | 0.18                 |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|         | WLAN5GHz Ant 6+7     |          | 0.199                |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|         | LTE Band 66(4) Ant 0 | Back     | 1.164                | 1.164                      | 10mm        | 0.3                    | -73.5 | -1.28 | 106.8                  | 1.82                    | 0.02             | Not required        |
|         | LTE Band 13 Ant 1    |          | 0.277                | 0.66                       | 10mm        |                        |       |       |                        |                         |                  |                     |
|         | WLAN2.4GHz Ant 6+7   |          | 0.18                 |                            | 10mm        | -29.8                  | 29    | -1.45 |                        |                         |                  |                     |
|         | WLAN5GHz Ant 6+7     |          | 0.199                |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|         | LTE Band 66(4) Ant 0 | Back     | 1.164                | 1.164                      | 10mm        | 0.3                    | -73.5 | -1.28 | 124.7                  | 1.82                    | 0.02             | Not required        |
|         | LTE Band 13 Ant 1    |          | 0.277                | 0.66                       | 10mm        |                        |       |       |                        |                         |                  |                     |
|         | WLAN2.4GHz Ant 6+7   |          | 0.18                 |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|         | WLAN5GHz Ant 6+7     |          | 0.199                |                            | 10mm        | -35.2                  | 46    | -1.29 |                        |                         |                  |                     |
| Case No | Band                 | Position | SAR 1g SAR<br>(W/kg) | Summed<br>1g SAR<br>(W/kg) | Gap<br>(mm) | SAR peak location (mm) |       |       | 3D<br>distance<br>(mm) | Summed<br>SAR<br>(W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
| Case 54 | LTE Band 66(4) Ant 0 | Back     | 1.164                | 1.164                      | 10mm        | 0.3                    | -73.5 | -1.28 | 138.2                  | 1.81                    | 0.02             | Not required        |
|         | LTE Band 13 Ant 1    |          | 0.277                | 0.65                       | 10mm        | 18.4                   | 63.5  | -1.25 |                        |                         |                  |                     |
|         | WLAN2.4GHz Ant 6+7   |          | 0.18                 |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|         | WLAN6GHz Ant 6+7     |          | 0.19                 |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|         | LTE Band 66(4) Ant 0 | Back     | 1.164                | 1.164                      | 10mm        | 0.3                    | -73.5 | -1.28 | 106.8                  | 1.81                    | 0.02             | Not required        |
|         | LTE Band 13 Ant 1    |          | 0.277                | 0.65                       | 10mm        |                        |       |       |                        |                         |                  |                     |
|         | WLAN2.4GHz Ant 6+7   |          | 0.18                 |                            | 10mm        | -29.8                  | 29    | -1.45 |                        |                         |                  |                     |
|         | WLAN6GHz Ant 6+7     |          | 0.19                 |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|         | LTE Band 66(4) Ant 0 | Back     | 1.164                | 1.164                      | 10mm        | 0.3                    | -73.5 | -1.28 | 118.0                  | 1.81                    | 0.02             | Not required        |
|         | LTE Band 13 Ant 1    |          | 0.277                | 0.65                       | 10mm        |                        |       |       |                        |                         |                  |                     |



# FCC SAR Test Report

Report No. : FA461912

|         | WLAN2.4GHz Ant 6+7   |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|---------|----------------------|----------|-------------------|----------------------|----------|------------------------|-------|-------|------------------|-------------------|---------------|------------------|
|         | WLAN6GHz Ant 6+7     |          | 0.19              |                      | 10mm     | -28.2                  | 41    | -1.41 |                  |                   |               |                  |
| Case No | Band                 | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 55 | LTE Band 25(2) Ant 0 | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 73.6             | 1.80              | 0.03          | Not required     |
|         | LTE Band 66(4) Ant 5 |          | 0.516             | 0.91                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7   |          | 0.392             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 25(2) Ant 0 | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 106.9            | 1.80              | 0.02          | Not required     |
|         | LTE Band 66(4) Ant 5 |          | 0.516             | 0.91                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7   |          | 0.392             |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
| Case No | Band                 | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 56 | LTE Band 25(2) Ant 0 | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 73.6             | 1.81              | 0.03          | Not required     |
|         | LTE Band 66(4) Ant 5 |          | 0.516             | 0.92                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7     |          | 0.397             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6      |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 25(2) Ant 0 | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 124.8            | 1.81              | 0.02          | Not required     |
|         | LTE Band 66(4) Ant 5 |          | 0.516             | 0.92                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7     |          | 0.397             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
|         | Bluetooth Ant 6      |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 25(2) Ant 0 | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 149.6            | 1.81              | 0.02          | Not required     |
|         | LTE Band 66(4) Ant 5 |          | 0.516             | 0.92                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7     |          | 0.397             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6      |          | 0.006             |                      | 10mm     | -30.6                  | 72.8  | -1.23 |                  |                   |               |                  |
| Case No | Band                 | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 57 | LTE Band 25(2) Ant 0 | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 149.4            | 1.61              | 0.01          | Not required     |
|         | LTE Band 66(4) Ant 5 |          | 0.516             | 0.71                 | 10mm     | -8.7                   | 75.5  | -1.36 |                  |                   |               |                  |
|         | WLAN6GHz Ant 6+7     |          | 0.189             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6      |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 25(2) Ant 0 | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 118.1            | 1.61              | 0.02          | Not required     |
|         | LTE Band 66(4) Ant 5 |          | 0.516             | 0.71                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN6GHz Ant 6+7     |          | 0.189             |                      | 10mm     | -28.2                  | 41    | -1.41 |                  |                   |               |                  |
|         | Bluetooth Ant 6      |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 25(2) Ant 0 | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 149.6            | 1.61              | 0.01          | Not required     |
|         | LTE Band 66(4) Ant 5 |          | 0.516             | 0.71                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN6GHz Ant 6+7     |          | 0.189             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6      |          | 0.006             |                      | 10mm     | -30.6                  | 72.8  | -1.23 |                  |                   |               |                  |
| Case No | Band                 | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 58 | LTE Band 25(2) Ant 0 | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 149.4            | 1.79              | 0.02          | Not required     |
|         | LTE Band 66(4) Ant 5 |          | 0.516             | 0.90                 | 10mm     | -8.7                   | 75.5  | -1.36 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7   |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7     |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 25(2) Ant 0 | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 106.9            | 1.79              | 0.02          | Not required     |
|         | LTE Band 66(4) Ant 5 |          | 0.516             | 0.90                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7   |          | 0.18              |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7     |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 25(2) Ant 0 | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 124.8            | 1.79              | 0.02          | Not required     |
|         | LTE Band 66(4) Ant 5 |          | 0.516             | 0.90                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7   |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7     |          | 0.199             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
| Case No | Band                 | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 59 | LTE Band 25(2) Ant 0 | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 149.4            | 1.78              | 0.02          | Not required     |
|         | LTE Band 66(4) Ant 5 |          | 0.516             | 0.89                 | 10mm     | -8.7                   | 75.5  | -1.36 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7   |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN6GHz Ant 6+7     |          | 0.19              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 25(2) Ant 0 | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 106.9            | 1.78              | 0.02          | Not required     |
|         | LTE Band 66(4) Ant 5 |          | 0.516             | 0.89                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7   |          | 0.18              |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |



# FCC SAR Test Report

Report No. : FA461912

|         |                      |          |                   |                      |          |                        |       |       |                  |                   |               |                  |
|---------|----------------------|----------|-------------------|----------------------|----------|------------------------|-------|-------|------------------|-------------------|---------------|------------------|
|         | WLAN6GHz Ant 6+7     | Back     | 0.19              |                      | 10mm     |                        |       |       | 118.1            | 1.78              | 0.02          | Not required     |
|         | LTE Band 25(2) Ant 0 |          | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 |                  |                   |               |                  |
|         | LTE Band 66(4) Ant 5 |          | 0.516             | 0.89                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7   |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN6GHz Ant 6+7     |          | 0.19              |                      | 10mm     | -28.2                  | 41    | -1.41 |                  |                   |               |                  |
| Case No | Band                 | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 60 | FR1 n66 Ant 0        | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 144.5            | 1.88              | 0.02          | Not required     |
|         | LTE Band 26(5) Ant 1 |          | 0.398             | 0.79                 | 10mm     | 19.5                   | 65.9  | -1.23 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7   |          | 0.392             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | FR1 n66 Ant 0        | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 108.6            | 1.88              | 0.02          | Not required     |
|         | LTE Band 26(5) Ant 1 |          | 0.398             | 0.79                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7   |          | 0.392             |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
| Case No | Band                 | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 61 | FR1 n66 Ant 0        | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 144.5            | 1.89              | 0.02          | Not required     |
|         | LTE Band 26(5) Ant 1 |          | 0.398             | 0.80                 | 10mm     | 19.5                   | 65.9  | -1.23 |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7     |          | 0.397             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6      |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | FR1 n66 Ant 0        | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 126.4            | 1.89              | 0.02          | Not required     |
|         | LTE Band 26(5) Ant 1 |          | 0.398             | 0.80                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7     |          | 0.397             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
|         | Bluetooth Ant 6      |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | FR1 n66 Ant 0        | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 151.7            | 1.89              | 0.02          | Not required     |
|         | LTE Band 26(5) Ant 1 |          | 0.398             | 0.80                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7     |          | 0.397             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6      |          | 0.006             |                      | 10mm     | -30.6                  | 72.8  | -1.23 |                  |                   |               |                  |
| Case No | Band                 | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 62 | FR1 n66 Ant 0        | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 144.5            | 1.68              | 0.02          | Not required     |
|         | LTE Band 26(5) Ant 1 |          | 0.398             | 0.59                 | 10mm     | 19.5                   | 65.9  | -1.23 |                  |                   |               |                  |
|         | WLAN6GHz Ant 6+7     |          | 0.189             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6      |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | FR1 n66 Ant 0        | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 120.0            | 1.68              | 0.02          | Not required     |
|         | LTE Band 26(5) Ant 1 |          | 0.398             | 0.59                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN6GHz Ant 6+7     |          | 0.189             |                      | 10mm     | -28.2                  | 41    | -1.41 |                  |                   |               |                  |
|         | Bluetooth Ant 6      |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | FR1 n66 Ant 0        | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 151.7            | 1.68              | 0.01          | Not required     |
|         | LTE Band 26(5) Ant 1 |          | 0.398             | 0.59                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN6GHz Ant 6+7     |          | 0.189             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6      |          | 0.006             |                      | 10mm     | -30.6                  | 72.8  | -1.23 |                  |                   |               |                  |
| Case No | Band                 | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 63 | FR1 n66 Ant 0        | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 144.5            | 1.87              | 0.02          | Not required     |
|         | LTE Band 26(5) Ant 1 |          | 0.398             | 0.78                 | 10mm     | 19.5                   | 65.9  | -1.23 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7   |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7     |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | FR1 n66 Ant 0        | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 108.6            | 1.87              | 0.02          | Not required     |
|         | LTE Band 26(5) Ant 1 |          | 0.398             | 0.78                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7   |          | 0.18              |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7     |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | FR1 n66 Ant 0        | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 126.4            | 1.87              | 0.02          | Not required     |
|         | LTE Band 26(5) Ant 1 |          | 0.398             | 0.78                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7   |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7     |          | 0.199             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
| Case No | Band                 | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 64 | FR1 n66 Ant 0        | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 144.5            | 1.86              | 0.02          | Not required     |
|         | LTE Band 26(5) Ant 1 |          | 0.398             | 0.77                 | 10mm     | 19.5                   | 65.9  | -1.23 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7   |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN6GHz Ant 6+7     |          | 0.19              |                      | 10mm     |                        |       |       |                  |                   |               |                  |



# FCC SAR Test Report

Report No. : FA461912

|         |                      |          |                   |                      |          |                        |       |       |                  |                   |               |                  |
|---------|----------------------|----------|-------------------|----------------------|----------|------------------------|-------|-------|------------------|-------------------|---------------|------------------|
|         | FR1 n66 Ant 0        | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 108.6            | 1.86              | 0.02          | Not required     |
|         | LTE Band 26(5) Ant 1 |          | 0.398             | 0.77                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7   |          | 0.18              |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
|         | WLAN6GHz Ant 6+7     |          | 0.19              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | FR1 n66 Ant 0        | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 120.0            | 1.86              | 0.02          | Not required     |
|         | LTE Band 26(5) Ant 1 |          | 0.398             | 0.77                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7   |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN6GHz Ant 6+7     |          | 0.19              |                      | 10mm     | -28.2                  | 41    | -1.41 |                  |                   |               |                  |
| Case No | Band                 | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 65 | FR1 n66 Ant 0        | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 142.6            | 1.71              | 0.02          | Not required     |
|         | LTE Band 12 Ant 1    |          | 0.226             | 0.62                 | 10mm     | 18.9                   | 64    | -1.21 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7   |          | 0.392             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | FR1 n66 Ant 0        | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 108.6            | 1.71              | 0.02          | Not required     |
|         | LTE Band 12 Ant 1    |          | 0.226             | 0.62                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7   |          | 0.392             |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
| Case No | Band                 | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 66 | FR1 n66 Ant 0        | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 142.6            | 1.72              | 0.02          | Not required     |
|         | LTE Band 12 Ant 1    |          | 0.226             | 0.63                 | 10mm     | 18.9                   | 64    | -1.21 |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7     |          | 0.397             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6      |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | FR1 n66 Ant 0        | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 126.4            | 1.72              | 0.02          | Not required     |
|         | LTE Band 12 Ant 1    |          | 0.226             | 0.63                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7     |          | 0.397             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
|         | Bluetooth Ant 6      |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | FR1 n66 Ant 0        | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 151.7            | 1.72              | 0.01          | Not required     |
|         | LTE Band 12 Ant 1    |          | 0.226             | 0.63                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7     |          | 0.397             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6      |          | 0.006             |                      | 10mm     | -30.6                  | 72.8  | -1.23 |                  |                   |               |                  |
| Case No | Band                 | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 67 | FR1 n66 Ant 0        | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 142.6            | 1.70              | 0.02          | Not required     |
|         | LTE Band 12 Ant 1    |          | 0.226             | 0.61                 | 10mm     | 18.9                   | 64    | -1.21 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7   |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7     |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | FR1 n66 Ant 0        | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 108.6            | 1.70              | 0.02          | Not required     |
|         | LTE Band 12 Ant 1    |          | 0.226             | 0.61                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7   |          | 0.18              |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7     |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | FR1 n66 Ant 0        | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 126.4            | 1.70              | 0.02          | Not required     |
|         | LTE Band 12 Ant 1    |          | 0.226             | 0.61                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7   |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7     |          | 0.199             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
| Case No | Band                 | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 68 | FR1 n66 Ant 0        | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 142.6            | 1.69              | 0.02          | Not required     |
|         | LTE Band 12 Ant 1    |          | 0.226             | 0.60                 | 10mm     | 18.9                   | 64    | -1.21 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7   |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN6GHz Ant 6+7     |          | 0.19              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | FR1 n66 Ant 0        | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 108.6            | 1.69              | 0.02          | Not required     |
|         | LTE Band 12 Ant 1    |          | 0.226             | 0.60                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7   |          | 0.18              |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
|         | WLAN6GHz Ant 6+7     |          | 0.19              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | FR1 n66 Ant 0        | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 120.0            | 1.69              | 0.02          | Not required     |
|         | LTE Band 12 Ant 1    |          | 0.226             | 0.60                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7   |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN6GHz Ant 6+7     |          | 0.19              |                      | 10mm     | -28.2                  | 41    | -1.41 |                  |                   |               |                  |
| Case No | Band                 | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 69 | FR1 n66 Ant 0        | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 142.0            | 1.76              | 0.02          | Not required     |



# FCC SAR Test Report

Report No. : FA461912

|         |                    |          |                   |                      |          |                        |       |       |                  |                   |               |                  |
|---------|--------------------|----------|-------------------|----------------------|----------|------------------------|-------|-------|------------------|-------------------|---------------|------------------|
|         | LTE Band 13 Ant 1  | Back     | 0.277             | 0.67                 | 10mm     | 18.4                   | 63.5  | -1.25 | 108.6            | 1.76              | 0.02          | Not required     |
|         | WLAN2.4GHz Ant 6+7 |          | 0.392             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | FR1 n66 Ant 0      |          | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  |                  |                   |               |                  |
|         | LTE Band 13 Ant 1  |          | 0.277             | 0.67                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.392             |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 70 | FR1 n66 Ant 0      | Back     | 1.091             | 0.68                 | 10mm     | -4.5                   | -76.6 | 1.32  | 142.0            | 1.77              | 0.02          | Not required     |
|         | LTE Band 13 Ant 1  |          | 0.277             |                      | 10mm     | 18.4                   | 63.5  | -1.25 |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.397             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | FR1 n66 Ant 0      | Back     | 1.091             | 0.68                 | 10mm     | -4.5                   | -76.6 | 1.32  | 126.4            | 1.77              | 0.02          | Not required     |
|         | LTE Band 13 Ant 1  |          | 0.277             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.397             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | FR1 n66 Ant 0      | Back     | 1.091             | 0.68                 | 10mm     | -4.5                   | -76.6 | 1.32  | 151.7            | 1.77              | 0.02          | Not required     |
|         | LTE Band 13 Ant 1  |          | 0.277             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.397             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     | -30.6                  | 72.8  | -1.23 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 71 | FR1 n66 Ant 0      | Back     | 1.091             | 0.66                 | 10mm     | -4.5                   | -76.6 | 1.32  | 142.0            | 1.75              | 0.02          | Not required     |
|         | LTE Band 13 Ant 1  |          | 0.277             |                      | 10mm     | 18.4                   | 63.5  | -1.25 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | FR1 n66 Ant 0      | Back     | 1.091             | 0.66                 | 10mm     | -4.5                   | -76.6 | 1.32  | 108.6            | 1.75              | 0.02          | Not required     |
|         | LTE Band 13 Ant 1  |          | 0.277             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.18              |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | FR1 n66 Ant 0      | Back     | 1.091             | 0.66                 | 10mm     | -4.5                   | -76.6 | 1.32  | 126.4            | 1.75              | 0.02          | Not required     |
|         | LTE Band 13 Ant 1  |          | 0.277             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 72 | FR1 n66 Ant 0      | Back     | 1.091             | 0.65                 | 10mm     | -4.5                   | -76.6 | 1.32  | 142.0            | 1.74              | 0.02          | Not required     |
|         | LTE Band 13 Ant 1  |          | 0.277             |                      | 10mm     | 18.4                   | 63.5  | -1.25 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN6GHz Ant 6+7   |          | 0.19              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | FR1 n66 Ant 0      | Back     | 1.091             | 0.65                 | 10mm     | -4.5                   | -76.6 | 1.32  | 108.6            | 1.74              | 0.02          | Not required     |
|         | LTE Band 13 Ant 1  |          | 0.277             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.18              |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
|         | WLAN6GHz Ant 6+7   |          | 0.19              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | FR1 n66 Ant 0      | Back     | 1.091             | 0.65                 | 10mm     | -4.5                   | -76.6 | 1.32  | 120.0            | 1.74              | 0.02          | Not required     |
|         | LTE Band 13 Ant 1  |          | 0.277             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN6GHz Ant 6+7   |          | 0.19              |                      | 10mm     | -28.2                  | 41    | -1.41 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 73 | FR1 n30 Ant 0      | Back     | 1.273             | 0.63                 | 10mm     | -16.5                  | -81   | -1.33 | 153.8            | 1.90              | 0.02          | Not required     |
|         | LTE Band 14 Ant 1  |          | 0.236             |                      | 10mm     | 20.2                   | 68.4  | -1.25 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.392             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | FR1 n30 Ant 0      | Back     | 1.273             | 0.63                 | 10mm     | -16.5                  | -81   | -1.33 | 110.8            | 1.90              | 0.02          | Not required     |
|         | LTE Band 14 Ant 1  |          | 0.236             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.392             |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 74 | FR1 n30 Ant 0      | Back     | 1.273             | 0.64                 | 10mm     | -16.5                  | -81   | -1.33 | 153.8            | 1.91              | 0.02          | Not required     |
|         | LTE Band 14 Ant 1  |          | 0.236             |                      | 10mm     | 20.2                   | 68.4  | -1.25 |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.397             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |



# FCC SAR Test Report

Report No. : FA461912

|         | FR1 n30 Ant 0      | Back     | 1.273             | 1.273                | 10mm     | -16.5                  | -81   | -1.33 | 128.4            | 1.91              | 0.02          | Not required     |
|---------|--------------------|----------|-------------------|----------------------|----------|------------------------|-------|-------|------------------|-------------------|---------------|------------------|
|         | LTE Band 14 Ant 1  |          | 0.236             | 0.64                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.397             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | FR1 n30 Ant 0      | Back     | 1.273             | 1.273                | 10mm     | -16.5                  | -81   | -1.33 | 154.4            | 1.91              | 0.02          | Not required     |
|         | LTE Band 14 Ant 1  |          | 0.236             | 0.64                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.397             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     | -30.6                  | 72.8  | -1.23 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 75 | FR1 n30 Ant 0      | Back     | 1.273             | 1.273                | 10mm     | -16.5                  | -81   | -1.33 | 153.8            | 1.70              | 0.01          | Not required     |
|         | LTE Band 14 Ant 1  |          | 0.236             | 0.43                 | 10mm     | 20.2                   | 68.4  | -1.25 |                  |                   |               |                  |
|         | WLAN6GHz Ant 6+7   |          | 0.189             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | FR1 n30 Ant 0      | Back     | 1.273             | 1.273                | 10mm     | -16.5                  | -81   | -1.33 | 122.6            | 1.70              | 0.02          | Not required     |
|         | LTE Band 14 Ant 1  |          | 0.236             | 0.43                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN6GHz Ant 6+7   |          | 0.189             |                      | 10mm     | -28.2                  | 41    | -1.41 |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | FR1 n30 Ant 0      | Back     | 1.273             | 1.273                | 10mm     | -16.5                  | -81   | -1.33 | 154.4            | 1.70              | 0.01          | Not required     |
|         | LTE Band 14 Ant 1  |          | 0.236             | 0.43                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN6GHz Ant 6+7   |          | 0.189             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     | -30.6                  | 72.8  | -1.23 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 76 | FR1 n30 Ant 0      | Back     | 1.273             | 1.273                | 10mm     | -16.5                  | -81   | -1.33 | 153.8            | 1.89              | 0.02          | Not required     |
|         | LTE Band 14 Ant 1  |          | 0.236             | 0.62                 | 10mm     | 20.2                   | 68.4  | -1.25 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | FR1 n30 Ant 0      | Back     | 1.273             | 1.273                | 10mm     | -16.5                  | -81   | -1.33 | 110.8            | 1.89              | 0.02          | Not required     |
|         | LTE Band 14 Ant 1  |          | 0.236             | 0.62                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.18              |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | FR1 n30 Ant 0      | Back     | 1.273             | 1.273                | 10mm     | -16.5                  | -81   | -1.33 | 128.4            | 1.89              | 0.02          | Not required     |
|         | LTE Band 14 Ant 1  |          | 0.236             | 0.62                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 77 | FR1 n30 Ant 0      | Back     | 1.273             | 1.273                | 10mm     | -16.5                  | -81   | -1.33 | 153.8            | 1.88              | 0.02          | Not required     |
|         | LTE Band 14 Ant 1  |          | 0.236             | 0.61                 | 10mm     | 20.2                   | 68.4  | -1.25 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN6GHz Ant 6+7   |          | 0.19              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | FR1 n30 Ant 0      | Back     | 1.273             | 1.273                | 10mm     | -16.5                  | -81   | -1.33 | 110.8            | 1.88              | 0.02          | Not required     |
|         | LTE Band 14 Ant 1  |          | 0.236             | 0.61                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.18              |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
|         | WLAN6GHz Ant 6+7   |          | 0.19              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | FR1 n30 Ant 0      | Back     | 1.273             | 1.273                | 10mm     | -16.5                  | -81   | -1.33 | 122.6            | 1.88              | 0.02          | Not required     |
|         | LTE Band 14 Ant 1  |          | 0.236             | 0.61                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN6GHz Ant 6+7   |          | 0.19              |                      | 10mm     | -28.2                  | 41    | -1.41 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 78 | FR1 n66 Ant 0      | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 147.1            | 1.72              | 0.02          | Not required     |
|         | LTE Band 14 Ant 1  |          | 0.236             | 0.63                 | 10mm     | 20.2                   | 68.4  | -1.25 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.392             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | FR1 n66 Ant 0      | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 108.6            | 1.72              | 0.02          | Not required     |
|         | LTE Band 14 Ant 1  |          | 0.236             | 0.63                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.392             |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 79 | FR1 n66 Ant 0      | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 147.1            | 1.73              | 0.02          | Not required     |



# FCC SAR Test Report

Report No. : FA461912

|         |                    |          |                   |                      |          |                        |       |       |                  |                   |               |                  |
|---------|--------------------|----------|-------------------|----------------------|----------|------------------------|-------|-------|------------------|-------------------|---------------|------------------|
|         | LTE Band 14 Ant 1  |          | 0.236             | 0.64                 | 10mm     | 20.2                   | 68.4  | -1.25 | 126.4            | 1.73              | 0.02          | Not required     |
|         | WLAN5GHz Ant 6+7   |          | 0.397             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | FR1 n66 Ant 0      | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 126.4            | 1.73              | 0.02          | Not required     |
|         | LTE Band 14 Ant 1  |          | 0.236             | 0.64                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.397             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
|         | Bluetooth Ant 6    | Back     | 0.006             |                      | 10mm     |                        |       |       | 151.7            | 1.73              | 0.02          | Not required     |
|         | FR1 n66 Ant 0      |          | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  |                  |                   |               |                  |
|         | LTE Band 14 Ant 1  |          | 0.236             | 0.64                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.397             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     | -30.6                  | 72.8  | -1.23 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 80 | FR1 n66 Ant 0      | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 147.1            | 1.71              | 0.02          | Not required     |
|         | LTE Band 14 Ant 1  |          | 0.236             | 0.62                 | 10mm     | 20.2                   | 68.4  | -1.25 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | FR1 n66 Ant 0      | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 108.6            | 1.71              | 0.02          | Not required     |
|         | LTE Band 14 Ant 1  |          | 0.236             | 0.62                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.18              |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | FR1 n66 Ant 0      | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 126.4            | 1.71              | 0.02          | Not required     |
|         | LTE Band 14 Ant 1  |          | 0.236             | 0.62                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 81 | FR1 n66 Ant 0      | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 147.1            | 1.70              | 0.02          | Not required     |
|         | LTE Band 14 Ant 1  |          | 0.236             | 0.61                 | 10mm     | 20.2                   | 68.4  | -1.25 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN6GHz Ant 6+7   |          | 0.19              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | FR1 n66 Ant 0      | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 108.6            | 1.70              | 0.02          | Not required     |
|         | LTE Band 14 Ant 1  |          | 0.236             | 0.61                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.18              |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
|         | WLAN6GHz Ant 6+7   |          | 0.19              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | FR1 n66 Ant 0      | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 120.0            | 1.70              | 0.02          | Not required     |
|         | LTE Band 14 Ant 1  |          | 0.236             | 0.61                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN6GHz Ant 6+7   |          | 0.19              |                      | 10mm     | -28.2                  | 41    | -1.41 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 82 | FR1 n41 HPUE Ant 0 | Back     | 0.853             | 0.853                | 10mm     | 0.47                   | -73.7 | -1.22 | 140.9            | 1.64              | 0.01          | Not required     |
|         | LTE Band 26 Ant 1  |          | 0.398             | 0.79                 | 10mm     | 19.5                   | 65.9  | -1.23 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.392             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | FR1 n41 HPUE Ant 0 | Back     | 0.853             | 0.853                | 10mm     | 0.47                   | -73.7 | -1.22 | 107.1            | 1.64              | 0.02          | Not required     |
|         | LTE Band 26 Ant 1  |          | 0.398             | 0.79                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7 |          | 0.392             |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 83 | FR1 n41 HPUE Ant 0 | Back     | 0.853             | 0.853                | 10mm     | 0.47                   | -73.7 | -1.22 | 140.9            | 1.65              | 0.02          | Not required     |
|         | LTE Band 26 Ant 1  |          | 0.398             | 0.80                 | 10mm     | 19.5                   | 65.9  | -1.23 |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.397             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | FR1 n41 HPUE Ant 0 | Back     | 0.853             | 0.853                | 10mm     | 0.47                   | -73.7 | -1.22 | 124.9            | 1.65              | 0.02          | Not required     |
|         | LTE Band 26 Ant 1  |          | 0.398             | 0.80                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.397             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | FR1 n41 HPUE Ant 0 | Back     | 0.853             | 0.853                | 10mm     | 0.47                   | -73.7 | -1.22 | 149.8            | 1.65              | 0.01          | Not required     |
|         | LTE Band 26 Ant 1  |          | 0.398             | 0.80                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7   |          | 0.397             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     | -30.6                  | 72.8  | -1.23 |                  |                   |               |                  |
| Case No | Band               | Position | SAR 1g SAR        | Summed               | Gap      | SAR peak location (mm) |       |       | 3D               | Summed            | SPLSR         | Simultaneous     |



# FCC SAR Test Report

Report No. : FA461912

|         |                    |          | (W/kg)               | 1g SAR<br>(W/kg)           | (mm)        | X                      | Y     | Z     | distance<br>(mm)       | SAR<br>(W/kg)           |                  |                     |
|---------|--------------------|----------|----------------------|----------------------------|-------------|------------------------|-------|-------|------------------------|-------------------------|------------------|---------------------|
| Case 84 | FR1 n41 HPUE Ant 0 | Back     | 0.853                | 0.853                      | 10mm        | 0.47                   | -73.7 | -1.22 | 140.9                  | 1.63                    | 0.01             | Not required        |
|         | LTE Band 26 Ant 1  |          | 0.398                | 0.78                       | 10mm        | 19.5                   | 65.9  | -1.23 |                        |                         |                  |                     |
|         | WLAN2.4GHz Ant 6+7 |          | 0.18                 |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|         | WLAN5GHz Ant 6+7   |          | 0.199                |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|         | FR1 n41 HPUE Ant 0 | Back     | 0.853                | 0.853                      | 10mm        | 0.47                   | -73.7 | -1.22 | 107.1                  | 1.63                    | 0.02             | Not required        |
|         | LTE Band 26 Ant 1  |          | 0.398                | 0.78                       | 10mm        |                        |       |       |                        |                         |                  |                     |
|         | WLAN2.4GHz Ant 6+7 |          | 0.18                 |                            | 10mm        | -29.8                  | 29    | -1.45 |                        |                         |                  |                     |
|         | WLAN5GHz Ant 6+7   |          | 0.199                |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|         | FR1 n41 HPUE Ant 0 | Back     | 0.853                | 0.853                      | 10mm        | 0.47                   | -73.7 | -1.22 | 124.9                  | 1.63                    | 0.02             | Not required        |
|         | LTE Band 26 Ant 1  |          | 0.398                | 0.78                       | 10mm        |                        |       |       |                        |                         |                  |                     |
|         | WLAN2.4GHz Ant 6+7 |          | 0.18                 |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|         | WLAN5GHz Ant 6+7   |          | 0.199                |                            | 10mm        | -35.2                  | 46    | -1.29 |                        |                         |                  |                     |
| Case No | Band               | Position | SAR 1g SAR<br>(W/kg) | Summed<br>1g SAR<br>(W/kg) | Gap<br>(mm) | SAR peak location (mm) |       |       | 3D<br>distance<br>(mm) | Summed<br>SAR<br>(W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
|         |                    |          |                      |                            |             | X                      | Y     | Z     |                        |                         |                  |                     |
| Case 85 | FR1 n41 HPUE Ant 0 | Back     | 0.853                | 0.853                      | 10mm        | 0.47                   | -73.7 | -1.22 | 140.9                  | 1.62                    | 0.01             | Not required        |
|         | LTE Band 26 Ant 1  |          | 0.398                | 0.77                       | 10mm        | 19.5                   | 65.9  | -1.23 |                        |                         |                  |                     |
|         | WLAN2.4GHz Ant 6+7 |          | 0.18                 |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|         | WLAN6GHz Ant 6+7   |          | 0.19                 |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|         | FR1 n41 HPUE Ant 0 | Back     | 0.853                | 0.853                      | 10mm        | 0.47                   | -73.7 | -1.22 | 107.1                  | 1.62                    | 0.02             | Not required        |
|         | LTE Band 26 Ant 1  |          | 0.398                | 0.77                       | 10mm        |                        |       |       |                        |                         |                  |                     |
|         | WLAN2.4GHz Ant 6+7 |          | 0.18                 |                            | 10mm        | -29.8                  | 29    | -1.45 |                        |                         |                  |                     |
|         | WLAN6GHz Ant 6+7   |          | 0.19                 |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|         | FR1 n41 HPUE Ant 0 | Back     | 0.853                | 0.853                      | 10mm        | 0.47                   | -73.7 | -1.22 | 118.2                  | 1.62                    | 0.02             | Not required        |
|         | LTE Band 26 Ant 1  |          | 0.398                | 0.77                       | 10mm        |                        |       |       |                        |                         |                  |                     |
|         | WLAN2.4GHz Ant 6+7 |          | 0.18                 |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|         | WLAN6GHz Ant 6+7   |          | 0.19                 |                            | 10mm        | -28.2                  | 41    | -1.41 |                        |                         |                  |                     |
| Case No | Band               | Position | SAR 1g SAR<br>(W/kg) | Summed<br>1g SAR<br>(W/kg) | Gap<br>(mm) | SAR peak location (mm) |       |       | 3D<br>distance<br>(mm) | Summed<br>SAR<br>(W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
|         |                    |          |                      |                            |             | X                      | Y     | Z     |                        |                         |                  |                     |
| Case 86 | FR1 n66 Ant 0      | Back     | 1.091                | 1.091                      | 10mm        | -4.5                   | -76.6 | 1.32  | 142.4                  | 1.77                    | 0.02             | Not required        |
|         | LTE Band 71 Ant 1  |          | 0.282                | 0.67                       | 10mm        | 18.5                   | 63.9  | -1.24 |                        |                         |                  |                     |
|         | WLAN2.4GHz Ant 6+7 |          | 0.392                |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|         | FR1 n66 Ant 0      | Back     | 1.091                | 1.091                      | 10mm        | -4.5                   | -76.6 | 1.32  | 108.6                  | 1.77                    | 0.02             | Not required        |
|         | LTE Band 71 Ant 1  |          | 0.282                | 0.67                       | 10mm        |                        |       |       |                        |                         |                  |                     |
|         | WLAN2.4GHz Ant 6+7 |          | 0.392                |                            | 10mm        | -29.8                  | 29    | -1.45 |                        |                         |                  |                     |
| Case No | Band               | Position | SAR 1g SAR<br>(W/kg) | Summed<br>1g SAR<br>(W/kg) | Gap<br>(mm) | SAR peak location (mm) |       |       | 3D<br>distance<br>(mm) | Summed<br>SAR<br>(W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
|         |                    |          |                      |                            |             | X                      | Y     | Z     |                        |                         |                  |                     |
| Case 87 | FR1 n66 Ant 0      | Back     | 1.091                | 1.091                      | 10mm        | -4.5                   | -76.6 | 1.32  | 142.4                  | 1.78                    | 0.02             | Not required        |
|         | LTE Band 71 Ant 1  |          | 0.282                | 0.69                       | 10mm        | 18.5                   | 63.9  | -1.24 |                        |                         |                  |                     |
|         | WLAN5GHz Ant 6+7   |          | 0.397                |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|         | Bluetooth Ant 6    |          | 0.006                |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|         | FR1 n66 Ant 0      | Back     | 1.091                | 1.091                      | 10mm        | -4.5                   | -76.6 | 1.32  | 126.4                  | 1.78                    | 0.02             | Not required        |
|         | LTE Band 71 Ant 1  |          | 0.282                | 0.69                       | 10mm        |                        |       |       |                        |                         |                  |                     |
|         | WLAN5GHz Ant 6+7   |          | 0.397                |                            | 10mm        | -35.2                  | 46    | -1.29 |                        |                         |                  |                     |
|         | Bluetooth Ant 6    |          | 0.006                |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|         | FR1 n66 Ant 0      | Back     | 1.091                | 1.091                      | 10mm        | -4.5                   | -76.6 | 1.32  | 151.7                  | 1.78                    | 0.02             | Not required        |
|         | LTE Band 71 Ant 1  |          | 0.282                | 0.69                       | 10mm        |                        |       |       |                        |                         |                  |                     |
|         | WLAN5GHz Ant 6+7   |          | 0.397                |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|         | Bluetooth Ant 6    |          | 0.006                |                            | 10mm        | -30.6                  | 72.8  | -1.23 |                        |                         |                  |                     |
| Case No | Band               | Position | SAR 1g SAR<br>(W/kg) | Summed<br>1g SAR<br>(W/kg) | Gap<br>(mm) | SAR peak location (mm) |       |       | 3D<br>distance<br>(mm) | Summed<br>SAR<br>(W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
|         |                    |          |                      |                            |             | X                      | Y     | Z     |                        |                         |                  |                     |
| Case 88 | FR1 n66 Ant 0      | Back     | 1.091                | 1.091                      | 10mm        | -4.5                   | -76.6 | 1.32  | 142.4                  | 1.75                    | 0.02             | Not required        |
|         | LTE Band 71 Ant 1  |          | 0.282                | 0.66                       | 10mm        | 18.5                   | 63.9  | -1.24 |                        |                         |                  |                     |
|         | WLAN2.4GHz Ant 6+7 |          | 0.18                 |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|         | WLAN5GHz Ant 6+7   |          | 0.199                |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|         | FR1 n66 Ant 0      | Back     | 1.091                | 1.091                      | 10mm        | -4.5                   | -76.6 | 1.32  | 108.6                  | 1.75                    | 0.02             | Not required        |
|         | LTE Band 71 Ant 1  |          | 0.282                | 0.66                       | 10mm        |                        |       |       |                        |                         |                  |                     |
|         | WLAN2.4GHz Ant 6+7 |          | 0.18                 |                            | 10mm        | -29.8                  | 29    | -1.45 |                        |                         |                  |                     |
|         | WLAN5GHz Ant 6+7   |          | 0.199                |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|         | FR1 n66 Ant 0      | Back     | 1.091                | 1.091                      | 10mm        | -4.5                   | -76.6 | 1.32  | 126.4                  | 1.75                    | 0.02             | Not required        |
|         | LTE Band 71 Ant 1  |          | 0.282                | 0.66                       | 10mm        |                        |       |       |                        |                         |                  |                     |



# FCC SAR Test Report

Report No. : FA461912

|         | WLAN2.4GHz Ant 6+7   |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|---------|----------------------|----------|-------------------|----------------------|----------|------------------------|-------|-------|------------------|-------------------|---------------|------------------|
|         | WLAN5GHz Ant 6+7     |          | 0.199             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
| Case No | Band                 | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 89 | FR1 n66 Ant 0        | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 142.4            | 1.74              | 0.02          | Not required     |
|         | LTE Band 71 Ant 1    |          | 0.282             | 0.65                 | 10mm     | 18.5                   | 63.9  | -1.24 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7   |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN6GHz Ant 6+7     |          | 0.19              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | FR1 n66 Ant 0        | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 108.6            | 1.74              | 0.02          | Not required     |
|         | LTE Band 71 Ant 1    |          | 0.282             | 0.65                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7   |          | 0.18              |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
|         | WLAN6GHz Ant 6+7     |          | 0.19              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | FR1 n66 Ant 0        | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 120.0            | 1.74              | 0.02          | Not required     |
|         | LTE Band 71 Ant 1    |          | 0.282             | 0.65                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7   |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN6GHz Ant 6+7     |          | 0.19              |                      | 10mm     | -28.2                  | 41    | -1.41 |                  |                   |               |                  |
| Case No | Band                 | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 90 | LTE Band 25(2) Ant 0 | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 149.1            | 1.78              | 0.02          | Not required     |
|         | FR1 n66 Ant 5        |          | 0.495             | 0.89                 | 10mm     | -8.8                   | 75.2  | -1.38 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7   |          | 0.392             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 25(2) Ant 0 | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 106.9            | 1.78              | 0.02          | Not required     |
|         | FR1 n66 Ant 5        |          | 0.495             | 0.89                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7   |          | 0.392             |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
| Case No | Band                 | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 91 | LTE Band 25(2) Ant 0 | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 149.1            | 1.79              | 0.02          | Not required     |
|         | FR1 n66 Ant 5        |          | 0.495             | 0.90                 | 10mm     | -8.8                   | 75.2  | -1.38 |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7     |          | 0.397             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6      |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 25(2) Ant 0 | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 124.8            | 1.79              | 0.02          | Not required     |
|         | FR1 n66 Ant 5        |          | 0.495             | 0.90                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7     |          | 0.397             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
|         | Bluetooth Ant 6      |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 25(2) Ant 0 | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 149.6            | 1.79              | 0.02          | Not required     |
|         | FR1 n66 Ant 5        |          | 0.495             | 0.90                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7     |          | 0.397             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6      |          | 0.006             |                      | 10mm     | -30.6                  | 72.8  | -1.23 |                  |                   |               |                  |
| Case No | Band                 | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 92 | LTE Band 25(2) Ant 0 | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 149.1            | 1.77              | 0.02          | Not required     |
|         | FR1 n66 Ant 5        |          | 0.495             | 0.87                 | 10mm     | -8.8                   | 75.2  | -1.38 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7   |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7     |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 25(2) Ant 0 | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 106.9            | 1.77              | 0.02          | Not required     |
|         | FR1 n66 Ant 5        |          | 0.495             | 0.87                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7   |          | 0.18              |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7     |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 25(2) Ant 0 | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 124.8            | 1.77              | 0.02          | Not required     |
|         | FR1 n66 Ant 5        |          | 0.495             | 0.87                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7   |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7     |          | 0.199             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
| Case No | Band                 | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 93 | LTE Band 25(2) Ant 0 | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 149.1            | 1.76              | 0.02          | Not required     |
|         | FR1 n66 Ant 5        |          | 0.495             | 0.87                 | 10mm     | -8.8                   | 75.2  | -1.38 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7   |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN6GHz Ant 6+7     |          | 0.19              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 25(2) Ant 0 | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 106.9            | 1.76              | 0.02          | Not required     |
|         | FR1 n66 Ant 5        |          | 0.495             | 0.87                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7   |          | 0.18              |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |



# FCC SAR Test Report

Report No. : FA461912

|         |                      |          |                   |                      |          |                        |       |       |                  |                   |               |                  |
|---------|----------------------|----------|-------------------|----------------------|----------|------------------------|-------|-------|------------------|-------------------|---------------|------------------|
|         | WLAN6GHz Ant 6+7     | Back     | 0.19              |                      | 10mm     |                        |       |       | 118.1            | 1.76              | 0.02          | Not required     |
|         | LTE Band 25(2) Ant 0 |          | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 |                  |                   |               |                  |
|         | FR1 n66 Ant 5        |          | 0.495             | 0.87                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7   |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN6GHz Ant 6+7     |          | 0.19              |                      | 10mm     | -28.2                  | 41    | -1.41 |                  |                   |               |                  |
| Case No | Band                 | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 94 | LTE Band 7 Ant 0     | Back     | 0.787             | 0.787                | 10mm     | 0.37                   | -74.2 | -1.27 | 149.7            | 1.67              | 0.01          | Not required     |
|         | FR1 n66 Ant 5        |          | 0.495             | 0.89                 | 10mm     | -8.8                   | 75.2  | -1.38 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7   |          | 0.392             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 7 Ant 0     | Back     | 0.787             | 0.787                | 10mm     | 0.37                   | -74.2 | -1.27 | 107.5            | 1.67              | 0.02          | Not required     |
|         | FR1 n66 Ant 5        |          | 0.495             | 0.89                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7   |          | 0.392             |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
| Case No | Band                 | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 95 | LTE Band 7 Ant 0     | Back     | 0.787             | 0.787                | 10mm     | 0.37                   | -74.2 | -1.27 | 149.7            | 1.69              | 0.01          | Not required     |
|         | FR1 n66 Ant 5        |          | 0.495             | 0.90                 | 10mm     | -8.8                   | 75.2  | -1.38 |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7     |          | 0.397             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6      |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 7 Ant 0     | Back     | 0.787             | 0.787                | 10mm     | 0.37                   | -74.2 | -1.27 | 125.4            | 1.69              | 0.02          | Not required     |
|         | FR1 n66 Ant 5        |          | 0.495             | 0.90                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7     |          | 0.397             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
|         | Bluetooth Ant 6      |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 7 Ant 0     | Back     | 0.787             | 0.787                | 10mm     | 0.37                   | -74.2 | -1.27 | 150.2            | 1.69              | 0.01          | Not required     |
|         | FR1 n66 Ant 5        |          | 0.495             | 0.90                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7     |          | 0.397             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | Bluetooth Ant 6      |          | 0.006             |                      | 10mm     | -30.6                  | 72.8  | -1.23 |                  |                   |               |                  |
| Case No | Band                 | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 96 | LTE Band 7 Ant 0     | Back     | 0.787             | 0.787                | 10mm     | 0.37                   | -74.2 | -1.27 | 149.7            | 1.66              | 0.01          | Not required     |
|         | FR1 n66 Ant 5        |          | 0.495             | 0.87                 | 10mm     | -8.8                   | 75.2  | -1.38 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7   |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7     |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 7 Ant 0     | Back     | 0.787             | 0.787                | 10mm     | 0.37                   | -74.2 | -1.27 | 107.5            | 1.66              | 0.02          | Not required     |
|         | FR1 n66 Ant 5        |          | 0.495             | 0.87                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7   |          | 0.18              |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7     |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 7 Ant 0     | Back     | 0.787             | 0.787                | 10mm     | 0.37                   | -74.2 | -1.27 | 125.4            | 1.66              | 0.02          | Not required     |
|         | FR1 n66 Ant 5        |          | 0.495             | 0.87                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7   |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN5GHz Ant 6+7     |          | 0.199             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
| Case No | Band                 | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 97 | LTE Band 7 Ant 0     | Back     | 0.787             | 0.787                | 10mm     | 0.37                   | -74.2 | -1.27 | 149.7            | 1.65              | 0.01          | Not required     |
|         | FR1 n66 Ant 5        |          | 0.495             | 0.87                 | 10mm     | -8.8                   | 75.2  | -1.38 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7   |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN6GHz Ant 6+7     |          | 0.19              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 7 Ant 0     | Back     | 0.787             | 0.787                | 10mm     | 0.37                   | -74.2 | -1.27 | 107.5            | 1.65              | 0.02          | Not required     |
|         | FR1 n66 Ant 5        |          | 0.495             | 0.87                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7   |          | 0.18              |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
|         | WLAN6GHz Ant 6+7     |          | 0.19              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 7 Ant 0     | Back     | 0.787             | 0.787                | 10mm     | 0.37                   | -74.2 | -1.27 | 118.7            | 1.65              | 0.02          | Not required     |
|         | FR1 n66 Ant 5        |          | 0.495             | 0.87                 | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7   |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | WLAN6GHz Ant 6+7     |          | 0.19              |                      | 10mm     | -28.2                  | 41    | -1.41 |                  |                   |               |                  |
| Case No | Band                 | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 98 | LTE Band 7 Ant 0     | Back     | 0.787             | 0.787                | 10mm     | 0.37                   | -74.2 | -1.27 | 148.9            | 1.66              | 0.01          | Not required     |
|         | FR1 n25(2) Ant 5     |          | 0.484             | 0.88                 | 10mm     | -18.5                  | 73.5  | -1.42 |                  |                   |               |                  |
|         | WLAN2.4GHz Ant 6+7   |          | 0.392             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|         | LTE Band 7 Ant 0     | Back     | 0.787             | 0.787                | 10mm     | 0.37                   | -74.2 | -1.27 | 107.5            | 1.66              | 0.02          | Not required     |



# FCC SAR Test Report

Report No. : FA461912

|          | FR1 n25(2) Ant 5   |          | 0.484             | 0.88                 | 10mm     |                        |       |       |                  |                   |               |                  |
|----------|--------------------|----------|-------------------|----------------------|----------|------------------------|-------|-------|------------------|-------------------|---------------|------------------|
|          | WLAN2.4GHz Ant 6+7 |          | 0.392             |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
| Case No  | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 99  | LTE Band 7 Ant 0   | Back     | 0.787             | 0.787                | 10mm     | 0.37                   | -74.2 | -1.27 | 148.9            | 1.67              | 0.01          | Not required     |
|          | FR1 n25(2) Ant 5   |          | 0.484             | 0.89                 | 10mm     | -18.5                  | 73.5  | -1.42 |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7   |          | 0.397             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | LTE Band 7 Ant 0   | Back     | 0.787             | 0.787                | 10mm     | 0.37                   | -74.2 | -1.27 | 125.4            | 1.67              | 0.02          | Not required     |
|          | FR1 n25(2) Ant 5   |          | 0.484             | 0.89                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7   |          | 0.397             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
|          | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | LTE Band 7 Ant 0   | Back     | 0.787             | 0.787                | 10mm     | 0.37                   | -74.2 | -1.27 | 150.2            | 1.67              | 0.01          | Not required     |
|          | FR1 n25(2) Ant 5   |          | 0.484             | 0.89                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7   |          | 0.397             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     | -30.6                  | 72.8  | -1.23 |                  |                   |               |                  |
| Case No  | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 100 | LTE Band 7 Ant 0   | Back     | 0.787             | 0.787                | 10mm     | 0.37                   | -74.2 | -1.27 | 148.9            | 1.65              | 0.01          | Not required     |
|          | FR1 n25(2) Ant 5   |          | 0.484             | 0.86                 | 10mm     | -18.5                  | 73.5  | -1.42 |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7 |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | LTE Band 7 Ant 0   | Back     | 0.787             | 0.787                | 10mm     | 0.37                   | -74.2 | -1.27 | 107.5            | 1.65              | 0.02          | Not required     |
|          | FR1 n25(2) Ant 5   |          | 0.484             | 0.86                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7 |          | 0.18              |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | LTE Band 7 Ant 0   | Back     | 0.787             | 0.787                | 10mm     | 0.37                   | -74.2 | -1.27 | 125.4            | 1.65              | 0.02          | Not required     |
|          | FR1 n25(2) Ant 5   |          | 0.484             | 0.86                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7 |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
| Case No  | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 101 | LTE Band 7 Ant 0   | Back     | 0.787             | 0.787                | 10mm     | 0.37                   | -74.2 | -1.27 | 148.9            | 1.64              | 0.01          | Not required     |
|          | FR1 n25(2) Ant 5   |          | 0.484             | 0.85                 | 10mm     | -18.5                  | 73.5  | -1.42 |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7 |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN6GHz Ant 6+7   |          | 0.19              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | LTE Band 7 Ant 0   | Back     | 0.787             | 0.787                | 10mm     | 0.37                   | -74.2 | -1.27 | 107.5            | 1.64              | 0.02          | Not required     |
|          | FR1 n25(2) Ant 5   |          | 0.484             | 0.85                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7 |          | 0.18              |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
|          | WLAN6GHz Ant 6+7   |          | 0.19              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | LTE Band 7 Ant 0   | Back     | 0.787             | 0.787                | 10mm     | 0.37                   | -74.2 | -1.27 | 118.7            | 1.64              | 0.02          | Not required     |
|          | FR1 n25(2) Ant 5   |          | 0.484             | 0.85                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7 |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN6GHz Ant 6+7   |          | 0.19              |                      | 10mm     | -28.2                  | 41    | -1.41 |                  |                   |               |                  |

| Case No  | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |      |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
|----------|--------------------|----------|-------------------|----------------------|----------|------------------------|------|-------|------------------|-------------------|---------------|------------------|
| Case 102 | LTE Band 66 Ant 0  | Back     | 1.164             | 1.164                | 10mm     | -12.1                  | -73  | -1.28 | 146.6            | 2.04              | 0.02          | Not required     |
|          | FR1 n25(2) Ant 5   |          | 0.484             | 0.88                 | 10mm     | -18.5                  | 73.5 | -1.42 |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7 |          | 0.392             |                      | 10mm     |                        |      |       |                  |                   |               |                  |
|          | LTE Band 66 Ant 0  | Back     | 1.164             | 1.164                | 10mm     | -12.1                  | -73  | -1.28 | 103.5            | 2.04              | 0.03          | Not required     |
|          | FR1 n25(2) Ant 5   |          | 0.484             | 0.88                 | 10mm     |                        |      |       |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7 |          | 0.392             |                      | 10mm     | -29.8                  | 29   | -1.45 |                  |                   |               |                  |
| Case No  | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |      |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 103 | LTE Band 66 Ant 0  | Back     | 1.164             | 1.164                | 10mm     | -12.1                  | -73  | -1.28 | 146.6            | 2.05              | 0.02          | Not required     |
|          | FR1 n25(2) Ant 5   |          | 0.484             | 0.89                 | 10mm     | -18.5                  | 73.5 | -1.42 |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7   |          | 0.397             |                      | 10mm     |                        |      |       |                  |                   |               |                  |
|          | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |      |       |                  |                   |               |                  |
|          | LTE Band 66 Ant 0  | Back     | 1.164             | 1.164                | 10mm     | -12.1                  | -73  | -1.28 | 121.2            | 2.05              | 0.02          | Not required     |



# FCC SAR Test Report

Report No. : FA461912

|          | FR1 n25(2) Ant 5   |          | 0.484             | 0.89                 | 10mm     |                        |      |       | 147.0            | 2.05              | 0.02          | Not required     |
|----------|--------------------|----------|-------------------|----------------------|----------|------------------------|------|-------|------------------|-------------------|---------------|------------------|
|          | WLAN5GHz Ant 6+7   |          | 0.397             |                      | 10mm     | -35.2                  | 46   | -1.29 |                  |                   |               |                  |
|          | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |      |       |                  |                   |               |                  |
|          | LTE Band 66 Ant 0  | Back     | 1.164             | 0.89                 | 10mm     | -12.1                  | -73  | -1.28 |                  |                   |               |                  |
|          | FR1 n25(2) Ant 5   |          | 0.484             |                      | 10mm     |                        |      |       |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7   |          | 0.397             |                      | 10mm     |                        |      |       |                  |                   |               |                  |
|          | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     | -30.6                  | 72.8 | -1.23 |                  |                   |               |                  |
| Case No  | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |      |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
|          |                    |          |                   |                      |          | X                      | Y    | Z     |                  |                   |               |                  |
| Case 104 | LTE Band 66 Ant 0  | Back     | 1.164             | 0.68                 | 10mm     | -12.1                  | -73  | -1.28 | 146.6            | 1.84              | 0.02          | Not required     |
|          | FR1 n25(2) Ant 5   |          | 0.484             |                      | 10mm     | -18.5                  | 73.5 | -1.42 |                  |                   |               |                  |
|          | WLAN6GHz Ant 6+7   |          | 0.189             |                      | 10mm     |                        |      |       |                  |                   |               |                  |
|          | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |      |       |                  |                   |               |                  |
|          | LTE Band 66 Ant 0  | Back     | 1.164             | 0.68                 | 10mm     | -12.1                  | -73  | -1.28 | 115.1            | 1.84              | 0.02          | Not required     |
|          | FR1 n25(2) Ant 5   |          | 0.484             |                      | 10mm     |                        |      |       |                  |                   |               |                  |
|          | WLAN6GHz Ant 6+7   |          | 0.189             |                      | 10mm     | -28.2                  | 41   | -1.41 |                  |                   |               |                  |
|          | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |      |       |                  |                   |               |                  |
|          | LTE Band 66 Ant 0  | Back     | 1.164             | 0.68                 | 10mm     | -12.1                  | -73  | -1.28 | 147.0            | 1.84              | 0.02          | Not required     |
|          | FR1 n25(2) Ant 5   |          | 0.484             |                      | 10mm     |                        |      |       |                  |                   |               |                  |
|          | WLAN6GHz Ant 6+7   |          | 0.189             |                      | 10mm     |                        |      |       |                  |                   |               |                  |
|          | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     | -30.6                  | 72.8 | -1.23 |                  |                   |               |                  |
| Case No  | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |      |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
|          |                    |          |                   |                      |          | X                      | Y    | Z     |                  |                   |               |                  |
| Case 105 | LTE Band 66 Ant 0  | Back     | 1.164             | 0.86                 | 10mm     | -12.1                  | -73  | -1.28 | 146.6            | 2.03              | 0.02          | Not required     |
|          | FR1 n25(2) Ant 5   |          | 0.484             |                      | 10mm     | -18.5                  | 73.5 | -1.42 |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7 |          | 0.18              |                      | 10mm     |                        |      |       |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     |                        |      |       |                  |                   |               |                  |
|          | LTE Band 66 Ant 0  | Back     | 1.164             | 0.86                 | 10mm     | -12.1                  | -73  | -1.28 | 74.0             | 2.03              | 0.04          | Not required     |
|          | FR1 n25(2) Ant 5   |          | 0.484             |                      | 10mm     |                        |      |       |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7 |          | 0.18              |                      | 10mm     |                        |      |       |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     |                        |      |       |                  |                   |               |                  |
|          | LTE Band 66 Ant 0  | Back     | 1.164             | 0.86                 | 10mm     | -12.1                  | -73  | -1.28 | 121.2            | 2.03              | 0.02          | Not required     |
|          | FR1 n25(2) Ant 5   |          | 0.484             |                      | 10mm     |                        |      |       |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7 |          | 0.18              |                      | 10mm     |                        |      |       |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     | -35.2                  | 46   | -1.29 |                  |                   |               |                  |
| Case No  | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |      |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
|          |                    |          |                   |                      |          | X                      | Y    | Z     |                  |                   |               |                  |
| Case 106 | LTE Band 66 Ant 0  | Back     | 1.164             | 0.85                 | 10mm     | -12.1                  | -73  | -1.28 | 146.6            | 2.02              | 0.02          | Not required     |
|          | FR1 n25(2) Ant 5   |          | 0.484             |                      | 10mm     | -18.5                  | 73.5 | -1.42 |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7 |          | 0.18              |                      | 10mm     |                        |      |       |                  |                   |               |                  |
|          | WLAN6GHz Ant 6+7   |          | 0.189             |                      | 10mm     |                        |      |       |                  |                   |               |                  |
|          | LTE Band 66 Ant 0  | Back     | 1.164             | 0.85                 | 10mm     | -12.1                  | -73  | -1.28 | 103.5            | 2.02              | 0.03          | Not required     |
|          | FR1 n25(2) Ant 5   |          | 0.484             |                      | 10mm     |                        |      |       |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7 |          | 0.18              |                      | 10mm     | -29.8                  | 29   | -1.45 |                  |                   |               |                  |
|          | WLAN6GHz Ant 6+7   |          | 0.189             |                      | 10mm     |                        |      |       |                  |                   |               |                  |
|          | LTE Band 66 Ant 0  | Back     | 1.164             | 0.85                 | 10mm     | -12.1                  | -73  | -1.28 | 115.1            | 2.02              | 0.02          | Not required     |
|          | FR1 n25(2) Ant 5   |          | 0.484             |                      | 10mm     |                        |      |       |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7 |          | 0.18              |                      | 10mm     |                        |      |       |                  |                   |               |                  |
|          | WLAN6GHz Ant 6+7   |          | 0.189             |                      | 10mm     | -28.2                  | 41   | -1.41 |                  |                   |               |                  |



| Case No  | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |      |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
|----------|--------------------|----------|-------------------|----------------------|----------|------------------------|------|-------|------------------|-------------------|---------------|------------------|
|          |                    |          |                   |                      |          | X                      | Y    | Z     |                  |                   |               |                  |
| Case 107 | LTE Band 30 Ant 0  | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73  | -1.28 | 148.2            | 2.03              | 0.02          | Not required     |
|          | FR1 n66 Ant 5      |          | 0.495             | 0.89                 | 10mm     | -8.8                   | 75.2 | -1.38 |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7 |          | 0.392             |                      | 10mm     |                        |      |       |                  |                   |               |                  |
|          | LTE Band 30 Ant 0  | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73  | -1.28 | 103.5            | 2.03              | 0.03          | Not required     |
|          | FR1 n66 Ant 5      |          | 0.495             | 0.89                 | 10mm     |                        |      |       |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7 |          | 0.392             |                      | 10mm     | -29.8                  | 29   | -1.45 |                  |                   |               |                  |
| Case No  | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |      |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
|          |                    |          |                   |                      |          | X                      | Y    | Z     |                  |                   |               |                  |
| Case 108 | LTE Band 30 Ant 0  | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73  | -1.28 | 148.2            | 2.04              | 0.02          | Not required     |
|          | FR1 n66 Ant 5      |          | 0.495             | 0.90                 | 10mm     | -8.8                   | 75.2 | -1.38 |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7   |          | 0.397             |                      | 10mm     |                        |      |       |                  |                   |               |                  |
|          | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |      |       |                  |                   |               |                  |
|          | LTE Band 30 Ant 0  | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73  | -1.28 | 121.2            | 2.04              | 0.02          | Not required     |
|          | FR1 n66 Ant 5      |          | 0.495             | 0.90                 | 10mm     |                        |      |       |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7   |          | 0.397             |                      | 10mm     | -35.2                  | 46   | -1.29 |                  |                   |               |                  |
|          | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |      |       |                  |                   |               |                  |
|          | LTE Band 30 Ant 0  | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73  | -1.28 | 147.0            | 2.04              | 0.02          | Not required     |
|          | FR1 n66 Ant 5      |          | 0.495             | 0.90                 | 10mm     |                        |      |       |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7   |          | 0.397             |                      | 10mm     |                        |      |       |                  |                   |               |                  |
|          | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     | -30.6                  | 72.8 | -1.23 |                  |                   |               |                  |
| Case No  | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |      |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
|          |                    |          |                   |                      |          | X                      | Y    | Z     |                  |                   |               |                  |
| Case 109 | LTE Band 30 Ant 0  | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73  | -1.28 | 148.2            | 1.83              | 0.02          | Not required     |
|          | FR1 n66 Ant 5      |          | 0.495             | 0.69                 | 10mm     | -8.8                   | 75.2 | -1.38 |                  |                   |               |                  |
|          | WLAN6GHz Ant 6+7   |          | 0.189             |                      | 10mm     |                        |      |       |                  |                   |               |                  |
|          | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |      |       |                  |                   |               |                  |
|          | LTE Band 30 Ant 0  | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73  | -1.28 | 115.1            | 1.83              | 0.02          | Not required     |
|          | FR1 n66 Ant 5      |          | 0.495             | 0.69                 | 10mm     |                        |      |       |                  |                   |               |                  |
|          | WLAN6GHz Ant 6+7   |          | 0.189             |                      | 10mm     | -28.2                  | 41   | -1.41 |                  |                   |               |                  |
|          | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |      |       |                  |                   |               |                  |
|          | LTE Band 30 Ant 0  | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73  | -1.28 | 147.0            | 1.83              | 0.02          | Not required     |
|          | FR1 n66 Ant 5      |          | 0.495             | 0.69                 | 10mm     |                        |      |       |                  |                   |               |                  |
|          | WLAN6GHz Ant 6+7   |          | 0.189             |                      | 10mm     |                        |      |       |                  |                   |               |                  |
|          | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     | -30.6                  | 72.8 | -1.23 |                  |                   |               |                  |
| Case No  | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |      |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
|          |                    |          |                   |                      |          | X                      | Y    | Z     |                  |                   |               |                  |
| Case 110 | LTE Band 30 Ant 0  | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73  | -1.28 | 148.2            | 2.01              | 0.02          | Not required     |
|          | FR1 n66 Ant 5      |          | 0.495             | 0.87                 | 10mm     | -8.8                   | 75.2 | -1.38 |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7 |          | 0.18              |                      | 10mm     |                        |      |       |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     |                        |      |       |                  |                   |               |                  |
|          | LTE Band 30 Ant 0  | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73  | -1.28 | 103.5            | 2.01              | 0.03          | Not required     |
|          | FR1 n66 Ant 5      |          | 0.495             | 0.87                 | 10mm     |                        |      |       |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7 |          | 0.18              |                      | 10mm     | -29.8                  | 29   | -1.45 |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     |                        |      |       |                  |                   |               |                  |
|          | LTE Band 30 Ant 0  | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73  | -1.28 | 121.2            | 2.01              | 0.02          | Not required     |
|          | FR1 n66 Ant 5      |          | 0.495             | 0.87                 | 10mm     |                        |      |       |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7 |          | 0.18              |                      | 10mm     |                        |      |       |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     | -35.2                  | 46   | -1.29 |                  |                   |               |                  |
| Case No  | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |      |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
|          |                    |          |                   |                      |          | X                      | Y    | Z     |                  |                   |               |                  |
| Case 111 | LTE Band 30 Ant 0  | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73  | -1.28 | 148.2            | 2.00              | 0.02          | Not required     |
|          | FR1 n66 Ant 5      |          | 0.495             | 0.87                 | 10mm     | -8.8                   | 75.2 | -1.38 |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7 |          | 0.18              |                      | 10mm     |                        |      |       |                  |                   |               |                  |
|          | WLAN6GHz Ant 6+7   |          | 0.19              |                      | 10mm     |                        |      |       |                  |                   |               |                  |
|          | LTE Band 30 Ant 0  | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73  | -1.28 | 103.5            | 2.00              | 0.03          | Not required     |
|          | FR1 n66 Ant 5      |          | 0.495             | 0.87                 | 10mm     |                        |      |       |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7 |          | 0.18              |                      | 10mm     | -29.8                  | 29   | -1.45 |                  |                   |               |                  |
|          | WLAN6GHz Ant 6+7   |          | 0.19              |                      | 10mm     |                        |      |       |                  |                   |               |                  |



# FCC SAR Test Report

Report No. : FA461912

|          |                    |          |                   |                      |          |                        |      |       |                  |                   |               |                  |
|----------|--------------------|----------|-------------------|----------------------|----------|------------------------|------|-------|------------------|-------------------|---------------|------------------|
|          | LTE Band 30 Ant 0  | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73  | -1.28 | 115.1            | 2.00              | 0.02          | Not required     |
|          | FR1 n66 Ant 5      |          | 0.495             | 0.87                 | 10mm     |                        |      |       |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7 |          | 0.18              |                      | 10mm     |                        |      |       |                  |                   |               |                  |
|          | WLAN6GHz Ant 6+7   |          | 0.19              |                      | 10mm     | -28.2                  | 41   | -1.41 |                  |                   |               |                  |
| Case No  | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |      |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 112 | LTE Band 30 Ant 0  | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73  | -1.28 | 146.6            | 2.01              | 0.02          | Not required     |
|          | FR1 n2 Ant 5       |          | 0.484             | 0.88                 | 10mm     | -18.5                  | 73.5 | -1.42 |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7 |          | 0.392             |                      | 10mm     |                        |      |       |                  |                   |               |                  |
|          | LTE Band 30 Ant 0  | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73  | -1.28 | 103.5            | 2.01              | 0.03          | Not required     |
|          | FR1 n2 Ant 5       |          | 0.484             | 0.88                 | 10mm     |                        |      |       |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7 |          | 0.392             |                      | 10mm     | -29.8                  | 29   | -1.45 |                  |                   |               |                  |
| Case No  | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |      |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 113 | LTE Band 30 Ant 0  | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73  | -1.28 | 146.6            | 2.03              | 0.02          | Not required     |
|          | FR1 n2 Ant 5       |          | 0.484             | 0.89                 | 10mm     | -18.5                  | 73.5 | -1.42 |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7   |          | 0.397             |                      | 10mm     |                        |      |       |                  |                   |               |                  |
|          | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |      |       |                  |                   |               |                  |
|          | LTE Band 30 Ant 0  | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73  | -1.28 | 121.2            | 2.03              | 0.02          | Not required     |
|          | FR1 n2 Ant 5       |          | 0.484             | 0.89                 | 10mm     |                        |      |       |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7   |          | 0.397             |                      | 10mm     | -35.2                  | 46   | -1.29 |                  |                   |               |                  |
|          | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |      |       |                  |                   |               |                  |
|          | LTE Band 30 Ant 0  | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73  | -1.28 | 147.0            | 2.03              | 0.02          | Not required     |
|          | FR1 n2 Ant 5       |          | 0.484             | 0.89                 | 10mm     |                        |      |       |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7   |          | 0.397             |                      | 10mm     |                        |      |       |                  |                   |               |                  |
|          | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     | -30.6                  | 72.8 | -1.23 |                  |                   |               |                  |
| Case No  | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |      |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 114 | LTE Band 30 Ant 0  | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73  | -1.28 | 146.6            | 1.82              | 0.02          | Not required     |
|          | FR1 n2 Ant 5       |          | 0.484             | 0.68                 | 10mm     | -18.5                  | 73.5 | -1.42 |                  |                   |               |                  |
|          | WLAN6GHz Ant 6+7   |          | 0.189             |                      | 10mm     |                        |      |       |                  |                   |               |                  |
|          | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |      |       |                  |                   |               |                  |
|          | LTE Band 30 Ant 0  | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73  | -1.28 | 115.1            | 1.82              | 0.02          | Not required     |
|          | FR1 n2 Ant 5       |          | 0.484             | 0.68                 | 10mm     |                        |      |       |                  |                   |               |                  |
|          | WLAN6GHz Ant 6+7   |          | 0.189             |                      | 10mm     | -28.2                  | 41   | -1.41 |                  |                   |               |                  |
|          | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |      |       |                  |                   |               |                  |
|          | LTE Band 30 Ant 0  | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73  | -1.28 | 147.0            | 1.82              | 0.02          | Not required     |
|          | FR1 n2 Ant 5       |          | 0.484             | 0.68                 | 10mm     |                        |      |       |                  |                   |               |                  |
|          | WLAN6GHz Ant 6+7   |          | 0.189             |                      | 10mm     |                        |      |       |                  |                   |               |                  |
|          | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     | -30.6                  | 72.8 | -1.23 |                  |                   |               |                  |
| Case No  | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |      |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 115 | LTE Band 30 Ant 0  | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73  | -1.28 | 146.6            | 2.00              | 0.02          | Not required     |
|          | FR1 n2 Ant 5       |          | 0.484             | 0.86                 | 10mm     | -18.5                  | 73.5 | -1.42 |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7 |          | 0.18              |                      | 10mm     |                        |      |       |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     |                        |      |       |                  |                   |               |                  |
|          | LTE Band 30 Ant 0  | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73  | -1.28 | 103.5            | 2.00              | 0.03          | Not required     |
|          | FR1 n2 Ant 5       |          | 0.484             | 0.86                 | 10mm     |                        |      |       |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7 |          | 0.18              |                      | 10mm     | -29.8                  | 29   | -1.45 |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     |                        |      |       |                  |                   |               |                  |
|          | LTE Band 30 Ant 0  | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73  | -1.28 | 121.2            | 2.00              | 0.02          | Not required     |
|          | FR1 n2 Ant 5       |          | 0.484             | 0.86                 | 10mm     |                        |      |       |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7 |          | 0.18              |                      | 10mm     |                        |      |       |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     | -35.2                  | 46   | -1.29 |                  |                   |               |                  |
| Case No  | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |      |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 116 | LTE Band 30 Ant 0  | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73  | -1.28 | 146.6            | 1.99              | 0.02          | Not required     |
|          | FR1 n2 Ant 5       |          | 0.484             | 0.85                 | 10mm     | -18.5                  | 73.5 | -1.42 |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7 |          | 0.18              |                      | 10mm     |                        |      |       |                  |                   |               |                  |
|          | WLAN6GHz Ant 6+7   |          | 0.19              |                      | 10mm     |                        |      |       |                  |                   |               |                  |
|          | LTE Band 30 Ant 0  | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73  | -1.28 | 103.5            | 1.99              | 0.03          | Not required     |



# FCC SAR Test Report

Report No. : FA461912

|          |                    |          |                   |                      |          |                        |       |       |                  |                   |               |                  |
|----------|--------------------|----------|-------------------|----------------------|----------|------------------------|-------|-------|------------------|-------------------|---------------|------------------|
|          | FR1 n2 Ant 5       | Back     | 0.484             | 0.85                 | 10mm     |                        |       |       | 115.1            | 1.99              | 0.02          | Not required     |
|          | WLAN2.4GHz Ant 6+7 |          | 0.18              |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
|          | WLAN6GHz Ant 6+7   |          | 0.19              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | LTE Band 30 Ant 0  |          | 1.138             | 0.85                 | 10mm     | -12.1                  | -73   | -1.28 |                  |                   |               |                  |
|          | FR1 n2 Ant 5       |          | 0.484             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7 |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN6GHz Ant 6+7   |          | 0.19              |                      | 10mm     | -28.2                  | 41    | -1.41 |                  |                   |               |                  |
| Case No  | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 117 | FR1 n66 Ant 0      | Back     | 1.091             | 0.72                 | 10mm     | -4.5                   | -76.6 | 1.32  | 154.1            | 1.81              | 0.02          | Not required     |
|          | LTE Band 7 Ant 2   |          | 0.328             |                      | 10mm     | 22.5                   | 75.1  | -1.06 |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7 |          | 0.392             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | FR1 n66 Ant 0      | Back     | 1.091             | 0.72                 | 10mm     | -4.5                   | -76.6 | 1.32  | 108.6            | 1.81              | 0.02          | Not required     |
|          | LTE Band 7 Ant 2   |          | 0.328             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7 |          | 0.392             |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
| Case No  | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 118 | FR1 n66 Ant 0      | Back     | 1.091             | 0.73                 | 10mm     | -4.5                   | -76.6 | 1.32  | 154.1            | 1.82              | 0.02          | Not required     |
|          | LTE Band 7 Ant 2   |          | 0.328             |                      | 10mm     | 22.5                   | 75.1  | -1.06 |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7   |          | 0.397             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | FR1 n66 Ant 0      | Back     | 1.091             | 0.73                 | 10mm     | -4.5                   | -76.6 | 1.32  | 126.4            | 1.82              | 0.02          | Not required     |
|          | LTE Band 7 Ant 2   |          | 0.328             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7   |          | 0.397             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
|          | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | FR1 n66 Ant 0      | Back     | 1.091             | 0.73                 | 10mm     | -4.5                   | -76.6 | 1.32  | 151.7            | 1.82              | 0.02          | Not required     |
|          | LTE Band 7 Ant 2   |          | 0.328             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7   |          | 0.397             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     | -30.6                  | 72.8  | -1.23 |                  |                   |               |                  |
| Case No  | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 119 | FR1 n66 Ant 0      | Back     | 1.091             | 0.52                 | 10mm     | -4.5                   | -76.6 | 1.32  | 154.1            | 1.61              | 0.01          | Not required     |
|          | LTE Band 7 Ant 2   |          | 0.328             |                      | 10mm     | 22.5                   | 75.1  | -1.06 |                  |                   |               |                  |
|          | WLAN6GHz Ant 6+7   |          | 0.189             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | FR1 n66 Ant 0      | Back     | 1.091             | 0.52                 | 10mm     | -4.5                   | -76.6 | 1.32  | 120.0            | 1.61              | 0.02          | Not required     |
|          | LTE Band 7 Ant 2   |          | 0.328             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN6GHz Ant 6+7   |          | 0.189             |                      | 10mm     | -28.2                  | 41    | -1.41 |                  |                   |               |                  |
|          | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | FR1 n66 Ant 0      | Back     | 1.091             | 0.52                 | 10mm     | -4.5                   | -76.6 | 1.32  | 151.7            | 1.61              | 0.01          | Not required     |
|          | LTE Band 7 Ant 2   |          | 0.328             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN6GHz Ant 6+7   |          | 0.189             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     | -30.6                  | 72.8  | -1.23 |                  |                   |               |                  |
| Case No  | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 120 | FR1 n66 Ant 0      | Back     | 1.091             | 0.71                 | 10mm     | -4.5                   | -76.6 | 1.32  | 154.1            | 1.80              | 0.02          | Not required     |
|          | LTE Band 7 Ant 2   |          | 0.328             |                      | 10mm     | 22.5                   | 75.1  | -1.06 |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7 |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | FR1 n66 Ant 0      | Back     | 1.091             | 0.71                 | 10mm     | -4.5                   | -76.6 | 1.32  | 108.6            | 1.80              | 0.02          | Not required     |
|          | LTE Band 7 Ant 2   |          | 0.328             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7 |          | 0.18              |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | FR1 n66 Ant 0      | Back     | 1.091             | 0.71                 | 10mm     | -4.5                   | -76.6 | 1.32  | 126.4            | 1.80              | 0.02          | Not required     |
|          | LTE Band 7 Ant 2   |          | 0.328             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7 |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
| Case No  | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 121 | FR1 n66 Ant 0      | Back     | 1.091             | 0.70                 | 10mm     | -4.5                   | -76.6 | 1.32  | 154.1            | 1.79              | 0.02          | Not required     |
|          | LTE Band 7 Ant 2   |          | 0.328             |                      | 10mm     | 22.5                   | 75.1  | -1.06 |                  |                   |               |                  |



# FCC SAR Test Report

Report No. : FA461912

|          |                    |          |                   |                      |          |                        |       |       |                  |                   |               |                  |
|----------|--------------------|----------|-------------------|----------------------|----------|------------------------|-------|-------|------------------|-------------------|---------------|------------------|
|          | WLAN2.4GHz Ant 6+7 | Back     | 0.18              | 1.091                | 10mm     |                        |       |       | 108.6            | 1.79              | 0.02          | Not required     |
|          | WLAN6GHz Ant 6+7   |          | 0.19              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | FR1 n66 Ant 0      |          | 1.091             |                      | 10mm     | -4.5                   | -76.6 | 1.32  |                  |                   |               |                  |
|          | LTE Band 7 Ant 2   |          | 0.328             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7 | Back     | 0.18              | 0.70                 | 10mm     | -29.8                  | 29    | -1.45 | 120.0            | 1.79              | 0.02          | Not required     |
|          | WLAN6GHz Ant 6+7   |          | 0.19              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | FR1 n66 Ant 0      |          | 1.091             |                      | 10mm     | -4.5                   | -76.6 | 1.32  |                  |                   |               |                  |
|          | LTE Band 7 Ant 2   |          | 0.328             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7 | Back     | 0.18              | 0.70                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN6GHz Ant 6+7   |          | 0.19              |                      | 10mm     | -28.2                  | 41    | -1.41 |                  |                   |               |                  |
| Case No  | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 122 | FR1 n66 Ant 0      | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 153.6            | 1.67              | 0.01          | Not required     |
|          | LTE Band 30 Ant 2  |          | 0.182             |                      | 10mm     | 22.1                   | 74.7  | -1.06 |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7 |          | 0.392             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | FR1 n66 Ant 0      | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 108.6            | 1.67              | 0.02          | Not required     |
|          | LTE Band 30 Ant 2  |          | 0.182             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7 |          | 0.392             |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
| Case No  | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 123 | FR1 n66 Ant 0      | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 153.6            | 1.68              | 0.01          | Not required     |
|          | LTE Band 30 Ant 2  |          | 0.182             |                      | 10mm     | 22.1                   | 74.7  | -1.06 |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7   |          | 0.397             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | FR1 n66 Ant 0      | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 126.4            | 1.68              | 0.02          | Not required     |
|          | LTE Band 30 Ant 2  |          | 0.182             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7   |          | 0.397             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
|          | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | FR1 n66 Ant 0      | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 151.7            | 1.68              | 0.01          | Not required     |
|          | LTE Band 30 Ant 2  |          | 0.182             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7   |          | 0.397             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     | -30.6                  | 72.8  | -1.23 |                  |                   |               |                  |
| Case No  | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 124 | FR1 n66 Ant 0      | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 153.6            | 1.65              | 0.01          | Not required     |
|          | LTE Band 30 Ant 2  |          | 0.182             |                      | 10mm     | 22.1                   | 74.7  | -1.06 |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7 |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | FR1 n66 Ant 0      | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 108.6            | 1.65              | 0.02          | Not required     |
|          | LTE Band 30 Ant 2  |          | 0.182             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7 |          | 0.18              |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | FR1 n66 Ant 0      | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 126.4            | 1.65              | 0.02          | Not required     |
|          | LTE Band 30 Ant 2  |          | 0.182             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7 |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
| Case No  | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 125 | FR1 n66 Ant 0      | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 153.6            | 1.64              | 0.01          | Not required     |
|          | LTE Band 30 Ant 2  |          | 0.182             |                      | 10mm     | 22.1                   | 74.7  | -1.06 |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7 |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN6GHz Ant 6+7   |          | 0.19              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | FR1 n66 Ant 0      | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 108.6            | 1.64              | 0.02          | Not required     |
|          | LTE Band 30 Ant 2  |          | 0.182             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7 |          | 0.18              |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
|          | WLAN6GHz Ant 6+7   |          | 0.19              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | FR1 n66 Ant 0      | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 120.0            | 1.64              | 0.02          | Not required     |
|          | LTE Band 30 Ant 2  |          | 0.182             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7 |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN6GHz Ant 6+7   |          | 0.19              |                      | 10mm     | -28.2                  | 41    | -1.41 |                  |                   |               |                  |



# FCC SAR Test Report

Report No. : FA461912

| Case No  | Band                 | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
|----------|----------------------|----------|-------------------|----------------------|----------|------------------------|-------|-------|------------------|-------------------|---------------|------------------|
|          |                      |          |                   |                      |          | X                      | Y     | Z     |                  |                   |               |                  |
| Case 126 | LTE Band 25(2) Ant 0 | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 140.9            | 1.65              | 0.02          | Not required     |
|          | FR1 n26(5) Ant 1     |          | 0.36              | 0.75                 | 10mm     | 19.4                   | 66    | -1.28 |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7   |          | 0.392             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | LTE Band 25(2) Ant 0 | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 106.9            | 1.65              | 0.02          | Not required     |
|          | FR1 n26(5) Ant 1     |          | 0.36              | 0.75                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7   |          | 0.392             |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
| Case No  | Band                 | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
|          |                      |          |                   |                      |          | X                      | Y     | Z     |                  |                   |               |                  |
| Case 127 | LTE Band 25(2) Ant 0 | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 140.9            | 1.66              | 0.02          | Not required     |
|          | FR1 n26(5) Ant 1     |          | 0.36              | 0.76                 | 10mm     | 19.4                   | 66    | -1.28 |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7     |          | 0.397             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | Bluetooth Ant 6      |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | LTE Band 25(2) Ant 0 | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 124.8            | 1.66              | 0.02          | Not required     |
|          | FR1 n26(5) Ant 1     |          | 0.36              | 0.76                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7     |          | 0.397             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
|          | Bluetooth Ant 6      |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | LTE Band 25(2) Ant 0 | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 149.6            | 1.66              | 0.01          | Not required     |
|          | FR1 n26(5) Ant 1     |          | 0.36              | 0.76                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7     |          | 0.397             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | Bluetooth Ant 6      |          | 0.006             |                      | 10mm     | -30.6                  | 72.8  | -1.23 |                  |                   |               |                  |
| Case No  | Band                 | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
|          |                      |          |                   |                      |          | X                      | Y     | Z     |                  |                   |               |                  |
| Case 128 | LTE Band 25(2) Ant 0 | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 140.9            | 1.63              | 0.01          | Not required     |
|          | FR1 n26(5) Ant 1     |          | 0.36              | 0.74                 | 10mm     | 19.4                   | 66    | -1.28 |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7   |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7     |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | LTE Band 25(2) Ant 0 | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 106.9            | 1.63              | 0.02          | Not required     |
|          | FR1 n26(5) Ant 1     |          | 0.36              | 0.74                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7   |          | 0.18              |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7     |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | LTE Band 25(2) Ant 0 | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 124.8            | 1.63              | 0.02          | Not required     |
|          | FR1 n26(5) Ant 1     |          | 0.36              | 0.74                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7   |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7     |          | 0.199             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
| Case No  | Band                 | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
|          |                      |          |                   |                      |          | X                      | Y     | Z     |                  |                   |               |                  |
| Case 129 | LTE Band 25(2) Ant 0 | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 140.9            | 1.62              | 0.01          | Not required     |
|          | FR1 n26(5) Ant 1     |          | 0.36              | 0.73                 | 10mm     | 19.4                   | 66    | -1.28 |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7   |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN6GHz Ant 6+7     |          | 0.189             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | LTE Band 25(2) Ant 0 | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 106.9            | 1.62              | 0.02          | Not required     |
|          | FR1 n26(5) Ant 1     |          | 0.36              | 0.73                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7   |          | 0.18              |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
|          | WLAN6GHz Ant 6+7     |          | 0.189             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | LTE Band 25(2) Ant 0 | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 118.1            | 1.62              | 0.02          | Not required     |
|          | FR1 n26(5) Ant 1     |          | 0.36              | 0.73                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7   |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN6GHz Ant 6+7     |          | 0.189             |                      | 10mm     | -28.2                  | 41    | -1.41 |                  |                   |               |                  |



# FCC SAR Test Report

Report No. : FA461912

| Case No  | Band                 | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
|----------|----------------------|----------|-------------------|----------------------|----------|------------------------|-------|-------|------------------|-------------------|---------------|------------------|
|          |                      |          |                   |                      |          | X                      | Y     | Z     |                  |                   |               |                  |
| Case 130 | LTE Band 30 Ant 0    | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73   | -1.28 | 142.5            | 1.89              | 0.02          | Not required     |
|          | FR1 n26(5) Ant 1     |          | 0.36              | 0.75                 | 10mm     | 19.4                   | 66    | -1.28 |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7   |          | 0.392             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | LTE Band 30 Ant 0    | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73   | -1.28 | 103.5            | 1.89              | 0.03          | Not required     |
|          | FR1 n26(5) Ant 1     |          | 0.36              | 0.75                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7   |          | 0.392             |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
| Case No  | Band                 | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
|          |                      |          |                   |                      |          | X                      | Y     | Z     |                  |                   |               |                  |
| Case 131 | LTE Band 30 Ant 0    | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73   | -1.28 | 142.5            | 1.90              | 0.02          | Not required     |
|          | FR1 n26(5) Ant 1     |          | 0.36              | 0.76                 | 10mm     | 19.4                   | 66    | -1.28 |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7     |          | 0.397             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | Bluetooth Ant 6      |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | LTE Band 30 Ant 0    | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73   | -1.28 | 121.2            | 1.90              | 0.02          | Not required     |
|          | FR1 n26(5) Ant 1     |          | 0.36              | 0.76                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7     |          | 0.397             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
|          | Bluetooth Ant 6      |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | LTE Band 30 Ant 0    | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73   | -1.28 | 147.0            | 1.90              | 0.02          | Not required     |
|          | FR1 n26(5) Ant 1     |          | 0.36              | 0.76                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7     |          | 0.397             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | Bluetooth Ant 6      |          | 0.006             |                      | 10mm     | -30.6                  | 72.8  | -1.23 |                  |                   |               |                  |
| Case No  | Band                 | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
|          |                      |          |                   |                      |          | X                      | Y     | Z     |                  |                   |               |                  |
| Case 132 | LTE Band 30 Ant 0    | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73   | -1.28 | 142.5            | 1.69              | 0.02          | Not required     |
|          | FR1 n26(5) Ant 1     |          | 0.36              | 0.56                 | 10mm     | 19.4                   | 66    | -1.28 |                  |                   |               |                  |
|          | WLAN6GHz Ant 6+7     |          | 0.189             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | Bluetooth Ant 6      |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | LTE Band 30 Ant 0    | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73   | -1.28 | 115.1            | 1.69              | 0.02          | Not required     |
|          | FR1 n26(5) Ant 1     |          | 0.36              | 0.56                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN6GHz Ant 6+7     |          | 0.189             |                      | 10mm     | -28.2                  | 41    | -1.41 |                  |                   |               |                  |
|          | Bluetooth Ant 6      |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | LTE Band 30 Ant 0    | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73   | -1.28 | 147.0            | 1.69              | 0.02          | Not required     |
|          | FR1 n26(5) Ant 1     |          | 0.36              | 0.56                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN6GHz Ant 6+7     |          | 0.189             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | Bluetooth Ant 6      |          | 0.006             |                      | 10mm     | -30.6                  | 72.8  | -1.23 |                  |                   |               |                  |
| Case No  | Band                 | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
|          |                      |          |                   |                      |          | X                      | Y     | Z     |                  |                   |               |                  |
| Case 133 | FR1 n66 Ant 0        | Back     | 1.138             | 1.138                | 10mm     | -4.5                   | -76.6 | 1.32  | 144.5            | 1.88              | 0.02          | Not required     |
|          | LTE Band 26(5) Ant 1 |          | 0.36              | 0.74                 | 10mm     | 19.5                   | 65.9  | -1.23 |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7   |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7     |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | FR1 n66 Ant 0        | Back     | 1.138             | 1.138                | 10mm     | -4.5                   | -76.6 | 1.32  | 108.6            | 1.88              | 0.02          | Not required     |
|          | LTE Band 26(5) Ant 1 |          | 0.36              | 0.74                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7   |          | 0.18              |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7     |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | FR1 n66 Ant 0        | Back     | 1.138             | 1.138                | 10mm     | -4.5                   | -76.6 | 1.32  | 126.4            | 1.88              | 0.02          | Not required     |
|          | LTE Band 26(5) Ant 1 |          | 0.36              | 0.74                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7   |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7     |          | 0.199             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
| Case No  | Band                 | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
|          |                      |          |                   |                      |          | X                      | Y     | Z     |                  |                   |               |                  |
| Case 134 | FR1 n66 Ant 0        | Back     | 1.138             | 1.138                | 10mm     | -4.5                   | -76.6 | 1.32  | 144.5            | 1.87              | 0.02          | Not required     |
|          | LTE Band 26(5) Ant 1 |          | 0.36              | 0.73                 | 10mm     | 19.5                   | 65.9  | -1.23 |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7   |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN6GHz Ant 6+7     |          | 0.19              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | FR1 n66 Ant 0        | Back     | 1.138             | 1.138                | 10mm     | -4.5                   | -76.6 | 1.32  | 108.6            | 1.87              | 0.02          | Not required     |
|          | LTE Band 26(5) Ant 1 |          | 0.36              | 0.73                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7   |          | 0.18              |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
|          | WLAN6GHz Ant 6+7     |          | 0.19              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | FR1 n66 Ant 0        | Back     | 1.138             | 1.138                | 10mm     | -4.5                   | -76.6 | 1.32  | 120.0            | 1.87              | 0.02          | Not required     |



# FCC SAR Test Report

Report No. : FA461912

|  |                      |  |      |      |      |       |    |       |  |  |  |  |
|--|----------------------|--|------|------|------|-------|----|-------|--|--|--|--|
|  | LTE Band 26(5) Ant 1 |  | 0.36 |      | 10mm |       |    |       |  |  |  |  |
|  | WLAN2.4GHz Ant 6+7   |  | 0.18 | 0.73 | 10mm |       |    |       |  |  |  |  |
|  | WLAN6GHz Ant 6+7     |  | 0.19 |      | 10mm | -28.2 | 41 | -1.41 |  |  |  |  |

| Case No  | Band               | Position | SAR 1g<br>SAR<br>(W/kg) | Summed<br>1g SAR<br>(W/kg) | Gap<br>(mm) | SAR peak location (mm) |       |       | 3D<br>distance<br>(mm) | Summed<br>SAR<br>(W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
|----------|--------------------|----------|-------------------------|----------------------------|-------------|------------------------|-------|-------|------------------------|-------------------------|------------------|---------------------|
|          |                    |          |                         |                            |             | X                      | Y     | Z     |                        |                         |                  |                     |
| Case 135 | LTE Band 66 Ant 0  | Back     | 1.164                   | 1.164                      | 10mm        | 0.3                    | -73.5 | -1.28 | 140.8                  | 1.92                    | 0.02             | Not required        |
|          | FR1 n26(5) Ant 1   |          | 0.36                    | 0.75                       | 10mm        | 19.4                   | 66    | -1.28 |                        |                         |                  |                     |
|          | WLAN2.4GHz Ant 6+7 |          | 0.392                   |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|          | LTE Band 66 Ant 0  | Back     | 1.164                   | 1.164                      | 10mm        | 0.3                    | -73.5 | -1.28 | 106.8                  | 1.92                    | 0.02             | Not required        |
|          | FR1 n26(5) Ant 1   |          | 0.36                    | 0.75                       | 10mm        |                        |       |       |                        |                         |                  |                     |
|          | WLAN2.4GHz Ant 6+7 |          | 0.392                   |                            | 10mm        | -29.8                  | 29    | -1.45 |                        |                         |                  |                     |
| Case No  | Band               | Position | SAR 1g<br>SAR<br>(W/kg) | Summed<br>1g SAR<br>(W/kg) | Gap<br>(mm) | SAR peak location (mm) |       |       | 3D<br>distance<br>(mm) | Summed<br>SAR<br>(W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
|          |                    |          |                         |                            |             | X                      | Y     | Z     |                        |                         |                  |                     |
| Case 136 | LTE Band 66 Ant 0  | Back     | 1.164                   | 1.164                      | 10mm        | 0.3                    | -73.5 | -1.28 | 140.8                  | 1.93                    | 0.02             | Not required        |
|          | FR1 n26(5) Ant 1   |          | 0.36                    | 0.76                       | 10mm        | 19.4                   | 66    | -1.28 |                        |                         |                  |                     |
|          | WLAN5GHz Ant 6+7   |          | 0.397                   |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|          | Bluetooth Ant 6    |          | 0.006                   |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|          | LTE Band 66 Ant 0  | Back     | 1.164                   | 1.164                      | 10mm        | 0.3                    | -73.5 | -1.28 | 124.7                  | 1.93                    | 0.02             | Not required        |
|          | FR1 n26(5) Ant 1   |          | 0.36                    | 0.76                       | 10mm        |                        |       |       |                        |                         |                  |                     |
|          | WLAN5GHz Ant 6+7   |          | 0.397                   |                            | 10mm        | -35.2                  | 46    | -1.29 |                        |                         |                  |                     |
|          | Bluetooth Ant 6    |          | 0.006                   |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|          | LTE Band 66 Ant 0  | Back     | 1.164                   | 1.164                      | 10mm        | 0.3                    | -73.5 | -1.28 | 149.5                  | 1.93                    | 0.02             | Not required        |
|          | FR1 n26(5) Ant 1   |          | 0.36                    | 0.76                       | 10mm        |                        |       |       |                        |                         |                  |                     |
|          | WLAN5GHz Ant 6+7   |          | 0.397                   |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|          | Bluetooth Ant 6    |          | 0.006                   |                            | 10mm        | -30.6                  | 72.8  | -1.23 |                        |                         |                  |                     |
| Case No  | Band               | Position | SAR 1g<br>SAR<br>(W/kg) | Summed<br>1g SAR<br>(W/kg) | Gap<br>(mm) | SAR peak location (mm) |       |       | 3D<br>distance<br>(mm) | Summed<br>SAR<br>(W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
|          |                    |          |                         |                            |             | X                      | Y     | Z     |                        |                         |                  |                     |
| Case 137 | LTE Band 66 Ant 0  | Back     | 1.164                   | 1.164                      | 10mm        | 0.3                    | -73.5 | -1.28 | 140.8                  | 1.72                    | 0.02             | Not required        |
|          | FR1 n26(5) Ant 1   |          | 0.36                    | 0.56                       | 10mm        | 19.4                   | 66    | -1.28 |                        |                         |                  |                     |
|          | WLAN6GHz Ant 6+7   |          | 0.189                   |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|          | Bluetooth Ant 6    |          | 0.006                   |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|          | LTE Band 66 Ant 0  | Back     | 1.164                   | 1.164                      | 10mm        | 0.3                    | -73.5 | -1.28 | 118.0                  | 1.72                    | 0.02             | Not required        |
|          | FR1 n26(5) Ant 1   |          | 0.36                    | 0.56                       | 10mm        |                        |       |       |                        |                         |                  |                     |
|          | WLAN6GHz Ant 6+7   |          | 0.189                   |                            | 10mm        | -28.2                  | 41    | -1.41 |                        |                         |                  |                     |
|          | Bluetooth Ant 6    |          | 0.006                   |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|          | LTE Band 66 Ant 0  | Back     | 1.164                   | 1.164                      | 10mm        | 0.3                    | -73.5 | -1.28 | 149.5                  | 1.72                    | 0.02             | Not required        |
|          | FR1 n26(5) Ant 1   |          | 0.36                    | 0.56                       | 10mm        |                        |       |       |                        |                         |                  |                     |
|          | WLAN6GHz Ant 6+7   |          | 0.189                   |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|          | Bluetooth Ant 6    |          | 0.006                   |                            | 10mm        | -30.6                  | 72.8  | -1.23 |                        |                         |                  |                     |
| Case No  | Band               | Position | SAR 1g<br>SAR<br>(W/kg) | Summed<br>1g SAR<br>(W/kg) | Gap<br>(mm) | SAR peak location (mm) |       |       | 3D<br>distance<br>(mm) | Summed<br>SAR<br>(W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
|          |                    |          |                         |                            |             | X                      | Y     | Z     |                        |                         |                  |                     |
| Case 138 | LTE Band 66 Ant 0  | Back     | 1.164                   | 1.164                      | 10mm        | 0.3                    | -73.5 | -1.28 | 140.7                  | 1.90                    | 0.02             | Not required        |
|          | FR1 n26(5) Ant 1   |          | 0.36                    | 0.74                       | 10mm        | 19.5                   | 65.9  | -1.23 |                        |                         |                  |                     |
|          | WLAN2.4GHz Ant 6+7 |          | 0.18                    |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|          | WLAN5GHz Ant 6+7   |          | 0.199                   |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|          | LTE Band 66 Ant 0  | Back     | 1.164                   | 1.164                      | 10mm        | 0.3                    | -73.5 | -1.28 | 106.8                  | 1.90                    | 0.02             | Not required        |
|          | FR1 n26(5) Ant 1   |          | 0.36                    | 0.74                       | 10mm        |                        |       |       |                        |                         |                  |                     |
|          | WLAN2.4GHz Ant 6+7 |          | 0.18                    |                            | 10mm        | -29.8                  | 29    | -1.45 |                        |                         |                  |                     |
|          | WLAN5GHz Ant 6+7   |          | 0.199                   |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|          | LTE Band 66 Ant 0  | Back     | 1.164                   | 1.164                      | 10mm        | 0.3                    | -73.5 | -1.28 | 124.7                  | 1.90                    | 0.02             | Not required        |
|          | FR1 n26(5) Ant 1   |          | 0.36                    | 0.74                       | 10mm        |                        |       |       |                        |                         |                  |                     |
|          | WLAN2.4GHz Ant 6+7 |          | 0.18                    |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|          | WLAN5GHz Ant 6+7   |          | 0.199                   |                            | 10mm        | -35.2                  | 46    | -1.29 |                        |                         |                  |                     |
| Case No  | Band               | Position | SAR 1g<br>SAR<br>(W/kg) | Summed<br>1g SAR<br>(W/kg) | Gap<br>(mm) | SAR peak location (mm) |       |       | 3D<br>distance<br>(mm) | Summed<br>SAR<br>(W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
|          |                    |          |                         |                            |             | X                      | Y     | Z     |                        |                         |                  |                     |
| Case 139 | LTE Band 66 Ant 0  | Back     | 1.164                   | 1.164                      | 10mm        | 0.3                    | -73.5 | -1.28 | 140.7                  | 1.89                    | 0.02             | Not required        |
|          | FR1 n26(5) Ant 1   |          | 0.36                    | 0.73                       | 10mm        | 19.5                   | 65.9  | -1.23 |                        |                         |                  |                     |
|          | WLAN2.4GHz Ant 6+7 |          | 0.18                    |                            | 10mm        |                        |       |       |                        |                         |                  |                     |
|          | WLAN6GHz Ant 6+7   |          | 0.189                   |                            | 10mm        |                        |       |       |                        |                         |                  |                     |



# FCC SAR Test Report

Report No. : FA461912

|  |                    |      |       |       |      |       |       |       |       |      |      |              |
|--|--------------------|------|-------|-------|------|-------|-------|-------|-------|------|------|--------------|
|  | LTE Band 66 Ant 0  | Back | 1.164 | 1.164 | 10mm | 0.3   | -73.5 | -1.28 | 106.8 | 1.89 | 0.02 | Not required |
|  | FR1 n26(5) Ant 1   |      | 0.36  | 0.73  | 10mm |       |       |       |       |      |      |              |
|  | WLAN2.4GHz Ant 6+7 |      | 0.18  |       | 10mm | -29.8 | 29    | -1.45 |       |      |      |              |
|  | WLAN6GHz Ant 6+7   |      | 0.189 |       | 10mm |       |       |       |       |      |      |              |
|  | LTE Band 66 Ant 0  | Back | 1.164 | 1.164 | 10mm | 0.3   | -73.5 | -1.28 | 118.0 | 1.89 | 0.02 | Not required |
|  | FR1 n26(5) Ant 1   |      | 0.36  | 0.73  | 10mm |       |       |       |       |      |      |              |
|  | WLAN2.4GHz Ant 6+7 |      | 0.18  |       | 10mm |       |       |       |       |      |      |              |
|  | WLAN6GHz Ant 6+7   |      | 0.189 |       | 10mm | -28.2 | 41    | -1.41 |       |      |      |              |

| Case No  | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
|----------|--------------------|----------|-------------------|----------------------|----------|------------------------|-------|-------|------------------|-------------------|---------------|------------------|
| Case 140 | LTE Band 66 Ant 0  | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 138.5            | 1.73              | 0.02          | Not required     |
|          | FR1 n12 Ant 1      |          | 0.176             | 0.57                 | 10mm     | 18.7                   | 63.8  | -1.25 |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7 |          | 0.392             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | LTE Band 66 Ant 0  | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 106.8            | 1.73              | 0.02          | Not required     |
|          | FR1 n12 Ant 1      |          | 0.176             | 0.57                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7 |          | 0.392             |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
| Case No  | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 141 | LTE Band 66 Ant 0  | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 138.5            | 1.74              | 0.02          | Not required     |
|          | FR1 n12 Ant 1      |          | 0.176             | 0.58                 | 10mm     | 18.7                   | 63.8  | -1.25 |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7   |          | 0.397             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | LTE Band 66 Ant 0  | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 124.7            | 1.74              | 0.02          | Not required     |
|          | FR1 n12 Ant 1      |          | 0.176             | 0.58                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7   |          | 0.397             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
|          | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | LTE Band 66 Ant 0  | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 149.5            | 1.74              | 0.02          | Not required     |
|          | FR1 n12 Ant 1      |          | 0.176             | 0.58                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7   |          | 0.397             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | Bluetooth Ant 6    |          | 0.006             |                      | 10mm     | -30.6                  | 72.8  | -1.23 |                  |                   |               |                  |
| Case No  | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 142 | LTE Band 66 Ant 0  | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 138.5            | 1.72              | 0.02          | Not required     |
|          | FR1 n12 Ant 1      |          | 0.176             | 0.56                 | 10mm     | 18.7                   | 63.8  | -1.25 |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7 |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | LTE Band 66 Ant 0  | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 106.8            | 1.72              | 0.02          | Not required     |
|          | FR1 n12 Ant 1      |          | 0.176             | 0.56                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7 |          | 0.18              |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | LTE Band 66 Ant 0  | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 124.7            | 1.72              | 0.02          | Not required     |
|          | FR1 n12 Ant 1      |          | 0.176             | 0.56                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7 |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7   |          | 0.199             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
| Case No  | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 143 | LTE Band 66 Ant 0  | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 138.5            | 1.71              | 0.02          | Not required     |
|          | FR1 n12 Ant 1      |          | 0.176             | 0.55                 | 10mm     | 18.7                   | 63.8  | -1.25 |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7 |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN6GHz Ant 6+7   |          | 0.19              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | LTE Band 66 Ant 0  | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 106.8            | 1.71              | 0.02          | Not required     |
|          | FR1 n12 Ant 1      |          | 0.176             | 0.55                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7 |          | 0.18              |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
|          | WLAN6GHz Ant 6+7   |          | 0.19              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | LTE Band 66 Ant 0  | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 118.0            | 1.71              | 0.02          | Not required     |
|          | FR1 n12 Ant 1      |          | 0.176             | 0.55                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7 |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN6GHz Ant 6+7   |          | 0.19              |                      | 10mm     | -28.2                  | 41    | -1.41 |                  |                   |               |                  |
| Case No  | Band               | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |



# FCC SAR Test Report

Report No. : FA461912

|          |                      |          |                   |                      |          |                        |       |       |                  |                   |               |                  |
|----------|----------------------|----------|-------------------|----------------------|----------|------------------------|-------|-------|------------------|-------------------|---------------|------------------|
| Case 144 | LTE Band 66 Ant 0    | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 138.8            | 1.78              | 0.02          | Not required     |
|          | FR1 n71 Ant 1        |          | 0.219             | 0.61                 | 10mm     | 18.6                   | 64.1  | -1.22 |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7   |          | 0.392             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | LTE Band 66 Ant 0    | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 106.8            | 1.78              | 0.02          | Not required     |
|          | FR1 n71 Ant 1        |          | 0.219             | 0.61                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7   |          | 0.392             |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
| Case No  | Band                 | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 145 | LTE Band 66 Ant 0    | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 138.8            | 1.79              | 0.02          | Not required     |
|          | FR1 n71 Ant 1        |          | 0.219             | 0.62                 | 10mm     | 18.6                   | 64.1  | -1.22 |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7     |          | 0.397             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | Bluetooth Ant 6      |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | LTE Band 66 Ant 0    | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 124.7            | 1.79              | 0.02          | Not required     |
|          | FR1 n71 Ant 1        |          | 0.219             | 0.62                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7     |          | 0.397             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
|          | Bluetooth Ant 6      |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | LTE Band 66 Ant 0    | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 149.5            | 1.79              | 0.02          | Not required     |
|          | FR1 n71 Ant 1        |          | 0.219             | 0.62                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7     |          | 0.397             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | Bluetooth Ant 6      |          | 0.006             |                      | 10mm     | -30.6                  | 72.8  | -1.23 |                  |                   |               |                  |
| Case No  | Band                 | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 146 | LTE Band 66 Ant 0    | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 138.8            | 1.76              | 0.02          | Not required     |
|          | FR1 n71 Ant 1        |          | 0.219             | 0.60                 | 10mm     | 18.6                   | 64.1  | -1.22 |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7   |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7     |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | LTE Band 66 Ant 0    | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 106.8            | 1.76              | 0.02          | Not required     |
|          | FR1 n71 Ant 1        |          | 0.219             | 0.60                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7   |          | 0.18              |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7     |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | LTE Band 66 Ant 0    | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 124.7            | 1.76              | 0.02          | Not required     |
|          | FR1 n71 Ant 1        |          | 0.219             | 0.60                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7   |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7     |          | 0.199             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
| Case No  | Band                 | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 147 | LTE Band 66 Ant 0    | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 138.8            | 1.75              | 0.02          | Not required     |
|          | FR1 n71 Ant 1        |          | 0.219             | 0.59                 | 10mm     | 18.6                   | 64.1  | -1.22 |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7   |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN6GHz Ant 6+7     |          | 0.19              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | LTE Band 66 Ant 0    | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 106.8            | 1.75              | 0.02          | Not required     |
|          | FR1 n71 Ant 1        |          | 0.219             | 0.59                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7   |          | 0.18              |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
|          | WLAN6GHz Ant 6+7     |          | 0.19              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | LTE Band 66 Ant 0    | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 118.0            | 1.75              | 0.02          | Not required     |
|          | FR1 n71 Ant 1        |          | 0.219             | 0.59                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7   |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN6GHz Ant 6+7     |          | 0.19              |                      | 10mm     | -28.2                  | 41    | -1.41 |                  |                   |               |                  |
| Case No  | Band                 | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 148 | LTE Band 25(2) Ant 0 | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 150.7            | 1.62              | 0.01          | Not required     |
|          | FR1 n41 HPUE Ant 2   |          | 0.33              | 0.72                 | 10mm     | 22.6                   | 75.4  | -1.09 |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7   |          | 0.392             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | LTE Band 25(2) Ant 0 | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 106.9            | 1.62              | 0.02          | Not required     |
|          | FR1 n41 HPUE Ant 2   |          | 0.33              | 0.72                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7   |          | 0.392             |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
| Case No  | Band                 | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 149 | LTE Band 25(2) Ant 0 | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 150.7            | 1.63              | 0.01          | Not required     |
|          | FR1 n41 HPUE Ant 2   |          | 0.33              | 0.73                 | 10mm     | 22.6                   | 75.4  | -1.09 |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7     |          | 0.397             |                      | 10mm     |                        |       |       |                  |                   |               |                  |



# FCC SAR Test Report

Report No. : FA461912

|                 |                      |          |                   |                      |          |                        |       |       |                  |                   |               |                  |
|-----------------|----------------------|----------|-------------------|----------------------|----------|------------------------|-------|-------|------------------|-------------------|---------------|------------------|
|                 | Bluetooth Ant 6      | Back     | 0.006             |                      | 10mm     |                        |       |       | 124.8            | 1.63              | 0.02          | Not required     |
|                 | LTE Band 25(2) Ant 0 |          | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 |                  |                   |               |                  |
|                 | FR1 n41 HPUE Ant 2   |          | 0.33              | 0.73                 | 10mm     |                        |       |       |                  |                   |               |                  |
|                 | WLAN5GHz Ant 6+7     |          | 0.397             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
|                 | Bluetooth Ant 6      |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|                 | LTE Band 25(2) Ant 0 | 0.894    | 0.894             | 10mm                 | 0.3      | -73.6                  | -1.25 | 149.6 | 1.63             | 0.01              | Not required  |                  |
|                 | FR1 n41 HPUE Ant 2   | 0.33     | 0.73              | 10mm                 |          |                        |       |       |                  |                   |               |                  |
|                 | WLAN5GHz Ant 6+7     | 0.397    |                   | 10mm                 |          |                        |       |       |                  |                   |               |                  |
| Bluetooth Ant 6 | 0.006                | 10mm     |                   | -30.6                | 72.8     | -1.23                  |       |       |                  |                   |               |                  |
| Case No         | Band                 | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 150        | LTE Band 25(2) Ant 0 | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 150.7            | 1.60              | 0.01          | Not required     |
|                 | FR1 n41 HPUE Ant 2   |          | 0.33              | 0.71                 | 10mm     | 22.6                   | 75.4  | -1.09 |                  |                   |               |                  |
|                 | WLAN2.4GHz Ant 6+7   |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|                 | WLAN5GHz Ant 6+7     |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|                 | LTE Band 25(2) Ant 0 | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 106.9            | 1.60              | 0.02          | Not required     |
|                 | FR1 n41 HPUE Ant 2   |          | 0.33              | 0.71                 | 10mm     |                        |       |       |                  |                   |               |                  |
|                 | WLAN2.4GHz Ant 6+7   |          | 0.18              |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
|                 | WLAN5GHz Ant 6+7     |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|                 | LTE Band 25(2) Ant 0 | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 124.8            | 1.60              | 0.02          | Not required     |
|                 | FR1 n41 HPUE Ant 2   |          | 0.33              | 0.71                 | 10mm     |                        |       |       |                  |                   |               |                  |
|                 | WLAN2.4GHz Ant 6+7   |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|                 | WLAN5GHz Ant 6+7     |          | 0.199             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
| Case No         | Band                 | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 151        | LTE Band 66 Ant 0    | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 150.6            | 1.89              | 0.02          | Not required     |
|                 | FR1 n41 HPUE Ant 2   |          | 0.33              | 0.72                 | 10mm     | 22.6                   | 75.4  | -1.09 |                  |                   |               |                  |
|                 | WLAN2.4GHz Ant 6+7   |          | 0.392             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|                 | LTE Band 66 Ant 0    | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 106.8            | 1.89              | 0.02          | Not required     |
|                 | FR1 n41 HPUE Ant 2   |          | 0.33              | 0.72                 | 10mm     |                        |       |       |                  |                   |               |                  |
|                 | WLAN2.4GHz Ant 6+7   |          | 0.392             |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
| Case No         | Band                 | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 152        | LTE Band 66 Ant 0    | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 150.6            | 1.90              | 0.02          | Not required     |
|                 | FR1 n41 HPUE Ant 2   |          | 0.33              | 0.73                 | 10mm     | 22.6                   | 75.4  | -1.09 |                  |                   |               |                  |
|                 | WLAN5GHz Ant 6+7     |          | 0.397             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|                 | Bluetooth Ant 6      |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|                 | LTE Band 66 Ant 0    | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 124.7            | 1.90              | 0.02          | Not required     |
|                 | FR1 n41 HPUE Ant 2   |          | 0.33              | 0.73                 | 10mm     |                        |       |       |                  |                   |               |                  |
|                 | WLAN5GHz Ant 6+7     |          | 0.397             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
|                 | Bluetooth Ant 6      |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|                 | LTE Band 66 Ant 0    | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 149.5            | 1.90              | 0.02          | Not required     |
|                 | FR1 n41 HPUE Ant 2   |          | 0.33              | 0.73                 | 10mm     |                        |       |       |                  |                   |               |                  |
|                 | WLAN5GHz Ant 6+7     |          | 0.397             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|                 | Bluetooth Ant 6      |          | 0.006             |                      | 10mm     | -30.6                  | 72.8  | -1.23 |                  |                   |               |                  |
| Case No         | Band                 | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 153        | LTE Band 66 Ant 0    | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 150.6            | 1.69              | 0.01          | Not required     |
|                 | FR1 n41 HPUE Ant 2   |          | 0.33              | 0.53                 | 10mm     | 22.6                   | 75.4  | -1.09 |                  |                   |               |                  |
|                 | WLAN6GHz Ant 6+7     |          | 0.189             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|                 | Bluetooth Ant 6      |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|                 | LTE Band 66 Ant 0    | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 118.0            | 1.69              | 0.02          | Not required     |
|                 | FR1 n41 HPUE Ant 2   |          | 0.33              | 0.53                 | 10mm     |                        |       |       |                  |                   |               |                  |
|                 | WLAN6GHz Ant 6+7     |          | 0.189             |                      | 10mm     | -28.2                  | 41    | -1.41 |                  |                   |               |                  |
|                 | Bluetooth Ant 6      |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|                 | LTE Band 66 Ant 0    | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 149.5            | 1.69              | 0.01          | Not required     |
|                 | FR1 n41 HPUE Ant 2   |          | 0.33              | 0.53                 | 10mm     |                        |       |       |                  |                   |               |                  |
|                 | WLAN6GHz Ant 6+7     |          | 0.189             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|                 | Bluetooth Ant 6      |          | 0.006             |                      | 10mm     | -30.6                  | 72.8  | -1.23 |                  |                   |               |                  |
| Case No         | Band                 | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |



# FCC SAR Test Report

Report No. : FA461912

| Case 154 | FR1 n66 Ant 0        | Back     | 1.164             | 1.164                | 10mm     | -4.5                   | -76.6 | 1.32  | 144.5            | 1.87              | 0.02          | Not required     |
|----------|----------------------|----------|-------------------|----------------------|----------|------------------------|-------|-------|------------------|-------------------|---------------|------------------|
|          | LTE Band 26(5) Ant 1 |          | 0.33              | 0.71                 | 10mm     | 19.5                   | 65.9  | -1.23 |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7   |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7     |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | FR1 n66 Ant 0        | Back     | 1.164             | 1.164                | 10mm     | -4.5                   | -76.6 | 1.32  | 108.6            | 1.87              | 0.02          | Not required     |
|          | LTE Band 26(5) Ant 1 |          | 0.33              | 0.71                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7   |          | 0.18              |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7     |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | FR1 n66 Ant 0        | Back     | 1.164             | 1.164                | 10mm     | -4.5                   | -76.6 | 1.32  | 126.4            | 1.87              | 0.02          | Not required     |
|          | LTE Band 26(5) Ant 1 |          | 0.33              | 0.71                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7   |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7     |          | 0.199             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
| Case No  | Band                 | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 155 | FR1 n66 Ant 0        | Back     | 1.164             | 1.164                | 10mm     | -4.5                   | -76.6 | 1.32  | 144.5            | 1.86              | 0.02          | Not required     |
|          | LTE Band 26(5) Ant 1 |          | 0.33              | 0.70                 | 10mm     | 19.5                   | 65.9  | -1.23 |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7   |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN6GHz Ant 6+7     |          | 0.19              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | FR1 n66 Ant 0        | Back     | 1.164             | 1.164                | 10mm     | -4.5                   | -76.6 | 1.32  | 108.6            | 1.86              | 0.02          | Not required     |
|          | LTE Band 26(5) Ant 1 |          | 0.33              | 0.70                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7   |          | 0.18              |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
|          | WLAN6GHz Ant 6+7     |          | 0.19              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | FR1 n66 Ant 0        | Back     | 1.164             | 1.164                | 10mm     | -4.5                   | -76.6 | 1.32  | 120.0            | 1.86              | 0.02          | Not required     |
|          | LTE Band 26(5) Ant 1 |          | 0.33              | 0.70                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7   |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN6GHz Ant 6+7     |          | 0.19              |                      | 10mm     | -28.2                  | 41    | -1.41 |                  |                   |               |                  |
| Case No  | Band                 | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 156 | FR1 n66 Ant 0        | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 150.8            | 1.95              | 0.02          | Not required     |
|          | LTE Band 2 Ant 5     |          | 0.469             | 0.86                 | 10mm     | -18.5                  | 73.5  | -1.42 |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7   |          | 0.392             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | FR1 n66 Ant 0        | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 108.6            | 1.95              | 0.03          | Not required     |
|          | LTE Band 2 Ant 5     |          | 0.469             | 0.86                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7   |          | 0.392             |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
| Case No  | Band                 | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 157 | FR1 n66 Ant 0        | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 150.8            | 1.96              | 0.02          | Not required     |
|          | LTE Band 2 Ant 5     |          | 0.469             | 0.87                 | 10mm     | -18.5                  | 73.5  | -1.42 |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7     |          | 0.397             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | Bluetooth Ant 6      |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | FR1 n66 Ant 0        | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 126.4            | 1.96              | 0.02          | Not required     |
|          | LTE Band 2 Ant 5     |          | 0.469             | 0.87                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7     |          | 0.397             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
|          | Bluetooth Ant 6      |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | FR1 n66 Ant 0        | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 151.7            | 1.96              | 0.02          | Not required     |
|          | LTE Band 2 Ant 5     |          | 0.469             | 0.87                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7     |          | 0.397             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | Bluetooth Ant 6      |          | 0.006             |                      | 10mm     | -30.6                  | 72.8  | -1.23 |                  |                   |               |                  |
| Case No  | Band                 | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 158 | FR1 n66 Ant 0        | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 150.8            | 1.76              | 0.02          | Not required     |
|          | LTE Band 2 Ant 5     |          | 0.469             | 0.66                 | 10mm     | -18.5                  | 73.5  | -1.42 |                  |                   |               |                  |
|          | WLAN6GHz Ant 6+7     |          | 0.189             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | Bluetooth Ant 6      |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | FR1 n66 Ant 0        | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 120.0            | 1.76              | 0.02          | Not required     |
|          | LTE Band 2 Ant 5     |          | 0.469             | 0.66                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN6GHz Ant 6+7     |          | 0.189             |                      | 10mm     | -28.2                  | 41    | -1.41 |                  |                   |               |                  |
|          | Bluetooth Ant 6      |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | FR1 n66 Ant 0        | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 151.7            | 1.76              | 0.02          | Not required     |
|          | LTE Band 2 Ant 5     |          | 0.469             | 0.66                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN6GHz Ant 6+7     |          | 0.189             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | Bluetooth Ant 6      |          | 0.006             |                      | 10mm     | -30.6                  | 72.8  | -1.23 |                  |                   |               |                  |



# FCC SAR Test Report

Report No. : FA461912

| Case No  | Band                   | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
|----------|------------------------|----------|-------------------|----------------------|----------|------------------------|-------|-------|------------------|-------------------|---------------|------------------|
|          |                        |          |                   |                      |          | X                      | Y     | Z     |                  |                   |               |                  |
| Case 159 | FR1 n66 Ant 0          | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 144.5            | 1.94              | 0.02          | Not required     |
|          | LTE Band 2 Ant 5       |          | 0.469             | 0.85                 | 10mm     | 19.5                   | 65.9  | -1.23 |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7     |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7       |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | FR1 n66 Ant 0          | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 108.6            | 1.94              | 0.02          | Not required     |
|          | LTE Band 2 Ant 5       |          | 0.469             | 0.85                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7     |          | 0.18              |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7       |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | FR1 n66 Ant 0          | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 126.4            | 1.94              | 0.02          | Not required     |
|          | LTE Band 2 Ant 5       |          | 0.469             | 0.85                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7     |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7       |          | 0.199             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
| Case No  | Band                   | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
|          |                        |          |                   |                      |          | X                      | Y     | Z     |                  |                   |               |                  |
| Case 160 | FR1 n66 Ant 0          | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 144.5            | 1.93              | 0.02          | Not required     |
|          | LTE Band 2 Ant 5       |          | 0.469             | 0.84                 | 10mm     | 19.5                   | 65.9  | -1.23 |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7     |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN6GHz Ant 6+7       |          | 0.189             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | FR1 n66 Ant 0          | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 108.6            | 1.93              | 0.02          | Not required     |
|          | LTE Band 2 Ant 5       |          | 0.469             | 0.84                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7     |          | 0.18              |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
|          | WLAN6GHz Ant 6+7       |          | 0.189             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | FR1 n66 Ant 0          | Back     | 1.091             | 1.091                | 10mm     | -4.5                   | -76.6 | 1.32  | 120.0            | 1.93              | 0.02          | Not required     |
|          | LTE Band 2 Ant 5       |          | 0.469             | 0.84                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7     |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN6GHz Ant 6+7       |          | 0.189             |                      | 10mm     | -28.2                  | 41    | -1.41 |                  |                   |               |                  |
| Case No  | Band                   | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
|          |                        |          |                   |                      |          | X                      | Y     | Z     |                  |                   |               |                  |
| Case 161 | LTE Band 25(2) Ant 0   | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 143.0            | 1.63              | 0.01          | Not required     |
|          | FR1 n77(78) HPUE Ant 4 |          | 0.342             | 0.73                 | 10mm     | -28                    | 66.6  | -1.27 |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7     |          | 0.392             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | LTE Band 25(2) Ant 0   | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 106.9            | 1.63              | 0.02          | Not required     |
|          | FR1 n77(78) HPUE Ant 4 |          | 0.342             | 0.73                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7     |          | 0.392             |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
| Case No  | Band                   | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
|          |                        |          |                   |                      |          | X                      | Y     | Z     |                  |                   |               |                  |
| Case 162 | LTE Band 25(2) Ant 0   | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 143.0            | 1.64              | 0.01          | Not required     |
|          | FR1 n77(78) HPUE Ant 4 |          | 0.342             | 0.75                 | 10mm     | -28                    | 66.6  | -1.27 |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7       |          | 0.397             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | Bluetooth Ant 6        |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | LTE Band 25(2) Ant 0   | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 124.8            | 1.64              | 0.02          | Not required     |
|          | FR1 n77(78) HPUE Ant 4 |          | 0.342             | 0.75                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7       |          | 0.397             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
|          | Bluetooth Ant 6        |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | LTE Band 25(2) Ant 0   | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 149.6            | 1.64              | 0.01          | Not required     |
|          | FR1 n77(78) HPUE Ant 4 |          | 0.342             | 0.75                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7       |          | 0.397             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | Bluetooth Ant 6        |          | 0.006             |                      | 10mm     | -30.6                  | 72.8  | -1.23 |                  |                   |               |                  |
| Case No  | Band                   | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
|          |                        |          |                   |                      |          | X                      | Y     | Z     |                  |                   |               |                  |
| Case 163 | LTE Band 25(2) Ant 0   | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 143.0            | 1.62              | 0.01          | Not required     |
|          | FR1 n77(78) HPUE Ant 4 |          | 0.342             | 0.72                 | 10mm     | -28                    | 66.6  | -1.27 |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7     |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7       |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | LTE Band 25(2) Ant 0   | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 106.9            | 1.62              | 0.02          | Not required     |
|          | FR1 n77(78) HPUE Ant 4 |          | 0.342             | 0.72                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7     |          | 0.18              |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7       |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | LTE Band 25(2) Ant 0   | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 124.8            | 1.62              | 0.02          | Not required     |



# FCC SAR Test Report

Report No. : FA461912

|          |                        |          |                   |                      |          |                        |       |       |                  |                   |               |                  |
|----------|------------------------|----------|-------------------|----------------------|----------|------------------------|-------|-------|------------------|-------------------|---------------|------------------|
|          | FR1 n77(78) HPUE Ant 4 |          | 0.342             | 0.72                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7     |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7       |          | 0.199             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
| Case No  | Band                   | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 164 | LTE Band 25(2) Ant 0   | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 143.0            | 1.61              | 0.01          | Not required     |
|          | FR1 n77(78) HPUE Ant 4 |          | 0.342             | 0.71                 | 10mm     | -28                    | 66.6  | -1.27 |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7     |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN6GHz Ant 6+7       |          | 0.19              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | LTE Band 25(2) Ant 0   | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 106.9            | 1.61              | 0.02          | Not required     |
|          | FR1 n77(78) HPUE Ant 4 |          | 0.342             | 0.71                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7     |          | 0.18              |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
|          | WLAN6GHz Ant 6+7       |          | 0.19              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | LTE Band 25(2) Ant 0   | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 118.1            | 1.61              | 0.02          | Not required     |
|          | FR1 n77(78) HPUE Ant 4 |          | 0.342             | 0.71                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7     |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN6GHz Ant 6+7       |          | 0.19              |                      | 10mm     | -28.2                  | 41    | -1.41 |                  |                   |               |                  |
| Case No  | Band                   | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 165 | LTE Band 25(2) Ant 0   | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 143.0            | 1.63              | 0.01          | Not required     |
|          | FR1 n77(78) HPUE Ant 4 |          | 0.342             | 0.73                 | 10mm     | -28                    | 66.6  | -1.27 |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7     |          | 0.392             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | LTE Band 25(2) Ant 0   | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 106.9            | 1.63              | 0.02          | Not required     |
|          | FR1 n77(78) HPUE Ant 4 |          | 0.342             | 0.73                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7     |          | 0.392             |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
| Case No  | Band                   | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 166 | LTE Band 25(2) Ant 0   | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 143.0            | 1.64              | 0.01          | Not required     |
|          | FR1 n77(78) HPUE Ant 4 |          | 0.342             | 0.75                 | 10mm     | -28                    | 66.6  | -1.27 |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7       |          | 0.397             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | Bluetooth Ant 6        |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | LTE Band 25(2) Ant 0   | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 124.8            | 1.64              | 0.02          | Not required     |
|          | FR1 n77(78) HPUE Ant 4 |          | 0.342             | 0.75                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7       |          | 0.397             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
|          | Bluetooth Ant 6        |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | LTE Band 25(2) Ant 0   | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 149.6            | 1.64              | 0.01          | Not required     |
|          | FR1 n77(78) HPUE Ant 4 |          | 0.342             | 0.75                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7       |          | 0.397             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | Bluetooth Ant 6        |          | 0.006             |                      | 10mm     | -30.6                  | 72.8  | -1.23 |                  |                   |               |                  |
| Case No  | Band                   | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 167 | LTE Band 25(2) Ant 0   | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 143.0            | 1.62              | 0.01          | Not required     |
|          | FR1 n77(78) HPUE Ant 4 |          | 0.342             | 0.72                 | 10mm     | -28                    | 66.6  | -1.27 |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7     |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7       |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | LTE Band 25(2) Ant 0   | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 106.9            | 1.62              | 0.02          | Not required     |
|          | FR1 n77(78) HPUE Ant 4 |          | 0.342             | 0.72                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7     |          | 0.18              |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7       |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | LTE Band 25(2) Ant 0   | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 124.8            | 1.62              | 0.02          | Not required     |
|          | FR1 n77(78) HPUE Ant 4 |          | 0.342             | 0.72                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7     |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7       |          | 0.199             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
| Case No  | Band                   | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 168 | LTE Band 25(2) Ant 0   | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 143.0            | 1.61              | 0.01          | Not required     |
|          | FR1 n77(78) HPUE Ant 4 |          | 0.342             | 0.71                 | 10mm     | -28                    | 66.6  | -1.27 |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7     |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN6GHz Ant 6+7       |          | 0.189             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | LTE Band 25(2) Ant 0   | Back     | 0.894             | 0.894                | 10mm     | 0.3                    | -73.6 | -1.25 | 106.9            | 1.61              | 0.02          | Not required     |
|          | FR1 n77(78) HPUE Ant 4 |          | 0.342             | 0.71                 | 10mm     |                        |       |       |                  |                   |               |                  |



# FCC SAR Test Report

Report No. : FA461912

|          | WLAN2.4GHz Ant 6+7     | Back     | 0.18              | 0.894                | 10mm     | -29.8                  | 29    | -1.45 | 118.1            | 1.61              | 0.02          | Not required     |
|----------|------------------------|----------|-------------------|----------------------|----------|------------------------|-------|-------|------------------|-------------------|---------------|------------------|
|          | WLAN6GHz Ant 6+7       |          | 0.189             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | LTE Band 25(2) Ant 0   |          | 0.894             |                      | 10mm     | 0.3                    | -73.6 | -1.25 |                  |                   |               |                  |
|          | FR1 n77(78) HPUE Ant 4 |          | 0.342             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7     |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN6GHz Ant 6+7       |          | 0.189             |                      | 10mm     | -28.2                  | 41    | -1.41 |                  |                   |               |                  |
| Case No  | Band                   | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 169 | LTE Band 66(4) Ant 0   | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 142.9            | 1.90              | 0.02          | Not required     |
|          | FR1 n77(78) HPUE Ant 4 |          | 0.342             | 0.73                 | 10mm     | -28                    | 66.6  | -1.27 |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7     |          | 0.392             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | LTE Band 66(4) Ant 0   | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 106.8            | 1.90              | 0.02          | Not required     |
|          | FR1 n77(78) HPUE Ant 4 |          | 0.342             | 0.73                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7     |          | 0.392             |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
| Case No  | Band                   | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 170 | LTE Band 66(4) Ant 0   | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 142.9            | 1.91              | 0.02          | Not required     |
|          | FR1 n77(78) HPUE Ant 4 |          | 0.342             | 0.75                 | 10mm     | -28                    | 66.6  | -1.27 |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7       |          | 0.397             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | Bluetooth Ant 6        |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | LTE Band 66(4) Ant 0   | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 124.7            | 1.91              | 0.02          | Not required     |
|          | FR1 n77(78) HPUE Ant 4 |          | 0.342             | 0.75                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7       |          | 0.397             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
|          | Bluetooth Ant 6        |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | LTE Band 66(4) Ant 0   | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 149.5            | 1.91              | 0.02          | Not required     |
|          | FR1 n77(78) HPUE Ant 4 |          | 0.342             | 0.75                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7       |          | 0.397             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | Bluetooth Ant 6        |          | 0.006             |                      | 10mm     | -30.6                  | 72.8  | -1.23 |                  |                   |               |                  |
| Case No  | Band                   | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 171 | LTE Band 66(4) Ant 0   | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 142.9            | 1.70              | 0.02          | Not required     |
|          | FR1 n77(78) HPUE Ant 4 |          | 0.342             | 0.54                 | 10mm     | -28                    | 66.6  | -1.27 |                  |                   |               |                  |
|          | WLAN6GHz Ant 6+7       |          | 0.189             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | Bluetooth Ant 6        |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | LTE Band 66(4) Ant 0   | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 118.0            | 1.70              | 0.02          | Not required     |
|          | FR1 n77(78) HPUE Ant 4 |          | 0.342             | 0.54                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN6GHz Ant 6+7       |          | 0.189             |                      | 10mm     | -28.2                  | 41    | -1.41 |                  |                   |               |                  |
|          | Bluetooth Ant 6        |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | LTE Band 66(4) Ant 0   | Back     | 1.164             | 1.164                | 10mm     | 0.3                    | -73.5 | -1.28 | 149.5            | 1.70              | 0.01          | Not required     |
|          | FR1 n77(78) HPUE Ant 4 |          | 0.342             | 0.54                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN6GHz Ant 6+7       |          | 0.189             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | Bluetooth Ant 6        |          | 0.006             |                      | 10mm     | -30.6                  | 72.8  | -1.23 |                  |                   |               |                  |
| Case No  | Band                   | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 172 | FR1 n66 Ant 0          | Back     | 1.164             | 1.164                | 10mm     | -4.5                   | -76.6 | 1.32  | 144.5            | 1.89              | 0.02          | Not required     |
|          | LTE Band 26(5) Ant 1   |          | 0.342             | 0.72                 | 10mm     | 19.5                   | 65.9  | -1.23 |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7     |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7       |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | FR1 n66 Ant 0          | Back     | 1.164             | 1.164                | 10mm     | -4.5                   | -76.6 | 1.32  | 108.6            | 1.89              | 0.02          | Not required     |
|          | LTE Band 26(5) Ant 1   |          | 0.342             | 0.72                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7     |          | 0.18              |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7       |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | FR1 n66 Ant 0          | Back     | 1.164             | 1.164                | 10mm     | -4.5                   | -76.6 | 1.32  | 126.4            | 1.89              | 0.02          | Not required     |
|          | LTE Band 26(5) Ant 1   |          | 0.342             | 0.72                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7     |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7       |          | 0.199             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
| Case No  | Band                   | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 173 | FR1 n66 Ant 0          | Back     | 1.164             | 1.164                | 10mm     | -4.5                   | -76.6 | 1.32  | 144.5            | 1.88              | 0.02          | Not required     |
|          | LTE Band 26(5) Ant 1   |          | 0.342             | 0.71                 | 10mm     | 19.5                   | 65.9  | -1.23 |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7     |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |



# FCC SAR Test Report

Report No. : FA461912

|          |                      |          |                   |                      |          |                        |       |       |                  |                   |               |                  |
|----------|----------------------|----------|-------------------|----------------------|----------|------------------------|-------|-------|------------------|-------------------|---------------|------------------|
|          | WLAN6GHz Ant 6+7     | Back     | 0.19              |                      | 10mm     |                        |       |       | 108.6            | 1.88              | 0.02          | Not required     |
|          | FR1 n66 Ant 0        |          | 1.164             | 1.164                | 10mm     | -4.5                   | -76.6 | 1.32  |                  |                   |               |                  |
|          | LTE Band 26(5) Ant 1 |          | 0.342             | 0.71                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7   |          | 0.18              |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
|          | WLAN6GHz Ant 6+7     | Back     | 0.19              | 0.71                 | 10mm     |                        |       |       | 120.0            | 1.88              | 0.02          | Not required     |
|          | FR1 n66 Ant 0        |          | 1.164             |                      | 10mm     | -4.5                   | -76.6 | 1.32  |                  |                   |               |                  |
|          | LTE Band 26(5) Ant 1 |          | 0.342             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7   |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN6GHz Ant 6+7     |          | 0.19              |                      | 10mm     | -28.2                  | 41    | -1.41 |                  |                   |               |                  |
| Case No  | Band                 | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 174 | LTE Band 30 Ant 0    | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73   | -1.28 | 140.5            | 1.87              | 0.02          | Not required     |
|          | FR1 n77 HPUE Ant 4   |          | 0.342             | 0.73                 | 10mm     | -28                    | 66.6  | -1.27 |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7   |          | 0.392             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | LTE Band 30 Ant 0    | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73   | -1.28 | 103.5            | 1.87              | 0.02          | Not required     |
|          | FR1 n77 HPUE Ant 4   |          | 0.342             | 0.73                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7   |          | 0.392             |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
| Case No  | Band                 | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 175 | LTE Band 30 Ant 0    | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73   | -1.28 | 140.5            | 1.88              | 0.02          | Not required     |
|          | FR1 n77 HPUE Ant 4   |          | 0.342             | 0.75                 | 10mm     | -28                    | 66.6  | -1.27 |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7     |          | 0.397             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | Bluetooth Ant 6      |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | LTE Band 30 Ant 0    | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73   | -1.28 | 121.2            | 1.88              | 0.02          | Not required     |
|          | FR1 n77 HPUE Ant 4   |          | 0.342             | 0.75                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7     |          | 0.397             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
|          | Bluetooth Ant 6      |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | LTE Band 30 Ant 0    | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73   | -1.28 | 147.0            | 1.88              | 0.02          | Not required     |
|          | FR1 n77 HPUE Ant 4   |          | 0.342             | 0.75                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7     |          | 0.397             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | Bluetooth Ant 6      |          | 0.006             |                      | 10mm     | -30.6                  | 72.8  | -1.23 |                  |                   |               |                  |
| Case No  | Band                 | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 176 | LTE Band 30 Ant 0    | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73   | -1.28 | 140.5            | 1.68              | 0.02          | Not required     |
|          | FR1 n77 HPUE Ant 4   |          | 0.342             | 0.54                 | 10mm     | -28                    | 66.6  | -1.27 |                  |                   |               |                  |
|          | WLAN6GHz Ant 6+7     |          | 0.189             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | Bluetooth Ant 6      |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | LTE Band 30 Ant 0    | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73   | -1.28 | 115.1            | 1.68              | 0.02          | Not required     |
|          | FR1 n77 HPUE Ant 4   |          | 0.342             | 0.54                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN6GHz Ant 6+7     |          | 0.189             |                      | 10mm     | -28.2                  | 41    | -1.41 |                  |                   |               |                  |
|          | Bluetooth Ant 6      |          | 0.006             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | LTE Band 30 Ant 0    | Back     | 1.138             | 1.138                | 10mm     | -12.1                  | -73   | -1.28 | 147.0            | 1.68              | 0.01          | Not required     |
|          | FR1 n77 HPUE Ant 4   |          | 0.342             | 0.54                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN6GHz Ant 6+7     |          | 0.189             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | Bluetooth Ant 6      |          | 0.006             |                      | 10mm     | -30.6                  | 72.8  | -1.23 |                  |                   |               |                  |
| Case No  | Band                 | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Case 177 | FR1 n66 Ant 0        | Back     | 1.138             | 1.138                | 10mm     | -4.5                   | -76.6 | 1.32  | 144.5            | 1.86              | 0.02          | Not required     |
|          | LTE Band 26(5) Ant 1 |          | 0.342             | 0.72                 | 10mm     | 19.5                   | 65.9  | -1.23 |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7   |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7     |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | FR1 n66 Ant 0        | Back     | 1.138             | 1.138                | 10mm     | -4.5                   | -76.6 | 1.32  | 108.6            | 1.86              | 0.02          | Not required     |
|          | LTE Band 26(5) Ant 1 |          | 0.342             | 0.72                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7   |          | 0.18              |                      | 10mm     | -29.8                  | 29    | -1.45 |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7     |          | 0.199             |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | FR1 n66 Ant 0        | Back     | 1.138             | 1.138                | 10mm     | -4.5                   | -76.6 | 1.32  | 126.4            | 1.86              | 0.02          | Not required     |
|          | LTE Band 26(5) Ant 1 |          | 0.342             | 0.72                 | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN2.4GHz Ant 6+7   |          | 0.18              |                      | 10mm     |                        |       |       |                  |                   |               |                  |
|          | WLAN5GHz Ant 6+7     |          | 0.199             |                      | 10mm     | -35.2                  | 46    | -1.29 |                  |                   |               |                  |
| Case No  | Band                 | Position | SAR 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Gap (mm) | SAR peak location (mm) |       |       | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |

|          |                      |      |       |       |      |       |       |       |       |      |      |              |
|----------|----------------------|------|-------|-------|------|-------|-------|-------|-------|------|------|--------------|
| Case 178 | FR1 n66 Ant 0        | Back | 1.138 | 1.138 | 10mm | -4.5  | -76.6 | 1.32  | 144.5 | 1.85 | 0.02 | Not required |
|          | LTE Band 26(5) Ant 1 |      | 0.342 | 0.71  | 10mm | 19.5  | 65.9  | -1.23 |       |      |      |              |
|          | WLAN2.4GHz Ant 6+7   |      | 0.18  |       | 10mm |       |       |       |       |      |      |              |
|          | WLAN6GHz Ant 6+7     |      | 0.19  |       | 10mm |       |       |       |       |      |      |              |
|          | FR1 n66 Ant 0        | Back | 1.138 | 1.138 | 10mm | -4.5  | -76.6 | 1.32  | 108.6 | 1.85 | 0.02 | Not required |
|          | LTE Band 26(5) Ant 1 |      | 0.342 | 0.71  | 10mm |       |       |       |       |      |      |              |
|          | WLAN2.4GHz Ant 6+7   |      | 0.18  |       | 10mm | -29.8 | 29    | -1.45 |       |      |      |              |
|          | WLAN6GHz Ant 6+7     |      | 0.19  |       | 10mm |       |       |       |       |      |      |              |
|          | FR1 n66 Ant 0        | Back | 1.138 | 1.138 | 10mm | -4.5  | -76.6 | 1.32  | 120.0 | 1.85 | 0.02 | Not required |
|          | LTE Band 26(5) Ant 1 |      | 0.342 | 0.71  | 10mm |       |       |       |       |      |      |              |
|          | WLAN2.4GHz Ant 6+7   |      | 0.18  |       | 10mm |       |       |       |       |      |      |              |
|          | WLAN6GHz Ant 6+7     |      | 0.19  |       | 10mm | -28.2 | 41    | -1.41 |       |      |      |              |

**Test Engineer : Martin Li, Varus Wang, Ricky Gu, Light Wang**

## 17. 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.

## **18. 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
- [10] FCC KDB 941225 D01 v03r01, "3G SAR MEAUREMENT PROCEDURES", Oct 2015
- [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

-----THE END-----