



**FCC SAR Test Report**

**Report No. : FA391202**

|                |                      |      |      |     |     |               |             |     |       |       |             |             |       |       |       |      |       |       |       |       |
|----------------|----------------------|------|------|-----|-----|---------------|-------------|-----|-------|-------|-------------|-------------|-------|-------|-------|------|-------|-------|-------|-------|
|                | FR1 n41 HPUE         | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Bottom Side | 5mm | Ant 1 | ECI 7 | 518598      | 2592.99     | 19.66 | 20.50 | 1.213 | -    | -     | -0.03 | 0.663 | 0.804 |
|                | FR1 n41 HPUE         | 100M | QPSK | 270 | 0   | DFT-SCS-30KHz | Bottom Side | 5mm | Ant 1 | ECI 7 | 518598      | 2592.99     | 19.59 | 20.50 | 1.233 | -    | -     | 0.14  | 0.626 | 0.772 |
|                | FR1 n41 HPUE         | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Front       | 5mm | Ant 4 | ECI 7 | 518598      | 2592.99     | 10.87 | 11.50 | 1.156 | -    | -     | 0.08  | 0.097 | 0.112 |
|                | FR1 n41 HPUE         | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Front       | 5mm | Ant 4 | ECI 7 | 518598      | 2592.99     | 10.86 | 11.50 | 1.159 | -    | -     | 0.01  | 0.111 | 0.129 |
|                | FR1 n41 HPUE         | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Back        | 5mm | Ant 4 | ECI 7 | 518598      | 2592.99     | 10.87 | 11.50 | 1.156 | -    | -     | -0.08 | 0.212 | 0.245 |
|                | FR1 n41 HPUE         | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Back        | 5mm | Ant 4 | ECI 7 | 518598      | 2592.99     | 10.86 | 11.50 | 1.159 | -    | -     | -0.08 | 0.266 | 0.308 |
|                | FR1 n41 HPUE         | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Left Side   | 5mm | Ant 4 | ECI 7 | 518598      | 2592.99     | 10.87 | 11.50 | 1.156 | -    | -     | -0.18 | 0.030 | 0.035 |
|                | FR1 n41 HPUE         | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Left Side   | 5mm | Ant 4 | ECI 7 | 518598      | 2592.99     | 10.86 | 11.50 | 1.159 | -    | -     | 0.1   | 0.040 | 0.046 |
|                | FR1 n41 HPUE         | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Top Side    | 5mm | Ant 4 | ECI 7 | 518598      | 2592.99     | 10.87 | 11.50 | 1.156 | -    | -     | 0.12  | 0.346 | 0.400 |
|                | FR1 n41 HPUE         | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Top Side    | 5mm | Ant 4 | ECI 7 | 518598      | 2592.99     | 10.86 | 11.50 | 1.159 | -    | -     | 0.03  | 0.509 | 0.590 |
|                | FR1 n41 HPUE         | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Front       | 5mm | Ant 2 | ECI 7 | 518598      | 2592.99     | 17.17 | 17.50 | 1.079 | -    | -     | -0.15 | 0.041 | 0.044 |
|                | FR1 n41 HPUE         | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Front       | 5mm | Ant 2 | ECI 7 | 518598      | 2592.99     | 17.12 | 17.50 | 1.091 | -    | -     | -0.15 | 0.050 | 0.055 |
|                | FR1 n41 HPUE         | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Back        | 5mm | Ant 2 | ECI 7 | 518598      | 2592.99     | 17.17 | 17.50 | 1.079 | -    | -     | -0.06 | 0.549 | 0.592 |
|                | FR1 n41 HPUE         | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Back        | 5mm | Ant 2 | ECI 7 | 518598      | 2592.99     | 17.12 | 17.50 | 1.091 | -    | -     | -0.08 | 0.492 | 0.537 |
|                | FR1 n41 HPUE         | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Left Side   | 5mm | Ant 2 | ECI 7 | 518598      | 2592.99     | 17.17 | 17.50 | 1.079 | -    | -     | -0.08 | 0.145 | 0.156 |
|                | FR1 n41 HPUE         | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Left Side   | 5mm | Ant 2 | ECI 7 | 518598      | 2592.99     | 17.12 | 17.50 | 1.091 | -    | -     | -0.04 | 0.151 | 0.165 |
|                | FR1 n41 HPUE         | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Top Side    | 5mm | Ant 2 | ECI 7 | 518598      | 2592.99     | 17.17 | 17.50 | 1.079 | -    | -     | -0.08 | 0.031 | 0.033 |
|                | FR1 n41 HPUE         | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Top Side    | 5mm | Ant 2 | ECI 7 | 518598      | 2592.99     | 17.12 | 17.50 | 1.091 | -    | -     | 0.17  | 0.029 | 0.032 |
|                | FR1 n41 HPUE         | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Front       | 5mm | Ant 7 | ECI 7 | 518598      | 2592.99     | 17.43 | 18.00 | 1.140 | -    | -     | -0.13 | 0.194 | 0.221 |
|                | FR1 n41 HPUE         | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Front       | 5mm | Ant 7 | ECI 7 | 518598      | 2592.99     | 17.40 | 18.00 | 1.148 | -    | -     | -0.13 | 0.196 | 0.225 |
|                | FR1 n41 HPUE         | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Back        | 5mm | Ant 7 | ECI 7 | 518598      | 2592.99     | 17.43 | 18.00 | 1.140 | -    | -     | -0.03 | 0.436 | 0.497 |
|                | FR1 n41 HPUE         | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Back        | 5mm | Ant 7 | ECI 7 | 518598      | 2592.99     | 17.40 | 18.00 | 1.148 | -    | -     | -0.03 | 0.555 | 0.637 |
|                | FR1 n41 HPUE         | 100M | QPSK | 270 | 0   | DFT-SCS-30KHz | Back        | 5mm | Ant 7 | ECI 7 | 518598      | 2592.99     | 17.33 | 18.00 | 1.167 | -    | -     | -0.08 | 0.467 | 0.545 |
|                | FR1 n41 HPUE         | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Right Side  | 5mm | Ant 7 | ECI 7 | 518598      | 2592.99     | 17.43 | 18.00 | 1.140 | -    | -     | -0.07 | 0.398 | 0.454 |
|                | FR1 n41 HPUE         | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Right Side  | 5mm | Ant 7 | ECI 7 | 518598      | 2592.99     | 17.40 | 18.00 | 1.148 | -    | -     | 0.05  | 0.375 | 0.431 |
|                | FR1 n41 HPUE         | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Top Side    | 5mm | Ant 7 | ECI 7 | 518598      | 2592.99     | 17.43 | 18.00 | 1.140 | -    | -     | -0.12 | 0.071 | 0.081 |
|                | FR1 n41 HPUE         | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Top Side    | 5mm | Ant 7 | ECI 7 | 518598      | 2592.99     | 17.40 | 18.00 | 1.148 | -    | -     | 0.03  | 0.085 | 0.098 |
| <b>3500MHz</b> |                      |      |      |     |     |               |             |     |       |       |             |             |       |       |       |      |       |       |       |       |
|                | LTE Band 48          | 20M  | QPSK | 1   | 0   | -             | Front       | 5mm | Ant 5 | ECI 7 | 55830       | 3609        | 13.55 | 15.00 | 1.396 | 62.9 | 1.006 | -0.17 | 0.170 | 0.239 |
|                | LTE Band 48          | 20M  | QPSK | 50  | 0   | -             | Front       | 5mm | Ant 5 | ECI 7 | 55830       | 3609        | 13.50 | 15.00 | 1.413 | 62.9 | 1.006 | -0.04 | 0.147 | 0.209 |
|                | LTE Band 48          | 20M  | QPSK | 1   | 0   | -             | Back        | 5mm | Ant 5 | ECI 7 | 55830       | 3609        | 13.55 | 15.00 | 1.396 | 62.9 | 1.006 | -0.09 | 0.434 | 0.610 |
|                | LTE Band 48          | 20M  | QPSK | 1   | 0   | -             | Back        | 5mm | Ant 5 | ECI 7 | 55340       | 3560        | 13.39 | 15.00 | 1.449 | 62.9 | 1.006 | 0.05  | 0.375 | 0.547 |
|                | LTE Band 48          | 20M  | QPSK | 1   | 0   | -             | Back        | 5mm | Ant 5 | ECI 7 | 56150       | 3641        | 13.48 | 15.00 | 1.419 | 62.9 | 1.006 | 0.02  | 0.470 | 0.671 |
| 61             | LTE Band 48          | 20M  | QPSK | 1   | 0   | -             | Back        | 5mm | Ant 5 | ECI 7 | 56640       | 3690        | 13.44 | 15.00 | 1.432 | 62.9 | 1.006 | -0.13 | 0.479 | 0.690 |
|                | LTE Band 48C         | 20M  | QPSK | 1   | 0   | -             | Back        | 5mm | Ant 5 | ECI 7 | 56640+56442 | 3690+3670.2 | 13.53 | 15.00 | 1.403 | 62.9 | 1.006 | 0.07  | 0.451 | 0.636 |
|                | LTE Band 48          | 20M  | QPSK | 50  | 0   | -             | Back        | 5mm | Ant 5 | ECI 7 | 55830       | 3609        | 13.50 | 15.00 | 1.413 | 62.9 | 1.006 | 0.06  | 0.280 | 0.398 |
|                | LTE Band 48          | 20M  | QPSK | 100 | 0   | -             | Back        | 5mm | Ant 5 | ECI 7 | 55830       | 3609        | 13.44 | 15.00 | 1.432 | 62.9 | 1.006 | 0.11  | 0.368 | 0.530 |
|                | LTE Band 48          | 20M  | QPSK | 1   | 0   | -             | Left Side   | 5mm | Ant 5 | ECI 7 | 55830       | 3609        | 13.55 | 15.00 | 1.396 | 62.9 | 1.006 | -0.02 | 0.022 | 0.031 |
|                | LTE Band 48          | 20M  | QPSK | 50  | 0   | -             | Left Side   | 5mm | Ant 5 | ECI 7 | 55830       | 3609        | 13.50 | 15.00 | 1.413 | 62.9 | 1.006 | 0.1   | 0.017 | 0.024 |
|                | LTE Band 48          | 20M  | QPSK | 1   | 0   | -             | Right Side  | 5mm | Ant 5 | ECI 7 | 55830       | 3609        | 13.55 | 15.00 | 1.396 | 62.9 | 1.006 | 0.04  | 0.104 | 0.146 |
|                | LTE Band 48          | 20M  | QPSK | 50  | 0   | -             | Right Side  | 5mm | Ant 5 | ECI 7 | 55830       | 3609        | 13.50 | 15.00 | 1.413 | 62.9 | 1.006 | -0.16 | 0.090 | 0.128 |
|                | LTE Band 48          | 20M  | QPSK | 1   | 0   | -             | Top Side    | 5mm | Ant 5 | ECI 7 | 55830       | 3609        | 13.55 | 15.00 | 1.396 | 62.9 | 1.006 | 0.01  | 0.233 | 0.327 |
|                | LTE Band 48          | 20M  | QPSK | 50  | 0   | -             | Top Side    | 5mm | Ant 5 | ECI 7 | 55830       | 3609        | 13.50 | 15.00 | 1.413 | 62.9 | 1.006 | -0.16 | 0.202 | 0.287 |
|                | FR1 n48              | 40M  | QPSK | 1   | 53  | DFT-SCS-30KHz | Front       | 5mm | Ant 5 | ECI 7 | 641666      | 3624.99     | 11.65 | 13.00 | 1.365 | -    | -     | 0.17  | 0.16  | 0.217 |
|                | FR1 n48              | 40M  | QPSK | 50  | 28  | DFT-SCS-30KHz | Front       | 5mm | Ant 5 | ECI 7 | 641666      | 3624.99     | 11.63 | 13.00 | 1.371 | -    | -     | -0.15 | 0.19  | 0.258 |
|                | FR1 n48              | 40M  | QPSK | 1   | 53  | DFT-SCS-30KHz | Back        | 5mm | Ant 5 | ECI 7 | 641666      | 3624.99     | 11.65 | 13.00 | 1.365 | -    | -     | 0.05  | 0.44  | 0.605 |
| 62             | FR1 n48              | 40M  | QPSK | 50  | 28  | DFT-SCS-30KHz | Back        | 5mm | Ant 5 | ECI 7 | 641666      | 3624.99     | 11.63 | 13.00 | 1.371 | -    | -     | 0.04  | 0.517 | 0.709 |
|                | FR1 n48              | 40M  | QPSK | 100 | 0   | DFT-SCS-30KHz | Back        | 5mm | Ant 5 | ECI 7 | 641666      | 3624.99     | 11.60 | 13.00 | 1.380 | -    | -     | -0.06 | 0.43  | 0.589 |
|                | FR1 n48              | 40M  | QPSK | 1   | 53  | DFT-SCS-30KHz | Left Side   | 5mm | Ant 5 | ECI 7 | 641666      | 3624.99     | 11.65 | 13.00 | 1.365 | -    | -     | -0.13 | 0.03  | 0.034 |
|                | FR1 n48              | 40M  | QPSK | 50  | 28  | DFT-SCS-30KHz | Left Side   | 5mm | Ant 5 | ECI 7 | 641666      | 3624.99     | 11.63 | 13.00 | 1.371 | -    | -     | -0.01 | 0.03  | 0.040 |
|                | FR1 n48              | 40M  | QPSK | 1   | 53  | DFT-SCS-30KHz | Right Side  | 5mm | Ant 5 | ECI 7 | 641666      | 3624.99     | 11.65 | 13.00 | 1.365 | -    | -     | -0.11 | 0.12  | 0.169 |
|                | FR1 n48              | 40M  | QPSK | 50  | 28  | DFT-SCS-30KHz | Right Side  | 5mm | Ant 5 | ECI 7 | 641666      | 3624.99     | 11.63 | 13.00 | 1.371 | -    | -     | 0.19  | 0.17  | 0.229 |
|                | FR1 n48              | 40M  | QPSK | 1   | 53  | DFT-SCS-30KHz | Top Side    | 5mm | Ant 5 | ECI 7 | 641666      | 3624.99     | 11.65 | 13.00 | 1.365 | -    | -     | -0.18 | 0.27  | 0.363 |
|                | FR1 n48              | 40M  | QPSK | 50  | 28  | DFT-SCS-30KHz | Top Side    | 5mm | Ant 5 | ECI 7 | 641666      | 3624.99     | 11.63 | 13.00 | 1.371 | -    | -     | -0.06 | 0.32  | 0.435 |
|                | FR1 n48              | 40M  | QPSK | 100 | 0   | DFT-SCS-30KHz | Top Side    | 5mm | Ant 5 | ECI 7 | 641666      | 3624.99     | 11.60 | 13.00 | 1.380 | -    | -     | 0.02  | 0.27  | 0.367 |
|                | FR1 n77(78) Part 270 | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Front       | 5mm | Ant 5 | ECI 7 | 656000      | 3840        | 14.13 | 15.00 | 1.222 | -    | -     | -0.13 | 0.079 | 0.097 |



**FCC SAR Test Report**

**Report No. : FA391202**

|                           |      |      |     |     |               |             |     |       |       |        |         |       |       |       |   |   |       |       |       |
|---------------------------|------|------|-----|-----|---------------|-------------|-----|-------|-------|--------|---------|-------|-------|-------|---|---|-------|-------|-------|
| FR1 n77(78) Part 270      | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Front       | 5mm | Ant 5 | ECl 7 | 656000 | 3840    | 14.05 | 15.00 | 1.245 | - | - | -0.13 | 0.093 | 0.116 |
| FR1 n77(78) Part 270      | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Back        | 5mm | Ant 5 | ECl 7 | 656000 | 3840    | 14.13 | 15.00 | 1.222 | - | - | -0.03 | 0.211 | 0.258 |
| FR1 n77(78) Part 270      | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Back        | 5mm | Ant 5 | ECl 7 | 656000 | 3840    | 14.05 | 15.00 | 1.245 | - | - | 0.09  | 0.256 | 0.319 |
| FR1 n77(78) Part 270 ENDC | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Back        | 5mm | Ant 5 | ECl 7 | 656000 | 3840    | 10.94 | 12.00 | 1.276 | - | - | 0.02  | 0.135 | 0.172 |
| FR1 n77(78) Part 270      | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Left Side   | 5mm | Ant 5 | ECl 7 | 656000 | 3840    | 14.13 | 15.00 | 1.222 | - | - | 0.08  | 0.016 | 0.020 |
| FR1 n77(78) Part 270      | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Left Side   | 5mm | Ant 5 | ECl 7 | 656000 | 3840    | 14.05 | 15.00 | 1.245 | - | - | -0.07 | 0.022 | 0.027 |
| FR1 n77(78) Part 270      | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Right Side  | 5mm | Ant 5 | ECl 7 | 656000 | 3840    | 14.13 | 15.00 | 1.222 | - | - | 0.05  | 0.075 | 0.092 |
| FR1 n77(78) Part 270      | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Right Side  | 5mm | Ant 5 | ECl 7 | 656000 | 3840    | 14.05 | 15.00 | 1.245 | - | - | -0.11 | 0.074 | 0.092 |
| FR1 n77(78) Part 270      | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Top Side    | 5mm | Ant 5 | ECl 7 | 656000 | 3840    | 14.13 | 15.00 | 1.222 | - | - | 0.03  | 0.148 | 0.181 |
| FR1 n77(78) Part 270      | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Top Side    | 5mm | Ant 5 | ECl 7 | 656000 | 3840    | 14.05 | 15.00 | 1.245 | - | - | -0.16 | 0.170 | 0.212 |
| FR1 n77(78) Part 27Q      | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Front       | 5mm | Ant 5 | ECl 7 | 633334 | 3500.01 | 14.07 | 15.00 | 1.239 | - | - | 0.05  | 0.174 | 0.216 |
| FR1 n77(78) Part 27Q      | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Front       | 5mm | Ant 5 | ECl 7 | 633334 | 3500.01 | 14.04 | 15.00 | 1.247 | - | - | 0.05  | 0.229 | 0.286 |
| FR1 n77(78) Part 27Q      | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Back        | 5mm | Ant 5 | ECl 7 | 633334 | 3500.01 | 14.07 | 15.00 | 1.239 | - | - | -0.15 | 0.375 | 0.465 |
| FR1 n77(78) Part 27Q      | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Back        | 5mm | Ant 5 | ECl 7 | 633334 | 3500.01 | 14.04 | 15.00 | 1.247 | - | - | 0.02  | 0.497 | 0.620 |
| FR1 n77(78) Part 27Q ENDC | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Back        | 5mm | Ant 5 | ECl 7 | 633334 | 3500.01 | 10.91 | 12.00 | 1.285 | - | - | 0.06  | 0.245 | 0.315 |
| FR1 n77(78) Part 27Q      | 100M | QPSK | 270 | 0   | DFT-SCS-30KHz | Back        | 5mm | Ant 5 | ECl 7 | 633334 | 3500.01 | 14.02 | 15.00 | 1.253 | - | - | 0.07  | 0.493 | 0.618 |
| FR1 n77(78) Part 27Q      | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Left Side   | 5mm | Ant 5 | ECl 7 | 633334 | 3500.01 | 14.07 | 15.00 | 1.239 | - | - | 0.16  | 0.021 | 0.026 |
| FR1 n77(78) Part 27Q      | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Left Side   | 5mm | Ant 5 | ECl 7 | 633334 | 3500.01 | 14.04 | 15.00 | 1.247 | - | - | 0.13  | 0.028 | 0.035 |
| FR1 n77(78) Part 27Q      | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Right Side  | 5mm | Ant 5 | ECl 7 | 633334 | 3500.01 | 14.07 | 15.00 | 1.239 | - | - | -0.18 | 0.080 | 0.100 |
| FR1 n77(78) Part 27Q      | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Right Side  | 5mm | Ant 5 | ECl 7 | 633334 | 3500.01 | 14.04 | 15.00 | 1.247 | - | - | 0.02  | 0.108 | 0.135 |
| FR1 n77(78) Part 27Q      | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Top Side    | 5mm | Ant 5 | ECl 7 | 633334 | 3500.01 | 14.07 | 15.00 | 1.239 | - | - | -0.03 | 0.221 | 0.274 |
| FR1 n77(78) Part 27Q      | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Top Side    | 5mm | Ant 5 | ECl 7 | 633334 | 3500.01 | 14.04 | 15.00 | 1.247 | - | - | 0.07  | 0.284 | 0.354 |
| FR1 n77(78) Part 270      | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Front       | 5mm | Ant 1 | ECl 7 | 656000 | 3840    | 20.78 | 21.00 | 1.052 | - | - | 0.08  | 0.100 | 0.105 |
| FR1 n77(78) Part 270      | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Front       | 5mm | Ant 1 | ECl 7 | 656000 | 3840    | 20.74 | 21.00 | 1.062 | - | - | 0.01  | 0.130 | 0.138 |
| FR1 n77(78) Part 270      | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Back        | 5mm | Ant 1 | ECl 7 | 656000 | 3840    | 20.78 | 21.00 | 1.052 | - | - | 0.03  | 0.281 | 0.296 |
| FR1 n77(78) Part 270      | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Back        | 5mm | Ant 1 | ECl 7 | 656000 | 3840    | 20.74 | 21.00 | 1.062 | - | - | 0.06  | 0.347 | 0.368 |
| FR1 n77(78) Part 270      | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Left Side   | 5mm | Ant 1 | ECl 7 | 656000 | 3840    | 20.78 | 21.00 | 1.052 | - | - | -0.08 | 0.132 | 0.139 |
| FR1 n77(78) Part 270      | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Left Side   | 5mm | Ant 1 | ECl 7 | 656000 | 3840    | 20.74 | 21.00 | 1.062 | - | - | 0.1   | 0.155 | 0.165 |
| FR1 n77(78) Part 270      | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Bottom Side | 5mm | Ant 1 | ECl 7 | 656000 | 3840    | 20.78 | 21.00 | 1.052 | - | - | -0.18 | 0.128 | 0.135 |
| FR1 n77(78) Part 270      | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Bottom Side | 5mm | Ant 1 | ECl 7 | 656000 | 3840    | 20.74 | 21.00 | 1.062 | - | - | 0.1   | 0.147 | 0.156 |
| FR1 n77(78) Part 27Q      | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Front       | 5mm | Ant 1 | ECl 7 | 633334 | 3500.01 | 20.89 | 21.00 | 1.026 | - | - | -0.17 | 0.203 | 0.208 |
| FR1 n77(78) Part 27Q      | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Front       | 5mm | Ant 1 | ECl 7 | 633334 | 3500.01 | 20.82 | 21.00 | 1.042 | - | - | -0.03 | 0.251 | 0.262 |
| FR1 n77(78) Part 27Q      | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Back        | 5mm | Ant 1 | ECl 7 | 633334 | 3500.01 | 20.89 | 21.00 | 1.026 | - | - | 0.14  | 0.400 | 0.410 |
| FR1 n77(78) Part 27Q      | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Back        | 5mm | Ant 1 | ECl 7 | 633334 | 3500.01 | 20.82 | 21.00 | 1.042 | - | - | 0.03  | 0.548 | 0.571 |
| FR1 n77(78) Part 27Q      | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Left Side   | 5mm | Ant 1 | ECl 7 | 633334 | 3500.01 | 20.89 | 21.00 | 1.026 | - | - | -0.05 | 0.164 | 0.168 |
| FR1 n77(78) Part 27Q      | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Left Side   | 5mm | Ant 1 | ECl 7 | 633334 | 3500.01 | 20.82 | 21.00 | 1.042 | - | - | 0.18  | 0.270 | 0.281 |
| FR1 n77(78) Part 27Q      | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Bottom Side | 5mm | Ant 1 | ECl 7 | 633334 | 3500.01 | 20.89 | 21.00 | 1.026 | - | - | 0.14  | 0.186 | 0.191 |
| FR1 n77(78) Part 27Q      | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Bottom Side | 5mm | Ant 1 | ECl 7 | 633334 | 3500.01 | 20.82 | 21.00 | 1.042 | - | - | -0.17 | 0.205 | 0.214 |
| FR1 n77(78) Part 270      | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Front       | 5mm | Ant 8 | ECl 7 | 656000 | 3840    | 14.41 | 15.50 | 1.285 | - | - | -0.01 | 0.042 | 0.054 |
| FR1 n77(78) Part 270      | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Front       | 5mm | Ant 8 | ECl 7 | 656000 | 3840    | 14.37 | 15.50 | 1.297 | - | - | -0.08 | 0.047 | 0.061 |
| FR1 n77(78) Part 270      | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Back        | 5mm | Ant 8 | ECl 7 | 656000 | 3840    | 14.41 | 15.50 | 1.285 | - | - | 0.05  | 0.442 | 0.568 |
| FR1 n77(78) Part 270      | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Back        | 5mm | Ant 8 | ECl 7 | 656000 | 3840    | 14.37 | 15.50 | 1.297 | - | - | 0.05  | 0.451 | 0.585 |
| FR1 n77(78) Part 270      | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Right Side  | 5mm | Ant 8 | ECl 7 | 656000 | 3840    | 14.41 | 15.50 | 1.285 | - | - | -0.09 | 0.161 | 0.207 |
| FR1 n77(78) Part 270      | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Right Side  | 5mm | Ant 8 | ECl 7 | 656000 | 3840    | 14.37 | 15.50 | 1.297 | - | - | -0.08 | 0.177 | 0.230 |
| FR1 n77(78) Part 270      | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Top Side    | 5mm | Ant 8 | ECl 7 | 656000 | 3840    | 14.41 | 15.50 | 1.285 | - | - | 0.12  | 0.049 | 0.063 |
| FR1 n77(78) Part 270      | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Top Side    | 5mm | Ant 8 | ECl 7 | 656000 | 3840    | 14.37 | 15.50 | 1.297 | - | - | 0.03  | 0.054 | 0.070 |
| FR1 n77(78) Part 27Q      | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Front       | 5mm | Ant 8 | ECl 7 | 633334 | 3500.01 | 14.45 | 15.50 | 1.274 | - | - | 0.08  | 0.016 | 0.020 |
| FR1 n77(78) Part 27Q      | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Front       | 5mm | Ant 8 | ECl 7 | 633334 | 3500.01 | 14.40 | 15.50 | 1.288 | - | - | 0.01  | 0.023 | 0.030 |
| FR1 n77(78) Part 27Q      | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Back        | 5mm | Ant 8 | ECl 7 | 633334 | 3500.01 | 14.45 | 15.50 | 1.274 | - | - | 0.03  | 0.175 | 0.223 |
| FR1 n77(78) Part 27Q      | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Back        | 5mm | Ant 8 | ECl 7 | 633334 | 3500.01 | 14.40 | 15.50 | 1.288 | - | - | 0.06  | 0.281 | 0.362 |
| FR1 n77(78) Part 27Q      | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Right Side  | 5mm | Ant 8 | ECl 7 | 633334 | 3500.01 | 14.45 | 15.50 | 1.274 | - | - | 0.1   | 0.063 | 0.080 |
| FR1 n77(78) Part 27Q      | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Right Side  | 5mm | Ant 8 | ECl 7 | 633334 | 3500.01 | 14.40 | 15.50 | 1.288 | - | - | -0.18 | 0.093 | 0.120 |
| FR1 n77(78) Part 27Q      | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Top Side    | 5mm | Ant 8 | ECl 7 | 633334 | 3500.01 | 14.45 | 15.50 | 1.274 | - | - | 0.12  | 0.010 | 0.013 |
| FR1 n77(78) Part 27Q      | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Top Side    | 5mm | Ant 8 | ECl 7 | 633334 | 3500.01 | 14.40 | 15.50 | 1.288 | - | - | 0.08  | 0.019 | 0.024 |
| FR1 n77(78) Part 270      | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Front       | 5mm | Ant 2 | ECl 7 | 656000 | 3840    | 11.44 | 12.00 | 1.138 | - | - | 0.08  | 0.011 | 0.013 |
| FR1 n77(78) Part 270      | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Front       | 5mm | Ant 2 | ECl 7 | 656000 | 3840    | 11.42 | 12.00 | 1.143 | - | - | -0.07 | 0.011 | 0.013 |



**FCC SAR Test Report**

**Report No. : FA391202**

|    |                      |      |      |     |     |               |           |     |       |       |        |         |       |       |       |   |   |       |       |              |
|----|----------------------|------|------|-----|-----|---------------|-----------|-----|-------|-------|--------|---------|-------|-------|-------|---|---|-------|-------|--------------|
|    | FR1 n77(78) Part 27O | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Back      | 5mm | Ant 2 | ECI 7 | 656000 | 3840    | 11.44 | 12.00 | 1.138 | - | - | 0.05  | 0.346 | 0.394        |
| 63 | FR1 n77(78) Part 27O | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Back      | 5mm | Ant 2 | ECI 7 | 656000 | 3840    | 11.42 | 12.00 | 1.143 | - | - | 0.06  | 0.547 | <b>0.625</b> |
|    | FR1 n77(78) Part 27O | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Left Side | 5mm | Ant 2 | ECI 7 | 656000 | 3840    | 11.44 | 12.00 | 1.138 | - | - | -0.12 | 0.096 | 0.109        |
|    | FR1 n77(78) Part 27O | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Left Side | 5mm | Ant 2 | ECI 7 | 656000 | 3840    | 11.42 | 12.00 | 1.143 | - | - | 0.03  | 0.130 | 0.149        |
|    | FR1 n77(78) Part 27O | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Top Side  | 5mm | Ant 2 | ECI 7 | 656000 | 3840    | 11.44 | 12.00 | 1.138 | - | - | -0.02 | 0.010 | 0.011        |
|    | FR1 n77(78) Part 27O | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Top Side  | 5mm | Ant 2 | ECI 7 | 656000 | 3840    | 11.42 | 12.00 | 1.143 | - | - | 0.15  | 0.010 | 0.011        |
|    | FR1 n77(78) Part 27Q | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Front     | 5mm | Ant 2 | ECI 7 | 633334 | 3500.01 | 11.02 | 12.00 | 1.253 | - | - | 0.03  | 0.023 | 0.029        |
|    | FR1 n77(78) Part 27Q | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Front     | 5mm | Ant 2 | ECI 7 | 633334 | 3500.01 | 11.01 | 12.00 | 1.256 | - | - | 0.18  | 0.038 | 0.048        |
|    | FR1 n77(78) Part 27Q | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Back      | 5mm | Ant 2 | ECI 7 | 633334 | 3500.01 | 11.02 | 12.00 | 1.253 | - | - | 0.16  | 0.164 | 0.206        |
|    | FR1 n77(78) Part 27Q | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Back      | 5mm | Ant 2 | ECI 7 | 633334 | 3500.01 | 11.01 | 12.00 | 1.256 | - | - | -0.1  | 0.242 | 0.304        |
|    | FR1 n77(78) Part 27Q | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Left Side | 5mm | Ant 2 | ECI 7 | 633334 | 3500.01 | 11.02 | 12.00 | 1.253 | - | - | 0.18  | 0.073 | 0.091        |
|    | FR1 n77(78) Part 27Q | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Left Side | 5mm | Ant 2 | ECI 7 | 633334 | 3500.01 | 11.01 | 12.00 | 1.256 | - | - | -0.1  | 0.127 | 0.160        |
|    | FR1 n77(78) Part 27Q | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Top Side  | 5mm | Ant 2 | ECI 7 | 633334 | 3500.01 | 11.02 | 12.00 | 1.253 | - | - | 0.01  | 0.021 | 0.026        |
|    | FR1 n77(78) Part 27Q | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Top Side  | 5mm | Ant 2 | ECI 7 | 633334 | 3500.01 | 11.01 | 12.00 | 1.256 | - | - | -0.15 | 0.029 | 0.036        |



| Plot No.       | Band       | Mode                | Test Position | Gap (mm) | Antenna | Power State  | Ch. | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Duty Cycle % | Duty Cycle Scaling Factor | Power Drift (dB) | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) |
|----------------|------------|---------------------|---------------|----------|---------|--------------|-----|-------------|---------------------|---------------------|------------------------|--------------|---------------------------|------------------|------------------------|------------------------|
| <b>BT/WLAN</b> |            |                     |               |          |         |              |     |             |                     |                     |                        |              |                           |                  |                        |                        |
|                | WLAN2.4GHz | 802.11b 1Mbps       | Front         | 5mm      | Ant 6   | Simultaneous | 11  | 2462        | 16.98               | 18.50               | 1.419                  | 99.14        | 1.009                     | -0.18            | 0.197                  | 0.282                  |
| 64             | WLAN2.4GHz | 802.11b 1Mbps       | Back          | 5mm      | Ant 6   | Simultaneous | 11  | 2462        | 16.98               | 18.50               | 1.419                  | 99.14        | 1.009                     | -0.15            | 0.484                  | <b>0.693</b>           |
|                | WLAN2.4GHz | 802.11b 1Mbps       | Left Side     | 5mm      | Ant 6   | Simultaneous | 11  | 2462        | 16.98               | 18.50               | 1.419                  | 99.14        | 1.009                     | 0.1              | 0.031                  | 0.044                  |
|                | WLAN2.4GHz | 802.11b 1Mbps       | Right Side    | 5mm      | Ant 6   | Simultaneous | 11  | 2462        | 16.98               | 18.50               | 1.419                  | 99.14        | 1.009                     | 0.12             | 0.162                  | 0.232                  |
|                | WLAN2.4GHz | 802.11b 1Mbps       | Top Side      | 5mm      | Ant 6   | Simultaneous | 11  | 2462        | 16.98               | 18.50               | 1.419                  | 99.14        | 1.009                     | 0.08             | 0.280                  | 0.401                  |
|                | WLAN2.4GHz | 802.11b 1Mbps       | Bottom Side   | 5mm      | Ant 6   | Simultaneous | 11  | 2462        | 16.98               | 18.50               | 1.419                  | 99.14        | 1.009                     | -0.17            | 0.020                  | 0.029                  |
|                | Bluetooth  | 1Mbps               | Front         | 5mm      | Ant 6   | Full Power   | 39  | 2441        | 12.46               | 13.00               | 1.132                  | 76.74        | 1.085                     | 0.16             | 0.048                  | 0.059                  |
| 65             | Bluetooth  | 1Mbps               | Back          | 5mm      | Ant 6   | Full Power   | 39  | 2441        | 12.46               | 13.00               | 1.132                  | 76.74        | 1.085                     | 0.06             | 0.093                  | <b>0.114</b>           |
|                | Bluetooth  | 1Mbps               | Left Side     | 5mm      | Ant 6   | Full Power   | 39  | 2441        | 12.46               | 13.00               | 1.132                  | 76.74        | 1.085                     | -0.1             | 0.013                  | 0.016                  |
|                | Bluetooth  | 1Mbps               | Right Side    | 5mm      | Ant 6   | Full Power   | 39  | 2441        | 12.46               | 13.00               | 1.132                  | 76.74        | 1.085                     | 0.07             | 0.041                  | 0.050                  |
|                | Bluetooth  | 1Mbps               | Top Side      | 5mm      | Ant 6   | Full Power   | 39  | 2441        | 12.46               | 13.00               | 1.132                  | 76.74        | 1.085                     | 0.18             | 0.053                  | 0.065                  |
|                | Bluetooth  | 1Mbps               | Bottom Side   | 5mm      | Ant 6   | Full Power   | 39  | 2441        | 12.46               | 13.00               | 1.132                  | 76.74        | 1.085                     | -0.1             | 0.013                  | 0.016                  |
|                | WLAN5.2GHz | 802.11ac-VHT80 MCS0 | Front         | 5mm      | Ant 6   | Simultaneous | 42  | 5210        | 10.35               | 12.00               | 1.462                  | 88.14        | 1.135                     | 0.08             | 0.044                  | 0.073                  |
| 66             | WLAN5.2GHz | 802.11ac-VHT80 MCS0 | Back          | 5mm      | Ant 6   | Simultaneous | 42  | 5210        | 10.35               | 12.00               | 1.462                  | 88.14        | 1.135                     | 0.01             | 0.390                  | <b>0.647</b>           |
|                | WLAN5.2GHz | 802.11ac-VHT80 MCS0 | Left Side     | 5mm      | Ant 6   | Simultaneous | 42  | 5210        | 10.35               | 12.00               | 1.462                  | 88.14        | 1.135                     | 0.03             | 0.007                  | 0.012                  |
|                | WLAN5.2GHz | 802.11ac-VHT80 MCS0 | Right Side    | 5mm      | Ant 6   | Simultaneous | 42  | 5210        | 10.35               | 12.00               | 1.462                  | 88.14        | 1.135                     | -0.08            | 0.151                  | 0.251                  |
|                | WLAN5.2GHz | 802.11ac-VHT80 MCS0 | Top Side      | 5mm      | Ant 6   | Simultaneous | 42  | 5210        | 10.35               | 12.00               | 1.462                  | 88.14        | 1.135                     | -0.08            | 0.186                  | 0.309                  |
|                | WLAN5.2GHz | 802.11ac-VHT80 MCS0 | Bottom Side   | 5mm      | Ant 6   | Simultaneous | 42  | 5210        | 10.35               | 12.00               | 1.462                  | 88.14        | 1.135                     | 0.1              | 0.009                  | 0.015                  |
|                | WLAN5.8GHz | 802.11ac-VHT80 MCS0 | Front         | 5mm      | Ant 6   | Simultaneous | 155 | 5775        | 11.75               | 13.00               | 1.334                  | 88.14        | 1.135                     | 0.08             | 0.067                  | 0.101                  |
| 67             | WLAN5.8GHz | 802.11ac-VHT80 MCS0 | Back          | 5mm      | Ant 6   | Simultaneous | 155 | 5775        | 11.75               | 13.00               | 1.334                  | 88.14        | 1.135                     | -0.07            | 0.452                  | <b>0.684</b>           |
|                | WLAN5.8GHz | 802.11ac-VHT80 MCS0 | Left Side     | 5mm      | Ant 6   | Simultaneous | 155 | 5775        | 11.75               | 13.00               | 1.334                  | 88.14        | 1.135                     | -0.11            | 0.015                  | 0.023                  |
|                | WLAN5.8GHz | 802.11ac-VHT80 MCS0 | Right Side    | 5mm      | Ant 6   | Simultaneous | 155 | 5775        | 11.75               | 13.00               | 1.334                  | 88.14        | 1.135                     | -0.12            | 0.121                  | 0.183                  |
|                | WLAN5.8GHz | 802.11ac-VHT80 MCS0 | Top Side      | 5mm      | Ant 6   | Simultaneous | 155 | 5775        | 11.75               | 13.00               | 1.334                  | 88.14        | 1.135                     | 0.03             | 0.169                  | 0.256                  |
|                | WLAN5.8GHz | 802.11ac-VHT80 MCS0 | Bottom Side   | 5mm      | Ant 6   | Simultaneous | 155 | 5775        | 11.75               | 13.00               | 1.334                  | 88.14        | 1.135                     | -0.16            | 0.015                  | 0.023                  |



15.3 Body Worn Accessory SAR

| Plot No.      | Band        | BW (MHz) | Modulation | RB Size | RB offset | Mode          | Test Position | Gap (mm) | Antenna | Headset | Power State | Ch.    | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Duty Cycle % | Duty Cycle Scaling Factor | Power Drift (dB) | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) |
|---------------|-------------|----------|------------|---------|-----------|---------------|---------------|----------|---------|---------|-------------|--------|-------------|---------------------|---------------------|------------------------|--------------|---------------------------|------------------|------------------------|------------------------|
| <b>750MHz</b> |             |          |            |         |           |               |               |          |         |         |             |        |             |                     |                     |                        |              |                           |                  |                        |                        |
|               | LTE Band 71 | 20M      | QPSK       | 1       | 0         | -             | Front         | 5mm      | Ant 0   | -       | ECI 3       | 133322 | 683         | 22.62               | 24.00               | 1.374                  | -            | -                         | -0.03            | 0.215                  | 0.295                  |
|               | LTE Band 71 | 20M      | QPSK       | 50      | 0         | -             | Front         | 5mm      | Ant 0   | -       | ECI 3       | 133322 | 683         | 21.88               | 23.00               | 1.294                  | -            | -                         | 0.12             | 0.193                  | 0.250                  |
|               | LTE Band 71 | 20M      | QPSK       | 1       | 0         | -             | Back          | 5mm      | Ant 0   | -       | ECI 3       | 133322 | 683         | 22.62               | 24.00               | 1.374                  | -            | -                         | 0.19             | 0.424                  | 0.583                  |
|               | LTE Band 71 | 20M      | QPSK       | 50      | 0         | -             | Back          | 5mm      | Ant 0   | -       | ECI 3       | 133322 | 683         | 21.88               | 23.00               | 1.294                  | -            | -                         | -0.09            | 0.300                  | 0.388                  |
|               | LTE Band 71 | 20M      | QPSK       | 1       | 0         | -             | Front         | 5mm      | Ant 4   | -       | ECI 3       | 133322 | 683         | 22.54               | 23.00               | 1.112                  | -            | -                         | 0.11             | 0.276                  | 0.307                  |
|               | LTE Band 71 | 20M      | QPSK       | 50      | 0         | -             | Front         | 5mm      | Ant 4   | -       | ECI 3       | 133322 | 683         | 21.77               | 22.00               | 1.054                  | -            | -                         | -0.17            | 0.222                  | 0.234                  |
| 68            | LTE Band 71 | 20M      | QPSK       | 1       | 0         | -             | Back          | 5mm      | Ant 4   | -       | ECI 3       | 133322 | 683         | 22.54               | 23.00               | 1.112                  | -            | -                         | 0.01             | 0.915                  | <b>1.017</b>           |
|               | LTE Band 71 | 20M      | QPSK       | 50      | 0         | -             | Back          | 5mm      | Ant 4   | -       | ECI 3       | 133322 | 683         | 21.77               | 22.00               | 1.054                  | -            | -                         | 0.1              | 0.646                  | 0.681                  |
|               | LTE Band 71 | 20M      | QPSK       | 100     | 0         | -             | Back          | 5mm      | Ant 4   | -       | ECI 3       | 133322 | 683         | 21.67               | 22.00               | 1.079                  | -            | -                         | 0.11             | 0.532                  | 0.574                  |
|               | LTE Band 12 | 10M      | QPSK       | 1       | 0         | -             | Front         | 5mm      | Ant 0   | -       | ECI 3       | 23095  | 707.5       | 22.72               | 24.00               | 1.343                  | -            | -                         | 0.12             | 0.468                  | 0.628                  |
|               | LTE Band 12 | 10M      | QPSK       | 25      | 0         | -             | Front         | 5mm      | Ant 0   | -       | ECI 3       | 23095  | 707.5       | 21.82               | 23.00               | 1.312                  | -            | -                         | 0.08             | 0.366                  | 0.480                  |
| 69            | LTE Band 12 | 10M      | QPSK       | 1       | 0         | -             | Back          | 5mm      | Ant 0   | -       | ECI 3       | 23095  | 707.5       | 22.72               | 24.00               | 1.343                  | -            | -                         | -0.17            | 0.738                  | <b>0.991</b>           |
|               | LTE Band 12 | 10M      | QPSK       | 25      | 0         | -             | Back          | 5mm      | Ant 0   | -       | ECI 3       | 23095  | 707.5       | 21.82               | 23.00               | 1.312                  | -            | -                         | -0.03            | 0.570                  | 0.748                  |
|               | LTE Band 12 | 10M      | QPSK       | 50      | 0         | -             | Back          | 5mm      | Ant 0   | -       | ECI 3       | 23095  | 707.5       | 21.69               | 23.00               | 1.352                  | -            | -                         | 0.14             | 0.565                  | 0.764                  |
|               | LTE Band 12 | 10M      | QPSK       | 1       | 0         | -             | Front         | 5mm      | Ant 4   | -       | ECI 3       | 23095  | 707.5       | 22.54               | 23.00               | 1.112                  | -            | -                         | 0                | 0.397                  | 0.441                  |
|               | LTE Band 12 | 10M      | QPSK       | 25      | 0         | -             | Front         | 5mm      | Ant 4   | -       | ECI 3       | 23095  | 707.5       | 21.62               | 22.00               | 1.091                  | -            | -                         | -0.13            | 0.287                  | 0.313                  |
|               | LTE Band 12 | 10M      | QPSK       | 1       | 0         | -             | Back          | 5mm      | Ant 4   | -       | ECI 3       | 23095  | 707.5       | 22.54               | 23.00               | 1.112                  | -            | -                         | 0.05             | 0.764                  | 0.849                  |
|               | LTE Band 12 | 10M      | QPSK       | 25      | 0         | -             | Back          | 5mm      | Ant 4   | -       | ECI 3       | 23095  | 707.5       | 21.62               | 22.00               | 1.091                  | -            | -                         | -0.1             | 0.586                  | 0.640                  |
|               | LTE Band 12 | 10M      | QPSK       | 50      | 0         | -             | Back          | 5mm      | Ant 4   | -       | ECI 3       | 23095  | 707.5       | 21.59               | 22.00               | 1.099                  | -            | -                         | -0.07            | 0.582                  | 0.640                  |
|               | LTE Band 13 | 10M      | QPSK       | 1       | 0         | -             | Front         | 5mm      | Ant 0   | -       | ECI 3       | 23230  | 782         | 22.75               | 24.00               | 1.334                  | -            | -                         | 0.08             | 0.692                  | 0.923                  |
|               | LTE Band 13 | 10M      | QPSK       | 25      | 0         | -             | Front         | 5mm      | Ant 0   | -       | ECI 3       | 23230  | 782         | 21.57               | 23.00               | 1.390                  | -            | -                         | 0.16             | 0.542                  | 0.753                  |
|               | LTE Band 13 | 10M      | QPSK       | 50      | 0         | -             | Front         | 5mm      | Ant 0   | -       | ECI 3       | 23230  | 782         | 21.76               | 23.00               | 1.330                  | -            | -                         | 0.01             | 0.541                  | 0.720                  |
| 70            | LTE Band 13 | 10M      | QPSK       | 1       | 0         | -             | Back          | 5mm      | Ant 0   | -       | ECI 3       | 23230  | 782         | 22.75               | 24.00               | 1.334                  | -            | -                         | -0.16            | 1.040                  | <b>1.387</b>           |
|               | LTE Band 13 | 10M      | QPSK       | 1       | 0         | -             | Back          | 5mm      | Ant 0   | Headset | ECI 3       | 23230  | 782         | 22.75               | 24.00               | 1.334                  | -            | -                         | 0.01             | 0.893                  | 1.191                  |
|               | LTE Band 13 | 10M      | QPSK       | 25      | 0         | -             | Back          | 5mm      | Ant 0   | -       | ECI 3       | 23230  | 782         | 21.57               | 23.00               | 1.390                  | -            | -                         | 0.1              | 0.843                  | 1.172                  |
|               | LTE Band 13 | 10M      | QPSK       | 50      | 0         | -             | Back          | 5mm      | Ant 0   | -       | ECI 3       | 23230  | 782         | 21.76               | 23.00               | 1.330                  | -            | -                         | -0.04            | 0.801                  | 1.066                  |
|               | LTE Band 13 | 10M      | QPSK       | 1       | 0         | -             | Front         | 5mm      | Ant 4   | -       | ECI 3       | 23230  | 782         | 20.87               | 21.50               | 1.156                  | -            | -                         | 0.08             | 0.468                  | 0.541                  |
|               | LTE Band 13 | 10M      | QPSK       | 25      | 0         | -             | Front         | 5mm      | Ant 4   | -       | ECI 3       | 23230  | 782         | 20.86               | 21.50               | 1.159                  | -            | -                         | 0.01             | 0.369                  | 0.428                  |
|               | LTE Band 13 | 10M      | QPSK       | 50      | 0         | -             | Front         | 5mm      | Ant 4   | -       | ECI 3       | 23230  | 782         | 20.75               | 21.50               | 1.189                  | -            | -                         | 0.03             | 0.369                  | 0.439                  |
|               | LTE Band 13 | 10M      | QPSK       | 1       | 0         | -             | Back          | 5mm      | Ant 4   | -       | ECI 3       | 23230  | 782         | 20.87               | 21.50               | 1.156                  | -            | -                         | -0.08            | 0.787                  | 0.910                  |
|               | LTE Band 13 | 10M      | QPSK       | 25      | 0         | -             | Back          | 5mm      | Ant 4   | -       | ECI 3       | 23230  | 782         | 20.86               | 21.50               | 1.159                  | -            | -                         | -0.08            | 0.613                  | 0.710                  |
|               | LTE Band 13 | 10M      | QPSK       | 50      | 0         | -             | Back          | 5mm      | Ant 4   | -       | ECI 3       | 23230  | 782         | 20.75               | 21.50               | 1.189                  | -            | -                         | 0.1              | 0.613                  | 0.729                  |
|               | LTE Band 13 | 10M      | QPSK       | 1       | 0         | -             | Front         | 12mm     | Ant 4   | -       | ECI 4       | 23230  | 782         | 22.31               | 23.00               | 1.172                  | -            | -                         | -0.18            | 0.178                  | 0.209                  |
|               | LTE Band 13 | 10M      | QPSK       | 1       | 0         | -             | Back          | 22mm     | Ant 4   | -       | ECI 4       | 23230  | 782         | 22.31               | 23.00               | 1.172                  | -            | -                         | 0.1              | 0.194                  | 0.227                  |
|               | LTE Band 14 | 10M      | QPSK       | 1       | 0         | -             | Front         | 5mm      | Ant 0   | -       | ECI 3       | 23330  | 793         | 22.77               | 24.00               | 1.327                  | -            | -                         | -0.16            | 0.773                  | 1.026                  |
|               | LTE Band 14 | 10M      | QPSK       | 25      | 0         | -             | Front         | 5mm      | Ant 0   | -       | ECI 3       | 23330  | 793         | 21.80               | 23.00               | 1.318                  | -            | -                         | -0.12            | 0.604                  | 0.796                  |
|               | LTE Band 14 | 10M      | QPSK       | 50      | 0         | -             | Front         | 5mm      | Ant 0   | -       | ECI 3       | 23330  | 793         | 21.78               | 23.00               | 1.324                  | -            | -                         | 0.07             | 0.603                  | 0.799                  |
| 71            | LTE Band 14 | 10M      | QPSK       | 1       | 0         | -             | Back          | 5mm      | Ant 0   | -       | ECI 3       | 23330  | 793         | 22.77               | 24.00               | 1.327                  | -            | -                         | -0.02            | 1.050                  | <b>1.394</b>           |
|               | LTE Band 14 | 10M      | QPSK       | 1       | 0         | -             | Back          | 5mm      | Ant 0   | Headset | ECI 3       | 23330  | 793         | 22.77               | 24.00               | 1.327                  | -            | -                         | -0.09            | 0.888                  | 1.179                  |
|               | LTE Band 14 | 10M      | QPSK       | 25      | 0         | -             | Back          | 5mm      | Ant 0   | -       | ECI 4       | 23330  | 793         | 21.80               | 23.00               | 1.318                  | -            | -                         | -0.05            | 0.899                  | 1.185                  |
|               | LTE Band 14 | 10M      | QPSK       | 50      | 0         | -             | Back          | 5mm      | Ant 0   | -       | ECI 4       | 23330  | 793         | 21.78               | 23.00               | 1.324                  | -            | -                         | -0.13            | 0.901                  | 1.193                  |
|               | LTE Band 14 | 10M      | QPSK       | 1       | 0         | -             | Front         | 5mm      | Ant 4   | -       | ECI 3       | 23330  | 793         | 20.86               | 21.50               | 1.159                  | -            | -                         | 0.08             | 0.536                  | 0.621                  |
|               | LTE Band 14 | 10M      | QPSK       | 25      | 0         | -             | Front         | 5mm      | Ant 4   | -       | ECI 3       | 23330  | 793         | 20.85               | 21.50               | 1.161                  | -            | -                         | -0.11            | 0.419                  | 0.487                  |
|               | LTE Band 14 | 10M      | QPSK       | 1       | 0         | -             | Back          | 5mm      | Ant 4   | -       | ECI 3       | 23330  | 793         | 20.86               | 21.50               | 1.159                  | -            | -                         | -0.17            | 0.854                  | 0.990                  |
|               | LTE Band 14 | 10M      | QPSK       | 25      | 0         | -             | Back          | 5mm      | Ant 4   | -       | ECI 3       | 23330  | 793         | 20.85               | 21.50               | 1.161                  | -            | -                         | 0.15             | 0.675                  | 0.784                  |
|               | LTE Band 14 | 10M      | QPSK       | 50      | 0         | -             | Back          | 5mm      | Ant 4   | -       | ECI 3       | 23330  | 793         | 20.79               | 21.50               | 1.178                  | -            | -                         | -0.17            | 0.671                  | 0.790                  |
|               | LTE Band 14 | 10M      | QPSK       | 1       | 0         | -             | Front         | 12mm     | Ant 4   | -       | ECI 4       | 23330  | 793         | 22.29               | 23.00               | 1.178                  | -            | -                         | -0.02            | 0.199                  | 0.234                  |
|               | LTE Band 14 | 10M      | QPSK       | 1       | 0         | -             | Back          | 22mm     | Ant 4   | -       | ECI 4       | 23330  | 793         | 22.29               | 23.00               | 1.178                  | -            | -                         | 0.09             | 0.199                  | 0.234                  |
|               | FR1 n71     | 20M      | QPSK       | 1       | 1         | DFT-SCS-15KHz | Front         | 5mm      | Ant 0   | -       | ECI 3       | 136100 | 680.5       | 23.11               | 24.00               | 1.227                  | -            | -                         | 0.1              | 0.189                  | 0.232                  |
|               | FR1 n71     | 20M      | QPSK       | 50      | 28        | DFT-SCS-15KHz | Front         | 5mm      | Ant 0   | -       | ECI 3       | 136100 | 680.5       | 23.07               | 24.00               | 1.239                  | -            | -                         | -0.04            | 0.192                  | 0.238                  |
|               | FR1 n71     | 20M      | QPSK       | 1       | 1         | DFT-SCS-15KHz | Back          | 5mm      | Ant 0   | -       | ECI 3       | 136100 | 680.5       | 23.11               | 24.00               | 1.227                  | -            | -                         | 0.15             | 0.295                  | 0.362                  |
|               | FR1 n71     | 20M      | QPSK       | 50      | 28        | DFT-SCS-15KHz | Back          | 5mm      | Ant 0   | -       | ECI 3       | 136100 | 680.5       | 23.07               | 24.00               | 1.239                  | -            | -                         | 0.09             | 0.285                  | 0.353                  |



|               |             |     |      |    |    |                   |       |      |       |         |       |                 |                 |       |       |       |   |   |       |       |       |
|---------------|-------------|-----|------|----|----|-------------------|-------|------|-------|---------|-------|-----------------|-----------------|-------|-------|-------|---|---|-------|-------|-------|
|               | FR1 n71     | 20M | QPSK | 1  | 1  | DFT-SCS-15KHz     | Front | 5mm  | Ant 4 | -       | ECI 3 | 136100          | 680.5           | 23.26 | 24.00 | 1.186 | - | - | 0.08  | 0.148 | 0.175 |
|               | FR1 n71     | 20M | QPSK | 50 | 28 | DFT-SCS-15KHz     | Front | 5mm  | Ant 4 | -       | ECI 3 | 136100          | 680.5           | 23.22 | 24.00 | 1.197 | - | - | 0.01  | 0.163 | 0.195 |
| 72            | FR1 n71     | 20M | QPSK | 1  | 1  | DFT-SCS-15KHz     | Back  | 5mm  | Ant 4 | -       | ECI 3 | 136100          | 680.5           | 23.26 | 24.00 | 1.186 | - | - | -0.06 | 0.400 | 0.474 |
|               | FR1 n71     | 20M | QPSK | 50 | 28 | DFT-SCS-15KHz     | Back  | 5mm  | Ant 4 | -       | ECI 3 | 136100          | 680.5           | 23.22 | 24.00 | 1.197 | - | - | 0.03  | 0.381 | 0.456 |
|               | FR1 n12     | 15M | QPSK | 1  | 1  | DFT-SCS-15KHz     | Front | 5mm  | Ant 0 | -       | ECI 3 | 141500          | 707.5           | 22.92 | 24.00 | 1.282 | - | - | 0.14  | 0.264 | 0.339 |
|               | FR1 n12     | 15M | QPSK | 36 | 22 | DFT-SCS-15KHz     | Front | 5mm  | Ant 0 | -       | ECI 3 | 141500          | 707.5           | 22.85 | 24.00 | 1.303 | - | - | -0.17 | 0.297 | 0.387 |
|               | FR1 n12     | 15M | QPSK | 1  | 1  | DFT-SCS-15KHz     | Back  | 5mm  | Ant 0 | -       | ECI 3 | 141500          | 707.5           | 22.92 | 24.00 | 1.282 | - | - | 0.17  | 0.426 | 0.546 |
|               | FR1 n12     | 15M | QPSK | 36 | 22 | DFT-SCS-15KHz     | Back  | 5mm  | Ant 0 | -       | ECI 3 | 141500          | 707.5           | 22.85 | 24.00 | 1.303 | - | - | -0.11 | 0.444 | 0.579 |
|               | FR1 n12     | 15M | QPSK | 1  | 1  | DFT-SCS-15KHz     | Front | 5mm  | Ant 4 | -       | ECI 3 | 141500          | 707.5           | 22.97 | 24.00 | 1.268 | - | - | 0.1   | 0.212 | 0.269 |
|               | FR1 n12     | 15M | QPSK | 36 | 22 | DFT-SCS-15KHz     | Front | 5mm  | Ant 4 | -       | ECI 3 | 141500          | 707.5           | 22.92 | 24.00 | 1.282 | - | - | 0.12  | 0.234 | 0.300 |
|               | FR1 n12     | 15M | QPSK | 1  | 1  | DFT-SCS-15KHz     | Back  | 5mm  | Ant 4 | -       | ECI 3 | 141500          | 707.5           | 22.97 | 24.00 | 1.268 | - | - | 0.08  | 0.468 | 0.593 |
| 73            | FR1 n12     | 15M | QPSK | 36 | 22 | DFT-SCS-15KHz     | Back  | 5mm  | Ant 4 | -       | ECI 3 | 141500          | 707.5           | 22.92 | 24.00 | 1.282 | - | - | -0.1  | 0.522 | 0.669 |
|               | FR1 n12     | 15M | QPSK | 75 | 0  | DFT-SCS-15KHz     | Back  | 5mm  | Ant 4 | -       | ECI 3 | 141500          | 707.5           | 22.19 | 23.00 | 1.205 | - | - | -0.17 | 0.440 | 0.530 |
|               | FR1 n14     | 10M | QPSK | 1  | 1  | DFT-SCS-15KHz     | Front | 5mm  | Ant 0 | -       | ECI 3 | 158600          | 793             | 22.64 | 24.00 | 1.368 | - | - | -0.12 | 0.468 | 0.640 |
|               | FR1 n14     | 10M | QPSK | 25 | 14 | DFT-SCS-15KHz     | Front | 5mm  | Ant 0 | -       | ECI 3 | 158600          | 793             | 22.60 | 24.00 | 1.380 | - | - | -0.17 | 0.447 | 0.617 |
|               | FR1 n14     | 10M | QPSK | 1  | 1  | DFT-SCS-15KHz     | Back  | 5mm  | Ant 0 | -       | ECI 3 | 158600          | 793             | 22.64 | 24.00 | 1.368 | - | - | 0.08  | 0.693 | 0.948 |
| 74            | FR1 n14     | 10M | QPSK | 25 | 14 | DFT-SCS-15KHz     | Back  | 5mm  | Ant 0 | -       | ECI 3 | 158600          | 793             | 22.60 | 24.00 | 1.380 | - | - | 0.02  | 0.703 | 0.970 |
|               | FR1 n14     | 10M | QPSK | 50 | 0  | DFT-SCS-15KHz     | Back  | 5mm  | Ant 0 | -       | ECI 3 | 158600          | 793             | 21.78 | 23.00 | 1.324 | - | - | 0.01  | 0.614 | 0.813 |
|               | FR1 n14     | 10M | QPSK | 1  | 1  | DFT-SCS-15KHz     | Front | 5mm  | Ant 4 | -       | ECI 3 | 158600          | 793             | 22.61 | 24.00 | 1.377 | - | - | 0.02  | 0.366 | 0.504 |
|               | FR1 n14     | 10M | QPSK | 25 | 14 | DFT-SCS-15KHz     | Front | 5mm  | Ant 4 | -       | ECI 3 | 158600          | 793             | 22.57 | 24.00 | 1.390 | - | - | -0.11 | 0.352 | 0.489 |
|               | FR1 n14     | 10M | QPSK | 1  | 1  | DFT-SCS-15KHz     | Back  | 5mm  | Ant 4 | -       | ECI 3 | 158600          | 793             | 22.61 | 24.00 | 1.377 | - | - | -0.01 | 0.606 | 0.835 |
|               | FR1 n14     | 10M | QPSK | 25 | 14 | DFT-SCS-15KHz     | Back  | 5mm  | Ant 4 | -       | ECI 3 | 158600          | 793             | 22.57 | 24.00 | 1.390 | - | - | 0.08  | 0.646 | 0.898 |
|               | FR1 n14     | 10M | QPSK | 50 | 0  | DFT-SCS-15KHz     | Back  | 5mm  | Ant 4 | -       | ECI 3 | 158600          | 793             | 21.68 | 23.00 | 1.355 | - | - | 0.09  | 0.602 | 0.816 |
| <b>835MHz</b> |             |     |      |    |    |                   |       |      |       |         |       |                 |                 |       |       |       |   |   |       |       |       |
|               | GSM850      | -   | -    | -  | -  | GPRS (4 Tx slots) | Front | 5mm  | Ant 0 | -       | ECI 3 | 189             | 836.4           | 23.81 | 25.00 | 1.315 | - | - | 0.07  | 0.429 | 0.564 |
|               | GSM850      | -   | -    | -  | -  | GPRS (4 Tx slots) | Front | 5mm  | Ant 0 | -       | ECI 3 | 128             | 824.2           | 23.70 | 25.00 | 1.349 | - | - | -0.04 | 0.380 | 0.513 |
|               | GSM850      | -   | -    | -  | -  | GPRS (4 Tx slots) | Front | 5mm  | Ant 0 | -       | ECI 3 | 251             | 848.8           | 23.74 | 25.00 | 1.337 | - | - | -0.18 | 0.475 | 0.635 |
|               | GSM850      | -   | -    | -  | -  | GPRS (4 Tx slots) | Back  | 5mm  | Ant 0 | -       | ECI 3 | 189             | 836.4           | 23.81 | 25.00 | 1.315 | - | - | -0.13 | 0.961 | 1.264 |
|               | GSM850      | -   | -    | -  | -  | GPRS (4 Tx slots) | Back  | 5mm  | Ant 0 | -       | ECI 3 | 128             | 824.2           | 23.70 | 25.00 | 1.349 | - | - | -0.13 | 0.841 | 1.134 |
| 75            | GSM850      | -   | -    | -  | -  | GPRS (4 Tx slots) | Back  | 5mm  | Ant 0 | -       | ECI 3 | 251             | 848.8           | 23.74 | 25.00 | 1.337 | - | - | 0.02  | 1.050 | 1.403 |
|               | GSM850      | -   | -    | -  | -  | GPRS (4 Tx slots) | Back  | 5mm  | Ant 0 | Headset | ECI 3 | 251             | 848.8           | 23.74 | 25.00 | 1.337 | - | - | 0.02  | 0.872 | 1.166 |
|               | GSM850      | -   | -    | -  | -  | GPRS (4 Tx slots) | Front | 12mm | Ant 0 | -       | ECI 4 | 251             | 848.8           | 28.22 | 29.50 | 1.343 | - | - | -0.04 | 0.410 | 0.551 |
|               | GSM850      | -   | -    | -  | -  | GPRS (4 Tx slots) | Back  | 22mm | Ant 0 | -       | ECI 4 | 251             | 848.8           | 28.22 | 29.50 | 1.343 | - | - | -0.15 | 0.366 | 0.491 |
|               | WCDMA V     | -   | -    | -  | -  | RMC 12.2Kbps      | Front | 5mm  | Ant 0 | -       | ECI 3 | 4182            | 836.4           | 20.74 | 22.00 | 1.337 | - | - | -0.09 | 0.438 | 0.585 |
|               | WCDMA V     | -   | -    | -  | -  | RMC 12.2Kbps      | Front | 5mm  | Ant 0 | -       | ECI 3 | 4132            | 826.4           | 20.65 | 22.00 | 1.365 | - | - | 0.05  | 0.401 | 0.547 |
|               | WCDMA V     | -   | -    | -  | -  | RMC 12.2Kbps      | Front | 5mm  | Ant 0 | -       | ECI 3 | 4233            | 846.6           | 20.61 | 22.00 | 1.377 | - | - | 0.13  | 0.477 | 0.657 |
| 76            | WCDMA V     | -   | -    | -  | -  | RMC 12.2Kbps      | Back  | 5mm  | Ant 0 | -       | ECI 3 | 4182            | 836.4           | 20.74 | 22.00 | 1.337 | - | - | 0.02  | 1.000 | 1.337 |
|               | WCDMA V     | -   | -    | -  | -  | RMC 12.2Kbps      | Back  | 5mm  | Ant 0 | Headset | ECI 3 | 4182            | 836.4           | 20.74 | 22.00 | 1.337 | - | - | -0.01 | 0.875 | 1.170 |
|               | WCDMA V     | -   | -    | -  | -  | RMC 12.2Kbps      | Back  | 5mm  | Ant 0 | -       | ECI 3 | 4132            | 826.4           | 20.65 | 22.00 | 1.365 | - | - | -0.12 | 0.815 | 1.112 |
|               | WCDMA V     | -   | -    | -  | -  | RMC 12.2Kbps      | Back  | 5mm  | Ant 0 | -       | ECI 3 | 4233            | 846.6           | 20.61 | 22.00 | 1.377 | - | - | 0.15  | 0.864 | 1.190 |
|               | WCDMA V     | -   | -    | -  | -  | RMC 12.2Kbps      | Front | 12mm | Ant 0 | -       | ECI 4 | 4233            | 846.6           | 22.60 | 24.00 | 1.380 | - | - | -0.05 | 0.288 | 0.398 |
|               | WCDMA V     | -   | -    | -  | -  | RMC 12.2Kbps      | Back  | 22mm | Ant 0 | -       | ECI 4 | 4182            | 836.4           | 22.72 | 24.00 | 1.343 | - | - | -0.07 | 0.222 | 0.298 |
|               | LTE Band 26 | 15M | QPSK | 1  | 0  | -                 | Front | 5mm  | Ant 0 | -       | ECI 3 | 26865           | 831.5           | 21.21 | 22.50 | 1.346 | - | - | 0.02  | 0.554 | 0.746 |
|               | LTE Band 26 | 15M | QPSK | 36 | 0  | -                 | Front | 5mm  | Ant 0 | -       | ECI 3 | 26865           | 831.5           | 21.20 | 22.50 | 1.349 | - | - | 0.16  | 0.428 | 0.577 |
|               | LTE Band 26 | 15M | QPSK | 75 | 0  | -                 | Front | 5mm  | Ant 0 | -       | ECI 3 | 26865           | 831.5           | 21.17 | 22.50 | 1.358 | - | - | 0.06  | 0.423 | 0.575 |
| 77            | LTE Band 26 | 15M | QPSK | 1  | 0  | -                 | Back  | 5mm  | Ant 0 | -       | ECI 3 | 26865           | 831.5           | 21.21 | 22.50 | 1.346 | - | - | -0.02 | 1.020 | 1.373 |
|               | LTE Band 5B | 10M | QPSK | 1  | 49 | -                 | Back  | 5mm  | Ant 0 | -       | ECI 3 | 20476+<br>20575 | 831.6+<br>836.5 | 20.95 | 22.50 | 1.429 | - | - | -0.09 | 0.819 | 1.170 |
|               | LTE Band 26 | 15M | QPSK | 1  | 0  | -                 | Back  | 5mm  | Ant 0 | Headset | ECI 3 | 26865           | 831.5           | 21.21 | 22.50 | 1.346 | - | - | 0.1   | 0.797 | 1.073 |
|               | LTE Band 26 | 15M | QPSK | 36 | 0  | -                 | Back  | 5mm  | Ant 0 | -       | ECI 3 | 26865           | 831.5           | 21.20 | 22.50 | 1.349 | - | - | 0.07  | 0.775 | 1.045 |
|               | LTE Band 26 | 15M | QPSK | 75 | 0  | -                 | Back  | 5mm  | Ant 0 | -       | ECI 3 | 26865           | 831.5           | 21.17 | 22.50 | 1.358 | - | - | -0.17 | 0.768 | 1.043 |
|               | LTE Band 26 | 15M | QPSK | 1  | 0  | -                 | Front | 12mm | Ant 0 | -       | ECI 4 | 26865           | 831.5           | 22.65 | 24.00 | 1.365 | - | - | 0.1   | 0.335 | 0.457 |
|               | LTE Band 26 | 15M | QPSK | 1  | 0  | -                 | Back  | 22mm | Ant 0 | -       | ECI 4 | 26865           | 831.5           | 22.65 | 24.00 | 1.365 | - | - | 0.08  | 0.294 | 0.401 |
|               | LTE Band 26 | 15M | QPSK | 1  | 0  | -                 | Front | 5mm  | Ant 4 | -       | ECI 3 | 26865           | 831.5           | 21.45 | 22.00 | 1.135 | - | - | -0.05 | 0.420 | 0.477 |
|               | LTE Band 26 | 15M | QPSK | 36 | 0  | -                 | Front | 5mm  | Ant 4 | -       | ECI 3 | 26865           | 831.5           | 21.32 | 22.00 | 1.169 | - | - | -0.15 | 0.328 | 0.384 |
|               | LTE Band 26 | 15M | QPSK | 1  | 0  | -                 | Back  | 5mm  | Ant 4 | -       | ECI 3 | 26865           | 831.5           | 21.45 | 22.00 | 1.135 | - | - | 0.04  | 0.850 | 0.965 |
|               | LTE Band 26 | 15M | QPSK | 36 | 0  | -                 | Back  | 5mm  | Ant 4 | -       | ECI 3 | 26865           | 831.5           | 21.32 | 22.00 | 1.169 | - | - | 0.08  | 0.581 | 0.679 |
|               | LTE Band 26 | 15M | QPSK | 75 | 0  | -                 | Back  | 5mm  | Ant 4 | -       | ECI 3 | 26865           | 831.5           | 21.28 | 22.00 | 1.180 | - | - | -0.02 | 0.592 | 0.699 |





**FCC SAR Test Report**

**Report No. : FA391202**

|                |              |     |      |     |    |               |       |      |       |         |       |                   |                 |       |       |       |   |   |       |       |              |
|----------------|--------------|-----|------|-----|----|---------------|-------|------|-------|---------|-------|-------------------|-----------------|-------|-------|-------|---|---|-------|-------|--------------|
|                | LTE Band 26  | 15M | QPSK | 1   | 0  | -             | Front | 12mm | Ant 4 | -       | ECI 4 | 26865             | 831.5           | 22.38 | 23.00 | 1.153 | - | - | -0.03 | 0.293 | 0.338        |
|                | LTE Band 26  | 15M | QPSK | 1   | 0  | -             | Back  | 22mm | Ant 4 | -       | ECI 4 | 26865             | 831.5           | 22.38 | 23.00 | 1.153 | - | - | -0.06 | 0.138 | 0.159        |
|                | FR1 n26      | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Front | 5mm  | Ant 0 | -       | ECI 3 | 166300            | 831.5           | 21.92 | 23.00 | 1.282 | - | - | 0.07  | 0.448 | 0.574        |
|                | FR1 n26      | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Front | 5mm  | Ant 0 | -       | ECI 3 | 166300            | 831.5           | 21.90 | 23.00 | 1.288 | - | - | 0.09  | 0.448 | 0.577        |
| 78             | FR1 n26      | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Back  | 5mm  | Ant 0 | -       | ECI 3 | 166300            | 831.5           | 21.92 | 23.00 | 1.282 | - | - | 0.02  | 0.987 | <b>1.266</b> |
|                | FR1 n26      | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Back  | 5mm  | Ant 0 | Headset | ECI 3 | 166300            | 831.5           | 21.92 | 23.00 | 1.282 | - | - | -0.01 | 0.811 | 1.040        |
|                | FR1 n26      | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Back  | 5mm  | Ant 0 | -       | ECI 3 | 166300            | 831.5           | 21.90 | 23.00 | 1.288 | - | - | 0.04  | 0.839 | 1.081        |
|                | FR1 n26      | 20M | QPSK | 100 | 0  | DFT-SCS-15KHz | Back  | 5mm  | Ant 0 | -       | ECI 3 | 166300            | 831.5           | 21.75 | 23.00 | 1.334 | - | - | 0.11  | 0.643 | 0.857        |
|                | FR1 n26      | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Front | 12mm | Ant 0 | -       | ECI 4 | 166300            | 831.5           | 22.87 | 24.00 | 1.297 | - | - | 0.02  | 0.113 | 0.147        |
|                | FR1 n26      | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Back  | 22mm | Ant 0 | -       | ECI 4 | 166300            | 831.5           | 22.91 | 24.00 | 1.285 | - | - | -0.01 | 0.085 | 0.109        |
|                | FR1 n26      | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Front | 5mm  | Ant 4 | -       | ECI 4 | 166300            | 831.5           | 22.88 | 24.00 | 1.294 | - | - | -0.05 | 0.420 | 0.544        |
|                | FR1 n26      | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Front | 5mm  | Ant 4 | -       | ECI 4 | 166300            | 831.5           | 22.84 | 24.00 | 1.306 | - | - | 0.14  | 0.421 | 0.550        |
|                | FR1 n26      | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Back  | 5mm  | Ant 4 | -       | ECI 4 | 166300            | 831.5           | 22.88 | 24.00 | 1.294 | - | - | 0.06  | 0.750 | 0.971        |
|                | FR1 n26      | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Back  | 5mm  | Ant 4 | -       | ECI 4 | 166300            | 831.5           | 22.84 | 24.00 | 1.306 | - | - | -0.01 | 0.722 | 0.943        |
|                | FR1 n26      | 20M | QPSK | 100 | 0  | DFT-SCS-15KHz | Back  | 5mm  | Ant 4 | -       | ECI 4 | 166300            | 831.5           | 21.89 | 23.00 | 1.291 | - | - | -0.12 | 0.707 | 0.913        |
|                | FR1 n5       | 25M | QPSK | 1   | 1  | DFT-SCS-15KHz | Front | 5mm  | Ant 0 | -       | ECI 3 | 167300            | 836.5           | 22.46 | 23.50 | 1.271 | - | - | -0.13 | 0.426 | 0.541        |
|                | FR1 n5       | 25M | QPSK | 64  | 35 | DFT-SCS-15KHz | Front | 5mm  | Ant 0 | -       | ECI 3 | 167300            | 836.5           | 22.07 | 23.50 | 1.390 | - | - | 0.01  | 0.460 | 0.639        |
|                | FR1 n5       | 25M | QPSK | 1   | 1  | DFT-SCS-15KHz | Back  | 5mm  | Ant 0 | -       | ECI 3 | 167300            | 836.5           | 22.46 | 23.50 | 1.271 | - | - | -0.11 | 0.947 | 1.203        |
| 79             | FR1 n5       | 25M | QPSK | 64  | 35 | DFT-SCS-15KHz | Back  | 5mm  | Ant 0 | -       | ECI 3 | 167300            | 836.5           | 22.07 | 23.50 | 1.390 | - | - | -0.04 | 1.010 | <b>1.404</b> |
|                | FR1 n5       | 25M | QPSK | 64  | 35 | DFT-SCS-15KHz | Back  | 5mm  | Ant 0 | Headset | ECI 3 | 167300            | 836.5           | 22.07 | 23.50 | 1.390 | - | - | 0.02  | 0.811 | 1.127        |
|                | FR1 n5       | 25M | QPSK | 128 | 0  | DFT-SCS-15KHz | Back  | 5mm  | Ant 0 | -       | ECI 3 | 167300            | 836.5           | 21.83 | 23.00 | 1.309 | - | - | 0.03  | 0.696 | 0.911        |
|                | FR1 n5       | 25M | QPSK | 64  | 35 | DFT-SCS-15KHz | Front | 12mm | Ant 0 | -       | ECI 4 | 167300            | 836.5           | 22.86 | 24.00 | 1.300 | - | - | 0.06  | 0.103 | 0.134        |
|                | FR1 n5       | 25M | QPSK | 64  | 35 | DFT-SCS-15KHz | Back  | 22mm | Ant 0 | -       | ECI 4 | 167300            | 836.5           | 22.86 | 24.00 | 1.300 | - | - | -0.11 | 0.087 | 0.113        |
|                | FR1 n5       | 25M | QPSK | 1   | 1  | DFT-SCS-15KHz | Front | 5mm  | Ant 4 | -       | ECI 4 | 167300            | 836.5           | 22.90 | 24.00 | 1.288 | - | - | 0.15  | 0.429 | 0.553        |
|                | FR1 n5       | 25M | QPSK | 64  | 35 | DFT-SCS-15KHz | Front | 5mm  | Ant 4 | -       | ECI 4 | 167300            | 836.5           | 22.82 | 24.00 | 1.312 | - | - | -0.05 | 0.392 | 0.514        |
|                | FR1 n5       | 25M | QPSK | 1   | 1  | DFT-SCS-15KHz | Back  | 5mm  | Ant 4 | -       | ECI 4 | 167300            | 836.5           | 22.90 | 24.00 | 1.288 | - | - | 0.08  | 0.788 | 1.015        |
|                | FR1 n5       | 25M | QPSK | 64  | 35 | DFT-SCS-15KHz | Back  | 5mm  | Ant 4 | -       | ECI 4 | 167300            | 836.5           | 22.82 | 24.00 | 1.312 | - | - | -0.08 | 0.701 | 0.920        |
|                | FR1 n5       | 25M | QPSK | 128 | 0  | DFT-SCS-15KHz | Back  | 5mm  | Ant 4 | -       | ECI 4 | 167300            | 836.5           | 21.79 | 23.00 | 1.321 | - | - | -0.08 | 0.666 | 0.880        |
| <b>1750MHz</b> |              |     |      |     |    |               |       |      |       |         |       |                   |                 |       |       |       |   |   |       |       |              |
|                | WCDMA IV     | -   | -    | -   | -  | RMC 12.2Kbps  | Front | 5mm  | Ant 0 | -       | ECI 3 | 1413              | 1732.6          | 16.06 | 17.50 | 1.393 | - | - | 0.12  | 0.824 | 1.148        |
|                | WCDMA IV     | -   | -    | -   | -  | RMC 12.2Kbps  | Front | 5mm  | Ant 0 | -       | ECI 3 | 1312              | 1712.4          | 16.04 | 17.50 | 1.400 | - | - | 0.07  | 0.809 | 1.132        |
|                | WCDMA IV     | -   | -    | -   | -  | RMC 12.2Kbps  | Front | 5mm  | Ant 0 | -       | ECI 3 | 1513              | 1752.6          | 15.82 | 17.50 | 1.472 | - | - | 0.15  | 0.812 | 1.196        |
|                | WCDMA IV     | -   | -    | -   | -  | RMC 12.2Kbps  | Back  | 5mm  | Ant 0 | -       | ECI 3 | 1413              | 1732.6          | 16.06 | 17.50 | 1.393 | - | - | 0.14  | 0.926 | 1.290        |
|                | WCDMA IV     | -   | -    | -   | -  | RMC 12.2Kbps  | Back  | 5mm  | Ant 0 | -       | ECI 3 | 1312              | 1712.4          | 16.04 | 17.50 | 1.400 | - | - | -0.03 | 0.851 | 1.191        |
| 80             | WCDMA IV     | -   | -    | -   | -  | RMC 12.2Kbps  | Back  | 5mm  | Ant 0 | -       | ECI 3 | 1513              | 1752.6          | 15.92 | 17.50 | 1.439 | - | - | -0.14 | 0.960 | <b>1.381</b> |
|                | WCDMA IV     | -   | -    | -   | -  | RMC 12.2Kbps  | Back  | 5mm  | Ant 0 | Headset | ECI 3 | 1513              | 1752.6          | 15.92 | 17.50 | 1.439 | - | - | -0.09 | 0.797 | 1.147        |
|                | WCDMA IV     | -   | -    | -   | -  | RMC 12.2Kbps  | Front | 12mm | Ant 0 | -       | ECI 4 | 1513              | 1752.6          | 22.35 | 24.00 | 1.462 | - | - | 0.17  | 0.467 | 0.683        |
|                | WCDMA IV     | -   | -    | -   | -  | RMC 12.2Kbps  | Back  | 22mm | Ant 0 | -       | ECI 4 | 1513              | 1752.6          | 22.35 | 24.00 | 1.462 | - | - | 0.11  | 0.394 | 0.576        |
|                | LTE Band 66  | 20M | QPSK | 1   | 0  | -             | Front | 5mm  | Ant 0 | -       | ECI 3 | 132322            | 1745            | 16.57 | 18.00 | 1.390 | - | - | -0.15 | 0.764 | 1.062        |
|                | LTE Band 66  | 20M | QPSK | 1   | 0  | -             | Front | 5mm  | Ant 0 | -       | ECI 3 | 132072            | 1720            | 16.41 | 18.00 | 1.442 | - | - | 0.11  | 0.748 | 1.079        |
|                | LTE Band 66  | 20M | QPSK | 1   | 0  | -             | Front | 5mm  | Ant 0 | -       | ECI 3 | 132572            | 1770            | 16.43 | 18.00 | 1.435 | - | - | -0.02 | 0.737 | 1.058        |
|                | LTE Band 66  | 20M | QPSK | 50  | 0  | -             | Front | 5mm  | Ant 0 | -       | ECI 3 | 132322            | 1745            | 16.54 | 18.00 | 1.400 | - | - | 0.1   | 0.608 | 0.851        |
|                | LTE Band 66  | 20M | QPSK | 50  | 0  | -             | Front | 5mm  | Ant 0 | -       | ECI 3 | 132072            | 1720            | 16.52 | 18.00 | 1.406 | - | - | 0.04  | 0.598 | 0.841        |
|                | LTE Band 66  | 20M | QPSK | 50  | 0  | -             | Front | 5mm  | Ant 0 | -       | ECI 3 | 132572            | 1770            | 16.47 | 18.00 | 1.422 | - | - | 0.13  | 0.590 | 0.839        |
|                | LTE Band 66  | 20M | QPSK | 100 | 0  | -             | Front | 5mm  | Ant 0 | -       | ECI 3 | 132322            | 1745            | 16.57 | 18.00 | 1.390 | - | - | -0.18 | 0.598 | 0.831        |
|                | LTE Band 66  | 20M | QPSK | 1   | 0  | -             | Back  | 5mm  | Ant 0 | -       | ECI 3 | 132322            | 1745            | 16.57 | 18.00 | 1.390 | - | - | -0.11 | 0.917 | 1.275        |
|                | LTE Band 66  | 20M | QPSK | 1   | 0  | -             | Back  | 5mm  | Ant 0 | -       | ECI 3 | 132072            | 1720            | 16.41 | 18.00 | 1.442 | - | - | -0.16 | 0.811 | 1.170        |
| 81             | LTE Band 66  | 20M | QPSK | 1   | 0  | -             | Back  | 5mm  | Ant 0 | -       | ECI 3 | 132572            | 1770            | 16.43 | 18.00 | 1.435 | - | - | -0.15 | 0.970 | <b>1.392</b> |
|                | LTE Band 66C | 20M | QPSK | 1   | 0  | -             | Back  | 5mm  | Ant 0 | -       | ECI 3 | 132572+<br>132374 | 1770+<br>1750.2 | 16.38 | 18.00 | 1.452 | - | - | 0.02  | 0.811 | 1.178        |
|                | LTE Band 66  | 20M | QPSK | 1   | 0  | -             | Back  | 5mm  | Ant 0 | Headset | ECI 3 | 132572            | 1770            | 16.43 | 18.00 | 1.435 | - | - | -0.07 | 0.772 | 1.108        |
|                | LTE Band 66  | 20M | QPSK | 50  | 0  | -             | Back  | 5mm  | Ant 0 | -       | ECI 3 | 132322            | 1745            | 16.54 | 18.00 | 1.400 | - | - | -0.06 | 0.732 | 1.024        |
|                | LTE Band 66  | 20M | QPSK | 50  | 0  | -             | Back  | 5mm  | Ant 0 | -       | ECI 3 | 132072            | 1720            | 16.52 | 18.00 | 1.406 | - | - | -0.14 | 0.651 | 0.915        |
|                | LTE Band 66  | 20M | QPSK | 50  | 0  | -             | Back  | 5mm  | Ant 0 | -       | ECI 3 | 132572            | 1770            | 16.42 | 18.00 | 1.439 | - | - | -0.19 | 0.772 | 1.111        |
|                | LTE Band 66  | 20M | QPSK | 100 | 0  | -             | Back  | 5mm  | Ant 0 | -       | ECI 3 | 132322            | 1745            | 16.49 | 18.00 | 1.416 | - | - | 0.01  | 0.719 | 1.018        |
|                | LTE Band 66  | 20M | QPSK | 1   | 0  | -             | Front | 12mm | Ant 0 | -       | ECI 4 | 132072            | 1720            | 22.46 | 24.00 | 1.426 | - | - | 0.02  | 0.457 | 0.652        |
|                | LTE Band 66  | 20M | QPSK | 1   | 0  | -             | Back  | 22mm | Ant 0 | -       | ECI 4 | 132572            | 1770            | 22.41 | 24.00 | 1.442 | - | - | 0.12  | 0.191 | 0.275        |
|                | LTE Band 66  | 20M | QPSK | 1   | 0  | -             | Front | 5mm  | Ant 4 | -       | ECI 3 | 132322            | 1745            | 16.59 | 17.50 | 1.233 | - | - | 0.1   | 0.466 | 0.575        |



**FCC SAR Test Report**

**Report No. : FA391202**

|                |                      |     |      |     |    |                   |       |      |       |         |       |        |        |       |       |       |   |   |       |       |       |
|----------------|----------------------|-----|------|-----|----|-------------------|-------|------|-------|---------|-------|--------|--------|-------|-------|-------|---|---|-------|-------|-------|
|                | LTE Band 66          | 20M | QPSK | 1   | 0  | -                 | Front | 5mm  | Ant 4 | -       | ECI 3 | 132072 | 1720   | 16.36 | 17.50 | 1.300 | - | - | 0.08  | 0.444 | 0.577 |
|                | LTE Band 66          | 20M | QPSK | 1   | 0  | -                 | Front | 5mm  | Ant 4 | -       | ECI 3 | 132572 | 1770   | 16.42 | 17.50 | 1.282 | - | - | 0.07  | 0.466 | 0.598 |
|                | LTE Band 66          | 20M | QPSK | 50  | 0  | -                 | Front | 5mm  | Ant 4 | -       | ECI 3 | 132322 | 1745   | 16.50 | 17.50 | 1.259 | - | - | 0.1   | 0.367 | 0.462 |
|                | LTE Band 66          | 20M | QPSK | 50  | 0  | -                 | Front | 5mm  | Ant 4 | -       | ECI 3 | 132072 | 1720   | 16.37 | 17.50 | 1.297 | - | - | -0.09 | 0.355 | 0.460 |
|                | LTE Band 66          | 20M | QPSK | 50  | 0  | -                 | Front | 5mm  | Ant 4 | -       | ECI 3 | 132572 | 1770   | 16.49 | 17.50 | 1.262 | - | - | 0.02  | 0.374 | 0.472 |
|                | LTE Band 66          | 20M | QPSK | 100 | 0  | -                 | Front | 5mm  | Ant 4 | -       | ECI 3 | 132322 | 1745   | 16.49 | 17.50 | 1.262 | - | - | 0     | 0.363 | 0.458 |
|                | LTE Band 66          | 20M | QPSK | 1   | 0  | -                 | Back  | 5mm  | Ant 4 | -       | ECI 3 | 132322 | 1745   | 16.59 | 17.50 | 1.233 | - | - | 0.02  | 0.767 | 0.946 |
|                | LTE Band 66          | 20M | QPSK | 1   | 0  | -                 | Back  | 5mm  | Ant 4 | -       | ECI 3 | 132072 | 1720   | 16.36 | 17.50 | 1.300 | - | - | -0.08 | 0.737 | 0.958 |
|                | LTE Band 66          | 20M | QPSK | 1   | 0  | -                 | Back  | 5mm  | Ant 4 | -       | ECI 3 | 132572 | 1770   | 16.42 | 17.50 | 1.282 | - | - | -0.03 | 0.785 | 1.007 |
|                | LTE Band 66          | 20M | QPSK | 50  | 0  | -                 | Back  | 5mm  | Ant 4 | -       | ECI 3 | 132322 | 1745   | 16.50 | 17.50 | 1.259 | - | - | -0.06 | 0.609 | 0.767 |
|                | LTE Band 66          | 20M | QPSK | 50  | 0  | -                 | Back  | 5mm  | Ant 4 | -       | ECI 3 | 132072 | 1720   | 16.37 | 17.50 | 1.297 | - | - | 0.18  | 0.591 | 0.767 |
|                | LTE Band 66          | 20M | QPSK | 50  | 0  | -                 | Back  | 5mm  | Ant 4 | -       | ECI 3 | 132572 | 1770   | 16.49 | 17.50 | 1.262 | - | - | 0.01  | 0.627 | 0.791 |
|                | LTE Band 66          | 20M | QPSK | 100 | 0  | -                 | Back  | 5mm  | Ant 4 | -       | ECI 3 | 132322 | 1745   | 16.49 | 17.50 | 1.262 | - | - | 0.03  | 0.598 | 0.755 |
|                | LTE Band 66 Other PA | 20M | QPSK | 1   | 0  | -                 | Back  | 5mm  | Ant 4 | -       | ECI 3 | 132572 | 1770   | 16.22 | 17.50 | 1.343 | - | - | -0.01 | 0.661 | 0.888 |
|                | LTE Band 66          | 20M | QPSK | 1   | 0  | -                 | Front | 12mm | Ant 4 | -       | ECI 4 | 132572 | 1770   | 20.96 | 22.00 | 1.271 | - | - | -0.18 | 0.192 | 0.244 |
|                | LTE Band 66          | 20M | QPSK | 1   | 0  | -                 | Back  | 22mm | Ant 4 | -       | ECI 4 | 132572 | 1770   | 20.96 | 22.00 | 1.271 | - | - | -0.05 | 0.106 | 0.135 |
|                | FR1 n70              | 15M | QPSK | 1   | 1  | DFT-SCS-15KHz     | Front | 5mm  | Ant 0 | -       | ECI 3 | 340500 | 1702.5 | 19.06 | 20.00 | 1.242 | - | - | 0.04  | 0.918 | 1.140 |
|                | FR1 n70              | 15M | QPSK | 36  | 22 | DFT-SCS-15KHz     | Front | 5mm  | Ant 0 | -       | ECI 3 | 340500 | 1702.5 | 19.00 | 20.00 | 1.259 | - | - | -0.01 | 1.010 | 1.272 |
|                | FR1 n70              | 15M | QPSK | 75  | 0  | DFT-SCS-15KHz     | Front | 5mm  | Ant 0 | -       | ECI 3 | 340500 | 1702.5 | 18.95 | 20.00 | 1.274 | - | - | -0.08 | 0.775 | 0.987 |
|                | FR1 n70              | 15M | QPSK | 1   | 1  | DFT-SCS-15KHz     | Back  | 5mm  | Ant 0 | -       | ECI 3 | 340500 | 1702.5 | 19.06 | 20.00 | 1.242 | - | - | 0.05  | 0.931 | 1.156 |
| 82             | FR1 n70              | 15M | QPSK | 36  | 22 | DFT-SCS-15KHz     | Back  | 5mm  | Ant 0 | -       | ECI 3 | 340500 | 1702.5 | 19.00 | 20.00 | 1.259 | - | - | -0.07 | 1.030 | 1.297 |
|                | FR1 n70              | 15M | QPSK | 36  | 22 | DFT-SCS-15KHz     | Back  | 5mm  | Ant 0 | Headset | ECI 3 | 340500 | 1702.5 | 19.00 | 20.00 | 1.259 | - | - | -0.08 | 1.030 | 1.297 |
|                | FR1 n70              | 15M | QPSK | 75  | 0  | DFT-SCS-15KHz     | Back  | 5mm  | Ant 0 | -       | ECI 3 | 340500 | 1702.5 | 18.95 | 20.00 | 1.274 | - | - | 0.06  | 0.797 | 1.015 |
|                | FR1 n70              | 15M | QPSK | 36  | 22 | DFT-SCS-15KHz     | Front | 12mm | Ant 0 | -       | ECI 4 | 340500 | 1702.5 | 22.92 | 24.00 | 1.282 | - | - | 0.04  | 0.619 | 0.794 |
|                | FR1 n70              | 15M | QPSK | 36  | 22 | DFT-SCS-15KHz     | Back  | 22mm | Ant 0 | -       | ECI 4 | 340500 | 1702.5 | 22.92 | 24.00 | 1.282 | - | - | 0.15  | 0.244 | 0.313 |
|                | FR1 n70              | 15M | QPSK | 1   | 1  | DFT-SCS-15KHz     | Front | 5mm  | Ant 4 | -       | ECI 3 | 340500 | 1702.5 | 19.45 | 20.50 | 1.274 | - | - | -0.15 | 0.412 | 0.525 |
|                | FR1 n70              | 15M | QPSK | 36  | 22 | DFT-SCS-15KHz     | Front | 5mm  | Ant 4 | -       | ECI 3 | 340500 | 1702.5 | 19.44 | 20.50 | 1.276 | - | - | 0.19  | 0.455 | 0.581 |
|                | FR1 n70              | 15M | QPSK | 75  | 0  | DFT-SCS-15KHz     | Front | 5mm  | Ant 4 | -       | ECI 3 | 340500 | 1702.5 | 19.42 | 20.50 | 1.282 | - | - | 0.07  | 0.371 | 0.476 |
|                | FR1 n70              | 15M | QPSK | 1   | 1  | DFT-SCS-15KHz     | Back  | 5mm  | Ant 4 | -       | ECI 3 | 340500 | 1702.5 | 19.45 | 20.50 | 1.274 | - | - | -0.19 | 0.768 | 0.978 |
|                | FR1 n70              | 15M | QPSK | 36  | 22 | DFT-SCS-15KHz     | Back  | 5mm  | Ant 4 | -       | ECI 3 | 340500 | 1702.5 | 19.44 | 20.50 | 1.276 | - | - | -0.18 | 0.726 | 0.927 |
|                | FR1 n70              | 15M | QPSK | 75  | 0  | DFT-SCS-15KHz     | Back  | 5mm  | Ant 4 | -       | ECI 3 | 340500 | 1702.5 | 19.42 | 20.50 | 1.282 | - | - | 0.03  | 0.631 | 0.809 |
|                | FR1 n70              | 15M | QPSK | 36  | 22 | DFT-SCS-15KHz     | Front | 12mm | Ant 4 | -       | ECI 4 | 340500 | 1702.5 | 21.81 | 23.00 | 1.315 | - | - | 0.04  | 0.237 | 0.312 |
|                | FR1 n70              | 15M | QPSK | 1   | 1  | DFT-SCS-15KHz     | Back  | 22mm | Ant 4 | -       | ECI 4 | 340500 | 1702.5 | 21.87 | 23.00 | 1.297 | - | - | 0.04  | 0.106 | 0.138 |
|                | FR1 n66              | 45M | QPSK | 1   | 61 | DFT-SCS-15KHz     | Front | 5mm  | Ant 0 | -       | ECI 3 | 349000 | 1745   | 17.99 | 19.00 | 1.262 | - | - | -0.08 | 0.713 | 0.900 |
|                | FR1 n66              | 45M | QPSK | 121 | 61 | DFT-SCS-15KHz     | Front | 5mm  | Ant 0 | -       | ECI 3 | 349000 | 1745   | 17.95 | 19.00 | 1.274 | - | - | -0.13 | 0.827 | 1.053 |
|                | FR1 n66              | 45M | QPSK | 242 | 0  | DFT-SCS-15KHz     | Front | 5mm  | Ant 0 | -       | ECI 3 | 349000 | 1745   | 17.91 | 19.00 | 1.285 | - | - | -0.13 | 0.632 | 0.812 |
|                | FR1 n66              | 45M | QPSK | 1   | 61 | DFT-SCS-15KHz     | Back  | 5mm  | Ant 0 | -       | ECI 3 | 349000 | 1745   | 17.99 | 19.00 | 1.262 | - | - | 0.06  | 0.848 | 1.070 |
| 83             | FR1 n66              | 45M | QPSK | 121 | 61 | DFT-SCS-15KHz     | Back  | 5mm  | Ant 0 | -       | ECI 3 | 349000 | 1745   | 17.95 | 19.00 | 1.274 | - | - | -0.08 | 0.972 | 1.238 |
|                | FR1 n66              | 45M | QPSK | 121 | 61 | DFT-SCS-15KHz     | Back  | 5mm  | Ant 0 | Headset | ECI 3 | 349000 | 1745   | 17.95 | 19.00 | 1.274 | - | - | -0.02 | 0.922 | 1.174 |
|                | FR1 n66              | 45M | QPSK | 242 | 0  | DFT-SCS-15KHz     | Back  | 5mm  | Ant 0 | -       | ECI 3 | 349000 | 1745   | 17.91 | 19.00 | 1.285 | - | - | -0.03 | 0.804 | 1.033 |
|                | FR1 n66              | 45M | QPSK | 121 | 61 | DFT-SCS-15KHz     | Front | 12mm | Ant 0 | -       | ECI 4 | 349000 | 1745   | 22.89 | 24.00 | 1.291 | - | - | -0.18 | 0.587 | 0.758 |
|                | FR1 n66              | 45M | QPSK | 121 | 61 | DFT-SCS-15KHz     | Back  | 22mm | Ant 0 | -       | ECI 4 | 349000 | 1745   | 22.89 | 24.00 | 1.291 | - | - | -0.14 | 0.259 | 0.334 |
|                | FR1 n66              | 45M | QPSK | 1   | 61 | DFT-SCS-15KHz     | Front | 5mm  | Ant 4 | -       | ECI 3 | 349000 | 1745   | 18.85 | 20.00 | 1.303 | - | - | -0.05 | 0.365 | 0.476 |
|                | FR1 n66              | 45M | QPSK | 121 | 61 | DFT-SCS-15KHz     | Front | 5mm  | Ant 4 | -       | ECI 3 | 349000 | 1745   | 18.84 | 20.00 | 1.306 | - | - | -0.08 | 0.438 | 0.572 |
|                | FR1 n66              | 45M | QPSK | 242 | 0  | DFT-SCS-15KHz     | Front | 5mm  | Ant 4 | -       | ECI 3 | 349000 | 1745   | 18.78 | 20.00 | 1.324 | - | - | 0.16  | 0.337 | 0.446 |
|                | FR1 n66              | 45M | QPSK | 1   | 61 | DFT-SCS-15KHz     | Back  | 5mm  | Ant 4 | -       | ECI 3 | 349000 | 1745   | 18.85 | 20.00 | 1.303 | - | - | 0.05  | 0.622 | 0.811 |
|                | FR1 n66              | 45M | QPSK | 121 | 61 | DFT-SCS-15KHz     | Back  | 5mm  | Ant 4 | -       | ECI 3 | 349000 | 1745   | 18.84 | 20.00 | 1.306 | - | - | -0.06 | 0.691 | 0.903 |
|                | FR1 n66              | 45M | QPSK | 242 | 0  | DFT-SCS-15KHz     | Back  | 5mm  | Ant 4 | -       | ECI 3 | 349000 | 1745   | 18.78 | 20.00 | 1.324 | - | - | 0.05  | 0.571 | 0.756 |
|                | FR1 n66 Other PA     | 45M | QPSK | 121 | 61 | DFT-SCS-15KHz     | Back  | 5mm  | Ant 4 | -       | ECI 3 | 349000 | 1745   | 18.84 | 20.00 | 1.306 | - | - | -0.07 | 0.511 | 0.667 |
|                | FR1 n66              | 45M | QPSK | 121 | 61 | DFT-SCS-15KHz     | Front | 12mm | Ant 4 | -       | ECI 4 | 349000 | 1745   | 21.75 | 23.00 | 1.334 | - | - | 0.05  | 0.265 | 0.353 |
|                | FR1 n66              | 45M | QPSK | 121 | 61 | DFT-SCS-15KHz     | Back  | 22mm | Ant 4 | -       | ECI 4 | 349000 | 1745   | 21.75 | 23.00 | 1.334 | - | - | 0.12  | 0.137 | 0.183 |
| <b>1900MHz</b> |                      |     |      |     |    |                   |       |      |       |         |       |        |        |       |       |       |   |   |       |       |       |
|                | GSM1900              | -   | -    | -   | -  | GPRS (3 Tx slots) | Front | 5mm  | Ant 0 | -       | ECI 3 | 661    | 1880   | 18.41 | 19.00 | 1.146 | - | - | -0.08 | 0.605 | 0.693 |
|                | GSM1900              | -   | -    | -   | -  | GPRS (3 Tx slots) | Front | 5mm  | Ant 0 | -       | ECI 3 | 512    | 1850.2 | 18.34 | 19.00 | 1.164 | - | - | -0.08 | 0.586 | 0.682 |
|                | GSM1900              | -   | -    | -   | -  | GPRS (3 Tx slots) | Front | 5mm  | Ant 0 | -       | ECI 3 | 810    | 1909.8 | 18.02 | 19.00 | 1.253 | - | - | 0.1   | 0.689 | 0.863 |
|                | GSM1900              | -   | -    | -   | -  | GPRS (3 Tx slots) | Back  | 5mm  | Ant 0 | -       | ECI 3 | 661    | 1880   | 18.41 | 19.00 | 1.146 | - | - | -0.18 | 1.020 | 1.168 |
|                | GSM1900              | -   | -    | -   | -  | GPRS (3 Tx slots) | Back  | 5mm  | Ant 0 | -       | ECI 3 | 512    | 1850.2 | 18.34 | 19.00 | 1.164 | - | - | 0.1   | 0.900 | 1.048 |





**FCC SAR Test Report**

**Report No. : FA391202**

|    |                      |     |      |     |    |                   |       |      |       |         |       |        |        |       |       |       |   |   |       |       |              |
|----|----------------------|-----|------|-----|----|-------------------|-------|------|-------|---------|-------|--------|--------|-------|-------|-------|---|---|-------|-------|--------------|
| 84 | GSM1900              | -   | -    | -   | -  | GPRS (3 Tx slots) | Back  | 5mm  | Ant 0 | -       | ECI 3 | 810    | 1909.8 | 18.02 | 19.00 | 1.253 | - | - | 0.12  | 1.060 | <b>1.328</b> |
|    | GSM1900              | -   | -    | -   | -  | GPRS (3 Tx slots) | Back  | 5mm  | Ant 0 | Headset | ECI 3 | 810    | 1909.8 | 18.02 | 19.00 | 1.253 | - | - | 0.11  | 0.877 | 1.099        |
|    | GSM1900              | -   | -    | -   | -  | GPRS (3 Tx slots) | Front | 12mm | Ant 0 | -       | ECI 4 | 810    | 1909.8 | 26.02 | 27.50 | 1.406 | - | - | 0.08  | 0.874 | 1.229        |
|    | GSM1900              | -   | -    | -   | -  | GPRS (3 Tx slots) | Front | 12mm | Ant 0 | -       | ECI 4 | 661    | 1880   | 26.34 | 27.50 | 1.306 | - | - | 0.01  | 0.877 | 1.146        |
|    | GSM1900              | -   | -    | -   | -  | GPRS (3 Tx slots) | Front | 12mm | Ant 0 | -       | ECI 4 | 512    | 1850.2 | 26.28 | 27.50 | 1.324 | - | - | -0.05 | 0.913 | 1.209        |
|    | GSM1900              | -   | -    | -   | -  | GPRS (3 Tx slots) | Back  | 22mm | Ant 0 | -       | ECI 4 | 810    | 1909.8 | 26.02 | 27.50 | 1.406 | - | - | -0.17 | 0.539 | 0.758        |
|    | WCDMA II             | -   | -    | -   | -  | RMC 12.2Kbps      | Front | 5mm  | Ant 0 | -       | ECI 3 | 9400   | 1880   | 13.48 | 15.00 | 1.419 | - | - | -0.03 | 0.611 | 0.867        |
|    | WCDMA II             | -   | -    | -   | -  | RMC 12.2Kbps      | Front | 5mm  | Ant 0 | -       | ECI 3 | 9262   | 1852.4 | 13.26 | 15.00 | 1.493 | - | - | 0.14  | 0.582 | 0.869        |
|    | WCDMA II             | -   | -    | -   | -  | RMC 12.2Kbps      | Front | 5mm  | Ant 0 | -       | ECI 3 | 9538   | 1907.6 | 13.41 | 15.00 | 1.442 | - | - | 0.11  | 0.582 | 0.839        |
| 85 | WCDMA II             | -   | -    | -   | -  | RMC 12.2Kbps      | Back  | 5mm  | Ant 0 | -       | ECI 3 | 9400   | 1880   | 13.48 | 15.00 | 1.419 | - | - | -0.05 | 1.000 | <b>1.419</b> |
|    | WCDMA II             | -   | -    | -   | -  | RMC 12.2Kbps      | Back  | 5mm  | Ant 0 | Headset | ECI 3 | 9400   | 1880   | 13.48 | 15.00 | 1.419 | - | - | -0.09 | 0.865 | 1.227        |
|    | WCDMA II             | -   | -    | -   | -  | RMC 12.2Kbps      | Back  | 5mm  | Ant 0 | -       | ECI 3 | 9262   | 1852.4 | 13.26 | 15.00 | 1.493 | - | - | 0.18  | 0.807 | 1.205        |
|    | WCDMA II             | -   | -    | -   | -  | RMC 12.2Kbps      | Back  | 5mm  | Ant 0 | -       | ECI 3 | 9538   | 1907.6 | 13.41 | 15.00 | 1.442 | - | - | 0.14  | 0.962 | 1.387        |
|    | WCDMA II             | -   | -    | -   | -  | RMC 12.2Kbps      | Front | 12mm | Ant 0 | -       | ECI 4 | 9400   | 1880   | 22.47 | 24.00 | 1.422 | - | - | -0.17 | 0.940 | 1.337        |
|    | WCDMA II             | -   | -    | -   | -  | RMC 12.2Kbps      | Front | 12mm | Ant 0 | -       | ECI 4 | 9262   | 1852.4 | 22.29 | 24.00 | 1.483 | - | - | -0.09 | 0.853 | 1.265        |
|    | WCDMA II             | -   | -    | -   | -  | RMC 12.2Kbps      | Front | 12mm | Ant 0 | -       | ECI 4 | 9538   | 1907.6 | 22.42 | 24.00 | 1.439 | - | - | 0.02  | 0.911 | 1.311        |
|    | WCDMA II             | -   | -    | -   | -  | RMC 12.2Kbps      | Back  | 22mm | Ant 0 | -       | ECI 4 | 9400   | 1880   | 22.47 | 24.00 | 1.422 | - | - | 0.17  | 0.983 | 1.398        |
|    | LTE Band 25          | 20M | QPSK | 1   | 0  | -                 | Front | 5mm  | Ant 0 | -       | ECI 3 | 26340  | 1880   | 13.85 | 15.00 | 1.303 | - | - | -0.17 | 0.744 | 0.970        |
|    | LTE Band 25          | 20M | QPSK | 1   | 0  | -                 | Front | 5mm  | Ant 0 | -       | ECI 3 | 26140  | 1860   | 13.68 | 15.00 | 1.355 | - | - | -0.1  | 0.706 | 0.957        |
|    | LTE Band 25          | 20M | QPSK | 1   | 0  | -                 | Front | 5mm  | Ant 0 | -       | ECI 3 | 26590  | 1905   | 13.73 | 15.00 | 1.340 | - | - | 0.18  | 0.593 | 0.794        |
|    | LTE Band 25          | 20M | QPSK | 50  | 0  | -                 | Front | 5mm  | Ant 0 | -       | ECI 3 | 26340  | 1880   | 13.77 | 15.00 | 1.327 | - | - | -0.17 | 0.659 | 0.875        |
|    | LTE Band 25          | 20M | QPSK | 50  | 0  | -                 | Front | 5mm  | Ant 0 | -       | ECI 3 | 26140  | 1860   | 13.69 | 15.00 | 1.352 | - | - | -0.04 | 0.565 | 0.764        |
|    | LTE Band 25          | 20M | QPSK | 50  | 0  | -                 | Front | 5mm  | Ant 0 | -       | ECI 3 | 26590  | 1905   | 13.76 | 15.00 | 1.330 | - | - | -0.05 | 0.469 | 0.624        |
|    | LTE Band 25          | 20M | QPSK | 100 | 0  | -                 | Front | 5mm  | Ant 0 | -       | ECI 3 | 26340  | 1880   | 13.84 | 15.00 | 1.306 | - | - | 0     | 0.651 | 0.850        |
| 86 | LTE Band 25          | 20M | QPSK | 1   | 0  | -                 | Back  | 5mm  | Ant 0 | -       | ECI 3 | 26340  | 1880   | 13.85 | 15.00 | 1.303 | - | - | -0.13 | 1.100 | <b>1.433</b> |
|    | LTE Band 25          | 20M | QPSK | 1   | 0  | -                 | Back  | 5mm  | Ant 0 | Headset | ECI 3 | 26340  | 1880   | 13.85 | 15.00 | 1.303 | - | - | -0.09 | 0.933 | 1.216        |
|    | LTE Band 25          | 20M | QPSK | 1   | 0  | -                 | Back  | 5mm  | Ant 0 | -       | ECI 3 | 26140  | 1860   | 13.68 | 15.00 | 1.355 | - | - | -0.01 | 1.000 | 1.355        |
|    | LTE Band 25          | 20M | QPSK | 1   | 0  | -                 | Back  | 5mm  | Ant 0 | -       | ECI 3 | 26590  | 1905   | 13.73 | 15.00 | 1.340 | - | - | -0.09 | 0.842 | 1.128        |
|    | LTE Band 25          | 20M | QPSK | 50  | 0  | -                 | Back  | 5mm  | Ant 0 | -       | ECI 3 | 26340  | 1880   | 13.77 | 15.00 | 1.327 | - | - | 0.05  | 0.907 | 1.204        |
|    | LTE Band 25          | 20M | QPSK | 50  | 0  | -                 | Back  | 5mm  | Ant 0 | -       | ECI 3 | 26140  | 1860   | 13.69 | 15.00 | 1.352 | - | - | 0.02  | 0.841 | 1.137        |
|    | LTE Band 25          | 20M | QPSK | 50  | 0  | -                 | Back  | 5mm  | Ant 0 | -       | ECI 3 | 26590  | 1905   | 13.76 | 15.00 | 1.330 | - | - | -0.13 | 0.665 | 0.885        |
|    | LTE Band 25          | 20M | QPSK | 100 | 0  | -                 | Back  | 5mm  | Ant 0 | -       | ECI 3 | 26340  | 1880   | 13.84 | 15.00 | 1.306 | - | - | 0.17  | 0.901 | 1.177        |
|    | LTE Band 25          | 20M | QPSK | 1   | 0  | -                 | Front | 12mm | Ant 0 | -       | ECI 4 | 26340  | 1880   | 22.79 | 24.00 | 1.321 | - | - | 0     | 0.843 | 1.114        |
|    | LTE Band 25          | 20M | QPSK | 1   | 0  | -                 | Front | 12mm | Ant 0 | -       | ECI 4 | 26140  | 1860   | 22.63 | 24.00 | 1.371 | - | - | -0.02 | 0.811 | 1.112        |
|    | LTE Band 25          | 20M | QPSK | 1   | 0  | -                 | Front | 12mm | Ant 0 | -       | ECI 4 | 26590  | 1905   | 22.74 | 24.00 | 1.337 | - | - | 0.08  | 0.756 | 1.010        |
|    | LTE Band 25          | 20M | QPSK | 1   | 0  | -                 | Back  | 22mm | Ant 0 | -       | ECI 4 | 26340  | 1880   | 22.79 | 24.00 | 1.321 | - | - | -0.04 | 0.552 | 0.729        |
|    | LTE Band 25          | 20M | QPSK | 1   | 0  | -                 | Front | 5mm  | Ant 4 | -       | ECI 3 | 26340  | 1880   | 16.33 | 17.00 | 1.167 | - | - | -0.02 | 0.455 | 0.531        |
|    | LTE Band 25          | 20M | QPSK | 1   | 0  | -                 | Front | 5mm  | Ant 4 | -       | ECI 3 | 26140  | 1860   | 16.03 | 17.00 | 1.250 | - | - | 0.08  | 0.414 | 0.518        |
|    | LTE Band 25          | 20M | QPSK | 1   | 0  | -                 | Front | 5mm  | Ant 4 | -       | ECI 3 | 26590  | 1905   | 16.26 | 17.00 | 1.186 | - | - | 0     | 0.445 | 0.528        |
|    | LTE Band 25          | 20M | QPSK | 50  | 0  | -                 | Front | 5mm  | Ant 4 | -       | ECI 3 | 26340  | 1880   | 16.30 | 17.00 | 1.175 | - | - | -0.12 | 0.361 | 0.424        |
|    | LTE Band 25          | 20M | QPSK | 50  | 0  | -                 | Front | 5mm  | Ant 4 | -       | ECI 3 | 26140  | 1860   | 16.07 | 17.00 | 1.239 | - | - | -0.08 | 0.333 | 0.413        |
|    | LTE Band 25          | 20M | QPSK | 50  | 0  | -                 | Front | 5mm  | Ant 4 | -       | ECI 3 | 26590  | 1905   | 16.19 | 17.00 | 1.205 | - | - | -0.16 | 0.352 | 0.424        |
|    | LTE Band 25          | 20M | QPSK | 100 | 0  | -                 | Front | 5mm  | Ant 4 | -       | ECI 3 | 26340  | 1880   | 16.25 | 17.00 | 1.189 | - | - | 0.18  | 0.355 | 0.422        |
|    | LTE Band 25          | 20M | QPSK | 1   | 0  | -                 | Back  | 5mm  | Ant 4 | -       | ECI 3 | 26340  | 1880   | 16.33 | 17.00 | 1.167 | - | - | -0.08 | 0.791 | 0.923        |
|    | LTE Band 25          | 20M | QPSK | 1   | 0  | -                 | Back  | 5mm  | Ant 4 | -       | ECI 3 | 26140  | 1860   | 16.03 | 17.00 | 1.250 | - | - | 0.04  | 0.719 | 0.899        |
|    | LTE Band 25          | 20M | QPSK | 1   | 0  | -                 | Back  | 5mm  | Ant 4 | -       | ECI 3 | 26590  | 1905   | 16.26 | 17.00 | 1.186 | - | - | -0.07 | 0.775 | 0.919        |
|    | LTE Band 25          | 20M | QPSK | 50  | 0  | -                 | Back  | 5mm  | Ant 4 | -       | ECI 3 | 26340  | 1880   | 16.30 | 17.00 | 1.175 | - | - | 0.13  | 0.626 | 0.735        |
|    | LTE Band 25          | 20M | QPSK | 50  | 0  | -                 | Back  | 5mm  | Ant 4 | -       | ECI 3 | 26140  | 1860   | 16.07 | 17.00 | 1.239 | - | - | -0.07 | 0.570 | 0.706        |
|    | LTE Band 25          | 20M | QPSK | 50  | 0  | -                 | Back  | 5mm  | Ant 4 | -       | ECI 3 | 26590  | 1905   | 16.19 | 17.00 | 1.205 | - | - | 0.11  | 0.610 | 0.735        |
|    | LTE Band 25          | 20M | QPSK | 100 | 0  | -                 | Back  | 5mm  | Ant 4 | -       | ECI 3 | 26340  | 1880   | 16.25 | 17.00 | 1.189 | - | - | -0.12 | 0.610 | 0.725        |
|    | LTE Band 25 Other PA | 20M | QPSK | 1   | 0  | -                 | Back  | 5mm  | Ant 4 | -       | ECI 3 | 26340  | 1880   | 16.04 | 17.00 | 1.247 | - | - | -0.08 | 0.731 | 0.912        |
|    | LTE Band 25          | 20M | QPSK | 1   | 0  | -                 | Front | 12mm | Ant 4 | -       | ECI 4 | 26340  | 1880   | 21.27 | 22.00 | 1.183 | - | - | -0.16 | 0.230 | 0.272        |
|    | LTE Band 25          | 20M | QPSK | 1   | 0  | -                 | Back  | 22mm | Ant 4 | -       | ECI 4 | 26340  | 1880   | 21.27 | 22.00 | 1.183 | - | - | 0     | 0.136 | 0.161        |
|    | FR1 n25              | 45M | QPSK | 1   | 61 | DFT-SCS-15KHz     | Front | 5mm  | Ant 0 | -       | ECI 3 | 376500 | 1882.5 | 16.24 | 17.00 | 1.191 | - | - | 0.08  | 0.465 | 0.554        |
|    | FR1 n25              | 45M | QPSK | 121 | 61 | DFT-SCS-15KHz     | Front | 5mm  | Ant 0 | -       | ECI 3 | 376500 | 1882.5 | 16.16 | 17.00 | 1.213 | - | - | 0.01  | 0.555 | 0.673        |
|    | FR1 n25              | 45M | QPSK | 242 | 0  | DFT-SCS-15KHz     | Front | 5mm  | Ant 0 | -       | ECI 3 | 376500 | 1882.5 | 16.04 | 17.00 | 1.247 | - | - | 0.03  | 0.447 | 0.558        |
|    | FR1 n25              | 45M | QPSK | 1   | 61 | DFT-SCS-15KHz     | Back  | 5mm  | Ant 0 | -       | ECI 3 | 376500 | 1882.5 | 16.24 | 17.00 | 1.191 | - | - | -0.08 | 0.715 | 0.852        |



**FCC SAR Test Report**

**Report No. : FA391202**

|                |                  |     |      |     |    |               |       |      |       |         |       |        |        |       |       |       |   |   |       |       |              |
|----------------|------------------|-----|------|-----|----|---------------|-------|------|-------|---------|-------|--------|--------|-------|-------|-------|---|---|-------|-------|--------------|
| 87             | FR1 n25          | 45M | QPSK | 121 | 61 | DFT-SCS-15KHz | Back  | 5mm  | Ant 0 | -       | ECI 3 | 376500 | 1882.5 | 16.16 | 17.00 | 1.213 | - | - | 0.11  | 0.985 | <b>1.195</b> |
|                | FR1 n25          | 45M | QPSK | 121 | 61 | DFT-SCS-15KHz | Back  | 5mm  | Ant 0 | Headset | ECI 3 | 376500 | 1882.5 | 16.16 | 17.00 | 1.213 | - | - | 0.11  | 0.901 | 1.093        |
|                | FR1 n25          | 45M | QPSK | 242 | 0  | DFT-SCS-15KHz | Back  | 5mm  | Ant 0 | -       | ECI 3 | 376500 | 1882.5 | 16.04 | 17.00 | 1.247 | - | - | -0.08 | 0.674 | 0.841        |
|                | FR1 n25          | 45M | QPSK | 121 | 61 | DFT-SCS-15KHz | Front | 12mm | Ant 0 | -       | ECI 4 | 376500 | 1882.5 | 23.11 | 24.00 | 1.227 | - | - | -0.18 | 0.663 | 0.814        |
|                | FR1 n25          | 45M | QPSK | 121 | 61 | DFT-SCS-15KHz | Back  | 22mm | Ant 0 | -       | ECI 4 | 376500 | 1882.5 | 23.11 | 24.00 | 1.227 | - | - | 0.15  | 0.406 | 0.498        |
|                | FR1 n25          | 45M | QPSK | 1   | 61 | DFT-SCS-15KHz | Front | 5mm  | Ant 4 | -       | ECI 3 | 376500 | 1882.5 | 19.03 | 20.00 | 1.250 | - | - | 0.14  | 0.455 | 0.569        |
|                | FR1 n25          | 45M | QPSK | 121 | 61 | DFT-SCS-15KHz | Front | 5mm  | Ant 4 | -       | ECI 3 | 376500 | 1882.5 | 19.02 | 20.00 | 1.253 | - | - | -0.17 | 0.501 | 0.628        |
|                | FR1 n25          | 45M | QPSK | 242 | 0  | DFT-SCS-15KHz | Front | 5mm  | Ant 4 | -       | ECI 3 | 376500 | 1882.5 | 18.96 | 20.00 | 1.271 | - | - | 0.17  | 0.368 | 0.468        |
|                | FR1 n25          | 45M | QPSK | 1   | 61 | DFT-SCS-15KHz | Back  | 5mm  | Ant 4 | -       | ECI 3 | 376500 | 1882.5 | 19.03 | 20.00 | 1.250 | - | - | -0.05 | 0.649 | 0.811        |
|                | FR1 n25          | 45M | QPSK | 121 | 61 | DFT-SCS-15KHz | Back  | 5mm  | Ant 4 | -       | ECI 3 | 376500 | 1882.5 | 19.02 | 20.00 | 1.253 | - | - | -0.16 | 0.756 | 0.947        |
|                | FR1 n25          | 45M | QPSK | 242 | 0  | DFT-SCS-15KHz | Back  | 5mm  | Ant 4 | -       | ECI 3 | 376500 | 1882.5 | 18.96 | 20.00 | 1.271 | - | - | 0.01  | 0.612 | 0.778        |
|                | FR1 n25 Other PA | 45M | QPSK | 121 | 61 | DFT-SCS-15KHz | Back  | 5mm  | Ant 4 | -       | ECI 3 | 376500 | 1882.5 | 18.81 | 20.00 | 1.315 | - | - | -0.06 | 0.661 | 0.869        |
|                | FR1 n25          | 45M | QPSK | 121 | 61 | DFT-SCS-15KHz | Front | 12mm | Ant 4 | -       | ECI 4 | 376500 | 1882.5 | 22.00 | 23.00 | 1.259 | - | - | -0.03 | 0.239 | 0.301        |
|                | FR1 n25          | 45M | QPSK | 121 | 61 | DFT-SCS-15KHz | Back  | 22mm | Ant 4 | -       | ECI 4 | 376500 | 1882.5 | 22.00 | 23.00 | 1.259 | - | - | -0.05 | 0.147 | 0.185        |
| <b>2300MHz</b> |                  |     |      |     |    |               |       |      |       |         |       |        |        |       |       |       |   |   |       |       |              |
|                | LTE Band 30      | 10M | QPSK | 1   | 0  | -             | Front | 5mm  | Ant 1 | -       | ECI 3 | 27710  | 2310   | 17.88 | 19.50 | 1.452 | - | - | 0.07  | 0.593 | 0.861        |
|                | LTE Band 30      | 10M | QPSK | 25  | 0  | -             | Front | 5mm  | Ant 1 | -       | ECI 3 | 27710  | 2310   | 17.87 | 19.50 | 1.455 | - | - | 0     | 0.466 | 0.678        |
|                | LTE Band 30      | 10M | QPSK | 50  | 0  | -             | Front | 5mm  | Ant 1 | -       | ECI 3 | 27710  | 2310   | 17.85 | 19.50 | 1.462 | - | - | 0.01  | 0.466 | 0.681        |
| 88             | LTE Band 30      | 10M | QPSK | 1   | 0  | -             | Back  | 5mm  | Ant 1 | -       | ECI 3 | 27710  | 2310   | 17.88 | 19.50 | 1.452 | - | - | -0.09 | 0.980 | <b>1.423</b> |
|                | LTE Band 30      | 10M | QPSK | 1   | 0  | -             | Back  | 5mm  | Ant 1 | Headset | ECI 3 | 27710  | 2310   | 17.88 | 19.50 | 1.452 | - | - | 0.08  | 0.762 | 1.107        |
|                | LTE Band 30      | 10M | QPSK | 25  | 0  | -             | Back  | 5mm  | Ant 1 | -       | ECI 3 | 27710  | 2310   | 17.87 | 19.50 | 1.455 | - | - | -0.01 | 0.857 | 1.247        |
|                | LTE Band 30      | 10M | QPSK | 50  | 0  | -             | Back  | 5mm  | Ant 1 | -       | ECI 3 | 27710  | 2310   | 17.85 | 19.50 | 1.462 | - | - | -0.06 | 0.857 | 1.253        |
|                | LTE Band 30      | 10M | QPSK | 1   | 0  | -             | Front | 12mm | Ant 1 | -       | ECI 4 | 27710  | 2310   | 22.34 | 24.00 | 1.466 | - | - | -0.04 | 0.157 | 0.230        |
|                | LTE Band 30      | 10M | QPSK | 1   | 0  | -             | Back  | 22mm | Ant 1 | -       | ECI 4 | 27710  | 2310   | 22.34 | 24.00 | 1.466 | - | - | -0.09 | 0.096 | 0.141        |
|                | LTE Band 30 ENDC | 10M | QPSK | 1   | 0  | -             | Front | 5mm  | Ant 4 | -       | ECI 3 | 27710  | 2310   | 13.98 | 15.50 | 1.419 | - | - | -0.14 | 0.263 | 0.373        |
|                | LTE Band 30 ENDC | 10M | QPSK | 25  | 0  | -             | Front | 5mm  | Ant 4 | -       | ECI 3 | 27710  | 2310   | 13.97 | 15.50 | 1.422 | - | - | -0.17 | 0.188 | 0.267        |
|                | LTE Band 30 ENDC | 10M | QPSK | 50  | 0  | -             | Front | 5mm  | Ant 4 | -       | ECI 3 | 27710  | 2310   | 13.95 | 15.50 | 1.429 | - | - | 0.05  | 0.205 | 0.293        |
|                | LTE Band 30 ENDC | 10M | QPSK | 1   | 0  | -             | Back  | 5mm  | Ant 4 | -       | ECI 3 | 27710  | 2310   | 13.98 | 15.50 | 1.419 | - | - | 0.13  | 0.358 | 0.508        |
|                | LTE Band 30 ENDC | 10M | QPSK | 25  | 0  | -             | Back  | 5mm  | Ant 4 | -       | ECI 3 | 27710  | 2310   | 13.97 | 15.50 | 1.422 | - | - | 0.05  | 0.362 | 0.515        |
|                | LTE Band 30 ENDC | 10M | QPSK | 50  | 0  | -             | Back  | 5mm  | Ant 4 | -       | ECI 3 | 27710  | 2310   | 13.95 | 15.50 | 1.429 | - | - | -0.03 | 0.347 | 0.496        |
|                | LTE Band 30 ENDC | 10M | QPSK | 1   | 0  | -             | Front | 12mm | Ant 4 | -       | ECI 4 | 27710  | 2310   | 22.43 | 23.00 | 1.140 | - | - | -0.12 | 0.379 | 0.432        |
|                | LTE Band 30 ENDC | 10M | QPSK | 1   | 0  | -             | Back  | 22mm | Ant 4 | -       | ECI 4 | 27710  | 2310   | 22.43 | 23.00 | 1.140 | - | - | 0     | 0.248 | 0.283        |
|                | FR1 n30          | 10M | QPSK | 1   | 1  | DFT-SCS-15KHz | Front | 5mm  | Ant 1 | -       | ECI 3 | 462000 | 2310   | 20.86 | 21.50 | 1.159 | - | - | 0.18  | 0.544 | 0.630        |
|                | FR1 n30          | 10M | QPSK | 25  | 14 | DFT-SCS-15KHz | Front | 5mm  | Ant 1 | -       | ECI 3 | 462000 | 2310   | 20.81 | 21.50 | 1.172 | - | - | 0.16  | 0.560 | 0.656        |
|                | FR1 n30          | 10M | QPSK | 50  | 0  | DFT-SCS-15KHz | Front | 5mm  | Ant 1 | -       | ECI 3 | 462000 | 2310   | 20.75 | 21.50 | 1.189 | - | - | -0.1  | 0.435 | 0.517        |
|                | FR1 n30          | 10M | QPSK | 1   | 1  | DFT-SCS-15KHz | Back  | 5mm  | Ant 1 | -       | ECI 3 | 462000 | 2310   | 20.86 | 21.50 | 1.159 | - | - | 0.07  | 0.897 | 1.039        |
| 89             | FR1 n30          | 10M | QPSK | 25  | 14 | DFT-SCS-15KHz | Back  | 5mm  | Ant 1 | -       | ECI 3 | 462000 | 2310   | 20.81 | 21.50 | 1.172 | - | - | 0.02  | 1.020 | <b>1.196</b> |
|                | FR1 n30          | 10M | QPSK | 25  | 14 | DFT-SCS-15KHz | Back  | 5mm  | Ant 1 | Headset | ECI 3 | 462000 | 2310   | 20.81 | 21.50 | 1.172 | - | - | -0.05 | 0.877 | 1.028        |
|                | FR1 n30          | 10M | QPSK | 50  | 0  | DFT-SCS-15KHz | Back  | 5mm  | Ant 1 | -       | ECI 3 | 462000 | 2310   | 20.75 | 21.50 | 1.189 | - | - | 0.18  | 0.752 | 0.894        |
|                | FR1 n30          | 10M | QPSK | 25  | 14 | DFT-SCS-15KHz | Front | 12mm | Ant 1 | -       | ECI 4 | 462000 | 2310   | 23.21 | 24.00 | 1.199 | - | - | 0.1   | 0.293 | 0.351        |
|                | FR1 n30          | 10M | QPSK | 25  | 14 | DFT-SCS-15KHz | Back  | 22mm | Ant 1 | -       | ECI 4 | 462000 | 2310   | 23.21 | 24.00 | 1.199 | - | - | -0.01 | 0.142 | 0.170        |
| <b>2600MHz</b> |                  |     |      |     |    |               |       |      |       |         |       |        |        |       |       |       |   |   |       |       |              |
|                | LTE Band 7       | 20M | QPSK | 1   | 0  | -             | Front | 5mm  | Ant 1 | -       | ECI 3 | 21100  | 2535   | 16.60 | 18.00 | 1.380 | - | - | -0.12 | 0.559 | 0.772        |
|                | LTE Band 7       | 20M | QPSK | 1   | 0  | -             | Front | 5mm  | Ant 1 | -       | ECI 3 | 20850  | 2510   | 16.37 | 18.00 | 1.455 | - | - | -0.16 | 0.602 | 0.876        |
|                | LTE Band 7       | 20M | QPSK | 1   | 0  | -             | Front | 5mm  | Ant 1 | -       | ECI 3 | 21350  | 2560   | 16.16 | 18.00 | 1.528 | - | - | -0.03 | 0.556 | 0.849        |
|                | LTE Band 7       | 20M | QPSK | 50  | 0  | -             | Front | 5mm  | Ant 1 | -       | ECI 3 | 21100  | 2535   | 16.59 | 18.00 | 1.384 | - | - | 0.17  | 0.444 | 0.614        |
|                | LTE Band 7       | 20M | QPSK | 50  | 0  | -             | Front | 5mm  | Ant 1 | -       | ECI 3 | 20850  | 2510   | 16.36 | 18.00 | 1.459 | - | - | 0.02  | 0.472 | 0.689        |
|                | LTE Band 7       | 20M | QPSK | 50  | 0  | -             | Front | 5mm  | Ant 1 | -       | ECI 3 | 21350  | 2560   | 16.10 | 18.00 | 1.549 | - | - | 0     | 0.436 | 0.675        |
|                | LTE Band 7       | 20M | QPSK | 100 | 0  | -             | Front | 5mm  | Ant 1 | -       | ECI 3 | 21100  | 2535   | 16.56 | 18.00 | 1.393 | - | - | 0.18  | 0.439 | 0.612        |
|                | LTE Band 7       | 20M | QPSK | 1   | 0  | -             | Back  | 5mm  | Ant 1 | -       | ECI 3 | 21100  | 2535   | 16.60 | 18.00 | 1.380 | - | - | -0.11 | 0.836 | 1.154        |
| 90             | LTE Band 7       | 20M | QPSK | 1   | 0  | -             | Back  | 5mm  | Ant 1 | -       | ECI 3 | 20850  | 2510   | 16.37 | 18.00 | 1.455 | - | - | 0.06  | 0.913 | <b>1.329</b> |
|                | LTE Band 7       | 20M | QPSK | 1   | 0  | -             | Back  | 5mm  | Ant 1 | Headset | ECI 3 | 20850  | 2510   | 16.37 | 18.00 | 1.455 | - | - | -0.03 | 0.819 | 1.192        |
|                | LTE Band 7       | 20M | QPSK | 1   | 0  | -             | Back  | 5mm  | Ant 1 | -       | ECI 3 | 21350  | 2560   | 16.16 | 18.00 | 1.528 | - | - | -0.05 | 0.859 | 1.312        |
|                | LTE Band 7       | 20M | QPSK | 50  | 0  | -             | Back  | 5mm  | Ant 1 | -       | ECI 3 | 21100  | 2535   | 16.59 | 18.00 | 1.384 | - | - | -0.04 | 0.661 | 0.915        |
|                | LTE Band 7       | 20M | QPSK | 50  | 0  | -             | Back  | 5mm  | Ant 1 | -       | ECI 3 | 20850  | 2510   | 16.36 | 18.00 | 1.459 | - | - | -0.08 | 0.714 | 1.042        |
|                | LTE Band 7       | 20M | QPSK | 50  | 0  | -             | Back  | 5mm  | Ant 1 | -       | ECI 3 | 21350  | 2560   | 16.10 | 18.00 | 1.549 | - | - | 0     | 0.671 | 1.039        |
|                | LTE Band 7       | 20M | QPSK | 100 | 0  | -             | Back  | 5mm  | Ant 1 | -       | ECI 3 | 21100  | 2535   | 16.56 | 18.00 | 1.393 | - | - | -0.14 | 0.661 | 0.921        |



**FCC SAR Test Report**

**Report No. : FA391202**

|    |                  |     |      |     |    |   |       |      |       |         |       |             |             |       |       |       |      |       |       |       |       |
|----|------------------|-----|------|-----|----|---|-------|------|-------|---------|-------|-------------|-------------|-------|-------|-------|------|-------|-------|-------|-------|
|    | LTE Band 7       | 20M | QPSK | 1   | 0  | - | Front | 12mm | Ant 1 | -       | ECI 4 | 20850       | 2510        | 22.41 | 24.00 | 1.442 | -    | -     | 0.01  | 0.304 | 0.438 |
|    | LTE Band 7       | 20M | QPSK | 1   | 0  | - | Back  | 22mm | Ant 1 | -       | ECI 4 | 20850       | 2510        | 22.41 | 24.00 | 1.442 | -    | -     | 0.18  | 0.167 | 0.241 |
|    | LTE Band 7 ENDC  | 20M | QPSK | 1   | 0  | - | Front | 5mm  | Ant 4 | -       | ECI 3 | 21100       | 2535        | 11.12 | 12.50 | 1.374 | -    | -     | -0.03 | 0.194 | 0.267 |
|    | LTE Band 7 ENDC  | 20M | QPSK | 1   | 0  | - | Front | 5mm  | Ant 4 | -       | ECI 3 | 20850       | 2510        | 11.02 | 12.50 | 1.406 | -    | -     | 0.11  | 0.194 | 0.273 |
|    | LTE Band 7 ENDC  | 20M | QPSK | 1   | 0  | - | Front | 5mm  | Ant 4 | -       | ECI 3 | 21350       | 2560        | 11.04 | 12.50 | 1.400 | -    | -     | 0.08  | 0.180 | 0.252 |
|    | LTE Band 7 ENDC  | 20M | QPSK | 50  | 0  | - | Front | 5mm  | Ant 4 | -       | ECI 3 | 21100       | 2535        | 11.04 | 12.50 | 1.400 | -    | -     | 0.07  | 0.159 | 0.223 |
|    | LTE Band 7 ENDC  | 20M | QPSK | 50  | 0  | - | Front | 5mm  | Ant 4 | -       | ECI 3 | 20850       | 2510        | 11.03 | 12.50 | 1.403 | -    | -     | 0.09  | 0.156 | 0.219 |
|    | LTE Band 7 ENDC  | 20M | QPSK | 50  | 0  | - | Front | 5mm  | Ant 4 | -       | ECI 3 | 21350       | 2560        | 10.96 | 12.50 | 1.426 | -    | -     | -0.12 | 0.145 | 0.207 |
|    | LTE Band 7 ENDC  | 20M | QPSK | 100 | 0  | - | Front | 5mm  | Ant 4 | -       | ECI 3 | 21100       | 2535        | 11.03 | 12.50 | 1.403 | -    | -     | 0.1   | 0.166 | 0.233 |
|    | LTE Band 7 ENDC  | 20M | QPSK | 1   | 0  | - | Back  | 5mm  | Ant 4 | -       | ECI 3 | 21100       | 2535        | 11.12 | 12.50 | 1.374 | -    | -     | -0.16 | 0.356 | 0.489 |
|    | LTE Band 7 ENDC  | 20M | QPSK | 1   | 0  | - | Back  | 5mm  | Ant 4 | -       | ECI 3 | 20850       | 2510        | 11.02 | 12.50 | 1.406 | -    | -     | -0.1  | 0.361 | 0.508 |
|    | LTE Band 7 ENDC  | 20M | QPSK | 1   | 0  | - | Back  | 5mm  | Ant 4 | -       | ECI 3 | 21350       | 2560        | 11.04 | 12.50 | 1.400 | -    | -     | 0.17  | 0.326 | 0.456 |
|    | LTE Band 7 ENDC  | 20M | QPSK | 50  | 0  | - | Back  | 5mm  | Ant 4 | -       | ECI 3 | 21100       | 2535        | 11.04 | 12.50 | 1.400 | -    | -     | 0.12  | 0.282 | 0.395 |
|    | LTE Band 7 ENDC  | 20M | QPSK | 50  | 0  | - | Back  | 5mm  | Ant 4 | -       | ECI 3 | 20850       | 2510        | 11.03 | 12.50 | 1.403 | -    | -     | -0.11 | 0.309 | 0.433 |
|    | LTE Band 7 ENDC  | 20M | QPSK | 50  | 0  | - | Back  | 5mm  | Ant 4 | -       | ECI 3 | 21350       | 2560        | 10.96 | 12.50 | 1.426 | -    | -     | -0.12 | 0.252 | 0.359 |
|    | LTE Band 7 ENDC  | 20M | QPSK | 100 | 0  | - | Back  | 5mm  | Ant 4 | -       | ECI 3 | 21100       | 2535        | 11.03 | 12.50 | 1.403 | -    | -     | -0.1  | 0.307 | 0.431 |
|    | LTE Band 7 ENDC  | 20M | QPSK | 1   | 0  | - | Front | 12mm | Ant 4 | -       | ECI 4 | 20850       | 2510        | 22.53 | 24.00 | 1.403 | -    | -     | 0.16  | 0.443 | 0.621 |
|    | LTE Band 7 ENDC  | 20M | QPSK | 1   | 0  | - | Back  | 22mm | Ant 4 | -       | ECI 4 | 20850       | 2510        | 22.53 | 24.00 | 1.403 | -    | -     | -0.09 | 0.357 | 0.501 |
|    | LTE Band 41      | 20M | QPSK | 1   | 0  | - | Front | 5mm  | Ant 1 | -       | ECI 3 | 40620       | 2593        | 19.67 | 21.00 | 1.358 | 62.9 | 1.006 | 0.04  | 0.516 | 0.705 |
|    | LTE Band 41      | 20M | QPSK | 1   | 0  | - | Front | 5mm  | Ant 1 | -       | ECI 3 | 39750       | 2506        | 19.34 | 21.00 | 1.466 | 62.9 | 1.006 | 0.17  | 0.529 | 0.780 |
|    | LTE Band 41      | 20M | QPSK | 1   | 0  | - | Front | 5mm  | Ant 1 | -       | ECI 3 | 40185       | 2549.5      | 19.47 | 21.00 | 1.422 | 62.9 | 1.006 | 0.06  | 0.542 | 0.776 |
|    | LTE Band 41      | 20M | QPSK | 1   | 0  | - | Front | 5mm  | Ant 1 | -       | ECI 3 | 41055       | 2636.5      | 19.54 | 21.00 | 1.400 | 62.9 | 1.006 | -0.18 | 0.462 | 0.650 |
|    | LTE Band 41      | 20M | QPSK | 1   | 0  | - | Front | 5mm  | Ant 1 | -       | ECI 3 | 41490       | 2680        | 19.34 | 21.00 | 1.466 | 62.9 | 1.006 | 0.06  | 0.471 | 0.694 |
|    | LTE Band 41      | 20M | QPSK | 50  | 0  | - | Front | 5mm  | Ant 1 | -       | ECI 3 | 40620       | 2593        | 19.60 | 21.00 | 1.380 | 62.9 | 1.006 | 0.18  | 0.442 | 0.614 |
|    | LTE Band 41      | 20M | QPSK | 50  | 0  | - | Front | 5mm  | Ant 1 | -       | ECI 3 | 39750       | 2506        | 19.45 | 21.00 | 1.429 | 62.9 | 1.006 | 0.17  | 0.416 | 0.598 |
|    | LTE Band 41      | 20M | QPSK | 50  | 0  | - | Front | 5mm  | Ant 1 | -       | ECI 3 | 40185       | 2549.5      | 19.44 | 21.00 | 1.432 | 62.9 | 1.006 | -0.16 | 0.425 | 0.612 |
|    | LTE Band 41      | 20M | QPSK | 50  | 0  | - | Front | 5mm  | Ant 1 | -       | ECI 3 | 41055       | 2636.5      | 19.52 | 21.00 | 1.406 | 62.9 | 1.006 | -0.08 | 0.369 | 0.522 |
|    | LTE Band 41      | 20M | QPSK | 50  | 0  | - | Front | 5mm  | Ant 1 | -       | ECI 3 | 41490       | 2680        | 19.26 | 21.00 | 1.493 | 62.9 | 1.006 | 0.03  | 0.372 | 0.559 |
|    | LTE Band 41      | 20M | QPSK | 100 | 0  | - | Front | 5mm  | Ant 1 | -       | ECI 3 | 40620       | 2593        | 19.55 | 21.00 | 1.396 | 62.9 | 1.006 | 0.12  | 0.402 | 0.565 |
|    | LTE Band 41      | 20M | QPSK | 1   | 0  | - | Back  | 5mm  | Ant 1 | -       | ECI 3 | 40620       | 2593        | 19.67 | 21.00 | 1.358 | 62.9 | 1.006 | -0.17 | 0.821 | 1.122 |
|    | LTE Band 41      | 20M | QPSK | 1   | 0  | - | Back  | 5mm  | Ant 1 | -       | ECI 3 | 39750       | 2506        | 19.34 | 21.00 | 1.466 | 62.9 | 1.006 | 0.02  | 0.739 | 1.090 |
|    | LTE Band 41      | 20M | QPSK | 1   | 0  | - | Back  | 5mm  | Ant 1 | -       | ECI 3 | 40185       | 2549.5      | 19.47 | 21.00 | 1.422 | 62.9 | 1.006 | -0.07 | 0.736 | 1.053 |
|    | LTE Band 41C     | 20M | QPSK | 1   | 99 | - | Back  | 5mm  | Ant 1 | -       | ECI 3 | 40620+40818 | 2593+2612.8 | 19.45 | 21.00 | 1.429 | 62.9 | 1.006 | -0.09 | 0.726 | 1.044 |
|    | LTE Band 41      | 20M | QPSK | 1   | 0  | - | Back  | 5mm  | Ant 1 | Headset | ECI 3 | 40620       | 2593        | 19.67 | 21.00 | 1.358 | 62.9 | 1.006 | -0.01 | 0.590 | 0.806 |
|    | LTE Band 41      | 20M | QPSK | 1   | 0  | - | Back  | 5mm  | Ant 1 | -       | ECI 3 | 41055       | 2636.5      | 19.54 | 21.00 | 1.400 | 62.9 | 1.006 | -0.03 | 0.782 | 1.101 |
|    | LTE Band 41      | 20M | QPSK | 1   | 0  | - | Back  | 5mm  | Ant 1 | -       | ECI 3 | 41490       | 2680        | 19.34 | 21.00 | 1.466 | 62.9 | 1.006 | 0     | 0.754 | 1.112 |
|    | LTE Band 41      | 20M | QPSK | 50  | 0  | - | Back  | 5mm  | Ant 1 | -       | ECI 3 | 40620       | 2593        | 19.60 | 21.00 | 1.380 | 62.9 | 1.006 | 0.09  | 0.644 | 0.894 |
|    | LTE Band 41      | 20M | QPSK | 50  | 0  | - | Back  | 5mm  | Ant 1 | -       | ECI 3 | 39750       | 2506        | 19.45 | 21.00 | 1.429 | 62.9 | 1.006 | -0.07 | 0.631 | 0.907 |
|    | LTE Band 41      | 20M | QPSK | 50  | 0  | - | Back  | 5mm  | Ant 1 | -       | ECI 3 | 40185       | 2549.5      | 19.44 | 21.00 | 1.432 | 62.9 | 1.006 | -0.16 | 0.644 | 0.928 |
|    | LTE Band 41      | 20M | QPSK | 50  | 0  | - | Back  | 5mm  | Ant 1 | -       | ECI 3 | 41055       | 2636.5      | 19.52 | 21.00 | 1.406 | 62.9 | 1.006 | -0.03 | 0.622 | 0.880 |
|    | LTE Band 41      | 20M | QPSK | 50  | 0  | - | Back  | 5mm  | Ant 1 | -       | ECI 3 | 41490       | 2680        | 19.26 | 21.00 | 1.493 | 62.9 | 1.006 | 0.03  | 0.627 | 0.942 |
|    | LTE Band 41      | 20M | QPSK | 100 | 0  | - | Back  | 5mm  | Ant 1 | -       | ECI 3 | 40620       | 2593        | 19.55 | 21.00 | 1.396 | 62.9 | 1.006 | 0.1   | 0.644 | 0.905 |
| 91 | LTE Band 41 PC2  | 20M | QPSK | 1   | 0  | - | Back  | 5mm  | Ant 1 | -       | ECI 3 | 40620       | 2593        | 22.64 | 24.00 | 1.368 | 42.9 | 1.009 | 0.03  | 1.010 | 1.394 |
|    | LTE Band 41 PC2  | 20M | QPSK | 1   | 0  | - | Back  | 5mm  | Ant 1 | Headset | ECI 3 | 40620       | 2593        | 22.64 | 24.00 | 1.368 | 42.9 | 1.009 | 0.02  | 0.855 | 1.180 |
|    | LTE Band 41C PC2 | 20M | QPSK | 1   | 99 | - | Back  | 5mm  | Ant 1 | -       | ECI 3 | 40620+40818 | 2593+2612.8 | 22.43 | 24.00 | 1.435 | 42.9 | 1.009 | -0.09 | 0.818 | 1.185 |
|    | LTE Band 41      | 20M | QPSK | 1   | 0  | - | Front | 12mm | Ant 1 | -       | ECI 4 | 40185       | 2549.5      | 22.46 | 24.00 | 1.426 | 62.9 | 1.006 | 0.06  | 0.163 | 0.234 |
|    | LTE Band 41      | 20M | QPSK | 1   | 0  | - | Back  | 22mm | Ant 1 | -       | ECI 4 | 40620       | 2593        | 22.59 | 24.00 | 1.384 | 62.9 | 1.006 | 0.12  | 0.093 | 0.129 |
|    | LTE Band 41 PC2  | 20M | QPSK | 1   | 0  | - | Back  | 22mm | Ant 1 | -       | ECI 4 | 40620       | 2593        | 25.56 | 27.00 | 1.393 | 42.9 | 1.009 | 0.02  | 0.131 | 0.184 |
|    | LTE Band 41      | 20M | QPSK | 1   | 0  | - | Front | 5mm  | Ant 4 | -       | ECI 3 | 40620       | 2593        | 15.20 | 16.00 | 1.202 | 62.9 | 1.006 | -0.03 | 0.363 | 0.439 |
|    | LTE Band 41      | 20M | QPSK | 1   | 0  | - | Front | 5mm  | Ant 4 | -       | ECI 3 | 39750       | 2506        | 14.81 | 16.00 | 1.315 | 62.9 | 1.006 | 0.02  | 0.353 | 0.467 |
|    | LTE Band 41      | 20M | QPSK | 1   | 0  | - | Front | 5mm  | Ant 4 | -       | ECI 3 | 40185       | 2549.5      | 14.90 | 16.00 | 1.288 | 62.9 | 1.006 | 0.11  | 0.414 | 0.537 |
|    | LTE Band 41      | 20M | QPSK | 1   | 0  | - | Front | 5mm  | Ant 4 | -       | ECI 3 | 41055       | 2636.5      | 15.06 | 16.00 | 1.242 | 62.9 | 1.006 | -0.17 | 0.249 | 0.311 |
|    | LTE Band 41      | 20M | QPSK | 1   | 0  | - | Front | 5mm  | Ant 4 | -       | ECI 3 | 41490       | 2680        | 15.05 | 16.00 | 1.245 | 62.9 | 1.006 | -0.04 | 0.178 | 0.223 |
|    | LTE Band 41      | 20M | QPSK | 50  | 0  | - | Front | 5mm  | Ant 4 | -       | ECI 3 | 40620       | 2593        | 15.13 | 16.00 | 1.222 | 62.9 | 1.006 | -0.17 | 0.269 | 0.331 |
|    | LTE Band 41      | 20M | QPSK | 50  | 0  | - | Front | 5mm  | Ant 4 | -       | ECI 3 | 39750       | 2506        | 14.77 | 16.00 | 1.327 | 62.9 | 1.006 | 0.04  | 0.284 | 0.379 |
|    | LTE Band 41      | 20M | QPSK | 50  | 0  | - | Front | 5mm  | Ant 4 | -       | ECI 3 | 40185       | 2549.5      | 14.87 | 16.00 | 1.297 | 62.9 | 1.006 | 0.01  | 0.326 | 0.425 |
|    | LTE Band 41      | 20M | QPSK | 50  | 0  | - | Front | 5mm  | Ant 4 | -       | ECI 3 | 41055       | 2636.5      | 15.05 | 16.00 | 1.245 | 62.9 | 1.006 | 0.04  | 0.198 | 0.248 |



**FCC SAR Test Report**

**Report No. : FA391202**

|    |                 |     |      |     |    |               |       |      |       |   |       |        |        |       |       |       |      |       |       |       |       |
|----|-----------------|-----|------|-----|----|---------------|-------|------|-------|---|-------|--------|--------|-------|-------|-------|------|-------|-------|-------|-------|
|    | LTE Band 41     | 20M | QPSK | 50  | 0  | -             | Front | 5mm  | Ant 4 | - | ECI 3 | 41490  | 2680   | 14.96 | 16.00 | 1.271 | 62.9 | 1.006 | -0.06 | 0.140 | 0.179 |
|    | LTE Band 41     | 20M | QPSK | 100 | 0  | -             | Front | 5mm  | Ant 4 | - | ECI 3 | 40620  | 2593   | 15.11 | 16.00 | 1.227 | 62.9 | 1.006 | 0.16  | 0.281 | 0.347 |
|    | LTE Band 41     | 20M | QPSK | 1   | 0  | -             | Back  | 5mm  | Ant 4 | - | ECI 3 | 40620  | 2593   | 15.20 | 16.00 | 1.202 | 62.9 | 1.006 | 0.1   | 0.604 | 0.731 |
|    | LTE Band 41     | 20M | QPSK | 1   | 0  | -             | Back  | 5mm  | Ant 4 | - | ECI 3 | 39750  | 2506   | 14.81 | 16.00 | 1.315 | 62.9 | 1.006 | -0.03 | 0.604 | 0.799 |
|    | LTE Band 41     | 20M | QPSK | 1   | 0  | -             | Back  | 5mm  | Ant 4 | - | ECI 3 | 40185  | 2549.5 | 14.90 | 16.00 | 1.288 | 62.9 | 1.006 | 0.09  | 0.692 | 0.897 |
|    | LTE Band 41     | 20M | QPSK | 1   | 0  | -             | Back  | 5mm  | Ant 4 | - | ECI 3 | 41055  | 2636.5 | 15.06 | 16.00 | 1.242 | 62.9 | 1.006 | -0.13 | 0.407 | 0.508 |
|    | LTE Band 41     | 20M | QPSK | 1   | 0  | -             | Back  | 5mm  | Ant 4 | - | ECI 3 | 41490  | 2680   | 15.05 | 16.00 | 1.245 | 62.9 | 1.006 | -0.17 | 0.296 | 0.371 |
|    | LTE Band 41     | 20M | QPSK | 50  | 0  | -             | Back  | 5mm  | Ant 4 | - | ECI 3 | 40620  | 2593   | 15.13 | 16.00 | 1.222 | 62.9 | 1.006 | -0.1  | 0.465 | 0.572 |
|    | LTE Band 41     | 20M | QPSK | 50  | 0  | -             | Back  | 5mm  | Ant 4 | - | ECI 3 | 39750  | 2506   | 14.77 | 16.00 | 1.327 | 62.9 | 1.006 | 0.17  | 0.472 | 0.630 |
|    | LTE Band 41     | 20M | QPSK | 50  | 0  | -             | Back  | 5mm  | Ant 4 | - | ECI 3 | 40185  | 2549.5 | 14.87 | 16.00 | 1.297 | 62.9 | 1.006 | -0.06 | 0.539 | 0.703 |
|    | LTE Band 41     | 20M | QPSK | 50  | 0  | -             | Back  | 5mm  | Ant 4 | - | ECI 3 | 41055  | 2636.5 | 15.05 | 16.00 | 1.245 | 62.9 | 1.006 | 0.07  | 0.325 | 0.407 |
|    | LTE Band 41     | 20M | QPSK | 50  | 0  | -             | Back  | 5mm  | Ant 4 | - | ECI 3 | 41490  | 2680   | 14.96 | 16.00 | 1.271 | 62.9 | 1.006 | 0.11  | 0.234 | 0.299 |
|    | LTE Band 41     | 20M | QPSK | 100 | 0  | -             | Back  | 5mm  | Ant 4 | - | ECI 3 | 40620  | 2593   | 15.11 | 16.00 | 1.227 | 62.9 | 1.006 | -0.18 | 0.465 | 0.574 |
|    | LTE Band 41 PC2 | 20M | QPSK | 1   | 0  | -             | Back  | 5mm  | Ant 4 | - | ECI 3 | 40185  | 2549.5 | 17.81 | 19.00 | 1.315 | 42.9 | 1.009 | 0.11  | 0.852 | 1.131 |
|    | LTE Band 41     | 20M | QPSK | 1   | 0  | -             | Front | 12mm | Ant 4 | - | ECI 4 | 40185  | 2549.5 | 19.36 | 20.50 | 1.300 | 62.9 | 1.006 | -0.01 | 0.106 | 0.139 |
|    | LTE Band 41     | 20M | QPSK | 1   | 0  | -             | Back  | 22mm | Ant 4 | - | ECI 4 | 40185  | 2549.5 | 19.36 | 20.50 | 1.300 | 62.9 | 1.006 | -0.11 | 0.094 | 0.123 |
|    | LTE Band 41 PC2 | 20M | QPSK | 1   | 0  | -             | Back  | 22mm | Ant 4 | - | ECI 4 | 40185  | 2549.5 | 22.02 | 23.50 | 1.406 | 42.9 | 1.009 | 0.06  | 0.145 | 0.206 |
|    | LTE Band 41     | 20M | QPSK | 1   | 0  | -             | Front | 5mm  | Ant 2 | - | ECI 3 | 40620  | 2593   | 16.96 | 17.50 | 1.132 | 62.9 | 1.006 | -0.08 | 0.043 | 0.049 |
|    | LTE Band 41     | 20M | QPSK | 50  | 0  | -             | Front | 5mm  | Ant 2 | - | ECI 3 | 40620  | 2593   | 16.95 | 17.50 | 1.135 | 62.9 | 1.006 | 0.12  | 0.034 | 0.039 |
|    | LTE Band 41     | 20M | QPSK | 1   | 0  | -             | Back  | 5mm  | Ant 2 | - | ECI 3 | 40620  | 2593   | 16.96 | 17.50 | 1.132 | 62.9 | 1.006 | -0.07 | 0.536 | 0.611 |
|    | LTE Band 41     | 20M | QPSK | 1   | 0  | -             | Back  | 5mm  | Ant 2 | - | ECI 3 | 39750  | 2506   | 16.62 | 17.50 | 1.225 | 62.9 | 1.006 | -0.04 | 0.578 | 0.712 |
|    | LTE Band 41     | 20M | QPSK | 1   | 0  | -             | Back  | 5mm  | Ant 2 | - | ECI 3 | 40185  | 2549.5 | 16.84 | 17.50 | 1.164 | 62.9 | 1.006 | 0.13  | 0.651 | 0.762 |
|    | LTE Band 41     | 20M | QPSK | 1   | 0  | -             | Back  | 5mm  | Ant 2 | - | ECI 3 | 41055  | 2636.5 | 16.69 | 17.50 | 1.205 | 62.9 | 1.006 | -0.03 | 0.461 | 0.559 |
|    | LTE Band 41     | 20M | QPSK | 1   | 0  | -             | Back  | 5mm  | Ant 2 | - | ECI 3 | 41490  | 2680   | 16.55 | 17.50 | 1.245 | 62.9 | 1.006 | 0.09  | 0.422 | 0.528 |
|    | LTE Band 41     | 20M | QPSK | 50  | 0  | -             | Back  | 5mm  | Ant 2 | - | ECI 3 | 40620  | 2593   | 16.95 | 17.50 | 1.135 | 62.9 | 1.006 | 0.06  | 0.422 | 0.482 |
|    | LTE Band 41     | 20M | QPSK | 50  | 0  | -             | Back  | 5mm  | Ant 2 | - | ECI 3 | 39750  | 2506   | 16.60 | 17.50 | 1.230 | 62.9 | 1.006 | 0.17  | 0.461 | 0.571 |
|    | LTE Band 41     | 20M | QPSK | 50  | 0  | -             | Back  | 5mm  | Ant 2 | - | ECI 3 | 40185  | 2549.5 | 16.94 | 17.50 | 1.138 | 62.9 | 1.006 | 0.06  | 0.449 | 0.514 |
|    | LTE Band 41     | 20M | QPSK | 50  | 0  | -             | Back  | 5mm  | Ant 2 | - | ECI 3 | 41055  | 2636.5 | 16.67 | 17.50 | 1.211 | 62.9 | 1.006 | 0.01  | 0.371 | 0.452 |
|    | LTE Band 41     | 20M | QPSK | 50  | 0  | -             | Back  | 5mm  | Ant 2 | - | ECI 3 | 41490  | 2680   | 16.58 | 17.50 | 1.236 | 62.9 | 1.006 | -0.11 | 0.338 | 0.420 |
|    | LTE Band 41     | 20M | QPSK | 100 | 0  | -             | Back  | 5mm  | Ant 2 | - | ECI 3 | 40620  | 2593   | 16.93 | 17.50 | 1.140 | 62.9 | 1.006 | 0.03  | 0.422 | 0.484 |
|    | LTE Band 41 PC2 | 20M | QPSK | 1   | 0  | -             | Back  | 5mm  | Ant 2 | - | ECI 3 | 40185  | 2549.5 | 19.67 | 20.50 | 1.211 | 42.9 | 1.009 | 0.09  | 0.790 | 0.965 |
|    | LTE Band 41     | 20M | QPSK | 1   | 0  | -             | Front | 12mm | Ant 2 | - | ECI 4 | 40620  | 2593   | 21.09 | 21.50 | 1.099 | 62.9 | 1.006 | -0.02 | 0.091 | 0.101 |
|    | LTE Band 41     | 20M | QPSK | 1   | 0  | -             | Back  | 22mm | Ant 2 | - | ECI 4 | 40185  | 2549.5 | 21.03 | 21.50 | 1.114 | 62.9 | 1.006 | 0.15  | 0.031 | 0.035 |
|    | LTE Band 41 PC2 | 20M | QPSK | 1   | 0  | -             | Back  | 22mm | Ant 2 | - | ECI 4 | 40185  | 2549.5 | 23.72 | 24.50 | 1.197 | 42.9 | 1.009 | 0.15  | 0.079 | 0.095 |
|    | LTE Band 41     | 20M | QPSK | 1   | 0  | -             | Front | 5mm  | Ant 7 | - | ECI 3 | 40620  | 2593   | 17.01 | 18.00 | 1.256 | 62.9 | 1.006 | -0.08 | 0.209 | 0.264 |
|    | LTE Band 41     | 20M | QPSK | 50  | 0  | -             | Front | 5mm  | Ant 7 | - | ECI 3 | 40620  | 2593   | 16.98 | 18.00 | 1.265 | 62.9 | 1.006 | -0.08 | 0.151 | 0.192 |
|    | LTE Band 41     | 20M | QPSK | 1   | 0  | -             | Back  | 5mm  | Ant 7 | - | ECI 3 | 40620  | 2593   | 17.01 | 18.00 | 1.256 | 62.9 | 1.006 | 0.11  | 0.566 | 0.715 |
|    | LTE Band 41     | 20M | QPSK | 1   | 0  | -             | Back  | 5mm  | Ant 7 | - | ECI 3 | 39750  | 2506   | 16.53 | 18.00 | 1.403 | 62.9 | 1.006 | -0.15 | 0.394 | 0.556 |
|    | LTE Band 41     | 20M | QPSK | 1   | 0  | -             | Back  | 5mm  | Ant 7 | - | ECI 3 | 40185  | 2549.5 | 16.64 | 18.00 | 1.368 | 62.9 | 1.006 | 0.02  | 0.522 | 0.718 |
|    | LTE Band 41     | 20M | QPSK | 1   | 0  | -             | Back  | 5mm  | Ant 7 | - | ECI 3 | 41055  | 2636.5 | 16.69 | 18.00 | 1.352 | 62.9 | 1.006 | -0.03 | 0.576 | 0.783 |
|    | LTE Band 41     | 20M | QPSK | 1   | 0  | -             | Back  | 5mm  | Ant 7 | - | ECI 3 | 41490  | 2680   | 16.89 | 18.00 | 1.291 | 62.9 | 1.006 | -0.16 | 0.553 | 0.718 |
|    | LTE Band 41     | 20M | QPSK | 50  | 0  | -             | Back  | 5mm  | Ant 7 | - | ECI 3 | 40620  | 2593   | 16.98 | 18.00 | 1.265 | 62.9 | 1.006 | -0.02 | 0.445 | 0.566 |
|    | LTE Band 41     | 20M | QPSK | 50  | 0  | -             | Back  | 5mm  | Ant 7 | - | ECI 3 | 39750  | 2506   | 16.51 | 18.00 | 1.409 | 62.9 | 1.006 | 0     | 0.311 | 0.441 |
|    | LTE Band 41     | 20M | QPSK | 50  | 0  | -             | Back  | 5mm  | Ant 7 | - | ECI 3 | 40185  | 2549.5 | 16.71 | 18.00 | 1.346 | 62.9 | 1.006 | -0.04 | 0.411 | 0.556 |
|    | LTE Band 41     | 20M | QPSK | 50  | 0  | -             | Back  | 5mm  | Ant 7 | - | ECI 3 | 41055  | 2636.5 | 16.77 | 18.00 | 1.327 | 62.9 | 1.006 | 0.17  | 0.462 | 0.617 |
|    | LTE Band 41     | 20M | QPSK | 50  | 0  | -             | Back  | 5mm  | Ant 7 | - | ECI 3 | 41490  | 2680   | 16.79 | 18.00 | 1.321 | 62.9 | 1.006 | 0.18  | 0.438 | 0.582 |
|    | LTE Band 41     | 20M | QPSK | 100 | 0  | -             | Back  | 5mm  | Ant 7 | - | ECI 3 | 40620  | 2593   | 16.96 | 18.00 | 1.271 | 62.9 | 1.006 | 0.03  | 0.445 | 0.569 |
|    | LTE Band 41 PC2 | 20M | QPSK | 1   | 0  | -             | Back  | 5mm  | Ant 7 | - | ECI 3 | 41055  | 2636.5 | 19.86 | 21.00 | 1.300 | 42.9 | 1.009 | 0.01  | 0.738 | 0.968 |
|    | LTE Band 41     | 20M | QPSK | 1   | 0  | -             | Front | 12mm | Ant 7 | - | ECI 4 | 40620  | 2593   | 20.44 | 21.50 | 1.276 | 62.9 | 1.006 | 0.04  | 0.072 | 0.092 |
|    | LTE Band 41     | 20M | QPSK | 1   | 0  | -             | Back  | 22mm | Ant 7 | - | ECI 4 | 41055  | 2636.5 | 20.25 | 21.50 | 1.334 | 62.9 | 1.006 | -0.16 | 0.077 | 0.103 |
|    | LTE Band 41 PC2 | 20M | QPSK | 1   | 0  | -             | Back  | 22mm | Ant 7 | - | ECI 4 | 41055  | 2636.5 | 23.29 | 24.50 | 1.321 | 42.9 | 1.009 | 0.03  | 0.102 | 0.136 |
|    | FR1 n7          | 50M | QPSK | 1   | 1  | DFT-SCS-15KHz | Front | 5mm  | Ant 1 | - | ECI 3 | 507000 | 2535   | 19.78 | 20.50 | 1.180 | -    | -     | 0.08  | 0.605 | 0.714 |
|    | FR1 n7          | 50M | QPSK | 135 | 68 | DFT-SCS-15KHz | Front | 5mm  | Ant 1 | - | ECI 3 | 507000 | 2535   | 19.74 | 20.50 | 1.191 | -    | -     | 0.01  | 0.613 | 0.730 |
|    | FR1 n7          | 50M | QPSK | 270 | 0  | DFT-SCS-15KHz | Front | 5mm  | Ant 1 | - | ECI 3 | 507000 | 2535   | 19.58 | 20.50 | 1.236 | -    | -     | 0.03  | 0.522 | 0.645 |
| 92 | FR1 n7          | 50M | QPSK | 1   | 1  | DFT-SCS-15KHz | Back  | 5mm  | Ant 1 | - | ECI 3 | 507000 | 2535   | 19.78 | 20.50 | 1.180 | -    | -     | 0.08  | 0.969 | 1.144 |
|    | FR1 n7          | 50M | QPSK | 135 | 68 | DFT-SCS-15KHz | Back  | 5mm  | Ant 1 | - | ECI 3 | 507000 | 2535   | 19.74 | 20.50 | 1.191 | -    | -     | -0.08 | 0.902 | 1.075 |
|    | FR1 n7          | 50M | QPSK | 270 | 0  | DFT-SCS-15KHz | Back  | 5mm  | Ant 1 | - | ECI 3 | 507000 | 2535   | 19.58 | 20.50 | 1.236 | -    | -     | -0.08 | 0.763 | 0.943 |
|    | FR1 n7          | 50M | QPSK | 135 | 68 | DFT-SCS-15KHz | Front | 12mm | Ant 1 | - | ECI 4 | 507000 | 2535   | 23.16 | 24.00 | 1.213 | -    | -     | -0.08 | 0.530 | 0.643 |



**FCC SAR Test Report**

**Report No. : FA391202**

|                |              |      |      |     |     |               |       |      |       |         |       |                 |                 |       |       |       |      |       |       |       |       |
|----------------|--------------|------|------|-----|-----|---------------|-------|------|-------|---------|-------|-----------------|-----------------|-------|-------|-------|------|-------|-------|-------|-------|
|                | FR1 n7       | 50M  | QPSK | 135 | 68  | DFT-SCS-15KHz | Back  | 22mm | Ant 1 | -       | ECl 4 | 507000          | 2535            | 23.16 | 24.00 | 1.213 | -    | -     | -0.18 | 0.297 | 0.360 |
|                | FR1 n41 PC2  | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Front | 5mm  | Ant 1 | -       | ECl 3 | 518598          | 2592.99         | 19.67 | 20.50 | 1.211 | -    | -     | 0.08  | 0.726 | 0.879 |
|                | FR1 n41 PC2  | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Front | 5mm  | Ant 1 | -       | ECl 3 | 518598          | 2592.99         | 19.66 | 20.50 | 1.213 | -    | -     | 0.01  | 0.693 | 0.841 |
|                | FR1 n41 PC2  | 100M | QPSK | 270 | 0   | DFT-SCS-30KHz | Front | 5mm  | Ant 1 | -       | ECl 3 | 518598          | 2592.99         | 19.59 | 20.50 | 1.233 | -    | -     | 0.03  | 0.659 | 0.813 |
| 93             | FR1 n41 PC2  | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Back  | 5mm  | Ant 1 | -       | ECl 3 | 518598          | 2592.99         | 19.67 | 20.50 | 1.211 | -    | -     | -0.08 | 1.110 | 1.344 |
|                | FR1 n41 PC2  | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Back  | 5mm  | Ant 1 | Headset | ECl 3 | 518598          | 2592.99         | 19.67 | 20.50 | 1.211 | -    | -     | -0.04 | 0.777 | 0.941 |
|                | FR1 n41 PC2  | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Back  | 5mm  | Ant 1 | -       | ECl 3 | 518598          | 2592.99         | 19.66 | 20.50 | 1.213 | -    | -     | 0.1   | 1.050 | 1.274 |
|                | FR1 n41 PC2  | 100M | QPSK | 270 | 0   | DFT-SCS-30KHz | Back  | 5mm  | Ant 1 | -       | ECl 3 | 518598          | 2592.99         | 19.59 | 20.50 | 1.233 | -    | -     | -0.18 | 0.989 | 1.220 |
|                | FR1 n41 PC2  | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Front | 12mm | Ant 1 | -       | ECl 4 | 518598          | 2592.99         | 26.14 | 27.00 | 1.219 | -    | -     | -0.13 | 0.458 | 0.558 |
|                | FR1 n41 PC2  | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Back  | 22mm | Ant 1 | -       | ECl 4 | 518598          | 2592.99         | 26.14 | 27.00 | 1.219 | -    | -     | 0.01  | 0.251 | 0.306 |
|                | FR1 n41 PC2  | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Front | 5mm  | Ant 4 | -       | ECl 3 | 518598          | 2592.99         | 15.86 | 16.50 | 1.159 | -    | -     | -0.17 | 0.272 | 0.315 |
|                | FR1 n41 PC2  | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Front | 5mm  | Ant 4 | -       | ECl 3 | 518598          | 2592.99         | 15.84 | 16.50 | 1.164 | -    | -     | -0.03 | 0.312 | 0.363 |
|                | FR1 n41 PC2  | 100M | QPSK | 270 | 0   | DFT-SCS-30KHz | Front | 5mm  | Ant 4 | -       | ECl 3 | 518598          | 2592.99         | 15.81 | 16.50 | 1.172 | -    | -     | 0.14  | 0.304 | 0.356 |
|                | FR1 n41 PC2  | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Back  | 5mm  | Ant 4 | -       | ECl 3 | 518598          | 2592.99         | 15.86 | 16.50 | 1.159 | -    | -     | 0.11  | 0.594 | 0.688 |
|                | FR1 n41 PC2  | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Back  | 5mm  | Ant 4 | -       | ECl 3 | 518598          | 2592.99         | 15.84 | 16.50 | 1.164 | -    | -     | 0.05  | 0.845 | 0.984 |
|                | FR1 n41 PC2  | 100M | QPSK | 270 | 0   | DFT-SCS-30KHz | Back  | 5mm  | Ant 4 | -       | ECl 3 | 518598          | 2592.99         | 15.81 | 16.50 | 1.172 | -    | -     | -0.05 | 0.720 | 0.844 |
|                | FR1 n41 PC2  | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Front | 12mm | Ant 4 | -       | ECl 4 | 518598          | 2592.99         | 23.23 | 24.00 | 1.194 | -    | -     | -0.05 | 0.374 | 0.447 |
|                | FR1 n41 PC2  | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Back  | 22mm | Ant 4 | -       | ECl 4 | 518598          | 2592.99         | 23.23 | 24.00 | 1.194 | -    | -     | -0.08 | 0.255 | 0.304 |
|                | FR1 n41 PC2  | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Front | 5mm  | Ant 2 | -       | ECl 3 | 518598          | 2592.99         | 18.67 | 19.00 | 1.079 | -    | -     | 0.18  | 0.062 | 0.067 |
|                | FR1 n41 PC2  | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Front | 5mm  | Ant 2 | -       | ECl 3 | 518598          | 2592.99         | 18.65 | 19.00 | 1.084 | -    | -     | 0.14  | 0.075 | 0.081 |
|                | FR1 n41 PC2  | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Back  | 5mm  | Ant 2 | -       | ECl 3 | 518598          | 2592.99         | 18.67 | 19.00 | 1.079 | -    | -     | -0.06 | 0.827 | 0.892 |
|                | FR1 n41 PC2  | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Back  | 5mm  | Ant 2 | -       | ECl 3 | 518598          | 2592.99         | 18.65 | 19.00 | 1.084 | -    | -     | -0.17 | 0.741 | 0.803 |
|                | FR1 n41 PC2  | 100M | QPSK | 270 | 0   | DFT-SCS-30KHz | Back  | 5mm  | Ant 2 | -       | ECl 3 | 518598          | 2592.99         | 18.54 | 19.00 | 1.112 | -    | -     | 0.17  | 0.684 | 0.760 |
|                | FR1 n41 PC2  | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Front | 12mm | Ant 2 | -       | ECl 4 | 518598          | 2592.99         | 23.53 | 24.00 | 1.114 | -    | -     | 0     | 0.063 | 0.070 |
|                | FR1 n41 PC2  | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Back  | 22mm | Ant 2 | -       | ECl 4 | 518598          | 2592.99         | 23.53 | 24.00 | 1.114 | -    | -     | 0.07  | 0.112 | 0.125 |
|                | FR1 n41 PC2  | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Front | 5mm  | Ant 7 | -       | ECl 3 | 518598          | 2592.99         | 19.42 | 20.00 | 1.143 | -    | -     | -0.05 | 0.255 | 0.291 |
|                | FR1 n41 PC2  | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Front | 5mm  | Ant 7 | -       | ECl 3 | 518598          | 2592.99         | 19.41 | 20.00 | 1.146 | -    | -     | 0.01  | 0.257 | 0.294 |
|                | FR1 n41 PC2  | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Back  | 5mm  | Ant 7 | -       | ECl 3 | 518598          | 2592.99         | 19.42 | 20.00 | 1.143 | -    | -     | -0.17 | 0.571 | 0.653 |
|                | FR1 n41 PC2  | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Back  | 5mm  | Ant 7 | -       | ECl 3 | 518598          | 2592.99         | 19.41 | 20.00 | 1.146 | -    | -     | 0.04  | 0.612 | 0.701 |
|                | FR1 n41 PC2  | 100M | QPSK | 270 | 0   | DFT-SCS-30KHz | Back  | 5mm  | Ant 7 | -       | ECl 3 | 518598          | 2592.99         | 19.36 | 20.00 | 1.159 | -    | -     | -0.08 | 0.827 | 0.958 |
|                | FR1 n41 PC2  | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Front | 12mm | Ant 7 | -       | ECl 4 | 518598          | 2592.99         | 23.98 | 25.00 | 1.265 | -    | -     | -0.03 | 0.245 | 0.310 |
|                | FR1 n41 PC2  | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Back  | 22mm | Ant 7 | -       | ECl 4 | 518598          | 2592.99         | 23.98 | 25.00 | 1.265 | -    | -     | -0.1  | 0.157 | 0.199 |
| <b>3500MHz</b> |              |      |      |     |     |               |       |      |       |         |       |                 |                 |       |       |       |      |       |       |       |       |
|                | LTE Band 48  | 20M  | QPSK | 1   | 0   | -             | Front | 5mm  | Ant 5 | -       | ECl 3 | 55830           | 3609            | 15.07 | 16.50 | 1.390 | 62.9 | 1.006 | -0.11 | 0.207 | 0.289 |
|                | LTE Band 48  | 20M  | QPSK | 1   | 0   | -             | Front | 5mm  | Ant 5 | -       | ECl 3 | 55340           | 3560            | 14.91 | 16.50 | 1.442 | 62.9 | 1.006 | -0.06 | 0.187 | 0.271 |
|                | LTE Band 48  | 20M  | QPSK | 1   | 0   | -             | Front | 5mm  | Ant 5 | -       | ECl 3 | 56150           | 3641            | 14.87 | 16.50 | 1.455 | 62.9 | 1.006 | -0.15 | 0.197 | 0.288 |
|                | LTE Band 48  | 20M  | QPSK | 1   | 0   | -             | Front | 5mm  | Ant 5 | -       | ECl 3 | 56640           | 3690            | 14.91 | 16.50 | 1.442 | 62.9 | 1.006 | 0.03  | 0.187 | 0.271 |
|                | LTE Band 48  | 20M  | QPSK | 50  | 0   | -             | Front | 5mm  | Ant 5 | -       | ECl 3 | 55830           | 3609            | 15.06 | 16.50 | 1.393 | 62.9 | 1.006 | -0.13 | 0.179 | 0.251 |
|                | LTE Band 48  | 20M  | QPSK | 50  | 0   | -             | Front | 5mm  | Ant 5 | -       | ECl 3 | 55340           | 3560            | 14.90 | 16.50 | 1.445 | 62.9 | 1.006 | 0.16  | 0.171 | 0.249 |
|                | LTE Band 48  | 20M  | QPSK | 50  | 0   | -             | Front | 5mm  | Ant 5 | -       | ECl 3 | 56150           | 3641            | 14.94 | 16.50 | 1.432 | 62.9 | 1.006 | -0.15 | 0.168 | 0.242 |
|                | LTE Band 48  | 20M  | QPSK | 50  | 0   | -             | Front | 5mm  | Ant 5 | -       | ECl 3 | 56640           | 3690            | 14.99 | 16.50 | 1.416 | 62.9 | 1.006 | -0.02 | 0.158 | 0.225 |
|                | LTE Band 48  | 20M  | QPSK | 100 | 0   | -             | Front | 5mm  | Ant 5 | -       | ECl 3 | 55830           | 3609            | 15.03 | 16.50 | 1.403 | 62.9 | 1.006 | -0.09 | 0.161 | 0.227 |
|                | LTE Band 48  | 20M  | QPSK | 1   | 0   | -             | Back  | 5mm  | Ant 5 | -       | ECl 3 | 55830           | 3609            | 15.07 | 16.50 | 1.390 | 62.9 | 1.006 | 0.14  | 0.426 | 0.596 |
|                | LTE Band 48  | 20M  | QPSK | 1   | 0   | -             | Back  | 5mm  | Ant 5 | -       | ECl 3 | 55340           | 3560            | 14.91 | 16.50 | 1.442 | 62.9 | 1.006 | 0.1   | 0.455 | 0.660 |
|                | LTE Band 48  | 20M  | QPSK | 1   | 0   | -             | Back  | 5mm  | Ant 5 | -       | ECl 3 | 56150           | 3641            | 14.87 | 16.50 | 1.455 | 62.9 | 1.006 | -0.09 | 0.572 | 0.838 |
| 94             | LTE Band 48  | 20M  | QPSK | 1   | 0   | -             | Back  | 5mm  | Ant 5 | -       | ECl 3 | 56640           | 3690            | 14.91 | 16.50 | 1.442 | 62.9 | 1.006 | 0.07  | 0.702 | 1.018 |
|                | LTE Band 48C | 20M  | QPSK | 1   | 0   | -             | Back  | 5mm  | Ant 5 | -       | ECl 3 | 56640+<br>56442 | 3690+<br>3670.2 | 14.83 | 16.50 | 1.469 | 62.9 | 1.006 | 0.03  | 0.622 | 0.919 |
|                | LTE Band 48  | 20M  | QPSK | 50  | 0   | -             | Back  | 5mm  | Ant 5 | -       | ECl 3 | 55830           | 3609            | 15.06 | 16.50 | 1.393 | 62.9 | 1.006 | -0.16 | 0.340 | 0.477 |
|                | LTE Band 48  | 20M  | QPSK | 50  | 0   | -             | Back  | 5mm  | Ant 5 | -       | ECl 3 | 55340           | 3560            | 14.90 | 16.50 | 1.445 | 62.9 | 1.006 | -0.18 | 0.364 | 0.529 |
|                | LTE Band 48  | 20M  | QPSK | 50  | 0   | -             | Back  | 5mm  | Ant 5 | -       | ECl 3 | 56150           | 3641            | 14.94 | 16.50 | 1.432 | 62.9 | 1.006 | -0.07 | 0.428 | 0.617 |
|                | LTE Band 48  | 20M  | QPSK | 50  | 0   | -             | Back  | 5mm  | Ant 5 | -       | ECl 3 | 56640           | 3690            | 14.99 | 16.50 | 1.416 | 62.9 | 1.006 | 0.11  | 0.411 | 0.585 |
|                | LTE Band 48  | 20M  | QPSK | 100 | 0   | -             | Back  | 5mm  | Ant 5 | -       | ECl 3 | 55830           | 3609            | 15.03 | 16.50 | 1.403 | 62.9 | 1.006 | -0.08 | 0.448 | 0.632 |
|                | LTE Band 48  | 20M  | QPSK | 1   | 0   | -             | Front | 12mm | Ant 5 | -       | ECl 4 | 55830           | 3609            | 22.51 | 24.00 | 1.409 | 62.9 | 1.006 | -0.1  | 0.133 | 0.189 |
|                | LTE Band 48  | 20M  | QPSK | 1   | 0   | -             | Back  | 22mm | Ant 5 | -       | ECl 4 | 56640           | 3690            | 22.46 | 24.00 | 1.426 | 62.9 | 1.006 | -0.01 | 0.114 | 0.163 |
|                | FR1 n48      | 40M  | QPSK | 1   | 53  | DFT-SCS-30KHz | Front | 5mm  | Ant 5 | -       | ECl 3 | 641666          | 3624.99         | 13.15 | 14.50 | 1.365 | -    | -     | -0.12 | 0.193 | 0.263 |
|                | FR1 n48      | 40M  | QPSK | 50  | 28  | DFT-SCS-30KHz | Front | 5mm  | Ant 5 | -       | ECl 3 | 641666          | 3624.99         | 13.11 | 14.50 | 1.377 | -    | -     | -0.17 | 0.228 | 0.314 |
|                | FR1 n48      | 40M  | QPSK | 100 | 0   | DFT-SCS-30KHz | Front | 5mm  | Ant 5 | -       | ECl 3 | 641666          | 3624.99         | 13.01 | 14.50 | 1.409 | -    | -     | 0.08  | 0.193 | 0.272 |





**FCC SAR Test Report**

**Report No. : FA391202**

|    |                           |      |      |     |     |               |       |      |       |   |       |        |         |       |       |       |   |   |       |       |       |
|----|---------------------------|------|------|-----|-----|---------------|-------|------|-------|---|-------|--------|---------|-------|-------|-------|---|---|-------|-------|-------|
|    | FR1 n48                   | 40M  | QPSK | 1   | 53  | DFT-SCS-30KHz | Back  | 5mm  | Ant 5 | - | ECI 3 | 641666 | 3624.99 | 13.15 | 14.50 | 1.365 | - | - | 0.01  | 0.539 | 0.736 |
| 95 | FR1 n48                   | 40M  | QPSK | 50  | 28  | DFT-SCS-30KHz | Back  | 5mm  | Ant 5 | - | ECI 3 | 641666 | 3624.99 | 13.11 | 14.50 | 1.377 | - | - | 0.02  | 0.750 | 1.033 |
|    | FR1 n48                   | 40M  | QPSK | 50  | 28  | DFT-SCS-30KHz | Back  | 5mm  | Ant 5 | - | ECI 3 | 638000 | 3570    | 12.88 | 14.50 | 1.452 | - | - | 0.08  | 0.703 | 1.021 |
|    | FR1 n48                   | 40M  | QPSK | 50  | 28  | DFT-SCS-30KHz | Back  | 5mm  | Ant 5 | - | ECI 3 | 645332 | 3679.98 | 12.90 | 14.50 | 1.445 | - | - | 0.04  | 0.689 | 0.996 |
|    | FR1 n48                   | 40M  | QPSK | 100 | 0   | DFT-SCS-30KHz | Back  | 5mm  | Ant 5 | - | ECI 3 | 641666 | 3624.99 | 13.01 | 14.50 | 1.409 | - | - | -0.11 | 0.518 | 0.730 |
|    | FR1 n48                   | 40M  | QPSK | 50  | 28  | DFT-SCS-30KHz | Front | 12mm | Ant 5 | - | ECI 4 | 641666 | 3624.99 | 22.03 | 23.00 | 1.250 | - | - | -0.01 | 0.141 | 0.176 |
|    | FR1 n48                   | 40M  | QPSK | 50  | 28  | DFT-SCS-30KHz | Back  | 22mm | Ant 5 | - | ECI 4 | 641666 | 3624.99 | 22.03 | 23.00 | 1.250 | - | - | 0.09  | 0.112 | 0.140 |
|    | FR1 n77(78) Part 27O      | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Front | 5mm  | Ant 5 | - | ECI 3 | 656000 | 3840    | 17.10 | 18.00 | 1.230 | - | - | -0.01 | 0.154 | 0.189 |
|    | FR1 n77(78) Part 27O      | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Front | 5mm  | Ant 5 | - | ECI 3 | 656000 | 3840    | 17.05 | 18.00 | 1.245 | - | - | -0.09 | 0.183 | 0.228 |
|    | FR1 n77(78) Part 27O      | 100M | QPSK | 270 | 0   | DFT-SCS-30KHz | Front | 5mm  | Ant 5 | - | ECI 3 | 656000 | 3840    | 17.02 | 18.00 | 1.253 | - | - | -0.06 | 0.177 | 0.222 |
|    | FR1 n77(78) Part 27O      | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Back  | 5mm  | Ant 5 | - | ECI 3 | 656000 | 3840    | 17.10 | 18.00 | 1.230 | - | - | -0.17 | 0.412 | 0.507 |
|    | FR1 n77(78) Part 27O      | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Back  | 5mm  | Ant 5 | - | ECI 3 | 656000 | 3840    | 17.05 | 18.00 | 1.245 | - | - | 0.03  | 0.500 | 0.622 |
|    | FR1 n77(78) Part 27O ENDC | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Back  | 5mm  | Ant 5 | - | ECI 3 | 656000 | 3840    | 13.94 | 15.00 | 1.276 | - | - | 0.03  | 0.266 | 0.340 |
|    | FR1 n77(78) Part 27O      | 100M | QPSK | 270 | 0   | DFT-SCS-30KHz | Back  | 5mm  | Ant 5 | - | ECI 3 | 656000 | 3840    | 17.02 | 18.00 | 1.253 | - | - | -0.01 | 0.441 | 0.553 |
|    | FR1 n77(78) Part 27O      | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Front | 12mm | Ant 5 | - | ECI 4 | 656000 | 3840    | 26.02 | 27.00 | 1.253 | - | - | 0     | 0.598 | 0.749 |
|    | FR1 n77(78) Part 27O      | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Back  | 22mm | Ant 5 | - | ECI 4 | 656000 | 3840    | 26.02 | 27.00 | 1.253 | - | - | 0.07  | 0.306 | 0.383 |
|    | FR1 n77(78) Part 27Q      | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Front | 5mm  | Ant 5 | - | ECI 3 | 633334 | 3500.01 | 17.06 | 18.00 | 1.242 | - | - | -0.11 | 0.283 | 0.351 |
|    | FR1 n77(78) Part 27Q      | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Front | 5mm  | Ant 5 | - | ECI 3 | 633334 | 3500.01 | 17.04 | 18.00 | 1.247 | - | - | 0.14  | 0.373 | 0.465 |
|    | FR1 n77(78) Part 27Q      | 100M | QPSK | 270 | 0   | DFT-SCS-30KHz | Front | 5mm  | Ant 5 | - | ECI 3 | 633334 | 3500.01 | 17.02 | 18.00 | 1.253 | - | - | 0.03  | 0.347 | 0.435 |
|    | FR1 n77(78) Part 27Q      | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Back  | 5mm  | Ant 5 | - | ECI 3 | 633334 | 3500.01 | 17.06 | 18.00 | 1.242 | - | - | 0.1   | 0.611 | 0.759 |
| 96 | FR1 n77(78) Part 27Q      | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Back  | 5mm  | Ant 5 | - | ECI 3 | 633334 | 3500.01 | 17.04 | 18.00 | 1.247 | - | - | 0.06  | 0.810 | 1.010 |
|    | FR1 n77(78) Part 27Q ENDC | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Back  | 5mm  | Ant 5 | - | ECI 3 | 633334 | 3500.01 | 13.91 | 15.00 | 1.285 | - | - | 0.06  | 0.401 | 0.515 |
|    | FR1 n77(78) Part 27Q      | 100M | QPSK | 270 | 0   | DFT-SCS-30KHz | Back  | 5mm  | Ant 5 | - | ECI 3 | 633334 | 3500.01 | 17.02 | 18.00 | 1.253 | - | - | 0.16  | 0.804 | 1.008 |
|    | FR1 n77(78) Part 27Q      | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Front | 12mm | Ant 5 | - | ECI 4 | 633334 | 3500.01 | 26.09 | 27.00 | 1.233 | - | - | -0.03 | 0.442 | 0.545 |
|    | FR1 n77(78) Part 27Q      | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Back  | 22mm | Ant 5 | - | ECI 4 | 633334 | 3500.01 | 26.09 | 27.00 | 1.233 | - | - | 0.12  | 0.272 | 0.335 |
|    | FR1 n77(78) Part 27O      | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Front | 5mm  | Ant 1 | - | ECI 3 | 656000 | 3840    | 20.78 | 21.00 | 1.052 | - | - | 0.19  | 0.122 | 0.128 |
|    | FR1 n77(78) Part 27O      | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Front | 5mm  | Ant 1 | - | ECI 3 | 656000 | 3840    | 20.74 | 21.00 | 1.062 | - | - | 0.07  | 0.146 | 0.155 |
|    | FR1 n77(78) Part 27O      | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Back  | 5mm  | Ant 1 | - | ECI 3 | 656000 | 3840    | 20.78 | 21.00 | 1.052 | - | - | -0.18 | 0.423 | 0.445 |
|    | FR1 n77(78) Part 27O      | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Back  | 5mm  | Ant 1 | - | ECI 3 | 656000 | 3840    | 20.74 | 21.00 | 1.062 | - | - | 0.06  | 0.521 | 0.553 |
|    | FR1 n77(78) Part 27O      | 100M | QPSK | 270 | 0   | DFT-SCS-30KHz | Back  | 5mm  | Ant 1 | - | ECI 3 | 656000 | 3840    | 20.58 | 21.00 | 1.102 | - | - | 0.03  | 0.342 | 0.377 |
|    | FR1 n77(78) Part 27Q      | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Front | 5mm  | Ant 1 | - | ECI 3 | 633334 | 3500.01 | 20.89 | 21.00 | 1.026 | - | - | -0.17 | 0.305 | 0.313 |
|    | FR1 n77(78) Part 27Q      | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Front | 5mm  | Ant 1 | - | ECI 3 | 633334 | 3500.01 | 20.82 | 21.00 | 1.042 | - | - | -0.08 | 0.377 | 0.393 |
|    | FR1 n77(78) Part 27Q      | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Back  | 5mm  | Ant 1 | - | ECI 3 | 633334 | 3500.01 | 20.89 | 21.00 | 1.026 | - | - | -0.04 | 0.600 | 0.615 |
|    | FR1 n77(78) Part 27Q      | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Back  | 5mm  | Ant 1 | - | ECI 3 | 633334 | 3500.01 | 20.82 | 21.00 | 1.042 | - | - | 0.03  | 0.822 | 0.857 |
|    | FR1 n77(78) Part 27Q      | 100M | QPSK | 270 | 0   | DFT-SCS-30KHz | Back  | 5mm  | Ant 1 | - | ECI 3 | 633334 | 3500.01 | 20.58 | 21.00 | 1.102 | - | - | -0.08 | 0.689 | 0.759 |
|    | FR1 n77(78) Part 27O      | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Front | 5mm  | Ant 8 | - | ECI 3 | 656000 | 3840    | 15.35 | 16.50 | 1.303 | - | - | 0.13  | 0.060 | 0.078 |
|    | FR1 n77(78) Part 27O      | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Front | 5mm  | Ant 8 | - | ECI 3 | 656000 | 3840    | 15.33 | 16.50 | 1.309 | - | - | 0.12  | 0.068 | 0.089 |
|    | FR1 n77(78) Part 27O      | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Back  | 5mm  | Ant 8 | - | ECI 3 | 656000 | 3840    | 15.35 | 16.50 | 1.303 | - | - | 0.07  | 0.630 | 0.821 |
|    | FR1 n77(78) Part 27O      | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Back  | 5mm  | Ant 8 | - | ECI 3 | 650000 | 3750    | 15.25 | 16.50 | 1.334 | - | - | 0.03  | 0.612 | 0.816 |
|    | FR1 n77(78) Part 27O      | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Back  | 5mm  | Ant 8 | - | ECI 3 | 662000 | 3930    | 15.10 | 16.50 | 1.380 | - | - | -0.08 | 0.605 | 0.835 |
|    | FR1 n77(78) Part 27O      | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Back  | 5mm  | Ant 8 | - | ECI 3 | 656000 | 3840    | 15.33 | 16.50 | 1.309 | - | - | 0.03  | 0.742 | 0.971 |
|    | FR1 n77(78) Part 27O      | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Back  | 5mm  | Ant 8 | - | ECI 3 | 650000 | 3750    | 15.15 | 16.50 | 1.365 | - | - | -0.08 | 0.710 | 0.969 |
|    | FR1 n77(78) Part 27O      | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Back  | 5mm  | Ant 8 | - | ECI 3 | 662000 | 3930    | 15.18 | 16.50 | 1.355 | - | - | 0.1   | 0.708 | 0.959 |
|    | FR1 n77(78) Part 27O      | 100M | QPSK | 270 | 0   | DFT-SCS-30KHz | Back  | 5mm  | Ant 8 | - | ECI 3 | 656000 | 3840    | 15.32 | 16.50 | 1.312 | - | - | 0.08  | 0.573 | 0.752 |
|    | FR1 n77(78) Part 27O      | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Front | 12mm | Ant 8 | - | ECI 4 | 656000 | 3840    | 19.27 | 20.00 | 1.183 | - | - | -0.12 | 0.175 | 0.207 |
|    | FR1 n77(78) Part 27O      | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Back  | 22mm | Ant 8 | - | ECI 4 | 656000 | 3840    | 19.27 | 20.00 | 1.183 | - | - | 0.09  | 0.311 | 0.368 |
|    | FR1 n77(78) Part 27Q      | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Front | 5mm  | Ant 8 | - | ECI 3 | 633334 | 3500.01 | 15.48 | 16.50 | 1.265 | - | - | 0.19  | 0.022 | 0.028 |
|    | FR1 n77(78) Part 27Q      | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Front | 5mm  | Ant 8 | - | ECI 3 | 633334 | 3500.01 | 15.42 | 16.50 | 1.282 | - | - | -0.06 | 0.033 | 0.042 |
|    | FR1 n77(78) Part 27Q      | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Back  | 5mm  | Ant 8 | - | ECI 3 | 633334 | 3500.01 | 15.48 | 16.50 | 1.265 | - | - | 0     | 0.246 | 0.311 |
|    | FR1 n77(78) Part 27Q      | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Back  | 5mm  | Ant 8 | - | ECI 3 | 633334 | 3500.01 | 15.42 | 16.50 | 1.282 | - | - | -0.04 | 0.395 | 0.507 |
|    | FR1 n77(78) Part 27Q      | 100M | QPSK | 270 | 0   | DFT-SCS-30KHz | Back  | 5mm  | Ant 8 | - | ECI 3 | 633334 | 3500.01 | 15.31 | 16.50 | 1.315 | - | - | -0.03 | 0.350 | 0.460 |
|    | FR1 n77(78) Part 27Q      | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Front | 12mm | Ant 8 | - | ECI 4 | 633334 | 3500.01 | 19.41 | 20.00 | 1.146 | - | - | 0.11  | 0.124 | 0.142 |
|    | FR1 n77(78) Part 27Q      | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Back  | 22mm | Ant 8 | - | ECI 4 | 633334 | 3500.01 | 19.41 | 20.00 | 1.146 | - | - | 0.12  | 0.175 | 0.200 |
|    | FR1 n77(78) Part 27O      | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Front | 5mm  | Ant 2 | - | ECI 3 | 656000 | 3840    | 13.94 | 14.50 | 1.138 | - | - | 0.08  | 0.084 | 0.096 |
|    | FR1 n77(78) Part 27O      | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Front | 5mm  | Ant 2 | - | ECI 3 | 656000 | 3840    | 13.90 | 14.50 | 1.148 | - | - | 0.01  | 0.116 | 0.133 |
|    | FR1 n7                    |      |      |     |     |               |       |      |       |   |       |        |         |       |       |       |   |   |       |       |       |





**FCC SAR Test Report**

**Report No. : FA391202**

|                      |      |      |     |     |               |       |      |       |   |       |        |         |       |       |       |   |   |       |       |       |
|----------------------|------|------|-----|-----|---------------|-------|------|-------|---|-------|--------|---------|-------|-------|-------|---|---|-------|-------|-------|
| FR1 n77(78) Part 27O | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Back  | 5mm  | Ant 2 | - | ECI 3 | 650000 | 3750    | 13.74 | 14.50 | 1.191 | - | - | 0.1   | 0.776 | 0.924 |
| FR1 n77(78) Part 27O | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Back  | 5mm  | Ant 2 | - | ECI 3 | 662000 | 3930    | 13.49 | 14.50 | 1.262 | - | - | -0.18 | 0.727 | 0.917 |
| FR1 n77(78) Part 27O | 100M | QPSK | 270 | 0   | DFT-SCS-30KHz | Back  | 5mm  | Ant 2 | - | ECI 3 | 656000 | 3840    | 13.86 | 14.50 | 1.159 | - | - | 0.1   | 0.602 | 0.698 |
| FR1 n77(78) Part 27O | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Front | 12mm | Ant 2 | - | ECI 6 | 656000 | 3840    | 15.82 | 16.50 | 1.169 | - | - | -0.15 | 0.110 | 0.129 |
| FR1 n77(78) Part 27O | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Back  | 22mm | Ant 2 | - | ECI 6 | 656000 | 3840    | 15.82 | 16.50 | 1.169 | - | - | 0.07  | 0.216 | 0.253 |
| FR1 n77(78) Part 27Q | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Front | 5mm  | Ant 2 | - | ECI 3 | 633334 | 3500.01 | 13.64 | 14.50 | 1.219 | - | - | 0.12  | 0.041 | 0.050 |
| FR1 n77(78) Part 27Q | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Front | 5mm  | Ant 2 | - | ECI 3 | 633334 | 3500.01 | 13.60 | 14.50 | 1.230 | - | - | 0.08  | 0.067 | 0.082 |
| FR1 n77(78) Part 27Q | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Back  | 5mm  | Ant 2 | - | ECI 3 | 633334 | 3500.01 | 13.64 | 14.50 | 1.219 | - | - | -0.17 | 0.295 | 0.360 |
| FR1 n77(78) Part 27Q | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Back  | 5mm  | Ant 2 | - | ECI 3 | 633334 | 3500.01 | 13.60 | 14.50 | 1.230 | - | - | -0.03 | 0.414 | 0.509 |
| FR1 n77(78) Part 27Q | 100M | QPSK | 270 | 0   | DFT-SCS-30KHz | Back  | 5mm  | Ant 2 | - | ECI 3 | 633334 | 3500.01 | 13.50 | 14.50 | 1.259 | - | - | 0.14  | 0.434 | 0.546 |
| FR1 n77(78) Part 27Q | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Front | 12mm | Ant 2 | - | ECI 6 | 633334 | 3500.01 | 15.63 | 16.50 | 1.222 | - | - | -0.05 | 0.080 | 0.098 |
| FR1 n77(78) Part 27Q | 100M | QPSK | 270 | 0   | DFT-SCS-30KHz | Back  | 22mm | Ant 2 | - | ECI 6 | 633334 | 3500.01 | 15.58 | 16.50 | 1.236 | - | - | -0.15 | 0.138 | 0.171 |



| Plot No.       | Band       | Mode                | Test Position | Gap (mm) | Antenna | Headset | Power State  | Ch. | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Duty Cycle % | Duty Cycle Scaling Factor | Power Drift (dB) | Measured 1g SAR (W/kg) | Reported 1g SAR (W/kg) |  |
|----------------|------------|---------------------|---------------|----------|---------|---------|--------------|-----|-------------|---------------------|---------------------|------------------------|--------------|---------------------------|------------------|------------------------|------------------------|--|
| <b>BT/WLAN</b> |            |                     |               |          |         |         |              |     |             |                     |                     |                        |              |                           |                  |                        |                        |  |
|                | WLAN2.4GHz | 802.11b 1Mbps       | Front         | 5mm      | Ant 6   | -       | Standalone   | 11  | 2462        | 18.49               | 20.00               | 1.416                  | 99.14        | 1.009                     | -0.16            | 0.331                  | 0.473                  |  |
|                | WLAN2.4GHz | 802.11b 1Mbps       | Back          | 5mm      | Ant 6   | -       | Standalone   | 11  | 2462        | 18.49               | 20.00               | 1.416                  | 99.14        | 1.009                     | 0.05             | 0.765                  | 1.093                  |  |
| 97             | WLAN2.4GHz | 802.11b 1Mbps       | Back          | 5mm      | Ant 6   | -       | Standalone   | 6   | 2437        | 18.38               | 20.00               | 1.452                  | 99.14        | 1.009                     | 0.06             | 0.831                  | 1.218                  |  |
|                | WLAN2.4GHz | 802.11b 1Mbps       | Back          | 5mm      | Ant 6   | Headset | Standalone   | 6   | 2437        | 18.38               | 20.00               | 1.452                  | 99.14        | 1.009                     | -0.05            | 0.692                  | 1.014                  |  |
|                | WLAN2.4GHz | 802.11b 1Mbps       | Front         | 5mm      | Ant 6   | -       | Simultaneous | 6   | 2437        | 13.89               | 15.50               | 1.449                  | 99.14        | 1.009                     | -0.08            | 0.107                  | 0.156                  |  |
|                | WLAN2.4GHz | 802.11b 1Mbps       | Back          | 5mm      | Ant 6   | -       | Simultaneous | 6   | 2437        | 13.89               | 15.50               | 1.449                  | 99.14        | 1.009                     | -0.11            | 0.247                  | 0.361                  |  |
|                | WLAN2.4GHz | 802.11b 1Mbps       | Back          | 5mm      | Ant 6   | -       | Standalone   | 1   | 2412        | 18.12               | 20.00               | 1.542                  | 99.14        | 1.009                     | -0.09            | 0.731                  | 1.137                  |  |
|                | WLAN2.4GHz | 802.11g 6Mbps       | Back          | 5mm      | Ant 6   | -       | Standalone   | 6   | 2437        | 18.18               | 20.00               | 1.521                  | 96.7         | 1.034                     | -0.02            | 0.701                  | 1.102                  |  |
|                | WLAN2.4GHz | 802.11b 1Mbps       | Front         | 12mm     | Ant 6   | -       | Full Power   | 1   | 2412        | 20.23               | 22.00               | 1.504                  | 99.14        | 1.009                     | 0.16             | 0.156                  | 0.237                  |  |
|                | WLAN2.4GHz | 802.11b 1Mbps       | Back          | 22mm     | Ant 6   | -       | Full Power   | 1   | 2412        | 20.23               | 22.00               | 1.504                  | 99.14        | 1.009                     | -0.03            | 0.088                  | 0.134                  |  |
|                | Bluetooth  | 1Mbps               | Front         | 5mm      | Ant 6   | -       | Full Power   | 39  | 2441        | 12.46               | 13.00               | 1.132                  | 76.74        | 1.085                     | 0.16             | 0.048                  | 0.059                  |  |
| 98             | Bluetooth  | 1Mbps               | Back          | 5mm      | Ant 6   | -       | Full Power   | 39  | 2441        | 12.46               | 13.00               | 1.132                  | 76.74        | 1.085                     | 0.06             | 0.093                  | 0.114                  |  |
|                | WLAN5.3GHz | 802.11ac-VHT80 MCS0 | Front         | 5mm      | Ant 6   | -       | Standalone   | 58  | 5290        | 13.19               | 14.50               | 1.353                  | 88.14        | 1.135                     | 0.08             | 0.106                  | 0.163                  |  |
| 99             | WLAN5.3GHz | 802.11ac-VHT80 MCS0 | Back          | 5mm      | Ant 6   | -       | Standalone   | 58  | 5290        | 13.19               | 14.50               | 1.353                  | 88.14        | 1.135                     | -0.18            | 0.720                  | 1.105                  |  |
|                | WLAN5.3GHz | 802.11ac-VHT80 MCS0 | Back          | 5mm      | Ant 6   | -       | Simultaneous | 58  | 5290        | 8.05                | 9.50                | 1.396                  | 88.14        | 1.135                     | -0.03            | 0.244                  | 0.387                  |  |
|                | WLAN5.3GHz | 802.11a 6Mbps       | Front         | 12mm     | Ant 6   | -       | Full Power   | 60  | 5300        | 19.95               | 21.50               | 1.428                  | 96.98        | 1.031                     | -0.03            | 0.301                  | 0.443                  |  |
|                | WLAN5.3GHz | 802.11a 6Mbps       | Back          | 22mm     | Ant 6   | -       | Full Power   | 60  | 5300        | 19.95               | 21.50               | 1.428                  | 96.98        | 1.031                     | -0.03            | 0.453                  | 0.667                  |  |
|                | WLAN5.5GHz | 802.11ac-VHT80 MCS0 | Front         | 5mm      | Ant 6   | -       | Standalone   | 138 | 5690        | 13.05               | 14.50               | 1.396                  | 88.14        | 1.135                     | -0.04            | 0.082                  | 0.130                  |  |
| 100            | WLAN5.5GHz | 802.11ac-VHT80 MCS0 | Back          | 5mm      | Ant 6   | -       | Standalone   | 138 | 5690        | 13.05               | 14.50               | 1.396                  | 88.14        | 1.135                     | -0.09            | 0.698                  | 1.106                  |  |
|                | WLAN5.5GHz | 802.11ac-VHT80 MCS0 | Back          | 5mm      | Ant 6   | -       | Standalone   | 122 | 5610        | 12.95               | 14.50               | 1.429                  | 88.14        | 1.135                     | -0.02            | 0.605                  | 0.981                  |  |
|                | WLAN5.5GHz | 802.11ac-VHT80 MCS0 | Back          | 5mm      | Ant 6   | -       | Simultaneous | 138 | 5690        | 8.64                | 10.00               | 1.368                  | 88.14        | 1.135                     | 0.18             | 0.254                  | 0.394                  |  |
|                | WLAN5.5GHz | 802.11a 6Mbps       | Front         | 12mm     | Ant 6   | -       | Full Power   | 116 | 5580        | 19.55               | 21.00               | 1.395                  | 96.98        | 1.031                     | 0.16             | 0.164                  | 0.236                  |  |
|                | WLAN5.5GHz | 802.11a 6Mbps       | Back          | 22mm     | Ant 6   | -       | Full Power   | 116 | 5580        | 19.55               | 21.00               | 1.395                  | 96.98        | 1.031                     | 0.13             | 0.300                  | 0.432                  |  |
|                | WLAN5.8GHz | 802.11ac-VHT80 MCS0 | Front         | 5mm      | Ant 6   | -       | Standalone   | 155 | 5775        | 14.76               | 16.00               | 1.330                  | 88.14        | 1.135                     | 0.08             | 0.103                  | 0.156                  |  |
| 101            | WLAN5.8GHz | 802.11ac-VHT80 MCS0 | Back          | 5mm      | Ant 6   | -       | Standalone   | 155 | 5775        | 14.76               | 16.00               | 1.330                  | 88.14        | 1.135                     | 0.06             | 0.763                  | 1.152                  |  |
|                | WLAN5.8GHz | 802.11ac-VHT80 MCS0 | Back          | 5mm      | Ant 6   | -       | Simultaneous | 155 | 5775        | 9.28                | 10.50               | 1.324                  | 88.14        | 1.135                     | 0.05             | 0.227                  | 0.341                  |  |
|                | WLAN5.8GHz | 802.11a 6Mbps       | Front         | 12mm     | Ant 6   | -       | Full Power   | 157 | 5785        | 19.54               | 21.00               | 1.399                  | 96.98        | 1.031                     | -0.18            | 0.238                  | 0.343                  |  |
|                | WLAN5.8GHz | 802.11a 6Mbps       | Back          | 22mm     | Ant 6   | -       | Full Power   | 157 | 5785        | 19.54               | 21.00               | 1.399                  | 96.98        | 1.031                     | 0.02             | 0.214                  | 0.309                  |  |



15.4 Product specific 10g SAR

| Plot No.       | Band        | BW (MHz) | Modulation | RB Size | RB offset | Mode              | Test Position | Gap (mm) | Antenna | Power State | Ch.             | Freq. (MHz)     | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Duty Cycle % | Duty Cycle Scaling Factor | Power Drift (dB) | Measured 10g SAR (W/kg) | Reported 10g SAR (W/kg) |
|----------------|-------------|----------|------------|---------|-----------|-------------------|---------------|----------|---------|-------------|-----------------|-----------------|---------------------|---------------------|------------------------|--------------|---------------------------|------------------|-------------------------|-------------------------|
| <b>750MHz</b>  |             |          |            |         |           |                   |               |          |         |             |                 |                 |                     |                     |                        |              |                           |                  |                         |                         |
|                | LTE Band 13 | 10M      | QPSK       | 1       | 0         | -                 | Back          | 0mm      | Ant 0   | ECI 6       | 23230           | 782             | 22.75               | 24.00               | 1.334                  | -            | -                         | 0.12             | 1.090                   | 1.454                   |
|                | LTE Band 13 | 10M      | QPSK       | 25      | 0         | -                 | Back          | 0mm      | Ant 0   | ECI 6       | 23230           | 782             | 21.57               | 23.00               | 1.390                  | -            | -                         | 0.08             | 0.874                   | 1.215                   |
| 102            | LTE Band 13 | 10M      | QPSK       | 1       | 0         | -                 | Bottom Side   | 0mm      | Ant 0   | ECI 6       | 23230           | 782             | 22.75               | 24.00               | 1.334                  | -            | -                         | 0.05             | 1.620                   | 2.160                   |
|                | LTE Band 13 | 10M      | QPSK       | 25      | 0         | -                 | Bottom Side   | 0mm      | Ant 0   | ECI 6       | 23230           | 782             | 21.57               | 23.00               | 1.390                  | -            | -                         | -0.17            | 1.280                   | 1.779                   |
|                | LTE Band 13 | 10M      | QPSK       | 50      | 0         | -                 | Bottom Side   | 0mm      | Ant 0   | ECI 6       | 23230           | 782             | 21.76               | 23.00               | 1.330                  | -            | -                         | -0.03            | 1.280                   | 1.703                   |
|                | LTE Band 13 | 10M      | QPSK       | 1       | 0         | -                 | Back          | 0mm      | Ant 4   | ECI 6       | 23230           | 782             | 22.31               | 23.00               | 1.172                  | -            | -                         | 0.06             | 0.775                   | 0.908                   |
|                | LTE Band 13 | 10M      | QPSK       | 25      | 0         | -                 | Back          | 0mm      | Ant 4   | ECI 6       | 23230           | 782             | 21.09               | 22.00               | 1.233                  | -            | -                         | 0.07             | 0.619                   | 0.763                   |
|                | LTE Band 13 | 10M      | QPSK       | 1       | 0         | -                 | Top Side      | 0mm      | Ant 4   | ECI 6       | 23230           | 782             | 22.31               | 23.00               | 1.172                  | -            | -                         | 0.16             | 0.505                   | 0.592                   |
|                | LTE Band 13 | 10M      | QPSK       | 25      | 0         | -                 | Top Side      | 0mm      | Ant 4   | ECI 6       | 23230           | 782             | 21.09               | 22.00               | 1.233                  | -            | -                         | 0.13             | 0.390                   | 0.481                   |
|                | LTE Band 14 | 10M      | QPSK       | 1       | 0         | -                 | Back          | 0mm      | Ant 0   | ECI 6       | 23330           | 793             | 22.77               | 24.00               | 1.327                  | -            | -                         | 0.14             | 1.100                   | 1.460                   |
|                | LTE Band 14 | 10M      | QPSK       | 25      | 0         | -                 | Back          | 0mm      | Ant 0   | ECI 6       | 23330           | 793             | 21.80               | 23.00               | 1.318                  | -            | -                         | 0.11             | 0.884                   | 1.165                   |
| 103            | LTE Band 14 | 10M      | QPSK       | 1       | 0         | -                 | Bottom Side   | 0mm      | Ant 0   | ECI 6       | 23330           | 793             | 22.77               | 24.00               | 1.327                  | -            | -                         | 0.09             | 1.760                   | 2.336                   |
|                | LTE Band 14 | 10M      | QPSK       | 25      | 0         | -                 | Bottom Side   | 0mm      | Ant 0   | ECI 6       | 23330           | 793             | 21.80               | 23.00               | 1.318                  | -            | -                         | -0.05            | 1.380                   | 1.819                   |
|                | LTE Band 14 | 10M      | QPSK       | 50      | 0         | -                 | Bottom Side   | 0mm      | Ant 0   | ECI 6       | 23330           | 793             | 21.78               | 23.00               | 1.324                  | -            | -                         | 0.18             | 1.380                   | 1.828                   |
| <b>835MHz</b>  |             |          |            |         |           |                   |               |          |         |             |                 |                 |                     |                     |                        |              |                           |                  |                         |                         |
|                | GSM850      | -        | -          | -       | -         | GPRS (4 Tx slots) | Back          | 0mm      | Ant 0   | ECI 6       | 189             | 836.4           | 25.30               | 26.50               | 1.318                  | -            | -                         | 0.14             | 1.680                   | 2.215                   |
|                | GSM850      | -        | -          | -       | -         | GPRS (4 Tx slots) | Back          | 0mm      | Ant 0   | ECI 6       | 128             | 824.2           | 25.16               | 26.50               | 1.361                  | -            | -                         | 0.11             | 1.710                   | 2.328                   |
|                | GSM850      | -        | -          | -       | -         | GPRS (4 Tx slots) | Back          | 0mm      | Ant 0   | ECI 6       | 251             | 848.8           | 25.21               | 26.50               | 1.346                  | -            | -                         | -0.05            | 1.640                   | 2.207                   |
| 104            | GSM850      | -        | -          | -       | -         | GPRS (4 Tx slots) | Bottom Side   | 0mm      | Ant 0   | ECI 6       | 189             | 836.4           | 25.30               | 26.50               | 1.318                  | -            | -                         | -0.15            | 2.510                   | 3.309                   |
|                | GSM850      | -        | -          | -       | -         | GPRS (4 Tx slots) | Bottom Side   | 0mm      | Ant 0   | ECI 6       | 128             | 824.2           | 25.16               | 26.50               | 1.361                  | -            | -                         | 0.18             | 2.290                   | 3.118                   |
|                | GSM850      | -        | -          | -       | -         | GPRS (4 Tx slots) | Bottom Side   | 0mm      | Ant 0   | ECI 6       | 251             | 848.8           | 25.21               | 26.50               | 1.346                  | -            | -                         | 0.05             | 1.480                   | 1.992                   |
|                | GSM850      | -        | -          | -       | -         | GPRS (4 Tx slots) | Back          | 16mm     | Ant 0   | ECI 4       | 128             | 824.2           | 28.21               | 29.50               | 1.346                  | -            | -                         | 0.15             | 0.294                   | 0.396                   |
|                | GSM850      | -        | -          | -       | -         | GPRS (4 Tx slots) | Bottom Side   | 17mm     | Ant 0   | ECI 4       | 189             | 836.4           | 28.32               | 29.50               | 1.312                  | -            | -                         | 0.03             | 0.239                   | 0.314                   |
|                | WCDMA V     | -        | -          | -       | -         | RMC 12.2Kbps      | Back          | 0mm      | Ant 0   | ECI 6       | 4182            | 836.4           | 22.29               | 23.50               | 1.321                  | -            | -                         | 0.08             | 1.650                   | 2.180                   |
|                | WCDMA V     | -        | -          | -       | -         | RMC 12.2Kbps      | Back          | 0mm      | Ant 0   | ECI 6       | 4132            | 826.4           | 22.13               | 23.50               | 1.371                  | -            | -                         | -0.17            | 1.780                   | 2.440                   |
|                | WCDMA V     | -        | -          | -       | -         | RMC 12.2Kbps      | Back          | 0mm      | Ant 0   | ECI 6       | 4233            | 846.6           | 22.15               | 23.50               | 1.365                  | -            | -                         | -0.03            | 1.690                   | 2.306                   |
|                | WCDMA V     | -        | -          | -       | -         | RMC 12.2Kbps      | Bottom Side   | 0mm      | Ant 0   | ECI 6       | 4182            | 836.4           | 22.29               | 23.50               | 1.321                  | -            | -                         | 0.07             | 2.040                   | 2.695                   |
| 105            | WCDMA V     | -        | -          | -       | -         | RMC 12.2Kbps      | Bottom Side   | 0mm      | Ant 0   | ECI 6       | 4132            | 826.4           | 22.13               | 23.50               | 1.371                  | -            | -                         | -0.18            | 2.620                   | 3.592                   |
|                | WCDMA V     | -        | -          | -       | -         | RMC 12.2Kbps      | Bottom Side   | 0mm      | Ant 0   | ECI 6       | 4233            | 846.6           | 22.15               | 23.50               | 1.365                  | -            | -                         | 0.03             | 1.830                   | 2.497                   |
|                | WCDMA V     | -        | -          | -       | -         | RMC 12.2Kbps      | Back          | 16mm     | Ant 0   | ECI 4       | 4132            | 826.4           | 22.66               | 24.00               | 1.361                  | -            | -                         | 0.08             | 0.169                   | 0.230                   |
|                | WCDMA V     | -        | -          | -       | -         | RMC 12.2Kbps      | Bottom Side   | 17mm     | Ant 0   | ECI 4       | 4132            | 826.4           | 22.66               | 24.00               | 1.361                  | -            | -                         | -0.15            | 0.117                   | 0.159                   |
|                | LTE Band 26 | 15M      | QPSK       | 1       | 0         | -                 | Back          | 0mm      | Ant 0   | ECI 6       | 26865           | 831.5           | 21.67               | 23.00               | 1.358                  | -            | -                         | -0.18            | 1.660                   | 2.255                   |
|                | LTE Band 26 | 15M      | QPSK       | 36      | 0         | -                 | Back          | 0mm      | Ant 0   | ECI 6       | 26865           | 831.5           | 21.64               | 23.00               | 1.368                  | -            | -                         | 0.1              | 1.410                   | 1.928                   |
|                | LTE Band 26 | 15M      | QPSK       | 75      | 0         | -                 | Back          | 0mm      | Ant 0   | ECI 6       | 26865           | 831.5           | 21.65               | 23.00               | 1.365                  | -            | -                         | 0.12             | 1.330                   | 1.815                   |
| 106            | LTE Band 26 | 15M      | QPSK       | 1       | 0         | -                 | Bottom Side   | 0mm      | Ant 0   | ECI 6       | 26865           | 831.5           | 21.67               | 23.00               | 1.358                  | -            | -                         | 0.03             | 2.340                   | 3.178                   |
|                | LTE Band 5B | 10M      | QPSK       | 1       | 49        | -                 | Bottom Side   | 0mm      | Ant 0   | ECI 6       | 20476+<br>20575 | 831.6+<br>836.5 | 21.45               | 23.00               | 1.429                  | -            | -                         | 0.06             | 2.020                   | 2.886                   |
|                | LTE Band 26 | 15M      | QPSK       | 36      | 0         | -                 | Bottom Side   | 0mm      | Ant 0   | ECI 6       | 26865           | 831.5           | 21.64               | 23.00               | 1.368                  | -            | -                         | 0.1              | 1.870                   | 2.558                   |
|                | LTE Band 26 | 15M      | QPSK       | 75      | 0         | -                 | Bottom Side   | 0mm      | Ant 0   | ECI 6       | 26865           | 831.5           | 21.65               | 23.00               | 1.365                  | -            | -                         | -0.17            | 1.890                   | 2.579                   |
|                | LTE Band 26 | 15M      | QPSK       | 1       | 0         | -                 | Back          | 16mm     | Ant 0   | ECI 4       | 26865           | 831.5           | 22.65               | 24.00               | 1.365                  | -            | -                         | 0.03             | 0.235                   | 0.321                   |
|                | LTE Band 26 | 15M      | QPSK       | 1       | 0         | -                 | Bottom Side   | 17mm     | Ant 0   | ECI 4       | 26865           | 831.5           | 22.65               | 24.00               | 1.365                  | -            | -                         | 0.01             | 0.210                   | 0.287                   |
|                | FR1 n26     | 20M      | QPSK       | 1       | 1         | DFT-SCS-15KHz     | Back          | 0mm      | Ant 0   | ECI 6       | 166300          | 831.5           | 22.91               | 24.00               | 1.285                  | -            | -                         | 0.08             | 2.100                   | 2.699                   |
|                | FR1 n26     | 20M      | QPSK       | 50      | 28        | DFT-SCS-15KHz     | Back          | 0mm      | Ant 0   | ECI 6       | 166300          | 831.5           | 22.87               | 24.00               | 1.297                  | -            | -                         | 0.01             | 1.880                   | 2.439                   |
|                | FR1 n26     | 20M      | QPSK       | 100     | 0         | DFT-SCS-15KHz     | Back          | 0mm      | Ant 0   | ECI 6       | 166300          | 831.5           | 21.86               | 23.00               | 1.300                  | -            | -                         | 0.03             | 1.960                   | 2.548                   |
| 107            | FR1 n26     | 20M      | QPSK       | 1       | 1         | DFT-SCS-15KHz     | Bottom Side   | 0mm      | Ant 0   | ECI 6       | 166300          | 831.5           | 22.91               | 24.00               | 1.285                  | -            | -                         | -0.08            | 2.650                   | 3.406                   |
|                | FR1 n26     | 20M      | QPSK       | 50      | 28        | DFT-SCS-15KHz     | Bottom Side   | 0mm      | Ant 0   | ECI 6       | 166300          | 831.5           | 22.87               | 24.00               | 1.297                  | -            | -                         | -0.08            | 2.550                   | 3.308                   |
|                | FR1 n26     | 20M      | QPSK       | 100     | 0         | DFT-SCS-15KHz     | Bottom Side   | 0mm      | Ant 0   | ECI 6       | 166300          | 831.5           | 21.86               | 23.00               | 1.300                  | -            | -                         | 0.1              | 2.480                   | 3.224                   |
|                | FR1 n5      | 25M      | QPSK       | 1       | 67        | DFT-SCS-15KHz     | Bottom Side   | 0mm      | Ant 0   | ECI 6       | 167300          | 836.5           | 22.92               | 24.00               | 1.282                  | -            | -                         | -0.08            | 1.740                   | 2.231                   |
| 108            | FR1 n5      | 25M      | QPSK       | 64      | 35        | DFT-SCS-15KHz     | Bottom Side   | 0mm      | Ant 0   | ECI 6       | 167300          | 836.5           | 22.86               | 24.00               | 1.300                  | -            | -                         | 0.02             | 1.870                   | 2.431                   |
|                | FR1 n5      | 25M      | QPSK       | 128     | 0         | DFT-SCS-15KHz     | Bottom Side   | 0mm      | Ant 0   | ECI 6       | 167300          | 836.5           | 21.83               | 23.00               | 1.309                  | -            | -                         | -0.08            | 1.490                   | 1.951                   |
| <b>1750MHz</b> |             |          |            |         |           |                   |               |          |         |             |                 |                 |                     |                     |                        |              |                           |                  |                         |                         |



**FCC SAR Test Report**

**Report No. : FA391202**

|     |                      |     |      |     |    |               |             |      |       |       |                   |                 |       |       |       |   |   |       |       |       |
|-----|----------------------|-----|------|-----|----|---------------|-------------|------|-------|-------|-------------------|-----------------|-------|-------|-------|---|---|-------|-------|-------|
|     | WCDMA IV             | -   | -    | -   | -  | RMC 12.2Kbps  | Front       | 0mm  | Ant 0 | ECI 6 | 1413              | 1732.6          | 19.52 | 21.00 | 1.406 | - | - | 0.08  | 1.810 | 2.545 |
|     | WCDMA IV             | -   | -    | -   | -  | RMC 12.2Kbps  | Front       | 0mm  | Ant 0 | ECI 6 | 1312              | 1712.4          | 19.49 | 21.00 | 1.416 | - | - | 0.01  | 1.820 | 2.577 |
|     | WCDMA IV             | -   | -    | -   | -  | RMC 12.2Kbps  | Front       | 0mm  | Ant 0 | ECI 6 | 1513              | 1752.6          | 19.49 | 21.00 | 1.416 | - | - | 0.03  | 1.800 | 2.548 |
|     | WCDMA IV             | -   | -    | -   | -  | RMC 12.2Kbps  | Back        | 0mm  | Ant 0 | ECI 6 | 1413              | 1732.6          | 19.52 | 21.00 | 1.406 | - | - | -0.08 | 2.110 | 2.967 |
|     | WCDMA IV             | -   | -    | -   | -  | RMC 12.2Kbps  | Back        | 0mm  | Ant 0 | ECI 6 | 1312              | 1712.4          | 19.49 | 21.00 | 1.416 | - | - | -0.08 | 1.920 | 2.718 |
|     | WCDMA IV             | -   | -    | -   | -  | RMC 12.2Kbps  | Back        | 0mm  | Ant 0 | ECI 6 | 1513              | 1752.6          | 19.49 | 21.00 | 1.416 | - | - | 0.1   | 2.140 | 3.030 |
|     | WCDMA IV             | -   | -    | -   | -  | RMC 12.2Kbps  | Bottom Side | 0mm  | Ant 0 | ECI 6 | 1413              | 1732.6          | 19.52 | 21.00 | 1.406 | - | - | -0.08 | 2.460 | 3.459 |
|     | WCDMA IV             | -   | -    | -   | -  | RMC 12.2Kbps  | Bottom Side | 0mm  | Ant 0 | ECI 6 | 1312              | 1712.4          | 19.49 | 21.00 | 1.416 | - | - | -0.13 | 2.380 | 3.370 |
| 109 | WCDMA IV             | -   | -    | -   | -  | RMC 12.2Kbps  | Bottom Side | 0mm  | Ant 0 | ECI 6 | 1513              | 1752.6          | 19.49 | 21.00 | 1.416 | - | - | -0.13 | 2.500 | 3.539 |
|     | WCDMA IV             | -   | -    | -   | -  | RMC 12.2Kbps  | Front       | 9mm  | Ant 0 | ECI 4 | 1312              | 1712.4          | 22.48 | 24.00 | 1.419 | - | - | 0.06  | 0.289 | 0.410 |
|     | WCDMA IV             | -   | -    | -   | -  | RMC 12.2Kbps  | Back        | 16mm | Ant 0 | ECI 4 | 1513              | 1752.6          | 22.35 | 24.00 | 1.462 | - | - | 0.04  | 0.233 | 0.341 |
|     | WCDMA IV             | -   | -    | -   | -  | RMC 12.2Kbps  | Bottom Side | 17mm | Ant 0 | ECI 4 | 1513              | 1752.6          | 22.35 | 24.00 | 1.462 | - | - | -0.03 | 0.548 | 0.801 |
|     | LTE Band 66          | 20M | QPSK | 1   | 0  | -             | Front       | 0mm  | Ant 0 | ECI 6 | 132322            | 1745            | 19.61 | 21.00 | 1.377 | - | - | 0.08  | 1.700 | 2.341 |
|     | LTE Band 66          | 20M | QPSK | 1   | 0  | -             | Front       | 0mm  | Ant 0 | ECI 6 | 132072            | 1720            | 19.52 | 21.00 | 1.406 | - | - | 0.01  | 1.710 | 2.404 |
|     | LTE Band 66          | 20M | QPSK | 1   | 0  | -             | Front       | 0mm  | Ant 0 | ECI 6 | 132572            | 1770            | 19.58 | 21.00 | 1.387 | - | - | 0.03  | 1.650 | 2.288 |
|     | LTE Band 66          | 20M | QPSK | 50  | 0  | -             | Front       | 0mm  | Ant 0 | ECI 6 | 132322            | 1745            | 19.57 | 21.00 | 1.390 | - | - | -0.08 | 1.360 | 1.890 |
|     | LTE Band 66          | 20M | QPSK | 100 | 0  | -             | Front       | 0mm  | Ant 0 | ECI 6 | 132322            | 1745            | 19.55 | 21.00 | 1.396 | - | - | -0.18 | 1.330 | 1.857 |
|     | LTE Band 66          | 20M | QPSK | 1   | 0  | -             | Back        | 0mm  | Ant 0 | ECI 6 | 132322            | 1745            | 19.61 | 21.00 | 1.377 | - | - | 0.1   | 2.110 | 2.906 |
|     | LTE Band 66          | 20M | QPSK | 1   | 0  | -             | Back        | 0mm  | Ant 0 | ECI 6 | 132072            | 1720            | 19.52 | 21.00 | 1.406 | - | - | 0.12  | 1.900 | 2.671 |
|     | LTE Band 66          | 20M | QPSK | 1   | 0  | -             | Back        | 0mm  | Ant 0 | ECI 6 | 132572            | 1770            | 19.58 | 21.00 | 1.387 | - | - | 0.08  | 2.220 | 3.079 |
|     | LTE Band 66          | 20M | QPSK | 50  | 0  | -             | Back        | 0mm  | Ant 0 | ECI 6 | 132322            | 1745            | 19.57 | 21.00 | 1.390 | - | - | -0.17 | 1.700 | 2.363 |
|     | LTE Band 66          | 20M | QPSK | 50  | 0  | -             | Back        | 0mm  | Ant 0 | ECI 6 | 132072            | 1720            | 19.49 | 21.00 | 1.416 | - | - | -0.03 | 1.560 | 2.209 |
|     | LTE Band 66          | 20M | QPSK | 50  | 0  | -             | Back        | 0mm  | Ant 0 | ECI 6 | 132572            | 1770            | 19.54 | 21.00 | 1.400 | - | - | 0.14  | 1.820 | 2.547 |
|     | LTE Band 66          | 20M | QPSK | 100 | 0  | -             | Back        | 0mm  | Ant 0 | ECI 6 | 132322            | 1745            | 19.55 | 21.00 | 1.396 | - | - | 0.11  | 1.680 | 2.346 |
|     | LTE Band 66          | 20M | QPSK | 1   | 0  | -             | Bottom Side | 0mm  | Ant 0 | ECI 6 | 132322            | 1745            | 19.61 | 21.00 | 1.377 | - | - | 0.02  | 2.470 | 3.402 |
|     | LTE Band 66          | 20M | QPSK | 1   | 0  | -             | Bottom Side | 0mm  | Ant 0 | ECI 6 | 132072            | 1720            | 19.52 | 21.00 | 1.406 | - | - | 0.12  | 2.360 | 3.318 |
| 110 | LTE Band 66          | 20M | QPSK | 1   | 0  | -             | Bottom Side | 0mm  | Ant 0 | ECI 6 | 132572            | 1770            | 19.58 | 21.00 | 1.387 | - | - | -0.16 | 2.500 | 3.467 |
|     | LTE Band 66C         | 20M | QPSK | 1   | 0  | -             | Bottom Side | 0mm  | Ant 0 | ECI 6 | 132572+<br>132374 | 1770+<br>1750.2 | 19.52 | 21.00 | 1.406 | - | - | 0.04  | 2.410 | 3.389 |
|     | LTE Band 66C         | 20M | QPSK | 1   | 0  | -             | Bottom Side | 0mm  | Ant 0 | ECI 6 | 132072+<br>132270 | 1720+<br>1739.8 | 19.50 | 21.00 | 1.413 | - | - | 0.05  | 2.359 | 3.332 |
|     | LTE Band 66C         | 20M | QPSK | 1   | 0  | -             | Bottom Side | 0mm  | Ant 0 | ECI 6 | 132322+<br>132520 | 1745+<br>1764.8 | 19.69 | 21.00 | 1.352 | - | - | 0.07  | 2.380 | 3.218 |
|     | LTE Band 66          | 20M | QPSK | 50  | 0  | -             | Bottom Side | 0mm  | Ant 0 | ECI 6 | 132322            | 1745            | 19.57 | 21.00 | 1.390 | - | - | 0.07  | 2.000 | 2.780 |
|     | LTE Band 66          | 20M | QPSK | 50  | 0  | -             | Bottom Side | 0mm  | Ant 0 | ECI 6 | 132072            | 1720            | 19.49 | 21.00 | 1.416 | - | - | -0.02 | 1.920 | 2.718 |
|     | LTE Band 66          | 20M | QPSK | 50  | 0  | -             | Bottom Side | 0mm  | Ant 0 | ECI 6 | 132572            | 1770            | 19.54 | 21.00 | 1.400 | - | - | -0.05 | 2.110 | 2.953 |
|     | LTE Band 66          | 20M | QPSK | 100 | 0  | -             | Bottom Side | 0mm  | Ant 0 | ECI 6 | 132322            | 1745            | 19.55 | 21.00 | 1.396 | - | - | -0.13 | 1.970 | 2.751 |
|     | LTE Band 66          | 20M | QPSK | 1   | 0  | -             | Front       | 9mm  | Ant 0 | ECI 4 | 132572            | 1770            | 22.41 | 24.00 | 1.442 | - | - | 0.06  | 0.315 | 0.454 |
|     | LTE Band 66          | 20M | QPSK | 1   | 0  | -             | Back        | 16mm | Ant 0 | ECI 4 | 132572            | 1770            | 22.41 | 24.00 | 1.442 | - | - | 0.08  | 0.254 | 0.366 |
|     | LTE Band 66          | 20M | QPSK | 1   | 0  | -             | Bottom Side | 17mm | Ant 0 | ECI 4 | 132572            | 1770            | 22.41 | 24.00 | 1.442 | - | - | 0.05  | 0.534 | 0.770 |
|     | LTE Band 66          | 20M | QPSK | 1   | 0  | -             | Front       | 0mm  | Ant 4 | ECI 6 | 132322            | 1745            | 19.26 | 20.00 | 1.186 | - | - | -0.17 | 1.130 | 1.340 |
|     | LTE Band 66          | 20M | QPSK | 50  | 0  | -             | Front       | 0mm  | Ant 4 | ECI 6 | 132322            | 1745            | 19.14 | 20.00 | 1.219 | - | - | -0.08 | 0.911 | 1.110 |
|     | LTE Band 66          | 20M | QPSK | 1   | 0  | -             | Back        | 0mm  | Ant 4 | ECI 6 | 132322            | 1745            | 19.26 | 20.00 | 1.186 | - | - | -0.08 | 1.490 | 1.767 |
|     | LTE Band 66          | 20M | QPSK | 50  | 0  | -             | Back        | 0mm  | Ant 4 | ECI 6 | 132322            | 1745            | 19.14 | 20.00 | 1.219 | - | - | 0.03  | 1.200 | 1.463 |
|     | LTE Band 66          | 20M | QPSK | 1   | 0  | -             | Top Side    | 0mm  | Ant 4 | ECI 6 | 132322            | 1745            | 19.26 | 20.00 | 1.186 | - | - | 0.07  | 1.850 | 2.194 |
|     | LTE Band 66          | 20M | QPSK | 1   | 0  | -             | Top Side    | 0mm  | Ant 4 | ECI 6 | 132072            | 1720            | 19.11 | 20.00 | 1.227 | - | - | 0.18  | 1.800 | 2.209 |
|     | LTE Band 66          | 20M | QPSK | 1   | 0  | -             | Top Side    | 0mm  | Ant 4 | ECI 6 | 132572            | 1770            | 19.22 | 20.00 | 1.197 | - | - | -0.1  | 2.100 | 2.513 |
|     | LTE Band 66 Other PA | 20M | QPSK | 1   | 0  | -             | Top Side    | 0mm  | Ant 4 | ECI 6 | 132572            | 1770            | 18.99 | 20.00 | 1.262 | - | - | 0.05  | 1.980 | 2.498 |
|     | LTE Band 66          | 20M | QPSK | 50  | 0  | -             | Top Side    | 0mm  | Ant 4 | ECI 6 | 132322            | 1745            | 19.14 | 20.00 | 1.219 | - | - | -0.15 | 1.460 | 1.780 |
|     | LTE Band 66          | 20M | QPSK | 100 | 0  | -             | Top Side    | 0mm  | Ant 4 | ECI 6 | 132322            | 1745            | 19.16 | 20.00 | 1.213 | - | - | -0.18 | 1.440 | 1.747 |
|     | LTE Band 66          | 20M | QPSK | 1   | 0  | -             | Front       | 6mm  | Ant 4 | ECI 4 | 132322            | 1745            | 21.01 | 22.00 | 1.256 | - | - | 0.03  | 0.255 | 0.320 |
|     | LTE Band 66          | 20M | QPSK | 1   | 0  | -             | Back        | 14mm | Ant 4 | ECI 4 | 132322            | 1745            | 21.01 | 22.00 | 1.256 | - | - | -0.15 | 0.149 | 0.187 |
|     | LTE Band 66          | 20M | QPSK | 1   | 0  | -             | Top Side    | 14mm | Ant 4 | ECI 4 | 132572            | 1770            | 20.96 | 22.00 | 1.271 | - | - | -0.15 | 0.312 | 0.396 |
|     | FR1 n70              | 15M | QPSK | 1   | 1  | DFT-SCS-15KHz | Front       | 0mm  | Ant 0 | ECI 6 | 340500            | 1702.5          | 21.02 | 22.00 | 1.253 | - | - | 0.03  | 1.490 | 1.867 |
|     | FR1 n70              | 15M | QPSK | 36  | 22 | DFT-SCS-15KHz | Front       | 0mm  | Ant 0 | ECI 6 | 340500            | 1702.5          | 20.97 | 22.00 | 1.268 | - | - | 0.18  | 1.540 | 1.952 |
|     | FR1 n70              | 15M | QPSK | 1   | 1  | DFT-SCS-15KHz | Back        | 0mm  | Ant 0 | ECI 6 | 340500            | 1702.5          | 21.02 | 22.00 | 1.253 | - | - | -0.1  | 1.480 | 1.855 |
|     | FR1 n70              | 15M | QPSK | 36  | 22 | DFT-SCS-15KHz | Back        | 0mm  | Ant 0 | ECI 6 | 340500            | 1702.5          | 20.97 | 22.00 | 1.268 | - | - | 0.07  | 1.610 | 2.041 |
|     | FR1 n70              | 15M | QPSK | 75  | 0  | DFT-SCS-15KHz | Back        | 0mm  | Ant 0 | ECI 6 | 340500            | 1702.5          | 20.18 | 22.00 | 1.521 | - | - | 0.18  | 1.220 | 1.855 |



|                |                  |     |      |     |    |                   |             |      |       |       |        |        |       |       |       |   |   |       |       |       |
|----------------|------------------|-----|------|-----|----|-------------------|-------------|------|-------|-------|--------|--------|-------|-------|-------|---|---|-------|-------|-------|
| 111            | FR1 n70          | 15M | QPSK | 1   | 1  | DFT-SCS-15KHz     | Bottom Side | 0mm  | Ant 0 | ECl 6 | 340500 | 1702.5 | 21.02 | 22.00 | 1.253 | - | - | -0.02 | 2.390 | 2.995 |
|                | FR1 n70          | 15M | QPSK | 36  | 22 | DFT-SCS-15KHz     | Bottom Side | 0mm  | Ant 0 | ECl 6 | 340500 | 1702.5 | 20.97 | 22.00 | 1.268 | - | - | -0.1  | 2.060 | 2.611 |
|                | FR1 n70          | 15M | QPSK | 75  | 0  | DFT-SCS-15KHz     | Bottom Side | 0mm  | Ant 0 | ECl 6 | 340500 | 1702.5 | 20.18 | 22.00 | 1.521 | - | - | 0.01  | 1.900 | 2.889 |
|                | FR1 n70          | 15M | QPSK | 1   | 1  | DFT-SCS-15KHz     | Front       | 9mm  | Ant 0 | ECl 4 | 340500 | 1702.5 | 22.98 | 24.00 | 1.265 | - | - | 0.18  | 0.480 | 0.607 |
|                | FR1 n70          | 15M | QPSK | 36  | 22 | DFT-SCS-15KHz     | Front       | 9mm  | Ant 0 | ECl 4 | 340500 | 1702.5 | 22.92 | 24.00 | 1.282 | - | - | 0.18  | 0.508 | 0.651 |
|                | FR1 n70          | 15M | QPSK | 1   | 1  | DFT-SCS-15KHz     | Back        | 16mm | Ant 0 | ECl 4 | 340500 | 1702.5 | 22.98 | 24.00 | 1.265 | - | - | 0.07  | 0.238 | 0.301 |
|                | FR1 n70          | 15M | QPSK | 36  | 22 | DFT-SCS-15KHz     | Back        | 16mm | Ant 0 | ECl 4 | 340500 | 1702.5 | 22.92 | 24.00 | 1.282 | - | - | 0.07  | 0.252 | 0.323 |
|                | FR1 n70          | 15M | QPSK | 1   | 1  | DFT-SCS-15KHz     | Bottom Side | 17mm | Ant 0 | ECl 4 | 340500 | 1702.5 | 22.98 | 24.00 | 1.265 | - | - | -0.02 | 0.286 | 0.362 |
|                | FR1 n70          | 15M | QPSK | 1   | 1  | DFT-SCS-15KHz     | Front       | 0mm  | Ant 4 | ECl 6 | 340500 | 1702.5 | 21.87 | 23.00 | 1.297 | - | - | -0.17 | 1.180 | 1.531 |
|                | FR1 n70          | 15M | QPSK | 36  | 22 | DFT-SCS-15KHz     | Front       | 0mm  | Ant 4 | ECl 6 | 340500 | 1702.5 | 21.81 | 23.00 | 1.315 | - | - | -0.08 | 1.250 | 1.644 |
|                | FR1 n70          | 15M | QPSK | 1   | 1  | DFT-SCS-15KHz     | Back        | 0mm  | Ant 4 | ECl 6 | 340500 | 1702.5 | 21.87 | 23.00 | 1.297 | - | - | -0.04 | 1.680 | 2.179 |
|                | FR1 n70          | 15M | QPSK | 36  | 22 | DFT-SCS-15KHz     | Back        | 0mm  | Ant 4 | ECl 6 | 340500 | 1702.5 | 21.81 | 23.00 | 1.315 | - | - | -0.08 | 1.670 | 2.196 |
|                | FR1 n70          | 15M | QPSK | 75  | 0  | DFT-SCS-15KHz     | Back        | 0mm  | Ant 4 | ECl 6 | 340500 | 1702.5 | 21.13 | 22.00 | 1.222 | - | - | 0.17  | 1.330 | 1.625 |
|                | FR1 n70          | 15M | QPSK | 1   | 1  | DFT-SCS-15KHz     | Top Side    | 0mm  | Ant 4 | ECl 6 | 340500 | 1702.5 | 21.87 | 23.00 | 1.297 | - | - | 0.18  | 1.920 | 2.491 |
|                | FR1 n70          | 15M | QPSK | 36  | 22 | DFT-SCS-15KHz     | Top Side    | 0mm  | Ant 4 | ECl 6 | 340500 | 1702.5 | 21.81 | 23.00 | 1.315 | - | - | -0.01 | 2.120 | 2.788 |
|                | FR1 n70          | 15M | QPSK | 75  | 0  | DFT-SCS-15KHz     | Top Side    | 0mm  | Ant 4 | ECl 6 | 340500 | 1702.5 | 21.13 | 22.00 | 1.222 | - | - | -0.04 | 1.680 | 2.053 |
|                | FR1 n66          | 45M | QPSK | 1   | 61 | DFT-SCS-15KHz     | Front       | 0mm  | Ant 0 | ECl 6 | 349000 | 1745   | 19.78 | 21.50 | 1.486 | - | - | -0.11 | 1.590 | 2.363 |
|                | FR1 n66          | 45M | QPSK | 121 | 61 | DFT-SCS-15KHz     | Front       | 0mm  | Ant 0 | ECl 6 | 349000 | 1745   | 20.35 | 21.50 | 1.303 | - | - | -0.12 | 1.740 | 2.268 |
|                | FR1 n66          | 45M | QPSK | 242 | 0  | DFT-SCS-15KHz     | Front       | 0mm  | Ant 0 | ECl 6 | 349000 | 1745   | 20.37 | 21.50 | 1.297 | - | - | 0.03  | 1.430 | 1.855 |
|                | FR1 n66          | 45M | QPSK | 1   | 61 | DFT-SCS-15KHz     | Back        | 0mm  | Ant 0 | ECl 6 | 349000 | 1745   | 19.78 | 21.50 | 1.486 | - | - | -0.16 | 1.760 | 2.615 |
|                | FR1 n66          | 45M | QPSK | 121 | 61 | DFT-SCS-15KHz     | Back        | 0mm  | Ant 0 | ECl 6 | 349000 | 1745   | 20.35 | 21.50 | 1.303 | - | - | -0.02 | 2.130 | 2.776 |
|                | FR1 n66          | 45M | QPSK | 242 | 0  | DFT-SCS-15KHz     | Back        | 0mm  | Ant 0 | ECl 6 | 349000 | 1745   | 20.37 | 21.50 | 1.297 | - | - | 0.15  | 1.600 | 2.075 |
| 112            | FR1 n66          | 45M | QPSK | 1   | 61 | DFT-SCS-15KHz     | Bottom Side | 0mm  | Ant 0 | ECl 6 | 349000 | 1745   | 19.78 | 21.50 | 1.486 | - | - | -0.09 | 2.150 | 3.195 |
|                | FR1 n66          | 45M | QPSK | 121 | 61 | DFT-SCS-15KHz     | Bottom Side | 0mm  | Ant 0 | ECl 6 | 349000 | 1745   | 20.35 | 21.50 | 1.303 | - | - | 0.01  | 2.320 | 3.023 |
|                | FR1 n66          | 45M | QPSK | 242 | 0  | DFT-SCS-15KHz     | Bottom Side | 0mm  | Ant 0 | ECl 6 | 349000 | 1745   | 20.37 | 21.50 | 1.297 | - | - | 0.11  | 1.920 | 2.491 |
|                | FR1 n66          | 45M | QPSK | 1   | 61 | DFT-SCS-15KHz     | Front       | 9mm  | Ant 0 | ECl 4 | 349000 | 1745   | 22.93 | 24.00 | 1.279 | - | - | -0.08 | 0.441 | 0.564 |
|                | FR1 n66          | 45M | QPSK | 121 | 61 | DFT-SCS-15KHz     | Front       | 9mm  | Ant 0 | ECl 4 | 349000 | 1745   | 22.89 | 24.00 | 1.291 | - | - | 0.13  | 0.486 | 0.628 |
|                | FR1 n66          | 45M | QPSK | 1   | 61 | DFT-SCS-15KHz     | Back        | 16mm | Ant 0 | ECl 4 | 349000 | 1745   | 22.93 | 24.00 | 1.279 | - | - | 0.12  | 0.231 | 0.296 |
|                | FR1 n66          | 45M | QPSK | 121 | 61 | DFT-SCS-15KHz     | Back        | 16mm | Ant 0 | ECl 4 | 349000 | 1745   | 22.89 | 24.00 | 1.291 | - | - | 0.03  | 0.264 | 0.341 |
|                | FR1 n66          | 45M | QPSK | 1   | 1  | DFT-SCS-15KHz     | Bottom Side | 17mm | Ant 0 | ECl 4 | 349000 | 1745   | 22.93 | 24.00 | 1.279 | - | - | 0.18  | 0.285 | 0.365 |
|                | FR1 n66          | 45M | QPSK | 121 | 61 | DFT-SCS-15KHz     | Bottom Side | 17mm | Ant 0 | ECl 4 | 349000 | 1745   | 22.89 | 24.00 | 1.291 | - | - | 0.16  | 0.343 | 0.443 |
|                | FR1 n66          | 45M | QPSK | 1   | 61 | DFT-SCS-15KHz     | Front       | 0mm  | Ant 4 | ECl 6 | 349000 | 1745   | 20.90 | 22.00 | 1.288 | - | - | 0.13  | 0.994 | 1.281 |
|                | FR1 n66          | 45M | QPSK | 121 | 61 | DFT-SCS-15KHz     | Front       | 0mm  | Ant 4 | ECl 6 | 349000 | 1745   | 20.89 | 22.00 | 1.291 | - | - | -0.18 | 1.140 | 1.472 |
|                | FR1 n66          | 45M | QPSK | 1   | 61 | DFT-SCS-15KHz     | Back        | 0mm  | Ant 4 | ECl 6 | 349000 | 1745   | 20.90 | 22.00 | 1.288 | - | - | 0.16  | 1.260 | 1.623 |
|                | FR1 n66          | 45M | QPSK | 121 | 61 | DFT-SCS-15KHz     | Back        | 0mm  | Ant 4 | ECl 6 | 349000 | 1745   | 20.89 | 22.00 | 1.291 | - | - | -0.03 | 1.380 | 1.782 |
|                | FR1 n66          | 45M | QPSK | 1   | 61 | DFT-SCS-15KHz     | Top Side    | 0mm  | Ant 4 | ECl 6 | 349000 | 1745   | 20.90 | 22.00 | 1.288 | - | - | 0     | 1.660 | 2.138 |
|                | FR1 n66          | 45M | QPSK | 121 | 61 | DFT-SCS-15KHz     | Top Side    | 0mm  | Ant 4 | ECl 6 | 349000 | 1745   | 20.89 | 22.00 | 1.291 | - | - | -0.01 | 1.940 | 2.505 |
|                | FR1 n66 Other PA | 45M | QPSK | 121 | 61 | DFT-SCS-15KHz     | Top Side    | 0mm  | Ant 4 | ECl 6 | 349000 | 1745   | 20.88 | 22.00 | 1.294 | - | - | 0.08  | 1.610 | 2.084 |
|                | FR1 n66          | 45M | QPSK | 242 | 0  | DFT-SCS-15KHz     | Top Side    | 0mm  | Ant 4 | ECl 6 | 349000 | 1745   | 20.84 | 22.00 | 1.306 | - | - | 0.01  | 1.500 | 1.959 |
|                | FR1 n66          | 45M | QPSK | 1   | 61 | DFT-SCS-15KHz     | Front       | 6mm  | Ant 4 | ECl 4 | 349000 | 1745   | 21.82 | 23.00 | 1.312 | - | - | -0.11 | 0.275 | 0.361 |
|                | FR1 n66          | 45M | QPSK | 121 | 61 | DFT-SCS-15KHz     | Front       | 6mm  | Ant 4 | ECl 4 | 349000 | 1745   | 21.75 | 23.00 | 1.334 | - | - | -0.12 | 0.339 | 0.452 |
|                | FR1 n66          | 45M | QPSK | 1   | 61 | DFT-SCS-15KHz     | Back        | 14mm | Ant 4 | ECl 4 | 349000 | 1745   | 21.82 | 23.00 | 1.312 | - | - | 0.03  | 0.168 | 0.220 |
|                | FR1 n66          | 45M | QPSK | 121 | 61 | DFT-SCS-15KHz     | Back        | 14mm | Ant 4 | ECl 4 | 349000 | 1745   | 21.75 | 23.00 | 1.334 | - | - | -0.16 | 0.197 | 0.263 |
|                | FR1 n66          | 45M | QPSK | 1   | 61 | DFT-SCS-15KHz     | Top Side    | 14mm | Ant 4 | ECl 4 | 349000 | 1745   | 21.82 | 23.00 | 1.312 | - | - | -0.02 | 0.180 | 0.236 |
|                | FR1 n66          | 45M | QPSK | 121 | 61 | DFT-SCS-15KHz     | Top Side    | 14mm | Ant 4 | ECl 4 | 349000 | 1745   | 21.75 | 23.00 | 1.334 | - | - | 0.15  | 0.209 | 0.279 |
| <b>1900MHz</b> |                  |     |      |     |    |                   |             |      |       |       |        |        |       |       |       |   |   |       |       |       |
|                | GSM1900          | -   | -    | -   | -  | GPRS (3 Tx slots) | Front       | 0mm  | Ant 0 | ECl 6 | 661    | 1880   | 22.90 | 23.50 | 1.148 | - | - | -0.17 | 2.470 | 2.836 |
|                | GSM1900          | -   | -    | -   | -  | GPRS (3 Tx slots) | Front       | 0mm  | Ant 0 | ECl 6 | 512    | 1850.2 | 22.85 | 23.50 | 1.161 | - | - | -0.03 | 2.360 | 2.741 |
|                | GSM1900          | -   | -    | -   | -  | GPRS (3 Tx slots) | Front       | 0mm  | Ant 0 | ECl 6 | 810    | 1909.8 | 22.47 | 23.50 | 1.268 | - | - | 0.14  | 2.500 | 3.169 |
|                | GSM1900          | -   | -    | -   | -  | GPRS (3 Tx slots) | Back        | 0mm  | Ant 0 | ECl 6 | 661    | 1880   | 22.90 | 23.50 | 1.148 | - | - | 0.11  | 2.630 | 3.020 |
| 113            | GSM1900          | -   | -    | -   | -  | GPRS (3 Tx slots) | Back        | 0mm  | Ant 0 | ECl 6 | 512    | 1850.2 | 22.85 | 23.50 | 1.161 | - | - | -0.05 | 2.760 | 3.206 |
|                | GSM1900          | -   | -    | -   | -  | GPRS (3 Tx slots) | Back        | 0mm  | Ant 0 | ECl 6 | 810    | 1909.8 | 22.47 | 23.50 | 1.268 | - | - | 0.18  | 2.400 | 3.042 |
|                | GSM1900          | -   | -    | -   | -  | GPRS (3 Tx slots) | Bottom Side | 0mm  | Ant 0 | ECl 6 | 661    | 1880   | 22.90 | 23.50 | 1.148 | - | - | 0.14  | 2.180 | 2.503 |
|                | GSM1900          | -   | -    | -   | -  | GPRS (3 Tx slots) | Bottom Side | 0mm  | Ant 0 | ECl 6 | 512    | 1850.2 | 22.85 | 23.50 | 1.161 | - | - | -0.17 | 2.420 | 2.811 |
|                | GSM1900          | -   | -    | -   | -  | GPRS (3 Tx slots) | Bottom Side | 0mm  | Ant 0 | ECl 6 | 810    | 1909.8 | 22.47 | 23.50 | 1.268 | - | - | 0.17  | 2.120 | 2.687 |
|                | GSM1900          | -   | -    | -   | -  | GPRS (3 Tx slots) | Front       | 9mm  | Ant 0 | ECl 4 | 661    | 1880   | 26.34 | 27.50 | 1.306 | - | - | -0.09 | 0.886 | 1.157 |



**FCC SAR Test Report**

**Report No. : FA391202**

|     |                      |     |      |     |    |                   |             |      |       |       |        |        |       |       |       |   |   |       |       |              |
|-----|----------------------|-----|------|-----|----|-------------------|-------------|------|-------|-------|--------|--------|-------|-------|-------|---|---|-------|-------|--------------|
|     | GSM1900              | -   | -    | -   | -  | GPRS (3 Tx slots) | Back        | 16mm | Ant 0 | ECI 4 | 512    | 1850.2 | 26.28 | 27.50 | 1.324 | - | - | 0.11  | 0.623 | 0.825        |
|     | GSM1900              | -   | -    | -   | -  | GPRS (3 Tx slots) | Bottom Side | 17mm | Ant 0 | ECI 4 | 512    | 1850.2 | 26.28 | 27.50 | 1.324 | - | - | -0.05 | 0.737 | 0.976        |
|     | WCDMA II             | -   | -    | -   | -  | RMC 12.2Kbps      | Front       | 0mm  | Ant 0 | ECI 6 | 9400   | 1880   | 17.02 | 18.50 | 1.406 | - | - | 0.16  | 1.550 | 2.179        |
|     | WCDMA II             | -   | -    | -   | -  | RMC 12.2Kbps      | Front       | 0mm  | Ant 0 | ECI 6 | 9262   | 1852.4 | 16.85 | 18.50 | 1.462 | - | - | 0.01  | 1.510 | 2.208        |
|     | WCDMA II             | -   | -    | -   | -  | RMC 12.2Kbps      | Front       | 0mm  | Ant 0 | ECI 6 | 9538   | 1907.6 | 16.94 | 18.50 | 1.432 | - | - | -0.04 | 1.470 | 2.105        |
|     | WCDMA II             | -   | -    | -   | -  | RMC 12.2Kbps      | Back        | 0mm  | Ant 0 | ECI 6 | 9400   | 1880   | 17.02 | 18.50 | 1.406 | - | - | 0.13  | 1.680 | 2.362        |
|     | WCDMA II             | -   | -    | -   | -  | RMC 12.2Kbps      | Back        | 0mm  | Ant 0 | ECI 6 | 9262   | 1852.4 | 16.85 | 18.50 | 1.462 | - | - | 0.12  | 1.550 | 2.266        |
|     | WCDMA II             | -   | -    | -   | -  | RMC 12.2Kbps      | Back        | 0mm  | Ant 0 | ECI 6 | 9538   | 1907.6 | 16.94 | 18.50 | 1.432 | - | - | 0.07  | 1.670 | 2.392        |
| 114 | WCDMA II             | -   | -    | -   | -  | RMC 12.2Kbps      | Bottom Side | 0mm  | Ant 0 | ECI 6 | 9400   | 1880   | 17.02 | 18.50 | 1.406 | - | - | 0.05  | 2.480 | <b>3.487</b> |
|     | WCDMA II             | -   | -    | -   | -  | RMC 12.2Kbps      | Bottom Side | 0mm  | Ant 0 | ECI 6 | 9262   | 1852.4 | 16.85 | 18.50 | 1.462 | - | - | 0.08  | 2.340 | 3.421        |
|     | WCDMA II             | -   | -    | -   | -  | RMC 12.2Kbps      | Bottom Side | 0mm  | Ant 0 | ECI 6 | 9538   | 1907.6 | 16.94 | 18.50 | 1.432 | - | - | 0.19  | 2.290 | 3.280        |
|     | WCDMA II             | -   | -    | -   | -  | RMC 12.2Kbps      | Front       | 9mm  | Ant 0 | ECI 4 | 9400   | 1880   | 22.47 | 24.00 | 1.422 | - | - | -0.04 | 0.753 | 1.071        |
|     | WCDMA II             | -   | -    | -   | -  | RMC 12.2Kbps      | Back        | 16mm | Ant 0 | ECI 4 | 9538   | 1907.6 | 22.42 | 24.00 | 1.439 | - | - | 0.02  | 1.020 | 1.468        |
|     | WCDMA II             | -   | -    | -   | -  | RMC 12.2Kbps      | Bottom Side | 17mm | Ant 0 | ECI 4 | 9400   | 1880   | 22.47 | 24.00 | 1.422 | - | - | -0.07 | 1.380 | 1.963        |
|     | LTE Band 25          | 20M | QPSK | 1   | 0  | -                 | Front       | 0mm  | Ant 0 | ECI 6 | 26340  | 1880   | 17.36 | 18.50 | 1.300 | - | - | 0.17  | 1.930 | 2.509        |
|     | LTE Band 25          | 20M | QPSK | 1   | 0  | -                 | Front       | 0mm  | Ant 0 | ECI 6 | 26140  | 1860   | 17.12 | 18.50 | 1.374 | - | - | 0.18  | 1.660 | 2.281        |
|     | LTE Band 25          | 20M | QPSK | 1   | 0  | -                 | Front       | 0mm  | Ant 0 | ECI 6 | 26590  | 1905   | 17.25 | 18.50 | 1.334 | - | - | -0.04 | 1.520 | 2.027        |
|     | LTE Band 25          | 20M | QPSK | 50  | 0  | -                 | Front       | 0mm  | Ant 0 | ECI 6 | 26340  | 1880   | 17.34 | 18.50 | 1.306 | - | - | -0.08 | 1.490 | 1.946        |
|     | LTE Band 25          | 20M | QPSK | 100 | 0  | -                 | Front       | 0mm  | Ant 0 | ECI 6 | 26340  | 1880   | 17.31 | 18.50 | 1.315 | - | - | 0.06  | 1.490 | 1.960        |
|     | LTE Band 25          | 20M | QPSK | 1   | 0  | -                 | Back        | 0mm  | Ant 0 | ECI 6 | 26340  | 1880   | 17.36 | 18.50 | 1.300 | - | - | -0.03 | 1.370 | 1.781        |
|     | LTE Band 25          | 20M | QPSK | 50  | 0  | -                 | Back        | 0mm  | Ant 0 | ECI 6 | 26340  | 1880   | 17.34 | 18.50 | 1.306 | - | - | -0.07 | 1.110 | 1.450        |
|     | LTE Band 25          | 20M | QPSK | 1   | 0  | -                 | Bottom Side | 0mm  | Ant 0 | ECI 6 | 26340  | 1880   | 17.36 | 18.50 | 1.300 | - | - | 0.03  | 2.170 | 2.821        |
| 115 | LTE Band 25          | 20M | QPSK | 1   | 0  | -                 | Bottom Side | 0mm  | Ant 0 | ECI 6 | 26140  | 1860   | 17.12 | 18.50 | 1.374 | - | - | -0.16 | 2.540 | <b>3.490</b> |
|     | LTE Band 25          | 20M | QPSK | 1   | 0  | -                 | Bottom Side | 0mm  | Ant 0 | ECI 6 | 26590  | 1905   | 17.25 | 18.50 | 1.334 | - | - | -0.02 | 1.380 | 1.840        |
|     | LTE Band 25          | 20M | QPSK | 50  | 0  | -                 | Bottom Side | 0mm  | Ant 0 | ECI 6 | 26340  | 1880   | 17.34 | 18.50 | 1.306 | - | - | 0.15  | 1.760 | 2.299        |
|     | LTE Band 25          | 20M | QPSK | 50  | 0  | -                 | Bottom Side | 0mm  | Ant 0 | ECI 6 | 26140  | 1860   | 17.13 | 18.50 | 1.371 | - | - | -0.09 | 2.340 | 3.208        |
|     | LTE Band 25          | 20M | QPSK | 50  | 0  | -                 | Bottom Side | 0mm  | Ant 0 | ECI 6 | 26590  | 1905   | 17.29 | 18.50 | 1.321 | - | - | 0.11  | 1.110 | 1.467        |
|     | LTE Band 25          | 20M | QPSK | 100 | 0  | -                 | Bottom Side | 0mm  | Ant 0 | ECI 6 | 26340  | 1880   | 17.31 | 18.50 | 1.315 | - | - | -0.05 | 1.760 | 2.315        |
|     | LTE Band 25          | 20M | QPSK | 1   | 0  | -                 | Front       | 9mm  | Ant 0 | ECI 4 | 26340  | 1880   | 22.79 | 24.00 | 1.321 | - | - | 0.16  | 0.703 | 0.929        |
|     | LTE Band 25          | 20M | QPSK | 1   | 0  | -                 | Back        | 16mm | Ant 0 | ECI 4 | 26340  | 1880   | 22.79 | 24.00 | 1.321 | - | - | 0.05  | 0.430 | 0.568        |
|     | LTE Band 25          | 20M | QPSK | 1   | 0  | -                 | Bottom Side | 17mm | Ant 0 | ECI 4 | 26140  | 1860   | 22.63 | 24.00 | 1.371 | - | - | 0.05  | 0.546 | 0.749        |
|     | LTE Band 25          | 20M | QPSK | 1   | 0  | -                 | Front       | 0mm  | Ant 4 | ECI 6 | 26340  | 1880   | 18.32 | 19.00 | 1.169 | - | - | -0.01 | 0.975 | 1.140        |
|     | LTE Band 25          | 20M | QPSK | 50  | 0  | -                 | Front       | 0mm  | Ant 4 | ECI 6 | 26340  | 1880   | 18.30 | 19.00 | 1.175 | - | - | -0.14 | 0.780 | 0.916        |
|     | LTE Band 25          | 20M | QPSK | 1   | 0  | -                 | Back        | 0mm  | Ant 4 | ECI 6 | 26340  | 1880   | 18.32 | 19.00 | 1.169 | - | - | 0.16  | 1.270 | 1.485        |
|     | LTE Band 25          | 20M | QPSK | 50  | 0  | -                 | Back        | 0mm  | Ant 4 | ECI 6 | 26340  | 1880   | 18.30 | 19.00 | 1.175 | - | - | 0.13  | 1.020 | 1.198        |
|     | LTE Band 25          | 20M | QPSK | 1   | 0  | -                 | Top Side    | 0mm  | Ant 4 | ECI 6 | 26340  | 1880   | 18.32 | 19.00 | 1.169 | - | - | 0.19  | 2.150 | 2.514        |
|     | LTE Band 25          | 20M | QPSK | 1   | 0  | -                 | Top Side    | 0mm  | Ant 4 | ECI 6 | 26140  | 1860   | 18.11 | 19.00 | 1.227 | - | - | -0.06 | 1.800 | 2.209        |
|     | LTE Band 25          | 20M | QPSK | 1   | 0  | -                 | Top Side    | 0mm  | Ant 4 | ECI 6 | 26590  | 1905   | 18.19 | 19.00 | 1.205 | - | - | 0     | 1.830 | 2.205        |
|     | LTE Band 25          | 20M | QPSK | 50  | 0  | -                 | Top Side    | 0mm  | Ant 4 | ECI 6 | 26340  | 1880   | 18.30 | 19.00 | 1.175 | - | - | -0.03 | 1.530 | 1.798        |
|     | LTE Band 25          | 20M | QPSK | 100 | 0  | -                 | Top Side    | 0mm  | Ant 4 | ECI 6 | 26340  | 1880   | 18.29 | 19.00 | 1.178 | - | - | -0.03 | 1.530 | 1.802        |
|     | LTE Band 25 Other PA | 20M | QPSK | 1   | 0  | -                 | Top Side    | 0mm  | Ant 4 | ECI 6 | 26340  | 1880   | 18.33 | 19.00 | 1.167 | - | - | 0.02  | 1.880 | 2.194        |
|     | LTE Band 25          | 20M | QPSK | 1   | 0  | -                 | Front       | 6mm  | Ant 4 | ECI 4 | 26340  | 1880   | 21.27 | 22.00 | 1.183 | - | - | 0.12  | 0.309 | 0.366        |
|     | LTE Band 25          | 20M | QPSK | 1   | 0  | -                 | Back        | 14mm | Ant 4 | ECI 4 | 26340  | 1880   | 21.27 | 22.00 | 1.183 | - | - | 0.02  | 0.201 | 0.238        |
|     | LTE Band 25          | 20M | QPSK | 1   | 0  | -                 | Top Side    | 14mm | Ant 4 | ECI 4 | 26340  | 1880   | 21.27 | 22.00 | 1.183 | - | - | -0.03 | 0.209 | 0.247        |
|     | FR1 n25              | 45M | QPSK | 1   | 61 | DFT-SCS-15KHz     | Front       | 0mm  | Ant 0 | ECI 6 | 376500 | 1882.5 | 19.74 | 20.50 | 1.191 | - | - | 0.08  | 1.280 | 1.525        |
|     | FR1 n25              | 45M | QPSK | 121 | 61 | DFT-SCS-15KHz     | Front       | 0mm  | Ant 0 | ECI 6 | 376500 | 1882.5 | 19.69 | 20.50 | 1.205 | - | - | -0.17 | 1.530 | 1.844        |
|     | FR1 n25              | 45M | QPSK | 1   | 61 | DFT-SCS-15KHz     | Back        | 0mm  | Ant 0 | ECI 6 | 376500 | 1882.5 | 19.74 | 20.50 | 1.191 | - | - | 0.14  | 1.380 | 1.644        |
|     | FR1 n25              | 45M | QPSK | 121 | 61 | DFT-SCS-15KHz     | Back        | 0mm  | Ant 0 | ECI 6 | 376500 | 1882.5 | 19.69 | 20.50 | 1.205 | - | - | 0.11  | 1.580 | 1.904        |
|     | FR1 n25              | 45M | QPSK | 1   | 61 | DFT-SCS-15KHz     | Bottom Side | 0mm  | Ant 0 | ECI 6 | 376500 | 1882.5 | 19.74 | 20.50 | 1.191 | - | - | 0.18  | 2.380 | 2.835        |
| 116 | FR1 n25              | 45M | QPSK | 121 | 61 | DFT-SCS-15KHz     | Bottom Side | 0mm  | Ant 0 | ECI 6 | 376500 | 1882.5 | 19.69 | 20.50 | 1.205 | - | - | -0.05 | 2.570 | <b>3.097</b> |
|     | FR1 n25              | 45M | QPSK | 242 | 0  | DFT-SCS-15KHz     | Bottom Side | 0mm  | Ant 0 | ECI 6 | 376500 | 1882.5 | 19.73 | 20.50 | 1.194 | - | - | 0.03  | 2.250 | 2.686        |
|     | FR1 n25              | 45M | QPSK | 1   | 61 | DFT-SCS-15KHz     | Front       | 9mm  | Ant 0 | ECI 4 | 376500 | 1882.5 | 23.17 | 24.00 | 1.211 | - | - | 0.01  | 0.487 | 0.590        |
|     | FR1 n25              | 45M | QPSK | 1   | 61 | DFT-SCS-15KHz     | Back        | 16mm | Ant 0 | ECI 4 | 376500 | 1882.5 | 23.17 | 24.00 | 1.211 | - | - | -0.11 | 0.353 | 0.427        |
|     | FR1 n25              | 45M | QPSK | 1   | 61 | DFT-SCS-15KHz     | Bottom Side | 17mm | Ant 0 | ECI 4 | 376500 | 1882.5 | 23.17 | 24.00 | 1.211 | - | - | 0.03  | 0.480 | 0.581        |
|     | FR1 n25              | 45M | QPSK | 1   | 61 | DFT-SCS-15KHz     | Front       | 0mm  | Ant 4 | ECI 6 | 376500 | 1882.5 | 21.22 | 22.00 | 1.197 | - | - | -0.08 | 0.953 | 1.140        |
|     | FR1 n25              | 45M | QPSK | 121 | 61 | DFT-SCS-15KHz     | Front       | 0mm  | Ant 4 | ECI 6 | 376500 | 1882.5 | 21.13 | 22.00 | 1.222 | - | - | 0.05  | 1.110 | 1.356        |





|                |                  |     |      |     |    |               |             |      |       |       |        |        |       |       |       |   |   |       |       |       |
|----------------|------------------|-----|------|-----|----|---------------|-------------|------|-------|-------|--------|--------|-------|-------|-------|---|---|-------|-------|-------|
|                | FR1 n25          | 45M | QPSK | 1   | 61 | DFT-SCS-15KHz | Back        | 0mm  | Ant 4 | ECl 6 | 376500 | 1882.5 | 21.22 | 22.00 | 1.197 | - | - | -0.09 | 1.290 | 1.544 |
|                | FR1 n25          | 45M | QPSK | 121 | 61 | DFT-SCS-15KHz | Back        | 0mm  | Ant 4 | ECl 6 | 376500 | 1882.5 | 21.13 | 22.00 | 1.222 | - | - | -0.08 | 1.520 | 1.857 |
|                | FR1 n25          | 45M | QPSK | 1   | 61 | DFT-SCS-15KHz | Top Side    | 0mm  | Ant 4 | ECl 6 | 376500 | 1882.5 | 21.22 | 22.00 | 1.197 | - | - | 0.12  | 1.630 | 1.951 |
|                | FR1 n25          | 45M | QPSK | 121 | 61 | DFT-SCS-15KHz | Top Side    | 0mm  | Ant 4 | ECl 6 | 376500 | 1882.5 | 21.13 | 22.00 | 1.222 | - | - | 0.02  | 2.020 | 2.468 |
|                | FR1 n25 Other PA | 45M | QPSK | 121 | 61 | DFT-SCS-15KHz | Top Side    | 0mm  | Ant 4 | ECl 6 | 376500 | 1882.5 | 20.73 | 22.00 | 1.340 | - | - | -0.05 | 1.830 | 2.452 |
|                | FR1 n25          | 45M | QPSK | 242 | 0  | DFT-SCS-15KHz | Top Side    | 0mm  | Ant 4 | ECl 6 | 376500 | 1882.5 | 21.04 | 22.00 | 1.247 | - | - | 0.03  | 1.640 | 2.046 |
|                | FR1 n25          | 45M | QPSK | 1   | 61 | DFT-SCS-15KHz | Front       | 6mm  | Ant 4 | ECl 4 | 376500 | 1882.5 | 22.07 | 23.00 | 1.239 | - | - | -0.08 | 0.287 | 0.356 |
|                | FR1 n25          | 45M | QPSK | 1   | 61 | DFT-SCS-15KHz | Back        | 14mm | Ant 4 | ECl 4 | 376500 | 1882.5 | 22.07 | 23.00 | 1.239 | - | - | -0.08 | 0.181 | 0.224 |
|                | FR1 n25          | 45M | QPSK | 1   | 61 | DFT-SCS-15KHz | Top Side    | 14mm | Ant 4 | ECl 4 | 376500 | 1882.5 | 22.07 | 23.00 | 1.239 | - | - | -0.13 | 0.198 | 0.245 |
| <b>2300MHz</b> |                  |     |      |     |    |               |             |      |       |       |        |        |       |       |       |   |   |       |       |       |
|                | LTE Band 30      | 10M | QPSK | 1   | 0  | -             | Front       | 0mm  | Ant 1 | ECl 6 | 27710  | 2310   | 21.04 | 22.50 | 1.400 | - | - | 0.01  | 1.820 | 2.547 |
|                | LTE Band 30      | 10M | QPSK | 25  | 0  | -             | Front       | 0mm  | Ant 1 | ECl 6 | 27710  | 2310   | 21.02 | 22.50 | 1.406 | - | - | -0.01 | 1.420 | 1.997 |
|                | LTE Band 30      | 10M | QPSK | 50  | 0  | -             | Front       | 0mm  | Ant 1 | ECl 6 | 27710  | 2310   | 20.93 | 22.50 | 1.435 | - | - | -0.06 | 1.420 | 2.038 |
| 117            | LTE Band 30      | 10M | QPSK | 1   | 0  | -             | Back        | 0mm  | Ant 1 | ECl 6 | 27710  | 2310   | 21.04 | 22.50 | 1.400 | - | - | -0.04 | 2.420 | 3.387 |
|                | LTE Band 30      | 10M | QPSK | 25  | 0  | -             | Back        | 0mm  | Ant 1 | ECl 6 | 27710  | 2310   | 21.02 | 22.50 | 1.406 | - | - | -0.09 | 2.010 | 2.826 |
|                | LTE Band 30      | 10M | QPSK | 50  | 0  | -             | Back        | 0mm  | Ant 1 | ECl 6 | 27710  | 2310   | 20.93 | 22.50 | 1.435 | - | - | -0.17 | 2.000 | 2.871 |
|                | LTE Band 30      | 10M | QPSK | 1   | 0  | -             | Left Side   | 0mm  | Ant 1 | ECl 6 | 27710  | 2310   | 21.04 | 22.50 | 1.400 | - | - | -0.1  | 1.630 | 2.281 |
|                | LTE Band 30      | 10M | QPSK | 25  | 0  | -             | Left Side   | 0mm  | Ant 1 | ECl 6 | 27710  | 2310   | 21.02 | 22.50 | 1.406 | - | - | 0.18  | 1.280 | 1.800 |
|                | LTE Band 30      | 10M | QPSK | 50  | 0  | -             | Left Side   | 0mm  | Ant 1 | ECl 6 | 27710  | 2310   | 20.93 | 22.50 | 1.435 | - | - | -0.17 | 1.270 | 1.823 |
|                | LTE Band 30      | 10M | QPSK | 1   | 0  | -             | Bottom Side | 0mm  | Ant 1 | ECl 6 | 27710  | 2310   | 21.04 | 22.50 | 1.400 | - | - | -0.04 | 1.390 | 1.945 |
|                | LTE Band 30      | 10M | QPSK | 25  | 0  | -             | Bottom Side | 0mm  | Ant 1 | ECl 6 | 27710  | 2310   | 21.02 | 22.50 | 1.406 | - | - | -0.05 | 1.090 | 1.533 |
|                | LTE Band 30      | 10M | QPSK | 1   | 0  | -             | Front       | 4mm  | Ant 1 | ECl 4 | 27710  | 2310   | 22.34 | 24.00 | 1.466 | - | - | -0.13 | 0.329 | 0.482 |
|                | LTE Band 30      | 10M | QPSK | 1   | 0  | -             | Back        | 14mm | Ant 1 | ECl 4 | 27710  | 2310   | 22.34 | 24.00 | 1.466 | - | - | -0.01 | 0.104 | 0.152 |
|                | LTE Band 30      | 10M | QPSK | 1   | 0  | -             | Left Side   | 9mm  | Ant 1 | ECl 4 | 27710  | 2310   | 22.34 | 24.00 | 1.466 | - | - | -0.09 | 0.121 | 0.177 |
|                | LTE Band 30      | 10M | QPSK | 1   | 0  | -             | Bottom Side | 10mm | Ant 1 | ECl 4 | 27710  | 2310   | 22.34 | 24.00 | 1.466 | - | - | 0.05  | 0.364 | 0.533 |
|                | LTE Band 30 ENDC | 10M | QPSK | 1   | 0  | -             | Front       | 0mm  | Ant 4 | ECl 6 | 27710  | 2310   | 15.95 | 16.50 | 1.135 | - | - | 0.17  | 0.512 | 0.581 |
|                | LTE Band 30 ENDC | 10M | QPSK | 25  | 0  | -             | Front       | 0mm  | Ant 4 | ECl 6 | 27710  | 2310   | 15.93 | 16.50 | 1.140 | - | - | -0.16 | 0.419 | 0.478 |
|                | LTE Band 30 ENDC | 10M | QPSK | 1   | 0  | -             | Back        | 0mm  | Ant 4 | ECl 6 | 27710  | 2310   | 15.95 | 16.50 | 1.135 | - | - | 0.11  | 0.640 | 0.726 |
|                | LTE Band 30 ENDC | 10M | QPSK | 25  | 0  | -             | Back        | 0mm  | Ant 4 | ECl 6 | 27710  | 2310   | 15.93 | 16.50 | 1.140 | - | - | -0.05 | 0.516 | 0.588 |
|                | LTE Band 30 ENDC | 10M | QPSK | 1   | 0  | -             | Top Side    | 0mm  | Ant 4 | ECl 6 | 27710  | 2310   | 15.95 | 16.50 | 1.135 | - | - | -0.14 | 1.150 | 1.305 |
|                | LTE Band 30 ENDC | 10M | QPSK | 25  | 0  | -             | Top Side    | 0mm  | Ant 4 | ECl 6 | 27710  | 2310   | 15.93 | 16.50 | 1.140 | - | - | -0.15 | 0.836 | 0.953 |
|                | LTE Band 30 ENDC | 10M | QPSK | 1   | 0  | -             | Front       | 6mm  | Ant 4 | ECl 4 | 27710  | 2310   | 22.43 | 23.00 | 1.140 | - | - | -0.17 | 0.451 | 0.514 |
|                | LTE Band 30 ENDC | 10M | QPSK | 1   | 0  | -             | Back        | 14mm | Ant 4 | ECl 4 | 27710  | 2310   | 22.43 | 23.00 | 1.140 | - | - | 0.08  | 0.300 | 0.342 |
|                | LTE Band 30 ENDC | 10M | QPSK | 1   | 0  | -             | Top Side    | 14mm | Ant 4 | ECl 4 | 27710  | 2310   | 22.43 | 23.00 | 1.140 | - | - | 0.01  | 0.356 | 0.406 |
|                | FR1 n30          | 10M | QPSK | 1   | 1  | DFT-SCS-15KHz | Front       | 0mm  | Ant 1 | ECl 6 | 462000 | 2310   | 23.28 | 24.00 | 1.180 | - | - | 0.03  | 1.840 | 2.172 |
|                | FR1 n30          | 10M | QPSK | 25  | 14 | DFT-SCS-15KHz | Front       | 0mm  | Ant 1 | ECl 6 | 462000 | 2310   | 23.21 | 24.00 | 1.199 | - | - | -0.15 | 1.870 | 2.243 |
|                | FR1 n30          | 10M | QPSK | 50  | 0  | DFT-SCS-15KHz | Front       | 0mm  | Ant 1 | ECl 6 | 462000 | 2310   | 22.12 | 23.00 | 1.225 | - | - | -0.05 | 1.790 | 2.192 |
|                | FR1 n30          | 10M | QPSK | 1   | 1  | DFT-SCS-15KHz | Back        | 0mm  | Ant 1 | ECl 6 | 462000 | 2310   | 23.28 | 24.00 | 1.180 | - | - | -0.15 | 2.280 | 2.691 |
| 118            | FR1 n30          | 10M | QPSK | 25  | 14 | DFT-SCS-15KHz | Back        | 0mm  | Ant 1 | ECl 6 | 462000 | 2310   | 23.21 | 24.00 | 1.199 | - | - | 0.11  | 2.340 | 2.807 |
|                | FR1 n30          | 10M | QPSK | 50  | 0  | DFT-SCS-15KHz | Back        | 0mm  | Ant 1 | ECl 6 | 462000 | 2310   | 22.12 | 23.00 | 1.225 | - | - | -0.08 | 1.820 | 2.229 |
|                | FR1 n30          | 10M | QPSK | 1   | 1  | DFT-SCS-15KHz | Left Side   | 0mm  | Ant 1 | ECl 6 | 462000 | 2310   | 23.28 | 24.00 | 1.180 | - | - | -0.17 | 1.690 | 1.995 |
|                | FR1 n30          | 10M | QPSK | 25  | 14 | DFT-SCS-15KHz | Left Side   | 0mm  | Ant 1 | ECl 6 | 462000 | 2310   | 23.21 | 24.00 | 1.199 | - | - | -0.08 | 1.690 | 2.027 |
|                | FR1 n30          | 10M | QPSK | 50  | 0  | DFT-SCS-15KHz | Left Side   | 0mm  | Ant 1 | ECl 6 | 462000 | 2310   | 22.12 | 23.00 | 1.225 | - | - | 0.09  | 1.640 | 2.008 |
| <b>2600MHz</b> |                  |     |      |     |    |               |             |      |       |       |        |        |       |       |       |   |   |       |       |       |
|                | LTE Band 7       | 20M | QPSK | 1   | 0  | -             | Front       | 0mm  | Ant 1 | ECl 6 | 21100  | 2535   | 19.06 | 20.50 | 1.393 | - | - | -0.13 | 1.920 | 2.675 |
|                | LTE Band 7       | 20M | QPSK | 1   | 0  | -             | Front       | 0mm  | Ant 1 | ECl 6 | 20850  | 2510   | 18.85 | 20.50 | 1.462 | - | - | 0.08  | 2.100 | 3.071 |
|                | LTE Band 7       | 20M | QPSK | 1   | 0  | -             | Front       | 0mm  | Ant 1 | ECl 6 | 21350  | 2560   | 18.60 | 20.50 | 1.549 | - | - | 0.16  | 1.750 | 2.710 |
|                | LTE Band 7       | 20M | QPSK | 50  | 0  | -             | Front       | 0mm  | Ant 1 | ECl 6 | 21100  | 2535   | 19.02 | 20.50 | 1.406 | - | - | 0.01  | 1.550 | 2.179 |
|                | LTE Band 7       | 20M | QPSK | 50  | 0  | -             | Front       | 0mm  | Ant 1 | ECl 6 | 20850  | 2510   | 18.89 | 20.50 | 1.449 | - | - | -0.16 | 1.660 | 2.405 |
|                | LTE Band 7       | 20M | QPSK | 50  | 0  | -             | Front       | 0mm  | Ant 1 | ECl 6 | 21350  | 2560   | 18.74 | 20.50 | 1.500 | - | - | 0.1   | 1.520 | 2.280 |
|                | LTE Band 7       | 20M | QPSK | 100 | 0  | -             | Front       | 0mm  | Ant 1 | ECl 6 | 21100  | 2535   | 18.95 | 20.50 | 1.429 | - | - | -0.04 | 1.540 | 2.200 |
|                | LTE Band 7       | 20M | QPSK | 1   | 0  | -             | Back        | 0mm  | Ant 1 | ECl 6 | 21100  | 2535   | 19.06 | 20.50 | 1.393 | - | - | -0.01 | 2.270 | 3.162 |
| 119            | LTE Band 7       | 20M | QPSK | 1   | 0  | -             | Back        | 0mm  | Ant 1 | ECl 6 | 20850  | 2510   | 18.85 | 20.50 | 1.462 | - | - | 0.01  | 2.360 | 3.451 |
|                | LTE Band 7       | 20M | QPSK | 1   | 0  | -             | Back        | 0mm  | Ant 1 | ECl 6 | 21350  | 2560   | 18.60 | 20.50 | 1.549 | - | - | -0.11 | 2.220 | 3.438 |
|                | LTE Band 7       | 20M | QPSK | 50  | 0  | -             | Back        | 0mm  | Ant 1 | ECl 6 | 21100  | 2535   | 19.02 | 20.50 | 1.406 | - | - | -0.06 | 1.840 | 2.587 |
|                | LTE Band 7       | 20M | QPSK | 50  | 0  | -             | Back        | 0mm  | Ant 1 | ECl 6 | 20850  | 2510   | 18.89 | 20.50 | 1.449 | - | - | -0.15 | 1.970 | 2.854 |



**FCC SAR Test Report**

**Report No. : FA391202**

|                 |     |      |     |   |   |             |      |       |       |       |        |       |       |       |      |       |       |       |       |
|-----------------|-----|------|-----|---|---|-------------|------|-------|-------|-------|--------|-------|-------|-------|------|-------|-------|-------|-------|
| LTE Band 7      | 20M | QPSK | 50  | 0 | - | Back        | 0mm  | Ant 1 | ECI 6 | 21350 | 2560   | 18.74 | 20.50 | 1.500 | -    | -     | 0.03  | 1.860 | 2.789 |
| LTE Band 7      | 20M | QPSK | 100 | 0 | - | Back        | 0mm  | Ant 1 | ECI 6 | 21100 | 2535   | 18.95 | 20.50 | 1.429 | -    | -     | -0.13 | 1.830 | 2.615 |
| LTE Band 7      | 20M | QPSK | 1   | 0 | - | Left Side   | 0mm  | Ant 1 | ECI 6 | 21100 | 2535   | 19.06 | 20.50 | 1.393 | -    | -     | 0.16  | 1.790 | 2.494 |
| LTE Band 7      | 20M | QPSK | 1   | 0 | - | Left Side   | 0mm  | Ant 1 | ECI 6 | 20850 | 2510   | 18.85 | 20.50 | 1.462 | -    | -     | -0.15 | 1.990 | 2.910 |
| LTE Band 7      | 20M | QPSK | 1   | 0 | - | Left Side   | 0mm  | Ant 1 | ECI 6 | 21350 | 2560   | 18.60 | 20.50 | 1.549 | -    | -     | -0.02 | 1.820 | 2.819 |
| LTE Band 7      | 20M | QPSK | 50  | 0 | - | Left Side   | 0mm  | Ant 1 | ECI 6 | 21100 | 2535   | 19.02 | 20.50 | 1.406 | -    | -     | -0.09 | 1.420 | 1.997 |
| LTE Band 7      | 20M | QPSK | 100 | 0 | - | Left Side   | 0mm  | Ant 1 | ECI 6 | 21100 | 2535   | 18.95 | 20.50 | 1.429 | -    | -     | -0.09 | 1.410 | 2.015 |
| LTE Band 7      | 20M | QPSK | 1   | 0 | - | Bottom Side | 0mm  | Ant 1 | ECI 6 | 21100 | 2535   | 19.06 | 20.50 | 1.393 | -    | -     | 0.07  | 1.650 | 2.299 |
| LTE Band 7      | 20M | QPSK | 1   | 0 | - | Bottom Side | 0mm  | Ant 1 | ECI 6 | 20850 | 2510   | 18.85 | 20.50 | 1.462 | -    | -     | -0.09 | 1.820 | 2.661 |
| LTE Band 7      | 20M | QPSK | 1   | 0 | - | Bottom Side | 0mm  | Ant 1 | ECI 6 | 21350 | 2560   | 18.60 | 20.50 | 1.549 | -    | -     | -0.16 | 1.710 | 2.648 |
| LTE Band 7      | 20M | QPSK | 50  | 0 | - | Bottom Side | 0mm  | Ant 1 | ECI 6 | 21100 | 2535   | 19.02 | 20.50 | 1.406 | -    | -     | -0.18 | 1.340 | 1.884 |
| LTE Band 7      | 20M | QPSK | 100 | 0 | - | Bottom Side | 0mm  | Ant 1 | ECI 6 | 21100 | 2535   | 18.95 | 20.50 | 1.429 | -    | -     | -0.08 | 1.340 | 1.915 |
| LTE Band 7      | 20M | QPSK | 1   | 0 | - | Front       | 4mm  | Ant 1 | ECI 4 | 20850 | 2510   | 22.41 | 24.00 | 1.442 | -    | -     | -0.1  | 0.509 | 0.734 |
| LTE Band 7      | 20M | QPSK | 1   | 0 | - | Back        | 14mm | Ant 1 | ECI 4 | 20850 | 2510   | 22.41 | 24.00 | 1.442 | -    | -     | -0.01 | 0.198 | 0.286 |
| LTE Band 7      | 20M | QPSK | 1   | 0 | - | Left Side   | 9mm  | Ant 1 | ECI 4 | 20850 | 2510   | 22.41 | 24.00 | 1.442 | -    | -     | -0.09 | 0.201 | 0.290 |
| LTE Band 7      | 20M | QPSK | 1   | 0 | - | Bottom Side | 10mm | Ant 1 | ECI 4 | 20850 | 2510   | 22.41 | 24.00 | 1.442 | -    | -     | -0.06 | 0.512 | 0.738 |
| LTE Band 7 ENDC | 20M | QPSK | 1   | 0 | - | Front       | 0mm  | Ant 4 | ECI 6 | 21100 | 2535   | 17.62 | 18.00 | 1.091 | -    | -     | -0.12 | 0.856 | 0.934 |
| LTE Band 7 ENDC | 20M | QPSK | 50  | 0 | - | Front       | 0mm  | Ant 4 | ECI 6 | 21100 | 2535   | 17.58 | 18.00 | 1.102 | -    | -     | 0.17  | 0.701 | 0.772 |
| LTE Band 7 ENDC | 20M | QPSK | 1   | 0 | - | Back        | 0mm  | Ant 4 | ECI 6 | 21100 | 2535   | 17.62 | 18.00 | 1.091 | -    | -     | -0.11 | 0.942 | 1.028 |
| LTE Band 7 ENDC | 20M | QPSK | 50  | 0 | - | Back        | 0mm  | Ant 4 | ECI 6 | 21100 | 2535   | 17.58 | 18.00 | 1.102 | -    | -     | -0.08 | 0.759 | 0.836 |
| LTE Band 7 ENDC | 20M | QPSK | 1   | 0 | - | Top Side    | 0mm  | Ant 4 | ECI 6 | 21100 | 2535   | 17.62 | 18.00 | 1.091 | -    | -     | 0.18  | 1.110 | 1.211 |
| LTE Band 7 ENDC | 20M | QPSK | 50  | 0 | - | Top Side    | 0mm  | Ant 4 | ECI 6 | 21100 | 2535   | 17.58 | 18.00 | 1.102 | -    | -     | 0.06  | 0.822 | 0.905 |
| LTE Band 7 ENDC | 20M | QPSK | 1   | 0 | - | Front       | 6mm  | Ant 4 | ECI 4 | 21100 | 2535   | 23.55 | 24.00 | 1.109 | -    | -     | 0.1   | 0.779 | 0.864 |
| LTE Band 7 ENDC | 20M | QPSK | 1   | 0 | - | Back        | 14mm | Ant 4 | ECI 4 | 21100 | 2535   | 23.55 | 24.00 | 1.109 | -    | -     | 0.08  | 0.566 | 0.628 |
| LTE Band 7 ENDC | 20M | QPSK | 1   | 0 | - | Top Side    | 14mm | Ant 4 | ECI 4 | 21100 | 2535   | 23.55 | 24.00 | 1.109 | -    | -     | 0     | 0.845 | 0.937 |
| LTE Band 41     | 20M | QPSK | 1   | 0 | - | Front       | 0mm  | Ant 1 | ECI 6 | 40620 | 2593   | 21.11 | 22.50 | 1.377 | 62.9 | 1.006 | 0.17  | 1.440 | 1.995 |
| LTE Band 41     | 20M | QPSK | 1   | 0 | - | Front       | 0mm  | Ant 1 | ECI 6 | 39750 | 2506   | 20.96 | 22.50 | 1.426 | 62.9 | 1.006 | -0.04 | 1.530 | 2.194 |
| LTE Band 41     | 20M | QPSK | 1   | 0 | - | Front       | 0mm  | Ant 1 | ECI 6 | 40185 | 2549.5 | 20.95 | 22.50 | 1.429 | 62.9 | 1.006 | -0.08 | 1.540 | 2.214 |
| LTE Band 41     | 20M | QPSK | 1   | 0 | - | Front       | 0mm  | Ant 1 | ECI 6 | 41055 | 2636.5 | 21.07 | 22.50 | 1.390 | 62.9 | 1.006 | -0.13 | 1.300 | 1.818 |
| LTE Band 41     | 20M | QPSK | 1   | 0 | - | Front       | 0mm  | Ant 1 | ECI 6 | 41490 | 2680   | 20.90 | 22.50 | 1.445 | 62.9 | 1.006 | -0.13 | 1.320 | 1.919 |
| LTE Band 41     | 20M | QPSK | 50  | 0 | - | Front       | 0mm  | Ant 1 | ECI 6 | 40620 | 2593   | 21.08 | 22.50 | 1.387 | 62.9 | 1.006 | 0.06  | 1.130 | 1.576 |
| LTE Band 41     | 20M | QPSK | 50  | 0 | - | Front       | 0mm  | Ant 1 | ECI 6 | 40620 | 2593   | 21.08 | 22.50 | 1.387 | 62.9 | 1.006 | 0.08  | 1.150 | 1.604 |
| LTE Band 41     | 20M | QPSK | 50  | 0 | - | Front       | 0mm  | Ant 1 | ECI 6 | 39790 | 2510   | 20.85 | 22.50 | 1.462 | 62.9 | 1.006 | 0.01  | 1.200 | 1.765 |
| LTE Band 41     | 20M | QPSK | 50  | 0 | - | Front       | 0mm  | Ant 1 | ECI 6 | 39750 | 2506   | 20.94 | 22.50 | 1.432 | 62.9 | 1.006 | 0.03  | 1.120 | 1.614 |
| LTE Band 41     | 20M | QPSK | 50  | 0 | - | Front       | 0mm  | Ant 1 | ECI 6 | 40185 | 2549.5 | 21.00 | 22.50 | 1.413 | 62.9 | 1.006 | -0.08 | 1.150 | 1.634 |
| LTE Band 41     | 20M | QPSK | 50  | 0 | - | Front       | 0mm  | Ant 1 | ECI 6 | 41055 | 2636.5 | 21.05 | 22.50 | 1.396 | 62.9 | 1.006 | -0.08 | 1.100 | 1.545 |
| LTE Band 41     | 20M | QPSK | 100 | 0 | - | Front       | 0mm  | Ant 1 | ECI 6 | 41490 | 2680   | 20.96 | 22.50 | 1.426 | 62.9 | 1.006 | -0.03 | 1.120 | 1.606 |
| LTE Band 41     | 20M | QPSK | 1   | 0 | - | Back        | 0mm  | Ant 1 | ECI 6 | 40620 | 2593   | 21.11 | 22.50 | 1.377 | 62.9 | 1.006 | -0.03 | 1.890 | 2.619 |
| LTE Band 41     | 20M | QPSK | 1   | 0 | - | Back        | 0mm  | Ant 1 | ECI 6 | 39750 | 2506   | 20.96 | 22.50 | 1.426 | 62.9 | 1.006 | -0.07 | 1.850 | 2.653 |
| LTE Band 41     | 20M | QPSK | 1   | 0 | - | Back        | 0mm  | Ant 1 | ECI 6 | 40185 | 2549.5 | 20.95 | 22.50 | 1.429 | 62.9 | 1.006 | 0.05  | 1.820 | 2.616 |
| LTE Band 41     | 20M | QPSK | 1   | 0 | - | Back        | 0mm  | Ant 1 | ECI 6 | 41055 | 2636.5 | 21.07 | 22.50 | 1.390 | 62.9 | 1.006 | -0.11 | 1.890 | 2.643 |
| LTE Band 41     | 20M | QPSK | 1   | 0 | - | Back        | 0mm  | Ant 1 | ECI 6 | 41490 | 2680   | 20.90 | 22.50 | 1.445 | 62.9 | 1.006 | -0.12 | 1.936 | 2.815 |
| LTE Band 41     | 20M | QPSK | 50  | 0 | - | Back        | 0mm  | Ant 1 | ECI 6 | 40620 | 2593   | 21.08 | 22.50 | 1.387 | 62.9 | 1.006 | 0.03  | 1.470 | 2.051 |
| LTE Band 41     | 20M | QPSK | 50  | 0 | - | Back        | 0mm  | Ant 1 | ECI 6 | 39750 | 2506   | 20.94 | 22.50 | 1.432 | 62.9 | 1.006 | -0.02 | 1.450 | 2.089 |
| LTE Band 41     | 20M | QPSK | 50  | 0 | - | Back        | 0mm  | Ant 1 | ECI 6 | 40185 | 2549.5 | 21.00 | 22.50 | 1.413 | 62.9 | 1.006 | 0.15  | 1.440 | 2.046 |
| LTE Band 41     | 20M | QPSK | 50  | 0 | - | Back        | 0mm  | Ant 1 | ECI 6 | 41055 | 2636.5 | 21.05 | 22.50 | 1.396 | 62.9 | 1.006 | -0.09 | 1.500 | 2.107 |
| LTE Band 41     | 20M | QPSK | 50  | 0 | - | Back        | 0mm  | Ant 1 | ECI 6 | 41490 | 2680   | 20.96 | 22.50 | 1.426 | 62.9 | 1.006 | 0.11  | 1.540 | 2.209 |
| LTE Band 41     | 20M | QPSK | 100 | 0 | - | Back        | 0mm  | Ant 1 | ECI 6 | 40620 | 2593   | 21.07 | 22.50 | 1.390 | 62.9 | 1.006 | -0.05 | 1.470 | 2.055 |
| LTE Band 41     | 20M | QPSK | 1   | 0 | - | Left Side   | 0mm  | Ant 1 | ECI 6 | 40620 | 2593   | 21.11 | 22.50 | 1.377 | 62.9 | 1.006 | -0.08 | 1.380 | 1.912 |
| LTE Band 41     | 20M | QPSK | 1   | 0 | - | Left Side   | 0mm  | Ant 1 | ECI 6 | 39750 | 2506   | 20.96 | 22.50 | 1.426 | 62.9 | 1.006 | 0.05  | 1.430 | 2.051 |
| LTE Band 41     | 20M | QPSK | 1   | 0 | - | Left Side   | 0mm  | Ant 1 | ECI 6 | 40185 | 2549.5 | 20.95 | 22.50 | 1.429 | 62.9 | 1.006 | 0.05  | 1.450 | 2.084 |
| LTE Band 41     | 20M | QPSK | 1   | 0 | - | Left Side   | 0mm  | Ant 1 | ECI 6 | 41055 | 2636.5 | 21.07 | 22.50 | 1.390 | 62.9 | 1.006 | -0.03 | 1.280 | 1.790 |
| LTE Band 41     | 20M | QPSK | 1   | 0 | - | Left Side   | 0mm  | Ant 1 | ECI 6 | 41490 | 2680   | 20.90 | 22.50 | 1.445 | 62.9 | 1.006 | -0.15 | 1.320 | 1.919 |
| LTE Band 41     | 20M | QPSK | 50  | 0 | - | Left Side   | 0mm  | Ant 1 | ECI 6 | 40620 | 2593   | 21.08 | 22.50 | 1.387 | 62.9 | 1.006 | 0.02  | 1.070 | 1.493 |
| LTE Band 41     | 20M | QPSK | 100 | 0 | - | Left Side   | 0mm  | Ant 1 | ECI 6 | 40620 | 2593   | 21.07 | 22.50 | 1.390 | 62.9 | 1.006 | 0.07  | 1.060 | 1.482 |
| LTE Band 41     | 20M | QPSK | 1   | 0 | - | Bottom Side | 0mm  | Ant 1 | ECI 6 | 40620 | 2593   | 21.11 | 22.50 | 1.377 | 62.9 | 1.006 | 0.16  | 1.380 | 1.912 |



FCC SAR Test Report

Report No. : FA391202

|     |                  |     |      |     |    |               |             |      |       |       |             |               |       |       |       |      |       |       |       |       |
|-----|------------------|-----|------|-----|----|---------------|-------------|------|-------|-------|-------------|---------------|-------|-------|-------|------|-------|-------|-------|-------|
|     | LTE Band 41      | 20M | QPSK | 1   | 0  | -             | Bottom Side | 0mm  | Ant 1 | ECl 6 | 39750       | 2506          | 20.96 | 22.50 | 1.426 | 62.9 | 1.006 | -0.18 | 1.330 | 1.907 |
|     | LTE Band 41      | 20M | QPSK | 1   | 0  | -             | Bottom Side | 0mm  | Ant 1 | ECl 6 | 40185       | 2549.5        | 20.95 | 22.50 | 1.429 | 62.9 | 1.006 | 0.02  | 1.320 | 1.897 |
|     | LTE Band 41      | 20M | QPSK | 1   | 0  | -             | Bottom Side | 0mm  | Ant 1 | ECl 6 | 41055       | 2636.5        | 21.07 | 22.50 | 1.390 | 62.9 | 1.006 | 0.16  | 1.190 | 1.664 |
|     | LTE Band 41      | 20M | QPSK | 1   | 0  | -             | Bottom Side | 0mm  | Ant 1 | ECl 6 | 41490       | 2680          | 20.90 | 22.50 | 1.445 | 62.9 | 1.006 | -0.03 | 1.170 | 1.701 |
|     | LTE Band 41      | 20M | QPSK | 50  | 0  | -             | Bottom Side | 0mm  | Ant 1 | ECl 6 | 40620       | 2593          | 21.08 | 22.50 | 1.387 | 62.9 | 1.006 | 0.07  | 1.010 | 1.409 |
|     | LTE Band 41      | 20M | QPSK | 100 | 0  | -             | Bottom Side | 0mm  | Ant 1 | ECl 6 | 40620       | 2593          | 21.07 | 22.50 | 1.390 | 62.9 | 1.006 | 0     | 1.010 | 1.412 |
| 120 | LTE Band 41 PC2  | 20M | QPSK | 1   | 0  | -             | Back        | 0mm  | Ant 1 | ECl 6 | 41490       | 2680          | 24.03 | 25.50 | 1.403 | 42.9 | 1.009 | 0.01  | 2.470 | 3.496 |
|     | LTE Band 41C     | 20M | QPSK | 1   | 99 | -             | Back        | 0mm  | Ant 1 | ECl 6 | 41490+41292 | 2680+2660.2   | 20.80 | 22.50 | 1.479 | 62.9 | 1.006 | 0.03  | 1.825 | 2.716 |
|     | LTE Band 41C PC2 | 20M | QPSK | 1   | 99 | -             | Back        | 0mm  | Ant 1 | ECl 6 | 41490+41292 | 2680+2660.2   | 23.68 | 25.50 | 1.521 | 42.9 | 1.009 | 0.06  | 2.210 | 3.391 |
|     | LTE Band 41C PC2 | 20M | QPSK | 1   | 99 | -             | Back        | 0mm  | Ant 1 | ECl 6 | 39790+39988 | 2510+2529.8   | 23.68 | 25.50 | 1.521 | 42.9 | 1.009 | 0.06  | 2.100 | 3.222 |
|     | LTE Band 41C PC2 | 20M | QPSK | 1   | 99 | -             | Back        | 0mm  | Ant 1 | ECl 6 | 39750+39948 | 2506+2525.8   | 23.62 | 25.50 | 1.542 | 42.9 | 1.009 | 0.06  | 2.050 | 3.189 |
|     | LTE Band 41C PC2 | 20M | QPSK | 1   | 99 | -             | Back        | 0mm  | Ant 1 | ECl 6 | 40185+40383 | 2549.5+2569.3 | 23.82 | 25.50 | 1.472 | 42.9 | 1.009 | 0.06  | 2.156 | 3.203 |
|     | LTE Band 41C PC2 | 20M | QPSK | 1   | 99 | -             | Back        | 0mm  | Ant 1 | ECl 6 | 40620+40818 | 2593+2612.8   | 23.84 | 25.50 | 1.466 | 42.9 | 1.009 | 0.06  | 2.195 | 3.246 |
|     | LTE Band 41C PC2 | 20M | QPSK | 1   | 99 | -             | Back        | 0mm  | Ant 1 | ECl 6 | 41055+41253 | 2636.5+2656.3 | 23.68 | 25.50 | 1.521 | 42.9 | 1.009 | 0.06  | 2.186 | 3.354 |
|     | LTE Band 41      | 20M | QPSK | 1   | 0  | -             | Front       | 4mm  | Ant 1 | ECl 4 | 40185       | 2549.5        | 22.46 | 24.00 | 1.426 | 62.9 | 1.006 | -0.01 | 0.265 | 0.380 |
|     | LTE Band 41      | 20M | QPSK | 1   | 0  | -             | Back        | 14mm | Ant 1 | ECl 4 | 41490       | 2680          | 22.32 | 24.00 | 1.472 | 62.9 | 1.006 | -0.06 | 0.099 | 0.147 |
|     | LTE Band 41      | 20M | QPSK | 1   | 0  | -             | Left Side   | 9mm  | Ant 1 | ECl 4 | 40185       | 2549.5        | 22.46 | 24.00 | 1.426 | 62.9 | 1.006 | -0.04 | 0.105 | 0.151 |
|     | LTE Band 41      | 20M | QPSK | 1   | 0  | -             | Bottom Side | 10mm | Ant 1 | ECl 4 | 40620       | 2593          | 22.59 | 24.00 | 1.384 | 62.9 | 1.006 | -0.09 | 0.260 | 0.362 |
|     | LTE Band 41 PC2  | 20M | QPSK | 1   | 0  | -             | Back        | 14mm | Ant 1 | ECl 4 | 41490       | 2680          | 25.29 | 27.00 | 1.483 | 42.9 | 1.009 | -0.06 | 0.158 | 0.236 |
|     | LTE Band 41      | 20M | QPSK | 1   | 0  | -             | Front       | 0mm  | Ant 4 | ECl 6 | 40620       | 2593          | 19.62 | 20.50 | 1.225 | 62.9 | 1.006 | 0.03  | 0.922 | 1.136 |
|     | LTE Band 41      | 20M | QPSK | 50  | 0  | -             | Front       | 0mm  | Ant 4 | ECl 6 | 40620       | 2593          | 18.71 | 19.50 | 1.199 | 62.9 | 1.006 | 0.16  | 0.922 | 1.113 |
|     | LTE Band 41      | 20M | QPSK | 1   | 0  | -             | Back        | 0mm  | Ant 4 | ECl 6 | 40620       | 2593          | 19.62 | 20.50 | 1.225 | 62.9 | 1.006 | 0.01  | 1.500 | 1.848 |
|     | LTE Band 41      | 20M | QPSK | 1   | 0  | -             | Back        | 0mm  | Ant 4 | ECl 6 | 39750       | 2506          | 19.27 | 20.50 | 1.327 | 62.9 | 1.006 | 0.14  | 1.500 | 2.003 |
|     | LTE Band 41      | 20M | QPSK | 1   | 0  | -             | Back        | 0mm  | Ant 4 | ECl 6 | 40185       | 2549.5        | 19.36 | 20.50 | 1.300 | 62.9 | 1.006 | -0.09 | 1.651 | 2.159 |
|     | LTE Band 41      | 20M | QPSK | 1   | 0  | -             | Back        | 0mm  | Ant 4 | ECl 6 | 41055       | 2636.5        | 19.54 | 20.50 | 1.247 | 62.9 | 1.006 | -0.09 | 1.140 | 1.431 |
|     | LTE Band 41      | 20M | QPSK | 1   | 0  | -             | Back        | 0mm  | Ant 4 | ECl 6 | 41490       | 2680          | 19.51 | 20.50 | 1.256 | 62.9 | 1.006 | -0.12 | 0.931 | 1.176 |
|     | LTE Band 41      | 20M | QPSK | 50  | 0  | -             | Back        | 0mm  | Ant 4 | ECl 6 | 40620       | 2593          | 18.71 | 19.50 | 1.199 | 62.9 | 1.006 | -0.06 | 1.060 | 1.279 |
|     | LTE Band 41      | 20M | QPSK | 100 | 0  | -             | Back        | 0mm  | Ant 4 | ECl 6 | 40620       | 2593          | 18.69 | 19.50 | 1.205 | 62.9 | 1.006 | -0.19 | 1.150 | 1.394 |
|     | LTE Band 41      | 20M | QPSK | 1   | 0  | -             | Top Side    | 0mm  | Ant 4 | ECl 6 | 40620       | 2593          | 19.62 | 20.50 | 1.225 | 62.9 | 1.006 | 0.09  | 0.896 | 1.104 |
|     | LTE Band 41      | 20M | QPSK | 50  | 0  | -             | Top Side    | 0mm  | Ant 4 | ECl 6 | 40620       | 2593          | 18.71 | 19.50 | 1.199 | 62.9 | 1.006 | 0.13  | 0.782 | 0.944 |
|     | LTE Band 41 PC2  | 20M | QPSK | 1   | 0  | -             | Back        | 0mm  | Ant 4 | ECl 6 | 40185       | 2549.5        | 22.02 | 23.50 | 1.406 | 42.9 | 1.009 | 0.08  | 1.950 | 2.766 |
|     | LTE Band 41      | 20M | QPSK | 1   | 0  | -             | Back        | 0mm  | Ant 2 | ECl 4 | 40620       | 2593          | 21.09 | 21.50 | 1.099 | 62.9 | 1.006 | -0.16 | 1.500 | 1.658 |
|     | LTE Band 41      | 20M | QPSK | 1   | 0  | -             | Back        | 0mm  | Ant 2 | ECl 4 | 39750       | 2506          | 20.68 | 21.50 | 1.208 | 62.9 | 1.006 | 0.1   | 1.350 | 1.640 |
|     | LTE Band 41      | 20M | QPSK | 1   | 0  | -             | Back        | 0mm  | Ant 2 | ECl 4 | 40185       | 2549.5        | 21.03 | 21.50 | 1.114 | 62.9 | 1.006 | -0.1  | 1.420 | 1.592 |
|     | LTE Band 41      | 20M | QPSK | 1   | 0  | -             | Back        | 0mm  | Ant 2 | ECl 4 | 41055       | 2636.5        | 20.86 | 21.50 | 1.159 | 62.9 | 1.006 | -0.05 | 1.250 | 1.457 |
|     | LTE Band 41      | 20M | QPSK | 1   | 0  | -             | Back        | 0mm  | Ant 2 | ECl 4 | 41490       | 2680          | 20.66 | 21.50 | 1.213 | 62.9 | 1.006 | -0.04 | 1.170 | 1.428 |
|     | LTE Band 41      | 20M | QPSK | 50  | 0  | -             | Back        | 0mm  | Ant 2 | ECl 4 | 40620       | 2593          | 21.05 | 21.50 | 1.109 | 62.9 | 1.006 | 0.01  | 1.090 | 1.216 |
|     | LTE Band 41      | 20M | QPSK | 100 | 0  | -             | Back        | 0mm  | Ant 2 | ECl 4 | 40620       | 2593          | 20.97 | 21.50 | 1.130 | 62.9 | 1.006 | -0.15 | 1.090 | 1.239 |
|     | LTE Band 41 PC2  | 20M | QPSK | 1   | 0  | -             | Back        | 0mm  | Ant 2 | ECl 4 | 40620       | 2593          | 23.78 | 24.50 | 1.180 | 42.9 | 1.009 | 0.15  | 1.940 | 2.310 |
|     | LTE Band 41      | 20M | QPSK | 1   | 0  | -             | Back        | 0mm  | Ant 7 | ECl 6 | 40620       | 2593          | 20.44 | 21.50 | 1.276 | 62.9 | 1.006 | -0.02 | 1.672 | 2.147 |
|     | LTE Band 41      | 20M | QPSK | 1   | 0  | -             | Back        | 0mm  | Ant 7 | ECl 6 | 39750       | 2506          | 20.02 | 21.50 | 1.406 | 62.9 | 1.006 | 0.12  | 1.170 | 1.655 |
|     | LTE Band 41      | 20M | QPSK | 1   | 0  | -             | Back        | 0mm  | Ant 7 | ECl 6 | 40185       | 2549.5        | 20.20 | 21.50 | 1.349 | 62.9 | 1.006 | 0.02  | 1.420 | 1.927 |
|     | LTE Band 41      | 20M | QPSK | 1   | 0  | -             | Back        | 0mm  | Ant 7 | ECl 6 | 41055       | 2636.5        | 20.25 | 21.50 | 1.334 | 62.9 | 1.006 | -0.11 | 1.490 | 1.999 |
|     | LTE Band 41      | 20M | QPSK | 1   | 0  | -             | Back        | 0mm  | Ant 7 | ECl 6 | 41490       | 2680          | 20.34 | 21.50 | 1.306 | 62.9 | 1.006 | -0.11 | 1.260 | 1.656 |
|     | LTE Band 41      | 20M | QPSK | 50  | 0  | -             | Back        | 0mm  | Ant 7 | ECl 6 | 40620       | 2593          | 19.36 | 20.50 | 1.300 | 62.9 | 1.006 | -0.05 | 1.080 | 1.413 |
|     | LTE Band 41      | 20M | QPSK | 100 | 0  | -             | Back        | 0mm  | Ant 7 | ECl 6 | 40620       | 2593          | 19.33 | 20.50 | 1.309 | 62.9 | 1.006 | 0.03  | 1.190 | 1.567 |
|     | LTE Band 41      | 20M | QPSK | 1   | 0  | -             | Right Side  | 0mm  | Ant 7 | ECl 6 | 40620       | 2593          | 20.44 | 21.50 | 1.276 | 62.9 | 1.006 | -0.06 | 0.984 | 1.264 |
|     | LTE Band 41      | 20M | QPSK | 50  | 0  | -             | Right Side  | 0mm  | Ant 7 | ECl 6 | 40620       | 2593          | 19.36 | 20.50 | 1.300 | 62.9 | 1.006 | 0.01  | 0.771 | 1.008 |
|     | LTE Band 41 PC2  | 20M | QPSK | 1   | 0  | -             | Back        | 0mm  | Ant 7 | ECl 6 | 40620       | 2593          | 23.37 | 24.50 | 1.297 | 42.9 | 1.009 | -0.03 | 2.070 | 2.709 |
|     | FR1 n7           | 50M | QPSK | 1   | 1  | DFT-SCS-15KHz | Front       | 0mm  | Ant 1 | ECl 6 | 507000      | 2535          | 22.24 | 23.00 | 1.191 | -    | -     | -0.03 | 2.050 | 2.442 |
|     | FR1 n7           | 50M | QPSK | 135 | 68 | DFT-SCS-15KHz | Front       | 0mm  | Ant 1 | ECl 6 | 507000      | 2535          | 22.21 | 23.00 | 1.199 | -    | -     | 0.14  | 2.080 | 2.495 |
|     | FR1 n7           | 50M | QPSK | 270 | 0  | DFT-SCS-15KHz | Front       | 0mm  | Ant 1 | ECl 6 | 507000      | 2535          | 21.17 | 23.00 | 1.524 | -    | -     | 0.11  | 1.700 | 2.591 |
| 121 | FR1 n7           | 50M | QPSK | 1   | 1  | DFT-SCS-15KHz | Back        | 0mm  | Ant 1 | ECl 6 | 507000      | 2535          | 22.24 | 23.00 | 1.191 | -    | -     | 0.08  | 2.560 | 3.050 |
|     | FR1 n7           | 50M | QPSK | 135 | 68 | DFT-SCS-15KHz | Back        | 0mm  | Ant 1 | ECl 6 | 507000      | 2535          | 22.21 | 23.00 | 1.199 | -    | -     | -0.05 | 2.440 | 2.927 |
|     | FR1 n7           | 50M | QPSK | 270 | 0  | DFT-SCS-15KHz | Back        | 0mm  | Ant 1 | ECl 6 | 507000      | 2535          | 21.17 | 23.00 | 1.524 | -    | -     | 0.18  | 1.900 | 2.896 |



**FCC SAR Test Report**

**Report No. : FA391202**

|                |              |      |      |     |     |               |             |      |       |       |        |         |       |       |       |      |       |       |       |       |
|----------------|--------------|------|------|-----|-----|---------------|-------------|------|-------|-------|--------|---------|-------|-------|-------|------|-------|-------|-------|-------|
|                | FR1 n7       | 50M  | QPSK | 1   | 1   | DFT-SCS-15KHz | Left Side   | 0mm  | Ant 1 | ECl 6 | 507000 | 2535    | 22.24 | 23.00 | 1.191 | -    | -     | 0.14  | 1.970 | 2.347 |
|                | FR1 n7       | 50M  | QPSK | 135 | 68  | DFT-SCS-15KHz | Left Side   | 0mm  | Ant 1 | ECl 6 | 507000 | 2535    | 22.21 | 23.00 | 1.199 | -    | -     | -0.17 | 1.990 | 2.387 |
|                | FR1 n7       | 50M  | QPSK | 270 | 0   | DFT-SCS-15KHz | Left Side   | 0mm  | Ant 1 | ECl 6 | 507000 | 2535    | 21.17 | 23.00 | 1.524 | -    | -     | 0.17  | 1.610 | 2.454 |
|                | FR1 n7       | 50M  | QPSK | 1   | 1   | DFT-SCS-15KHz | Bottom Side | 0mm  | Ant 1 | ECl 6 | 507000 | 2535    | 22.24 | 23.00 | 1.191 | -    | -     | -0.05 | 1.590 | 1.894 |
|                | FR1 n7       | 50M  | QPSK | 135 | 68  | DFT-SCS-15KHz | Bottom Side | 0mm  | Ant 1 | ECl 6 | 507000 | 2535    | 22.21 | 23.00 | 1.199 | -    | -     | 0.01  | 1.760 | 2.111 |
|                | FR1 n7       | 50M  | QPSK | 270 | 0   | DFT-SCS-15KHz | Bottom Side | 0mm  | Ant 1 | ECl 6 | 507000 | 2535    | 21.17 | 23.00 | 1.524 | -    | -     | 0.1   | 1.180 | 1.798 |
|                | FR1 n7       | 50M  | QPSK | 1   | 1   | DFT-SCS-15KHz | Front       | 4mm  | Ant 1 | ECl 4 | 507000 | 2535    | 23.23 | 24.00 | 1.194 | -    | -     | 0.03  | 0.881 | 1.052 |
|                | FR1 n7       | 50M  | QPSK | 1   | 1   | DFT-SCS-15KHz | Back        | 14mm | Ant 1 | ECl 4 | 507000 | 2535    | 23.23 | 24.00 | 1.194 | -    | -     | -0.17 | 0.311 | 0.371 |
|                | FR1 n7       | 50M  | QPSK | 1   | 1   | DFT-SCS-15KHz | Left Side   | 9mm  | Ant 1 | ECl 4 | 507000 | 2535    | 23.23 | 24.00 | 1.194 | -    | -     | 0.02  | 0.318 | 0.380 |
|                | FR1 n7       | 50M  | QPSK | 1   | 1   | DFT-SCS-15KHz | Bottom Side | 10mm | Ant 1 | ECl 4 | 507000 | 2535    | 23.23 | 24.00 | 1.194 | -    | -     | -0.11 | 0.305 | 0.364 |
|                | FR1 n41 HPUE | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Front       | 0mm  | Ant 1 | ECl 6 | 518598 | 2592.99 | 22.36 | 23.00 | 1.159 | -    | -     | 0.11  | 2.130 | 2.468 |
|                | FR1 n41 HPUE | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Front       | 0mm  | Ant 1 | ECl 6 | 518598 | 2592.99 | 22.24 | 23.00 | 1.191 | -    | -     | -0.05 | 2.200 | 2.621 |
|                | FR1 n41 HPUE | 100M | QPSK | 270 | 0   | DFT-SCS-30KHz | Front       | 0mm  | Ant 1 | ECl 6 | 518598 | 2592.99 | 21.26 | 23.00 | 1.493 | -    | -     | 0.18  | 1.950 | 2.911 |
|                | FR1 n41 HPUE | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Back        | 0mm  | Ant 1 | ECl 6 | 518598 | 2592.99 | 22.36 | 23.00 | 1.159 | -    | -     | 0.14  | 2.000 | 2.318 |
| 122            | FR1 n41 HPUE | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Back        | 0mm  | Ant 1 | ECl 6 | 518598 | 2592.99 | 22.24 | 23.00 | 1.191 | -    | -     | 0.06  | 2.530 | 3.014 |
|                | FR1 n41 HPUE | 100M | QPSK | 270 | 0   | DFT-SCS-30KHz | Back        | 0mm  | Ant 1 | ECl 6 | 518598 | 2592.99 | 21.26 | 23.00 | 1.493 | -    | -     | -0.17 | 2.010 | 3.001 |
|                | FR1 n41 HPUE | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Left Side   | 0mm  | Ant 1 | ECl 6 | 518598 | 2592.99 | 22.36 | 23.00 | 1.159 | -    | -     | 0.17  | 2.230 | 2.584 |
|                | FR1 n41 HPUE | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Left Side   | 0mm  | Ant 1 | ECl 6 | 518598 | 2592.99 | 22.24 | 23.00 | 1.191 | -    | -     | -0.05 | 2.230 | 2.656 |
|                | FR1 n41 HPUE | 100M | QPSK | 270 | 0   | DFT-SCS-30KHz | Left Side   | 0mm  | Ant 1 | ECl 6 | 518598 | 2592.99 | 21.26 | 23.00 | 1.493 | -    | -     | 0.01  | 1.950 | 2.911 |
|                | FR1 n41 HPUE | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Bottom Side | 0mm  | Ant 1 | ECl 6 | 518598 | 2592.99 | 22.36 | 23.00 | 1.159 | -    | -     | 0.1   | 2.320 | 2.688 |
|                | FR1 n41 HPUE | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Bottom Side | 0mm  | Ant 1 | ECl 6 | 518598 | 2592.99 | 22.24 | 23.00 | 1.191 | -    | -     | -0.17 | 2.000 | 2.382 |
|                | FR1 n41 HPUE | 100M | QPSK | 270 | 0   | DFT-SCS-30KHz | Bottom Side | 0mm  | Ant 1 | ECl 6 | 518598 | 2592.99 | 21.26 | 23.00 | 1.493 | -    | -     | 0.04  | 1.990 | 2.971 |
|                | FR1 n41 HPUE | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Front       | 4mm  | Ant 1 | ECl 4 | 518598 | 2592.99 | 26.14 | 27.00 | 1.219 | -    | -     | 0.18  | 0.799 | 0.974 |
|                | FR1 n41 HPUE | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Back        | 14mm | Ant 1 | ECl 4 | 518598 | 2592.99 | 26.14 | 27.00 | 1.219 | -    | -     | 0.16  | 0.317 | 0.386 |
|                | FR1 n41 HPUE | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Left Side   | 9mm  | Ant 1 | ECl 4 | 518598 | 2592.99 | 26.14 | 27.00 | 1.219 | -    | -     | 0.19  | 0.297 | 0.362 |
|                | FR1 n41 HPUE | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Bottom Side | 10mm | Ant 1 | ECl 4 | 518598 | 2592.99 | 26.14 | 27.00 | 1.219 | -    | -     | 0.13  | 0.296 | 0.361 |
|                | FR1 n41 HPUE | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Front       | 0mm  | Ant 4 | ECl 6 | 518598 | 2592.99 | 20.05 | 20.50 | 1.109 | -    | -     | 0.07  | 0.650 | 0.721 |
|                | FR1 n41 HPUE | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Front       | 0mm  | Ant 4 | ECl 6 | 518598 | 2592.99 | 20.09 | 20.50 | 1.099 | -    | -     | 0.18  | 0.597 | 0.656 |
|                | FR1 n41 HPUE | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Back        | 0mm  | Ant 4 | ECl 6 | 518598 | 2592.99 | 20.05 | 20.50 | 1.109 | -    | -     | 0.01  | 0.880 | 0.976 |
|                | FR1 n41 HPUE | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Back        | 0mm  | Ant 4 | ECl 6 | 518598 | 2592.99 | 20.09 | 20.50 | 1.099 | -    | -     | -0.15 | 0.765 | 0.841 |
|                | FR1 n41 HPUE | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Top Side    | 0mm  | Ant 4 | ECl 6 | 518598 | 2592.99 | 20.05 | 20.50 | 1.109 | -    | -     | 0.19  | 0.747 | 0.829 |
|                | FR1 n41 HPUE | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Top Side    | 0mm  | Ant 4 | ECl 6 | 518598 | 2592.99 | 20.09 | 20.50 | 1.099 | -    | -     | 0.07  | 0.685 | 0.753 |
|                | FR1 n41 HPUE | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Front       | 6mm  | Ant 4 | ECl 4 | 518598 | 2592.99 | 23.29 | 24.00 | 1.178 | -    | -     | -0.08 | 0.125 | 0.147 |
|                | FR1 n41 HPUE | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Back        | 14mm | Ant 4 | ECl 4 | 518598 | 2592.99 | 23.29 | 24.00 | 1.178 | -    | -     | 0.1   | 0.062 | 0.073 |
|                | FR1 n41 HPUE | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Top Side    | 14mm | Ant 4 | ECl 4 | 518598 | 2592.99 | 23.29 | 24.00 | 1.178 | -    | -     | -0.18 | 0.118 | 0.139 |
|                | FR1 n41 HPUE | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Back        | 0mm  | Ant 2 | ECl 4 | 518598 | 2592.99 | 23.53 | 24.00 | 1.114 | -    | -     | 0.02  | 2.150 | 2.396 |
|                | FR1 n41 HPUE | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Back        | 0mm  | Ant 2 | ECl 4 | 518598 | 2592.99 | 23.47 | 24.00 | 1.130 | -    | -     | -0.04 | 1.600 | 1.808 |
|                | FR1 n41 HPUE | 100M | QPSK | 270 | 0   | DFT-SCS-30KHz | Back        | 0mm  | Ant 2 | ECl 4 | 518598 | 2592.99 | 23.36 | 24.00 | 1.159 | -    | -     | 0.05  | 1.540 | 1.785 |
|                | FR1 n41 HPUE | 100M | QPSK | 1   | 1   | DFT-SCS-30KHz | Front       | 0mm  | Ant 7 | ECl 6 | 518598 | 2592.99 | 24.05 | 25.00 | 1.245 | -    | -     | -0.16 | 1.120 | 1.394 |
|                | FR1 n41 HPUE | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Front       | 0mm  | Ant 7 | ECl 6 | 518598 | 2592.99 | 23.98 | 25.00 | 1.265 | -    | -     | -0.02 | 0.986 | 1.247 |
|                | FR1 n41 HPUE | 100M | QPSK | 1   | 1   | DFT-SCS-30KHz | Back        | 0mm  | Ant 7 | ECl 6 | 518598 | 2592.99 | 24.05 | 25.00 | 1.245 | -    | -     | 0.09  | 1.990 | 2.477 |
|                | FR1 n41 HPUE | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Back        | 0mm  | Ant 7 | ECl 6 | 518598 | 2592.99 | 23.98 | 25.00 | 1.265 | -    | -     | -0.09 | 1.710 | 2.163 |
|                | FR1 n41 HPUE | 100M | QPSK | 270 | 0   | DFT-SCS-30KHz | Back        | 0mm  | Ant 7 | ECl 6 | 518598 | 2592.99 | 23.11 | 25.00 | 1.545 | -    | -     | 0.11  | 1.770 | 2.735 |
|                | FR1 n41 HPUE | 100M | QPSK | 1   | 1   | DFT-SCS-30KHz | Right Side  | 0mm  | Ant 7 | ECl 6 | 518598 | 2592.99 | 24.05 | 25.00 | 1.245 | -    | -     | -0.05 | 1.510 | 1.879 |
|                | FR1 n41 HPUE | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Right Side  | 0mm  | Ant 7 | ECl 6 | 518598 | 2592.99 | 23.98 | 25.00 | 1.265 | -    | -     | -0.08 | 0.995 | 1.258 |
|                | FR1 n41 HPUE | 100M | QPSK | 270 | 0   | DFT-SCS-30KHz | Right Side  | 0mm  | Ant 7 | ECl 6 | 518598 | 2592.99 | 23.11 | 25.00 | 1.545 | -    | -     | 0.16  | 1.230 | 1.901 |
| <b>3500MHz</b> |              |      |      |     |     |               |             |      |       |       |        |         |       |       |       |      |       |       |       |       |
|                | LTE Band 48  | 20M  | QPSK | 1   | 0   | -             | Front       | 0mm  | Ant 5 | ECl 6 | 55830  | 3609    | 20.55 | 22.00 | 1.396 | 62.9 | 1.006 | -0.13 | 1.090 | 1.531 |
|                | LTE Band 48  | 20M  | QPSK | 1   | 0   | -             | Front       | 0mm  | Ant 5 | ECl 6 | 55340  | 3560    | 20.42 | 22.00 | 1.439 | 62.9 | 1.006 | 0.08  | 1.020 | 1.476 |
|                | LTE Band 48  | 20M  | QPSK | 1   | 0   | -             | Front       | 0mm  | Ant 5 | ECl 6 | 56150  | 3641    | 20.43 | 22.00 | 1.435 | 62.9 | 1.006 | 0.16  | 1.010 | 1.459 |
|                | LTE Band 48  | 20M  | QPSK | 1   | 0   | -             | Front       | 0mm  | Ant 5 | ECl 6 | 56640  | 3690    | 20.53 | 22.00 | 1.403 | 62.9 | 1.006 | 0.01  | 0.960 | 1.355 |
|                | LTE Band 48  | 20M  | QPSK | 50  | 0   | -             | Front       | 0mm  | Ant 5 | ECl 6 | 55830  | 3609    | 20.54 | 22.00 | 1.400 | 62.9 | 1.006 | -0.16 | 0.882 | 1.242 |
|                | LTE Band 48  | 20M  | QPSK | 100 | 0   | -             | Front       | 0mm  | Ant 5 | ECl 6 | 55830  | 3609    | 20.51 | 22.00 | 1.409 | 62.9 | 1.006 | 0     | 0.865 | 1.226 |
|                | LTE Band 48  | 20M  | QPSK | 1   | 0   | -             | Back        | 0mm  | Ant 5 | ECl 6 | 55830  | 3609    | 20.55 | 22.00 | 1.396 | 62.9 | 1.006 | -0.11 | 1.870 | 2.627 |
|                | LTE Band 48  | 20M  | QPSK | 1   | 0   | -             | Back        | 0mm  | Ant 5 | ECl 6 | 55340  | 3560    | 20.42 | 22.00 | 1.439 | 62.9 | 1.006 | -0.06 | 1.720 | 2.490 |
| 123            | LTE Band 48  | 20M  | QPSK | 1   | 0   | -             | Back        | 0mm  | Ant 5 | ECl 6 | 56150  | 3641    | 20.43 | 22.00 | 1.435 | 62.9 | 1.006 | -0.15 | 1.920 | 2.773 |



**FCC SAR Test Report**

**Report No. : FA391202**

|     |                           |      |      |     |     |               |            |     |       |       |             |             |       |       |       |      |       |       |       |              |
|-----|---------------------------|------|------|-----|-----|---------------|------------|-----|-------|-------|-------------|-------------|-------|-------|-------|------|-------|-------|-------|--------------|
|     | LTE Band 48C              | 20M  | QPSK | 1   | 99  | -             | Back       | 0mm | Ant 5 | ECI 6 | 56150+56348 | 3641+3660.8 | 20.59 | 22.00 | 1.384 | 62.9 | 1.006 | 0.06  | 1.860 | 2.589        |
|     | LTE Band 48               | 20M  | QPSK | 1   | 0   | -             | Back       | 0mm | Ant 5 | ECI 6 | 56640       | 3690        | 20.53 | 22.00 | 1.403 | 62.9 | 1.006 | -0.13 | 1.830 | 2.583        |
|     | LTE Band 48               | 20M  | QPSK | 50  | 0   | -             | Back       | 0mm | Ant 5 | ECI 6 | 55830       | 3609        | 20.54 | 22.00 | 1.400 | 62.9 | 1.006 | 0.16  | 1.440 | 2.027        |
|     | LTE Band 48               | 20M  | QPSK | 50  | 0   | -             | Back       | 0mm | Ant 5 | ECI 6 | 55340       | 3560        | 20.51 | 22.00 | 1.409 | 62.9 | 1.006 | -0.15 | 1.570 | 2.226        |
|     | LTE Band 48               | 20M  | QPSK | 50  | 0   | -             | Back       | 0mm | Ant 5 | ECI 6 | 56150       | 3641        | 20.51 | 22.00 | 1.409 | 62.9 | 1.006 | -0.02 | 1.510 | 2.141        |
|     | LTE Band 48               | 20M  | QPSK | 50  | 0   | -             | Back       | 0mm | Ant 5 | ECI 6 | 56640       | 3690        | 20.43 | 22.00 | 1.435 | 62.9 | 1.006 | -0.09 | 1.570 | 2.267        |
|     | LTE Band 48               | 20M  | QPSK | 100 | 0   | -             | Back       | 0mm | Ant 5 | ECI 6 | 55830       | 3609        | 20.51 | 22.00 | 1.409 | 62.9 | 1.006 | 0.14  | 1.470 | 2.084        |
|     | LTE Band 48               | 20M  | QPSK | 1   | 0   | -             | Right Side | 0mm | Ant 5 | ECI 4 | 55830       | 3609        | 22.51 | 24.00 | 1.409 | 62.9 | 1.006 | 0.1   | 0.575 | 0.815        |
|     | LTE Band 48               | 20M  | QPSK | 50  | 0   | -             | Right Side | 0mm | Ant 5 | ECI 4 | 55830       | 3609        | 21.52 | 23.00 | 1.406 | 62.9 | 1.006 | -0.09 | 0.466 | 0.659        |
|     | LTE Band 48               | 20M  | QPSK | 1   | 0   | -             | Top Side   | 0mm | Ant 5 | ECI 6 | 55830       | 3609        | 20.55 | 22.00 | 1.396 | 62.9 | 1.006 | 0.07  | 0.996 | 1.399        |
|     | LTE Band 48               | 20M  | QPSK | 50  | 0   | -             | Top Side   | 0mm | Ant 5 | ECI 6 | 55830       | 3609        | 20.54 | 22.00 | 1.400 | 62.9 | 1.006 | -0.07 | 0.951 | 1.339        |
|     | LTE Band 48               | 20M  | QPSK | 1   | 0   | -             | Front      | 1mm | Ant 5 | ECI 4 | 55830       | 3609        | 22.51 | 24.00 | 1.409 | 62.9 | 1.006 | -0.09 | 1.400 | 1.985        |
|     | LTE Band 48               | 20M  | QPSK | 1   | 0   | -             | Back       | 9mm | Ant 5 | ECI 4 | 56150       | 3641        | 22.44 | 24.00 | 1.432 | 62.9 | 1.006 | -0.06 | 0.189 | 0.272        |
|     | LTE Band 48               | 20M  | QPSK | 1   | 0   | -             | Top Side   | 9mm | Ant 5 | ECI 4 | 56150       | 3641        | 22.44 | 24.00 | 1.432 | 62.9 | 1.006 | -0.17 | 0.348 | 0.501        |
|     | FR1 n48                   | 40M  | QPSK | 1   | 53  | DFT-SCS-30KHz | Front      | 0mm | Ant 5 | ECI 6 | 641666      | 3624.99     | 17.53 | 19.00 | 1.403 | -    | -     | -0.09 | 0.976 | 1.369        |
|     | FR1 n48                   | 40M  | QPSK | 50  | 28  | DFT-SCS-30KHz | Front      | 0mm | Ant 5 | ECI 6 | 641666      | 3624.99     | 18.09 | 19.00 | 1.233 | -    | -     | -0.06 | 1.090 | 1.344        |
|     | FR1 n48                   | 40M  | QPSK | 1   | 53  | DFT-SCS-30KHz | Back       | 0mm | Ant 5 | ECI 6 | 641666      | 3624.99     | 17.53 | 19.00 | 1.403 | -    | -     | -0.01 | 1.840 | 2.581        |
|     | FR1 n48                   | 40M  | QPSK | 1   | 53  | DFT-SCS-30KHz | Back       | 0mm | Ant 5 | ECI 6 | 638000      | 3570        | 17.43 | 19.00 | 1.435 | -    | -     | 0.08  | 1.680 | 2.412        |
|     | FR1 n48                   | 40M  | QPSK | 1   | 53  | DFT-SCS-30KHz | Back       | 0mm | Ant 5 | ECI 6 | 645332      | 3679.98     | 17.43 | 19.00 | 1.435 | -    | -     | 0.01  | 1.570 | 2.254        |
| 124 | FR1 n48                   | 40M  | QPSK | 50  | 28  | DFT-SCS-30KHz | Back       | 0mm | Ant 5 | ECI 6 | 641666      | 3624.99     | 18.09 | 19.00 | 1.233 | -    | -     | 0.02  | 2.130 | <b>2.627</b> |
|     | FR1 n48                   | 40M  | QPSK | 50  | 28  | DFT-SCS-30KHz | Back       | 0mm | Ant 5 | ECI 6 | 638000      | 3570        | 17.44 | 19.00 | 1.432 | -    | -     | 0.03  | 1.740 | 2.492        |
|     | FR1 n48                   | 40M  | QPSK | 50  | 28  | DFT-SCS-30KHz | Back       | 0mm | Ant 5 | ECI 6 | 645332      | 3679.98     | 17.51 | 19.00 | 1.409 | -    | -     | -0.08 | 1.750 | 2.466        |
|     | FR1 n48                   | 40M  | QPSK | 100 | 0   | DFT-SCS-30KHz | Back       | 0mm | Ant 5 | ECI 6 | 641666      | 3624.99     | 17.49 | 19.00 | 1.416 | -    | -     | -0.11 | 1.770 | 2.506        |
|     | FR1 n48                   | 40M  | QPSK | 100 | 0   | DFT-SCS-30KHz | Back       | 0mm | Ant 5 | ECI 6 | 638000      | 3570        | 17.42 | 19.00 | 1.439 | -    | -     | -0.08 | 1.640 | 2.360        |
|     | FR1 n48                   | 40M  | QPSK | 100 | 0   | DFT-SCS-30KHz | Back       | 0mm | Ant 5 | ECI 6 | 645332      | 3679.98     | 17.32 | 19.00 | 1.472 | -    | -     | 0.10  | 1.630 | 2.400        |
|     | FR1 n48                   | 40M  | QPSK | 1   | 53  | DFT-SCS-30KHz | Right Side | 0mm | Ant 5 | ECI 4 | 641666      | 3624.99     | 21.58 | 23.00 | 1.387 | -    | -     | 0.14  | 1.220 | 1.692        |
|     | FR1 n48                   | 40M  | QPSK | 50  | 28  | DFT-SCS-30KHz | Right Side | 0mm | Ant 5 | ECI 4 | 641666      | 3624.99     | 22.03 | 23.00 | 1.250 | -    | -     | 0.03  | 1.680 | 2.100        |
|     | FR1 n48                   | 40M  | QPSK | 50  | 28  | DFT-SCS-30KHz | Right Side | 0mm | Ant 5 | ECI 4 | 638000      | 3570        | 21.45 | 23.00 | 1.429 | -    | -     | -0.18 | 1.410 | 2.015        |
|     | FR1 n48                   | 40M  | QPSK | 50  | 28  | DFT-SCS-30KHz | Right Side | 0mm | Ant 5 | ECI 4 | 645332      | 3679.98     | 21.46 | 23.00 | 1.426 | -    | -     | 0.10  | 1.390 | 1.982        |
|     | FR1 n48                   | 40M  | QPSK | 100 | 0   | DFT-SCS-30KHz | Right Side | 0mm | Ant 5 | ECI 4 | 641666      | 3624.99     | 20.80 | 22.00 | 1.318 | -    | -     | 0.10  | 1.330 | 1.753        |
|     | FR1 n48                   | 40M  | QPSK | 1   | 53  | DFT-SCS-30KHz | Top Side   | 0mm | Ant 5 | ECI 6 | 641666      | 3624.99     | 17.53 | 19.00 | 1.403 | -    | -     | 0.16  | 0.992 | 1.392        |
|     | FR1 n48                   | 40M  | QPSK | 50  | 28  | DFT-SCS-30KHz | Top Side   | 0mm | Ant 5 | ECI 6 | 641666      | 3624.99     | 18.09 | 19.00 | 1.233 | -    | -     | -0.06 | 1.010 | 1.245        |
|     | FR1 n48                   | 40M  | QPSK | 1   | 53  | DFT-SCS-30KHz | Front      | 1mm | Ant 5 | ECI 4 | 641666      | 3624.99     | 21.58 | 23.00 | 1.387 | -    | -     | -0.16 | 1.620 | 2.247        |
|     | FR1 n48                   | 40M  | QPSK | 1   | 53  | DFT-SCS-30KHz | Front      | 1mm | Ant 5 | ECI 4 | 638000      | 3570        | 21.37 | 23.00 | 1.455 | -    | -     | 0.12  | 1.440 | 2.096        |
|     | FR1 n48                   | 40M  | QPSK | 1   | 53  | DFT-SCS-30KHz | Front      | 1mm | Ant 5 | ECI 4 | 645332      | 3679.98     | 21.38 | 23.00 | 1.452 | -    | -     | 0.08  | 1.450 | 2.106        |
|     | FR1 n48                   | 40M  | QPSK | 50  | 28  | DFT-SCS-30KHz | Front      | 1mm | Ant 5 | ECI 4 | 641666      | 3624.99     | 22.03 | 23.00 | 1.250 | -    | -     | -0.16 | 1.612 | 2.015        |
|     | FR1 n48                   | 40M  | QPSK | 50  | 28  | DFT-SCS-30KHz | Front      | 1mm | Ant 5 | ECI 4 | 638000      | 3570        | 21.45 | 23.00 | 1.429 | -    | -     | -0.17 | 1.310 | 1.872        |
|     | FR1 n48                   | 40M  | QPSK | 50  | 28  | DFT-SCS-30KHz | Front      | 1mm | Ant 5 | ECI 4 | 645332      | 3679.98     | 21.46 | 23.00 | 1.426 | -    | -     | -0.03 | 1.280 | 1.825        |
|     | FR1 n48                   | 40M  | QPSK | 100 | 0   | DFT-SCS-30KHz | Front      | 1mm | Ant 5 | ECI 4 | 641666      | 3624.99     | 20.80 | 22.00 | 1.318 | -    | -     | -0.16 | 1.605 | 2.116        |
|     | FR1 n48                   | 40M  | QPSK | 100 | 0   | DFT-SCS-30KHz | Front      | 1mm | Ant 5 | ECI 4 | 638000      | 3570        | 20.66 | 22.00 | 1.361 | -    | -     | 0.14  | 1.540 | 2.097        |
|     | FR1 n48                   | 40M  | QPSK | 100 | 0   | DFT-SCS-30KHz | Front      | 1mm | Ant 5 | ECI 4 | 645332      | 3679.98     | 20.58 | 22.00 | 1.387 | -    | -     | 0.11  | 1.450 | 2.011        |
|     | FR1 n48                   | 40M  | QPSK | 1   | 53  | DFT-SCS-30KHz | Back       | 9mm | Ant 5 | ECI 4 | 641666      | 3624.99     | 21.58 | 23.00 | 1.387 | -    | -     | 0.05  | 0.177 | 0.245        |
|     | FR1 n48                   | 40M  | QPSK | 1   | 53  | DFT-SCS-30KHz | Top Side   | 9mm | Ant 5 | ECI 4 | 641666      | 3624.99     | 21.58 | 23.00 | 1.387 | -    | -     | -0.03 | 0.332 | 0.460        |
|     | FR1 n77(78) Part 270      | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Front      | 0mm | Ant 5 | ECI 6 | 656000      | 3840        | 20.82 | 21.50 | 1.169 | -    | -     | 0.15  | 0.903 | 1.056        |
|     | FR1 n77(78) Part 270      | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Front      | 0mm | Ant 5 | ECI 6 | 656000      | 3840        | 20.68 | 21.50 | 1.208 | -    | -     | -0.09 | 1.130 | 1.365        |
|     | FR1 n77(78) Part 270      | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Back       | 0mm | Ant 5 | ECI 6 | 656000      | 3840        | 20.82 | 21.50 | 1.169 | -    | -     | -0.05 | 1.560 | 1.824        |
|     | FR1 n77(78) Part 270      | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Back       | 0mm | Ant 5 | ECI 6 | 656000      | 3840        | 20.68 | 21.50 | 1.208 | -    | -     | 0.05  | 1.800 | 2.174        |
|     | FR1 n77(78) Part 270 ENDC | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Back       | 0mm | Ant 5 | ECI 6 | 656000      | 3840        | 17.55 | 18.50 | 1.245 | -    | -     | 0.09  | 0.911 | 1.134        |
|     | FR1 n77(78) Part 270      | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Back       | 0mm | Ant 5 | ECI 6 | 650000      | 3750        | 20.61 | 21.50 | 1.227 | -    | -     | 0.05  | 1.750 | 2.148        |
|     | FR1 n77(78) Part 270      | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Back       | 0mm | Ant 5 | ECI 6 | 662000      | 3930        | 20.60 | 21.50 | 1.230 | -    | -     | 0.05  | 1.710 | 2.104        |
|     | FR1 n77(78) Part 270      | 100M | QPSK | 270 | 0   | DFT-SCS-30KHz | Back       | 0mm | Ant 5 | ECI 6 | 656000      | 3840        | 20.61 | 21.50 | 1.227 | -    | -     | -0.08 | 1.680 | 2.062        |
|     | FR1 n77(78) Part 270      | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Right Side | 0mm | Ant 5 | ECI 4 | 656000      | 3840        | 26.07 | 27.00 | 1.239 | -    | -     | 0.16  | 0.590 | 0.731        |
|     | FR1 n77(78) Part 270      | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Right Side | 0mm | Ant 5 | ECI 4 | 656000      | 3840        | 26.02 | 27.00 | 1.253 | -    | -     | 0.05  | 0.590 | 0.739        |
|     | FR1 n77(78) Part 270      | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Top Side   | 0mm | Ant 5 | ECI 6 | 656000      | 3840        | 20.82 | 21.50 | 1.169 | -    | -     | -0.03 | 1.030 | 1.205        |
|     | FR1 n77(78) Part 270      | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Top Side   | 0mm | Ant 5 | ECI 6 | 656000      | 3840        | 20.68 | 21.50 | 1.208 | -    | -     | -0.15 | 1.160 | 1.401        |
|     | FR1 n77(78) Part 270      | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Front      | 1mm | Ant 5 | ECI 4 | 656000      | 3840        | 26.07 | 27.00 | 1.239 | -    | -     | 0.08  | 1.730 | 2.143        |





|     |                              |      |      |     |     |               |            |      |       |      |        |         |       |       |       |   |   |       |       |       |
|-----|------------------------------|------|------|-----|-----|---------------|------------|------|-------|------|--------|---------|-------|-------|-------|---|---|-------|-------|-------|
|     | FR1 n77(78) Part 270         | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Front      | 1mm  | Ant 5 | EI 4 | 650000 | 3750    | 26.01 | 27.00 | 1.256 | - | - | -0.06 | 1.702 | 2.138 |
|     | FR1 n77(78) Part 270         | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Front      | 1mm  | Ant 5 | EI 4 | 662000 | 3930    | 25.96 | 27.00 | 1.271 | - | - | 0.04  | 1.654 | 2.102 |
|     | FR1 n77(78) Part 270         | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Front      | 1mm  | Ant 5 | EI 4 | 656000 | 3840    | 26.02 | 27.00 | 1.253 | - | - | 0.08  | 1.710 | 2.143 |
|     | FR1 n77(78) Part 270         | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Front      | 1mm  | Ant 5 | EI 4 | 650000 | 3750    | 25.98 | 27.00 | 1.265 | - | - | 0.09  | 1.685 | 2.131 |
|     | FR1 n77(78) Part 270         | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Front      | 1mm  | Ant 5 | EI 4 | 662000 | 3930    | 25.90 | 27.00 | 1.288 | - | - | -0.05 | 1.610 | 2.074 |
|     | FR1 n77(78) Part 270         | 100M | QPSK | 270 | 0   | DFT-SCS-30KHz | Front      | 1mm  | Ant 5 | EI 4 | 656000 | 3840    | 24.95 | 26.00 | 1.274 | - | - | 0.08  | 1.650 | 2.101 |
|     | FR1 n77(78) Part 270         | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Back       | 9mm  | Ant 5 | EI 4 | 656000 | 3840    | 26.07 | 27.00 | 1.239 | - | - | 0.01  | 0.706 | 0.875 |
|     | FR1 n77(78) Part 270         | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Top Side   | 9mm  | Ant 5 | EI 4 | 656000 | 3840    | 26.07 | 27.00 | 1.239 | - | - | 0.03  | 0.644 | 0.798 |
|     | FR1 n77(78) Part 27Q         | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Front      | 0mm  | Ant 5 | EI 6 | 633334 | 3500.01 | 20.82 | 21.50 | 1.169 | - | - | 0.01  | 0.805 | 0.941 |
|     | FR1 n77(78) Part 27Q         | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Front      | 0mm  | Ant 5 | EI 6 | 633334 | 3500.01 | 20.77 | 21.50 | 1.183 | - | - | -0.01 | 1.110 | 1.313 |
|     | FR1 n77(78) Part 27Q         | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Back       | 0mm  | Ant 5 | EI 6 | 633334 | 3500.01 | 20.82 | 21.50 | 1.169 | - | - | -0.04 | 1.500 | 1.754 |
|     | FR1 n77(78) Part 27Q         | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Back       | 0mm  | Ant 5 | EI 6 | 633334 | 3500.01 | 20.77 | 21.50 | 1.183 | - | - | 0.05  | 2.110 | 2.496 |
|     | FR1 n77(78) Part 27Q<br>ENDC | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Back       | 0mm  | Ant 5 | EI 6 | 633334 | 3500.01 | 17.54 | 18.50 | 1.247 | - | - | 0.05  | 0.955 | 1.191 |
|     | FR1 n77(78) Part 27Q         | 100M | QPSK | 270 | 0   | DFT-SCS-30KHz | Back       | 0mm  | Ant 5 | EI 6 | 633334 | 3500.01 | 20.66 | 21.50 | 1.213 | - | - | -0.17 | 1.720 | 2.087 |
|     | FR1 n77(78) Part 27Q         | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Right Side | 0mm  | Ant 5 | EI 4 | 633334 | 3500.01 | 26.15 | 27.00 | 1.216 | - | - | -0.1  | 0.318 | 0.387 |
|     | FR1 n77(78) Part 27Q         | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Right Side | 0mm  | Ant 5 | EI 4 | 633334 | 3500.01 | 26.09 | 27.00 | 1.233 | - | - | 0.18  | 0.437 | 0.539 |
|     | FR1 n77(78) Part 27Q         | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Top Side   | 0mm  | Ant 5 | EI 6 | 633334 | 3500.01 | 20.82 | 21.50 | 1.169 | - | - | -0.04 | 1.210 | 1.415 |
|     | FR1 n77(78) Part 27Q         | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Top Side   | 0mm  | Ant 5 | EI 6 | 633334 | 3500.01 | 20.77 | 21.50 | 1.183 | - | - | -0.05 | 1.070 | 1.266 |
|     | FR1 n77(78) Part 27Q         | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Front      | 1mm  | Ant 5 | EI 4 | 633334 | 3500.01 | 26.15 | 27.00 | 1.216 | - | - | -0.09 | 1.350 | 1.642 |
|     | FR1 n77(78) Part 27Q         | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Back       | 9mm  | Ant 5 | EI 4 | 633334 | 3500.01 | 26.15 | 27.00 | 1.216 | - | - | 0.11  | 0.523 | 0.636 |
|     | FR1 n77(78) Part 27Q         | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Top Side   | 9mm  | Ant 5 | EI 4 | 633334 | 3500.01 | 26.15 | 27.00 | 1.216 | - | - | -0.05 | 0.433 | 0.527 |
|     | FR1 n77(78) Part 270         | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Back       | 0mm  | Ant 1 | EI 4 | 656000 | 3840    | 20.78 | 21.00 | 1.052 | - | - | 0.12  | 0.946 | 0.995 |
|     | FR1 n77(78) Part 270         | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Back       | 0mm  | Ant 1 | EI 4 | 656000 | 3840    | 20.74 | 21.00 | 1.062 | - | - | 0.06  | 1.010 | 1.072 |
|     | FR1 n77(78) Part 270         | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Back       | 14mm | Ant 1 | EI 4 | 656000 | 3840    | 20.78 | 21.00 | 1.052 | - | - | 0.14  | 0.044 | 0.046 |
|     | FR1 n77(78) Part 27Q         | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Back       | 0mm  | Ant 1 | EI 6 | 633334 | 3500.01 | 20.89 | 21.00 | 1.026 | - | - | 0.17  | 0.909 | 0.932 |
|     | FR1 n77(78) Part 27Q         | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Back       | 0mm  | Ant 1 | EI 6 | 633334 | 3500.01 | 20.82 | 21.00 | 1.042 | - | - | 0.06  | 1.030 | 1.074 |
|     | FR1 n77(78) Part 27Q         | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Back       | 14mm | Ant 1 | EI 4 | 633334 | 3500.01 | 20.89 | 21.00 | 1.026 | - | - | 0.01  | 0.058 | 0.059 |
|     | FR1 n77(78) Part 270         | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Back       | 0mm  | Ant 8 | EI 6 | 656000 | 3840    | 19.33 | 20.00 | 1.167 | - | - | 0.18  | 1.530 | 1.785 |
|     | FR1 n77(78) Part 270         | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Back       | 0mm  | Ant 8 | EI 6 | 656000 | 3840    | 19.27 | 20.00 | 1.183 | - | - | 0.05  | 1.670 | 1.976 |
|     | FR1 n77(78) Part 270         | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Right Side | 0mm  | Ant 8 | EI 6 | 656000 | 3840    | 19.33 | 20.00 | 1.167 | - | - | -0.1  | 0.667 | 0.778 |
|     | FR1 n77(78) Part 270         | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Right Side | 0mm  | Ant 8 | EI 6 | 656000 | 3840    | 19.27 | 20.00 | 1.183 | - | - | 0.07  | 0.724 | 0.857 |
|     | FR1 n77(78) Part 27Q         | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Back       | 0mm  | Ant 8 | EI 6 | 633334 | 3500.01 | 19.42 | 20.00 | 1.143 | - | - | 0.03  | 1.620 | 1.851 |
| 125 | FR1 n77(78) Part 27Q         | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Back       | 0mm  | Ant 8 | EI 6 | 633334 | 3500.01 | 19.41 | 20.00 | 1.146 | - | - | -0.08 | 2.180 | 2.497 |
|     | FR1 n77(78) Part 27Q         | 100M | QPSK | 270 | 0   | DFT-SCS-30KHz | Back       | 0mm  | Ant 8 | EI 6 | 633334 | 3500.01 | 19.30 | 20.00 | 1.175 | - | - | -0.08 | 2.110 | 2.479 |
|     | FR1 n77(78) Part 27Q         | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Right Side | 0mm  | Ant 8 | EI 6 | 633334 | 3500.01 | 19.42 | 20.00 | 1.143 | - | - | 0.1   | 0.439 | 0.502 |
|     | FR1 n77(78) Part 27Q         | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Right Side | 0mm  | Ant 8 | EI 6 | 633334 | 3500.01 | 19.41 | 20.00 | 1.146 | - | - | -0.18 | 0.509 | 0.583 |
|     | FR1 n77(78) Part 270         | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Back       | 0mm  | Ant 2 | EI 4 | 656000 | 3840    | 15.84 | 16.50 | 1.164 | - | - | 0.08  | 1.900 | 2.212 |
|     | FR1 n77(78) Part 270         | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Back       | 0mm  | Ant 2 | EI 4 | 650000 | 3750    | 15.77 | 16.50 | 1.183 | - | - | 0.01  | 1.810 | 2.141 |
|     | FR1 n77(78) Part 270         | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Back       | 0mm  | Ant 2 | EI 4 | 662000 | 3930    | 15.80 | 16.50 | 1.175 | - | - | 0.03  | 1.820 | 2.138 |
|     | FR1 n77(78) Part 270         | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Back       | 0mm  | Ant 2 | EI 4 | 656000 | 3840    | 15.82 | 16.50 | 1.169 | - | - | -0.08 | 1.910 | 2.234 |
|     | FR1 n77(78) Part 270         | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Back       | 0mm  | Ant 2 | EI 4 | 650000 | 3750    | 15.70 | 16.50 | 1.202 | - | - | 0.1   | 1.840 | 2.212 |
|     | FR1 n77(78) Part 270         | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Back       | 0mm  | Ant 2 | EI 4 | 662000 | 3930    | 15.78 | 16.50 | 1.180 | - | - | -0.18 | 1.830 | 2.160 |
|     | FR1 n77(78) Part 270         | 100M | QPSK | 270 | 0   | DFT-SCS-30KHz | Back       | 0mm  | Ant 2 | EI 4 | 656000 | 3840    | 15.76 | 16.50 | 1.186 | - | - | 0.1   | 1.650 | 1.957 |
|     | FR1 n77(78) Part 270         | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Left Side  | 0mm  | Ant 2 | EI 4 | 656000 | 3840    | 15.84 | 16.50 | 1.164 | - | - | 0.12  | 0.566 | 0.659 |
|     | FR1 n77(78) Part 270         | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Left Side  | 0mm  | Ant 2 | EI 4 | 656000 | 3840    | 15.82 | 16.50 | 1.169 | - | - | 0.08  | 0.798 | 0.933 |
|     | FR1 n77(78) Part 27Q         | 100M | QPSK | 1   | 137 | DFT-SCS-30KHz | Back       | 0mm  | Ant 2 | EI 4 | 633334 | 3500.01 | 15.69 | 16.50 | 1.205 | - | - | 0.02  | 0.695 | 0.837 |
|     | FR1 n77(78) Part 27Q         | 100M | QPSK | 135 | 69  | DFT-SCS-30KHz | Back       | 0mm  | Ant 2 | EI 4 | 633334 | 3500.01 | 15.63 | 16.50 | 1.222 | - | - | 0.03  | 0.741 | 0.905 |





| Plot No.    | Band       | Mode                | Test Position | Gap (mm) | Antenna | Power State  | Ch. | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Duty Cycle % | Duty Cycle Scaling Factor | Power Drift (dB) | Measured 10g SAR (W/kg) | Reported 10g SAR (W/kg) |
|-------------|------------|---------------------|---------------|----------|---------|--------------|-----|-------------|---------------------|---------------------|------------------------|--------------|---------------------------|------------------|-------------------------|-------------------------|
| <b>WLAN</b> |            |                     |               |          |         |              |     |             |                     |                     |                        |              |                           |                  |                         |                         |
|             | WLAN2.4GHz | 802.11b 1Mbps       | Back          | 0mm      | Ant 6   | Standalone   | 6   | 2437        | 19.38               | 21.00               | 1.452                  | 99.14        | 1.009                     | -0.09            | 1.440                   | 2.110                   |
| 126         | WLAN2.4GHz | 802.11b 1Mbps       | Back          | 0mm      | Ant 6   | Standalone   | 11  | 2462        | 19.49               | 21.00               | 1.416                  | 99.14        | 1.009                     | -0.06            | 1.590                   | <b>2.271</b>            |
|             | WLAN2.4GHz | 802.11b 1Mbps       | Back          | 0mm      | Ant 6   | Simultaneous | 11  | 2462        | 15.39               | 17.00               | 1.449                  | 99.14        | 1.009                     | -0.06            | 0.610                   | 0.892                   |
|             | WLAN2.4GHz | 802.11b 1Mbps       | Back          | 12mm     | Ant 6   | Full Power   | 11  | 2462        | 19.49               | 21.00               | 1.416                  | 99.14        | 1.009                     | -0.06            | 0.155                   | 0.221                   |
|             | WLAN5.2GHz | 802.11ac-VHT40 MCS0 | Front         | 0mm      | Ant 6   | Standalone   | 46  | 5230        | 17.72               | 19.50               | 1.506                  | 93.71        | 1.067                     | 0.08             | 0.218                   | 0.350                   |
| 127         | WLAN5.2GHz | 802.11ac-VHT40 MCS0 | Back          | 0mm      | Ant 6   | Standalone   | 46  | 5230        | 17.72               | 19.50               | 1.506                  | 93.71        | 1.067                     | -0.04            | 1.960                   | <b>3.149</b>            |
|             | WLAN5.2GHz | 802.11ac-VHT40 MCS0 | Back          | 0mm      | Ant 6   | Standalone   | 38  | 5190        | 16.22               | 17.50               | 1.342                  | 93.71        | 1.067                     | 0.09             | 1.460                   | 2.091                   |
|             | WLAN5.2GHz | 802.11a 6Mbps       | Back          | 0mm      | Ant 6   | Standalone   | 40  | 5200        | 17.89               | 19.50               | 1.449                  | 96.98        | 1.031                     | -0.01            | 1.820                   | 2.719                   |
|             | WLAN5.2GHz | 802.11ac-VHT80 MCS0 | Back          | 0mm      | Ant 6   | Simultaneous | 42  | 5210        | 11.86               | 13.50               | 1.459                  | 88.14        | 1.135                     | 0.05             | 0.569                   | 0.942                   |
|             | WLAN5.2GHz | 802.11ac-VHT40 MCS0 | Left Side     | 0mm      | Ant 6   | Standalone   | 46  | 5230        | 17.72               | 19.50               | 1.506                  | 93.71        | 1.067                     | 0.03             | 0.011                   | 0.018                   |
|             | WLAN5.2GHz | 802.11ac-VHT40 MCS0 | Right Side    | 0mm      | Ant 6   | Standalone   | 46  | 5230        | 17.72               | 19.50               | 1.506                  | 93.71        | 1.067                     | -0.08            | 0.815                   | 1.310                   |
|             | WLAN5.2GHz | 802.11ac-VHT40 MCS0 | Top Side      | 0mm      | Ant 6   | Standalone   | 46  | 5230        | 17.72               | 19.50               | 1.506                  | 93.71        | 1.067                     | -0.08            | 1.090                   | 1.751                   |
|             | WLAN5.2GHz | 802.11ac-VHT40 MCS0 | Bottom Side   | 0mm      | Ant 6   | Standalone   | 46  | 5230        | 17.72               | 19.50               | 1.506                  | 93.71        | 1.067                     | 0.1              | 0.039                   | 0.063                   |
|             | WLAN5.2GHz | 802.11a 6Mbps       | Front         | 5mm      | Ant 6   | Full Power   | 40  | 5200        | 19.90               | 21.50               | 1.445                  | 96.98        | 1.031                     | 0.08             | 0.119                   | 0.177                   |
|             | WLAN5.2GHz | 802.11a 6Mbps       | Back          | 12mm     | Ant 6   | Full Power   | 40  | 5200        | 19.90               | 21.50               | 1.445                  | 96.98        | 1.031                     | 0.08             | 0.301                   | 0.449                   |
|             | WLAN5.2GHz | 802.11a 6Mbps       | Right Side    | 8mm      | Ant 6   | Full Power   | 40  | 5200        | 19.90               | 21.50               | 1.445                  | 96.98        | 1.031                     | 0.08             | 0.261                   | 0.389                   |
|             | WLAN5.2GHz | 802.11a 6Mbps       | Top Side      | 11mm     | Ant 6   | Full Power   | 40  | 5200        | 19.90               | 21.50               | 1.445                  | 96.98        | 1.031                     | 0.08             | 0.207                   | 0.308                   |
|             | WLAN5.3GHz | 802.11ac-VHT40 MCS0 | Front         | 0mm      | Ant 6   | Standalone   | 54  | 5270        | 17.75               | 19.50               | 1.495                  | 93.71        | 1.067                     | -0.03            | 0.216                   | 0.345                   |
| 128         | WLAN5.3GHz | 802.11ac-VHT40 MCS0 | Back          | 0mm      | Ant 6   | Standalone   | 54  | 5270        | 17.75               | 19.50               | 1.495                  | 93.71        | 1.067                     | -0.08            | 1.810                   | <b>2.888</b>            |
|             | WLAN5.3GHz | 802.11ac-VHT40 MCS0 | Back          | 0mm      | Ant 6   | Standalone   | 62  | 5310        | 16.16               | 17.50               | 1.361                  | 93.71        | 1.067                     | 0.01             | 1.220                   | 1.771                   |
|             | WLAN5.3GHz | 802.11ac-VHT80 MCS0 | Back          | 0mm      | Ant 6   | Simultaneous | 58  | 5290        | 11.83               | 13.50               | 1.469                  | 88.14        | 1.135                     | 0.14             | 0.592                   | 0.987                   |
|             | WLAN5.3GHz | 802.11ac-VHT40 MCS0 | Left Side     | 0mm      | Ant 6   | Standalone   | 54  | 5270        | 17.75               | 19.50               | 1.495                  | 93.71        | 1.067                     | 0.11             | 0.015                   | 0.024                   |
|             | WLAN5.3GHz | 802.11ac-VHT40 MCS0 | Right Side    | 0mm      | Ant 6   | Standalone   | 54  | 5270        | 17.75               | 19.50               | 1.495                  | 93.71        | 1.067                     | -0.05            | 0.887                   | 1.415                   |
|             | WLAN5.3GHz | 802.11ac-VHT40 MCS0 | Top Side      | 0mm      | Ant 6   | Standalone   | 54  | 5270        | 17.75               | 19.50               | 1.495                  | 93.71        | 1.067                     | 0.18             | 0.815                   | 1.300                   |
|             | WLAN5.3GHz | 802.11ac-VHT40 MCS0 | Bottom Side   | 0mm      | Ant 6   | Standalone   | 54  | 5270        | 17.75               | 19.50               | 1.495                  | 93.71        | 1.067                     | 0.14             | 0.060                   | 0.096                   |
|             | WLAN5.3GHz | 802.11a 6Mbps       | Front         | 5mm      | Ant 6   | Full Power   | 60  | 5300        | 19.95               | 21.50               | 1.428                  | 96.98        | 1.031                     | -0.03            | 0.128                   | 0.188                   |
|             | WLAN5.3GHz | 802.11a 6Mbps       | Back          | 12mm     | Ant 6   | Full Power   | 60  | 5300        | 19.95               | 21.50               | 1.428                  | 96.98        | 1.031                     | -0.03            | 0.329                   | 0.484                   |
|             | WLAN5.3GHz | 802.11a 6Mbps       | Right Side    | 8mm      | Ant 6   | Full Power   | 60  | 5300        | 19.95               | 21.50               | 1.428                  | 96.98        | 1.031                     | -0.03            | 0.264                   | 0.389                   |
|             | WLAN5.3GHz | 802.11a 6Mbps       | Top Side      | 11mm     | Ant 6   | Full Power   | 60  | 5300        | 19.95               | 21.50               | 1.428                  | 96.98        | 1.031                     | -0.03            | 0.175                   | 0.258                   |
|             | WLAN5.5GHz | 802.11a 6Mbps       | Front         | 0mm      | Ant 6   | Standalone   | 116 | 5580        | 19.08               | 20.50               | 1.387                  | 96.98        | 1.031                     | -0.02            | 0.351                   | 0.502                   |
| 129         | WLAN5.5GHz | 802.11a 6Mbps       | Back          | 0mm      | Ant 6   | Standalone   | 116 | 5580        | 19.08               | 20.50               | 1.387                  | 96.98        | 1.031                     | -0.08            | 2.020                   | <b>2.888</b>            |
|             | WLAN5.5GHz | 802.11ac-VHT80 MCS0 | Back          | 0mm      | Ant 6   | Simultaneous | 138 | 5690        | 14.14               | 15.50               | 1.368                  | 88.14        | 1.135                     | 0.15             | 0.621                   | 0.964                   |
|             | WLAN5.5GHz | 802.11a 6Mbps       | Left Side     | 0mm      | Ant 6   | Standalone   | 116 | 5580        | 19.08               | 20.50               | 1.387                  | 96.98        | 1.031                     | -0.09            | 0.028                   | 0.040                   |
|             | WLAN5.5GHz | 802.11a 6Mbps       | Right Side    | 0mm      | Ant 6   | Standalone   | 116 | 5580        | 19.08               | 20.50               | 1.387                  | 96.98        | 1.031                     | 0.11             | 0.768                   | 1.098                   |
|             | WLAN5.5GHz | 802.11a 6Mbps       | Top Side      | 0mm      | Ant 6   | Standalone   | 116 | 5580        | 19.08               | 20.50               | 1.387                  | 96.98        | 1.031                     | -0.05            | 1.160                   | 1.659                   |
|             | WLAN5.5GHz | 802.11a 6Mbps       | Bottom Side   | 0mm      | Ant 6   | Standalone   | 116 | 5580        | 19.08               | 20.50               | 1.387                  | 96.98        | 1.031                     | -0.08            | 0.053                   | 0.076                   |
|             | WLAN5.5GHz | 802.11a 6Mbps       | Back          | 0mm      | Ant 6   | Standalone   | 124 | 5620        | 18.93               | 20.50               | 1.435                  | 96.98        | 1.031                     | 0.16             | 1.640                   | 2.427                   |
|             | WLAN5.5GHz | 802.11a 6Mbps       | Front         | 5mm      | Ant 6   | Full Power   | 116 | 5580        | 19.55               | 21.00               | 1.395                  | 96.98        | 1.031                     | -0.02            | 0.103                   | 0.148                   |
|             | WLAN5.5GHz | 802.11a 6Mbps       | Back          | 12mm     | Ant 6   | Full Power   | 116 | 5580        | 19.55               | 21.00               | 1.395                  | 96.98        | 1.031                     | -0.02            | 0.363                   | 0.522                   |
|             | WLAN5.5GHz | 802.11a 6Mbps       | Right Side    | 8mm      | Ant 6   | Full Power   | 116 | 5580        | 19.55               | 21.00               | 1.395                  | 96.98        | 1.031                     | -0.02            | 0.235                   | 0.338                   |
|             | WLAN5.5GHz | 802.11a 6Mbps       | Top Side      | 11mm     | Ant 6   | Full Power   | 116 | 5580        | 19.55               | 21.00               | 1.395                  | 96.98        | 1.031                     | -0.02            | 0.134                   | 0.193                   |
| 130         | WLAN5.8GHz | 802.11a 6Mbps       | Back          | 0mm      | Ant 6   | Standalone   | 157 | 5785        | 19.54               | 21.00               | 1.399                  | 96.98        | 1.031                     | 0.05             | 2.010                   | <b>2.898</b>            |
|             | WLAN5.8GHz | 802.11a 6Mbps       | Back          | 0mm      | Ant 6   | Standalone   | 149 | 5745        | 17.10               | 18.50               | 1.380                  | 96.98        | 1.031                     | 0.17             | 1.930                   | 2.747                   |
|             | WLAN5.8GHz | 802.11ac-VHT80 MCS0 | Back          | 0mm      | Ant 6   | Simultaneous | 155 | 5775        | 14.21               | 15.50               | 1.346                  | 88.14        | 1.135                     | 0.05             | 0.602                   | 0.920                   |
|             | WLAN5.8GHz | 802.11a 6Mbps       | Back          | 0mm      | Ant 6   | Standalone   | 165 | 5825        | 19.07               | 20.50               | 1.389                  | 96.98        | 1.031                     | -0.05            | 1.740                   | 2.492                   |
|             | WLAN5.8GHz | 802.11a 6Mbps       | Top Side      | 0mm      | Ant 6   | Standalone   | 157 | 5785        | 19.54               | 21.00               | 1.399                  | 96.98        | 1.031                     | 0.01             | 0.932                   | 1.344                   |
|             | WLAN5.8GHz | 802.11a 6Mbps       | Back          | 12mm     | Ant 6   | Full Power   | 157 | 5785        | 19.54               | 21.00               | 1.399                  | 96.98        | 1.031                     | 0.17             | 0.298                   | 0.430                   |
|             | WLAN5.8GHz | 802.11a 6Mbps       | Top Side      | 11mm     | Ant 6   | Full Power   | 157 | 5785        | 19.54               | 21.00               | 1.399                  | 96.98        | 1.031                     | 0.17             | 0.135                   | 0.195                   |



15.5 Repeated SAR Measurement

<1g>

| Plot No. | Band                 | BW (MHz) | Modulation | RB Size | RB offset | Mode              | Test Position | Gap (mm) | Antenna | Power State | Ch.    | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Duty Cycle % | Duty Cycle Scaling Factor | Power Drift (dB) | Measured 1g SAR (W/kg) | Ratio | Reported 1g SAR (W/kg) |
|----------|----------------------|----------|------------|---------|-----------|-------------------|---------------|----------|---------|-------------|--------|-------------|---------------------|---------------------|------------------------|--------------|---------------------------|------------------|------------------------|-------|------------------------|
| 1st      | LTE Band 14          | 10M      | QPSK       | 1       | 0         | -                 | Back          | 5mm      | Ant 0   | ECI 3       | 23330  | 793         | 22.77               | 24.00               | 1.327                  | -            | -                         | -0.02            | 1.050                  | 1     | 1.394                  |
| 2nd      | LTE Band 14          | 10M      | QPSK       | 1       | 0         | -                 | Back          | 5mm      | Ant 0   | ECI 4       | 23330  | 793         | 22.77               | 24.00               | 1.327                  | -            | -                         | 0.06             | 1.020                  | 1.030 | 1.354                  |
| 1st      | GSM850               | -        | -          | -       | -         | GPRS (4 Tx slots) | Back          | 5mm      | Ant 0   | ECI 3       | 251    | 848.8       | 23.74               | 25.00               | 1.337                  | -            | -                         | 0.02             | 1.050                  | 1     | 1.403                  |
| 2nd      | GSM850               | -        | -          | -       | -         | GPRS (4 Tx slots) | Back          | 5mm      | Ant 0   | ECI 3       | 251    | 848.8       | 28.22               | 29.50               | 1.343                  | -            | -                         | 0.02             | 1.010                  | 1.035 | 1.356                  |
| 1st      | FR1 n70              | 15M      | QPSK       | 36      | 22        | DFT-SCS-15KHz     | Back          | 5mm      | Ant 0   | ECI 3       | 340500 | 1702.5      | 19.00               | 20.00               | 1.259                  | -            | -                         | -0.07            | 1.030                  | 1     | 1.297                  |
| 2nd      | FR1 n70              | 15M      | QPSK       | 36      | 22        | DFT-SCS-15KHz     | Back          | 5mm      | Ant 0   | ECI 3       | 340500 | 1702.5      | 19.00               | 20.00               | 1.259                  | -            | -                         | 0.09             | 0.984                  | 1.047 | 1.239                  |
| 1st      | LTE Band 25          | 20M      | QPSK       | 1       | 0         | -                 | Back          | 5mm      | Ant 0   | ECI 3       | 26340  | 1880        | 13.85               | 15.00               | 1.303                  | -            | -                         | -0.13            | 1.100                  | 1     | 1.433                  |
| 2nd      | LTE Band 25          | 20M      | QPSK       | 1       | 0         | -                 | Back          | 5mm      | Ant 0   | ECI 3       | 26340  | 1880        | 13.85               | 15.00               | 1.303                  | -            | -                         | -0.13            | 1.030                  | 1.068 | 1.342                  |
| 1st      | FR1 n30              | 10M      | QPSK       | 25      | 14        | DFT-SCS-15KHz     | Back          | 5mm      | Ant 1   | ECI 3       | 462000 | 2310        | 20.81               | 21.50               | 1.172                  | -            | -                         | 0.02             | 1.020                  | 1     | 1.196                  |
| 2nd      | FR1 n30              | 10M      | QPSK       | 25      | 14        | DFT-SCS-15KHz     | Back          | 5mm      | Ant 1   | ECI 3       | 462000 | 2310        | 20.81               | 21.50               | 1.172                  | -            | -                         | -0.07            | 0.983                  | 1.038 | 1.152                  |
| 1st      | FR1 n41 PC2          | 100M     | QPSK       | 1       | 137       | DFT-SCS-30KHz     | Back          | 5mm      | Ant 1   | ECI 3       | 518598 | 2592.99     | 19.67               | 20.50               | 1.211                  | -            | -                         | -0.08            | 1.110                  | 1     | 1.344                  |
| 2nd      | FR1 n41 PC2          | 100M     | QPSK       | 1       | 137       | DFT-SCS-30KHz     | Back          | 5mm      | Ant 1   | ECI 3       | 518598 | 2592.99     | 19.67               | 20.50               | 1.211                  | -            | -                         | 0.02             | 1.010                  | 1.099 | 1.223                  |
| 1st      | FR1 n77(78) Part 27Q | 100M     | QPSK       | 135     | 69        | DFT-SCS-30KHz     | Back          | 5mm      | Ant 1   | ECI 3       | 633334 | 3500.01     | 20.82               | 21.00               | 1.042                  | -            | -                         | 0.03             | 0.822                  | 1     | 0.857                  |
| 2nd      | FR1 n77(78) Part 27Q | 100M     | QPSK       | 135     | 69        | DFT-SCS-30KHz     | Back          | 5mm      | Ant 1   | ECI 3       | 633334 | 3500.01     | 20.82               | 21.00               | 1.042                  | -            | -                         | 0.06             | 0.785                  | 1.048 | 0.818                  |
| 1st      | FR1 n77(78) Part 27O | 100M     | QPSK       | 135     | 69        | DFT-SCS-30KHz     | Back          | 5mm      | Ant 2   | ECI 3       | 656000 | 3840        | 13.90               | 14.50               | 1.148                  | -            | -                         | -0.08            | 0.811                  | 1     | 0.931                  |
| 2nd      | FR1 n77(78) Part 27O | 100M     | QPSK       | 135     | 69        | DFT-SCS-30KHz     | Back          | 5mm      | Ant 2   | ECI 3       | 656000 | 3840        | 13.90               | 14.50               | 1.148                  | -            | -                         | -0.08            | 0.789                  | 1.028 | 0.906                  |
| 1st      | WLAN2.4GHz           | -        | -          | -       | -         | 802.11b 1Mbps     | Left Cheek    | 0mm      | Ant 6   | Standalone  | 6      | 2437        | 18.87               | 20.00               | 1.297                  | 99.14        | 1.009                     | 0.1              | 0.905                  | 1     | 1.185                  |
| 2nd      | WLAN2.4GHz           | -        | -          | -       | -         | 802.11b 1Mbps     | Left Cheek    | 0mm      | Ant 6   | Standalone  | 6      | 2437        | 18.87               | 20.00               | 1.297                  | 99.14        | 1.009                     | 0.1              | 0.891                  | 1.016 | 1.166                  |

<10g>

| Plot No. | Band                 | BW (MHz) | Modulation | RB Size | RB offset | Mode              | Test Position | Gap (mm) | Antenna | Power State | Ch.    | Freq. (MHz) | Average Power (dBm) | Tune-Up Limit (dBm) | Tune-up Scaling Factor | Duty Cycle % | Duty Cycle Scaling Factor | Power Drift (dB) | Measured 10g SAR (W/kg) | Ratio | Reported 10g SAR (W/kg) |
|----------|----------------------|----------|------------|---------|-----------|-------------------|---------------|----------|---------|-------------|--------|-------------|---------------------|---------------------|------------------------|--------------|---------------------------|------------------|-------------------------|-------|-------------------------|
| 1st      | FR1 n26              | 20M      | QPSK       | 1       | 1         | DFT-SCS-15KHz     | Bottom Side   | 0mm      | Ant 0   | ECI 6       | 166300 | 831.5       | 22.91               | 24.00               | 1.285                  | -            | -                         | -0.08            | 2.650                   | 1     | 3.406                   |
| 2nd      | FR1 n26              | 20M      | QPSK       | 1       | 1         | DFT-SCS-15KHz     | Bottom Side   | 0mm      | Ant 0   | ECI 6       | 166300 | 831.5       | 22.91               | 24.00               | 1.285                  | -            | -                         | 0.06             | 2.620                   | 1.012 | 3.367                   |
| 1st      | WCDMA IV             | -        | -          | -       | -         | RMC 12.2Kbps      | Bottom Side   | 0mm      | Ant 0   | ECI 6       | 1513   | 1752.6      | 19.49               | 21.00               | 1.416                  | -            | -                         | -0.13            | 2.500                   | 1     | 3.539                   |
| 2nd      | WCDMA IV             | -        | -          | -       | -         | RMC 12.2Kbps      | Bottom Side   | 0mm      | Ant 0   | ECI 6       | 1513   | 1752.6      | 19.49               | 21.00               | 1.416                  | -            | -                         | -0.13            | 2.480                   | 1.008 | 3.511                   |
| 1st      | GSM1900              | -        | -          | -       | -         | GPRS (3 Tx slots) | Back          | 0mm      | Ant 0   | ECI 6       | 512    | 1850.2      | 22.85               | 23.50               | 1.161                  | -            | -                         | -0.05            | 2.760                   | 1     | 3.206                   |
| 2nd      | GSM1900              | -        | -          | -       | -         | GPRS (3 Tx slots) | Back          | 0mm      | Ant 0   | ECI 6       | 512    | 1850.2      | 22.85               | 23.50               | 1.161                  | -            | -                         | 0.08             | 2.680                   | 1.030 | 3.113                   |
| 1st      | LTE Band 30          | 10M      | QPSK       | 1       | 0         | -                 | Back          | 0mm      | Ant 1   | ECI 6       | 27710  | 2310        | 21.04               | 22.50               | 1.400                  | -            | -                         | -0.04            | 2.420                   | 1     | 3.387                   |
| 2nd      | LTE Band 30          | 10M      | QPSK       | 1       | 0         | -                 | Back          | 0mm      | Ant 1   | ECI 6       | 27710  | 2310        | 21.04               | 22.50               | 1.400                  | -            | -                         | -0.04            | 2.350                   | 1.030 | 3.289                   |
| 1st      | FR1 n41_HPUE         | 100M     | QPSK       | 135     | 69        | DFT-SCS-30KHz     | Left Side     | 0mm      | Ant 1   | ECI 2       | 509202 | 2546.01     | 25.55               | 26.50               | 1.245                  | -            | 1.000                     | -0.04            | 2.850                   | 1     | 3.547                   |
| 2nd      | FR1 n41_HPUE         | 100M     | QPSK       | 135     | 69        | DFT-SCS-30KHz     | Left Side     | 0mm      | Ant 1   | ECI 2       | 509202 | 2546.01     | 25.55               | 26.50               | 1.245                  | -            | 1.000                     | 0.01             | 2.680                   | 1.060 | 3.335                   |
| 1st      | FR1 n48              | 40M      | QPSK       | 50      | 28        | DFT-SCS-30KHz     | Back          | 0mm      | Ant 5   | ECI 6       | 641666 | 3624.99     | 18.09               | 19.00               | 1.233                  | -            | -                         | 0.02             | 2.130                   | 1     | 2.627                   |
| 2nd      | FR1 n48              | 40M      | QPSK       | 50      | 28        | DFT-SCS-30KHz     | Back          | 0mm      | Ant 5   | ECI 6       | 641666 | 3624.99     | 18.09               | 19.00               | 1.233                  | -            | -                         | 0.03             | 1.995                   | 1.068 | 2.460                   |
| 1st      | FR1 n77(78) Part 27Q | 100M     | QPSK       | 135     | 69        | DFT-SCS-30KHz     | Back          | 0mm      | Ant 8   | ECI 6       | 633334 | 3500.01     | 19.41               | 20.00               | 1.146                  | -            | -                         | -0.08            | 2.180                   | 1     | 2.497                   |
| 2nd      | FR1 n77(78) Part 27Q | 100M     | QPSK       | 135     | 69        | DFT-SCS-30KHz     | Back          | 0mm      | Ant 8   | ECI 6       | 633334 | 3500.01     | 19.41               | 20.00               | 1.146                  | -            | -                         | 0.06             | 2.110                   | 1.033 | 2.417                   |
| 1st      | FR1 n77(78) Part 27O | 100M     | QPSK       | 135     | 69        | DFT-SCS-30KHz     | Back          | 0mm      | Ant 2   | ECI 4       | 656000 | 3840        | 15.82               | 16.50               | 1.169                  | -            | -                         | -0.08            | 1.910                   | 1     | 2.234                   |
| 2nd      | FR1 n77(78) Part 27O | 100M     | QPSK       | 135     | 69        | DFT-SCS-30KHz     | Back          | 0mm      | Ant 2   | ECI 4       | 656000 | 3840        | 15.82               | 16.50               | 1.169                  | -            | -                         | -0.08            | 1.820                   | 1.050 | 2.128                   |
| 1st      | WLAN5GHz             | -        | -          | -       | -         | 802.11a 6Mbps     | Back          | 0mm      | Ant 6   | Standalone  | 116    | 5580        | 19.08               | 20.50               | 1.387                  | 96.98        | 1.031                     | -0.08            | 2.020                   | 1     | 2.888                   |
| 2nd      | WLAN5GHz             | -        | -          | -       | -         | 802.11a 6Mbps     | Back          | 0mm      | Ant 6   | Standalone  | 116    | 5580        | 19.08               | 20.50               | 1.387                  | 96.98        | 1.031                     | 0.07             | 1.989                   | 1.015 | 2.844                   |
| 1st      | WLAN5GHz             | -        | -          | -       | -         | 802.11a 6Mbps     | Back          | 0mm      | Ant 6   | Standalone  | 157    | 5785        | 19.54               | 21.00               | 1.399                  | 96.98        | 1.031                     | 0.05             | 2.010                   | 1     | 2.898                   |
| 2nd      | WLAN5GHz             | -        | -          | -       | -         | 802.11a 6Mbps     | Back          | 0mm      | Ant 6   | Standalone  | 157    | 5785        | 19.54               | 21.00               | 1.399                  | 96.98        | 1.031                     | 0.05             | 1.986                   | 1.012 | 2.864                   |

General Note:

- Per KDB 865664 D01v01r04, for each frequency band, repeated SAR measurement is required only when the measured SAR is  $\geq 0.8$ W/kg.
- Per KDB 865664 D01v01r04, if the ratio among the repeated measurement is  $\leq 1.2$  and the measured SAR  $< 1.45$ W/kg, only one repeated measurement is required.
- Per KDB 865664 D01v01r04, if the extremity repeated SAR is necessary, the same procedures should be adapted for measurements according to extremity and occupational exposure limits by applying a factor of 2.5 for extremity exposure and a factor of 5 for occupational exposure to the corresponding SAR thresholds.
- The ratio is the difference in percentage between original and repeated *measured SAR*.
- All measurement SAR result is scaled-up to account for tune-up tolerance and is compliant.

**15.6 TDD LTE Linearity Data Analysis**

**General Note:**

This device support Power Class 2 and Power Class 3 operations for LTE Band 41. The highest available duty cycle for Power Class 2 operation is 43.3% using UL-DL configuration 1. Per FCC Guidance based on the device behavior, all SAR tests were performed using Power Class 3. Power Class 2 is tested using the highest SAR test configuration in Power Class 3 for each LTE configuration and exposure condition combination, according to the highest time averaged power for all applicable uplink-downlink configurations in Power Class 2. When the reported SAR vs. output power is linearly scaled with < 10% discrepancy between power classes and all reported SAR are < 1.4 W/kg for 1g and < 3.5 W/kg for 10g, Separate SAR testing for Power Class 2 is not required.

| LTE Band 41(HPUE)Ant 1-Linearity Data for Head      |                             |                             | LTE Band 41(HPUE)Ant 4-Linearity Data for Head      |                             |                             |
|---|-----------------------------|-----------------------------|---|-----------------------------|-----------------------------|
|   | LTE Band 41 (Power Class 3) | LTE Band 41 (Power Class 2) |   | LTE Band 41 (Power Class 3) | LTE Band 41 (Power Class 2) |
| Maximum Tune up Power (dBm)                         | 24.00                       | 27.00                       | Maximum Tune up Power (dBm)                         | 16.50                       | 19.50                       |
| Reported 1g SAR (W/kg)                              | 0.445                       | 0.663                       | Reported 1g SAR (W/kg)                              | 0.784                       | 0.970                       |
| Duty Cycle  | 63.30%                      | 43.30%                      | Duty Cycle  | 63.30%                      | 43.30%                      |
| Frame Averaged (mW)                                 | 159.00                      | 217.01                      | Frame Averaged (mW)                                 | 28.28                       | 38.59                       |
| Linearity SAR (W/kg)                                | 0.607                       |                             | Linearity SAR (W/kg)                                | 1.070                       |                             |
| % deviation from expected linearity                 |                             | 9.16%                       | % deviation from expected linearity                 |                             | -9.35%                      |
| LTE Band 41(HPUE)Ant 1-Linearity Data for Hotspot   |                             |                             | LTE Band 41(HPUE)Ant 4-Linearity Data for Hotspot   |                             |                             |
|   | LTE Band 41 (Power Class 3) | LTE Band 41 (Power Class 2) |   | LTE Band 41 (Power Class 3) | LTE Band 41 (Power Class 2) |
| Maximum Tune up Power (dBm)                         | 20.00                       | 23.00                       | Maximum Tune up Power (dBm)                         | 12.00                       | 15.00                       |
| Reported 1g SAR (W/kg)                              | 1.071                       | 1.373                       | Reported 1g SAR (W/kg)                              | 0.538                       | 0.698                       |
| Duty Cycle  | 63.30%                      | 43.30%                      | Duty Cycle  | 63.30%                      | 43.30%                      |
| Frame Averaged (mW)                                 | 63.30                       | 86.39                       | Frame Averaged (mW)                                 | 10.03                       | 13.69                       |
| Linearity SAR (W/kg)                                | 1.462                       |                             | Linearity SAR (W/kg)                                | 0.734                       |                             |
| % deviation from expected linearity                 |                             | -6.07%                      | % deviation from expected linearity                 |                             | -4.94%                      |
| LTE Band 41(HPUE)Ant 1-Linearity Data for Body-worn |                             |                             | LTE Band 41(HPUE)Ant 4-Linearity Data for Body-worn |                             |                             |
|   | LTE Band 41 (Power Class 3) | LTE Band 41 (Power Class 2) |   | LTE Band 41 (Power Class 3) | LTE Band 41 (Power Class 2) |
| Maximum Tune up Power (dBm)                         | 21.00                       | 24.00                       | Maximum Tune up Power (dBm)                         | 16.00                       | 19.00                       |
| Reported 1g SAR (W/kg)                              | 1.122                       | 1.394                       | Reported 1g SAR (W/kg)                              | 0.897                       | 1.131                       |
| Duty Cycle  | 63.30%                      | 43.30%                      | Duty Cycle  | 63.30%                      | 43.30%                      |
| Frame Averaged (mW)                                 | 79.69                       | 108.76                      | Frame Averaged (mW)                                 | 25.20                       | 34.39                       |
| Linearity SAR (W/kg)                                | 1.531                       |                             | Linearity SAR (W/kg)                                | 1.224                       |                             |
| % deviation from expected linearity                 |                             | -8.97%                      | % deviation from expected linearity                 |                             | -7.62%                      |
| LTE Band 41(HPUE)Ant 1-Linearity Data for Extremity |                             |                             | LTE Band 41(HPUE)Ant 4-Linearity Data for Extremity |                             |                             |
|   | LTE Band 41 (Power Class 3) | LTE Band 41 (Power Class 2) |   | LTE Band 41 (Power Class 3) | LTE Band 41 (Power Class 2) |
| Maximum Tune up Power (dBm)                         | 22.50                       | 25.50                       | Maximum Tune up Power (dBm)                         | 20.50                       | 23.50                       |
| Reported 10g SAR (W/kg)                             | 2.815                       | 3.496                       | Reported 10g SAR (W/kg)                             | 2.159                       | 2.766                       |
| Duty Cycle  | 63.30%                      | 43.30%                      | Duty Cycle  | 63.30%                      | 43.30%                      |
| Frame Averaged (mW)                                 | 112.57                      | 153.63                      | Frame Averaged (mW)                                 | 71.02                       | 96.94                       |
| Linearity SAR (W/kg)                                | 3.842                       |                             | Linearity SAR (W/kg)                                | 2.947                       |                             |
| % deviation from expected linearity                 |                             | -9.01%                      | % deviation from expected linearity                 |                             | -6.13%                      |



| LTE Band 41(HPUE)Ant 2-Linearity Data for Head      |                             |                             | LTE Band 41(HPUE)Ant 7-Linearity Data for Head      |                             |                             |
|---|-----------------------------|-----------------------------|---|-----------------------------|-----------------------------|
|   | LTE Band 41 (Power Class 3) | LTE Band 41 (Power Class 2) |   | LTE Band 41 (Power Class 3) | LTE Band 41 (Power Class 2) |
| Maximum Tune up Power (dBm)                         | 22.50                       | 25.50                       | Maximum Tune up Power (dBm)                         | 19.00                       | 22.00                       |
| Reported 1g SAR (W/kg)                              | 0.217                       | 0.314                       | Reported 1g SAR (W/kg)                              | 0.802                       | 1.044                       |
| Duty Cycle  | 63.30%                      | 43.30%                      | Duty Cycle  | 63.30%                      | 43.30%                      |
| Frame Averaged (mW)                                 | 112.57                      | 153.63                      | Frame Averaged (mW)                                 | 50.28                       | 68.63                       |
| Linearity SAR (W/kg)                                | 0.296                       |                             | Linearity SAR (W/kg)                                | 1.095                       |                             |
| % deviation from expected linearity                 |                             | 6.02%                       | % deviation from expected linearity                 |                             | -4.62%                      |
| LTE Band 41(HPUE)Ant 2-Linearity Data for Hotspot   |                             |                             | LTE Band 41(HPUE)Ant 7-Linearity Data for Hotspot   |                             |                             |
|   | LTE Band 41 (Power Class 3) | LTE Band 41 (Power Class 2) |   | LTE Band 41 (Power Class 3) | LTE Band 41 (Power Class 2) |
| Maximum Tune up Power (dBm)                         | 15.50                       | 18.50                       | Maximum Tune up Power (dBm)                         | 16.50                       | 19.50                       |
| Reported 1g SAR (W/kg)                              | 0.525                       | 0.676                       | Reported 1g SAR (W/kg)                              | 0.529                       | 0.687                       |
| Duty Cycle  | 63.30%                      | 43.30%                      | Duty Cycle  | 63.30%                      | 43.30%                      |
| Frame Averaged (mW)                                 | 22.46                       | 30.65                       | Frame Averaged (mW)                                 | 28.28                       | 38.59                       |
| Linearity SAR (W/kg)                                | 0.717                       |                             | Linearity SAR (W/kg)                                | 0.722                       |                             |
| % deviation from expected linearity                 |                             | -5.66%                      | % deviation from expected linearity                 |                             | -4.85%                      |
| LTE Band 41(HPUE)Ant 2-Linearity Data for Body-worn |                             |                             | LTE Band 41(HPUE)Ant 7-Linearity Data for Body-worn |                             |                             |
|   | LTE Band 41 (Power Class 3) | LTE Band 41 (Power Class 2) |   | LTE Band 41 (Power Class 3) | LTE Band 41 (Power Class 2) |
| Maximum Tune up Power (dBm)                         | 17.50                       | 20.50                       | Maximum Tune up Power (dBm)                         | 18.00                       | 21.00                       |
| Reported 1g SAR (W/kg)                              | 0.762                       | 0.965                       | Reported 1g SAR (W/kg)                              | 0.783                       | 0.968                       |
| Duty Cycle  | 63.30%                      | 43.30%                      | Duty Cycle  | 63.30%                      | 43.30%                      |
| Frame Averaged (mW)                                 | 35.60                       | 48.58                       | Frame Averaged (mW)                                 | 39.94                       | 54.51                       |
| Linearity SAR (W/kg)                                | 1.040                       |                             | Linearity SAR (W/kg)                                | 1.069                       |                             |
| % deviation from expected linearity                 |                             | -7.21%                      | % deviation from expected linearity                 |                             | -9.42%                      |
| LTE Band 41(HPUE)Ant 2-Linearity Data for Extremity |                             |                             | LTE Band 41(HPUE)Ant 7-Linearity Data for Extremity |                             |                             |
|   | LTE Band 41 (Power Class 3) | LTE Band 41 (Power Class 2) |   | LTE Band 41 (Power Class 3) | LTE Band 41 (Power Class 2) |
| Maximum Tune up Power (dBm)                         | 21.50                       | 24.50                       | Maximum Tune up Power (dBm)                         | 21.50                       | 24.50                       |
| Reported 10g SAR (W/kg)                             | 1.658                       | 2.310                       | Reported 10g SAR (W/kg)                             | 2.147                       | 2.709                       |
| Duty Cycle  | 63.30%                      | 43.30%                      | Duty Cycle  | 63.30%                      | 43.30%                      |
| Frame Averaged (mW)                                 | 89.41                       | 122.04                      | Frame Averaged (mW)                                 | 89.41                       | 122.04                      |
| Linearity SAR (W/kg)                                | 2.263                       |                             | Linearity SAR (W/kg)                                | 2.930                       |                             |
| % deviation from expected linearity                 |                             | 2.08%                       | % deviation from expected linearity                 |                             | -7.55%                      |

## 16. Simultaneous Transmission Analysis

| No. | Simultaneous Transmission Configurations | Portable Handset |           |         |                          |
|-----|--|------------------|-----------|---------|--------------------------|
|     |  | Head             | Body-worn | Hotspot | Product specific 10g SAR |
| 1.  | WWAN + WLAN2.4GHz                        | Yes              | Yes       | Yes     | Yes                      |
| 2.  | WWAN + WLAN5GHz                          | Yes              | Yes       | Yes     | Yes                      |
| 3.  | WWAN + Bluetooth                         | Yes              | Yes       | Yes     | Yes                      |
| 4.  | WWAN + WLAN2.4GHz + NFC                  |                  |           |         | Yes                      |
| 5.  | WWAN + WLAN5GHz + NFC                    |                  |           |         | Yes                      |
| 6.  | WWAN + Bluetooth + NFC                   |                  |           |         | Yes                      |

**General Note:**

- This device supports VoIP in GPRS, EGPRS, WCDMA and LTE (e.g. for 3rd-party VoIP), LTE supports VoLTE operation.
- WWAN above includes 5G NR bands and EN-DC combination.
- EUT will choose each GSM, WCDMA, LTE and 5G NR according to the network signal condition; therefore, they will not operate simultaneously at any moment.
- This device 2.4GHz WLAN support hotspot operation and Bluetooth support tethering applications.
- This device 5.2GHz WLAN/5.8GHz WLAN support hotspot operation, and 5.2GHz WLAN/5.8GHz WLAN supports WLAN Direct (GC/GO), and 5.3GHz / 5.5GHz supports WLAN Direct (GC only).
- According to the EUT characteristic, WLAN 5GHz and Bluetooth can not transmit simultaneously.
- According to the EUT characteristic, WLAN 5GHz and WLAN 2.4GHz can not transmit simultaneously.
- WLAN 2.4GHz and Bluetooth share the same antenna and they cannot transmit simultaneously.
- NFC can transmit simultaneously with other Radios in extremity exposure condition.
- The worst case 5 GHz WLAN SAR for each configuration was used for SAR summation.
- For Headset SAR and non-Headset SAR always chose higher SAR to do co-located analysis.
- For 5G NR EN-DC mode, standalone SAR performed for 5G NR NSA band with the maximum power, EN-DC SAR summed EN-DC mode 5G NR standalone SAR and LTE standalone SAR, the result of EN-DC SAR is more conservatively.
- When stand-alone SAR is not required for a transmitter or antenna, its SAR is considered zero in the SAR summing process to assess Multi-band transmission SAR compliance.
- For standalone WWAN, always choose the highest SAR among all WWAN bands within the selected antenna to perform simultaneous transmission analysis with WLAN/BT. This is the worst co-located analysis and can represent each band.
- For inter-band UL CA SAR co-located with WLAN/Bluetooth, chose the worst SAR among the selected LTE bands within the selected antenna per each test position to do co-located with WLAN/Bluetooth. This is the worst co-located analysis and can represent each LTE band.
- For EN-DC SAR co-located with WLAN/Bluetooth, chose the worst SAR among the selected LTE bands within the selected antenna per each test position and also the worst SAR of the selected 5G NR Bands within the selected antenna to do co-located with WLAN/Bluetooth. This is the worst co-located analysis and can represent each LTE bands and each 5G NR band.
- For co-located SAR with WWAN, always chose higher SAR among WLAN2.4GHz, WLAN 5GHz and BT, it is the worst co-located analysis and can represent each WLAN2.4GHz, WLAN 5GHz and BT bands.
- The maximum SAR summation is calculated based on the same configuration and test position.
- Per KDB 447498 D01v06, simultaneous transmission SAR is compliant if,
  - 1g Scalar SAR summation < 1.6W/kg and 10g Scalar SAR summation < 4.0W/kg.
  - $SPLSR = (SAR1 + SAR2)^{1.5} / (\min. \text{ separation distance, mm})$ , and the peak separation distance is determined from the square root of  $[(x1-x2)^2 + (y1-y2)^2 + (z1-z2)^2]$ , where (x1, y1, z1) and (x2, y2, z2) are the coordinates of the extrapolated peak SAR locations in the zoom scan.
  - If  $SPLSR \leq 0.04$  for 1g SAR and  $SPLSR \leq 0.10$  for 10g SAR, simultaneously transmission SAR measurement is not necessary.
  - Simultaneously transmission SAR measurement, and the reported multi-band 1g SAR < 1.6W/kg and 10g SAR < 4.0W/kg.
  - The SPLSR calculated results please refer to section 16.5.

**16.1 Head Exposure Conditions**

| WWAN Band      | Exposure Position | 1             | 2                                     | 1+2           |
|----------------|-------------------|---------------|---------------------------------------|---------------|
|                |                   | WWAN          | WLAN2.4GHz/WLAN5G/BT<br>Max SAR Ant 6 | Summed        |
|                |                   | 1g SAR (W/kg) | 1g SAR (W/kg)                         | 1g SAR (W/kg) |
| All Bands Ant0 | Right Cheek       | 0.609         | 0.205                                 | 0.81          |
|                | Right Tilted      | 0.301         | 0.215                                 | 0.52          |
|                | Left Cheek        | 0.476         | 0.392                                 | 0.87          |
|                | Left Tilted       | 0.284         | 0.218                                 | 0.50          |
| All Bands Ant1 | Right Cheek       | 0.447         | 0.205                                 | 0.65          |
|                | Right Tilted      | 0.439         | 0.215                                 | 0.65          |
|                | Left Cheek        | 0.655         | 0.392                                 | 1.05          |
|                | Left Tilted       | 0.226         | 0.218                                 | 0.44          |
| All Bands Ant2 | Right Cheek       | 0.484         | 0.205                                 | 0.69          |
|                | Right Tilted      | 0.207         | 0.215                                 | 0.42          |
|                | Left Cheek        | 0.204         | 0.392                                 | 0.60          |
|                | Left Tilted       | 0.129         | 0.218                                 | 0.35          |
| All Bands Ant4 | Right Cheek       | 1.016         | 0.205                                 | 1.22          |
|                | Right Tilted      | 1.043         | 0.215                                 | 1.26          |
|                | Left Cheek        | 0.762         | 0.392                                 | 1.15          |
|                | Left Tilted       | 0.837         | 0.218                                 | 1.06          |
| All Bands Ant5 | Right Cheek       | 0.712         | 0.205                                 | 0.92          |
|                | Right Tilted      | 0.775         | 0.215                                 | 0.99          |
|                | Left Cheek        | 0.932         | 0.392                                 | 1.32          |
|                | Left Tilted       | 1.048         | 0.218                                 | 1.27          |
| All Bands Ant7 | Right Cheek       | 0.349         | 0.205                                 | 0.55          |
|                | Right Tilted      | 0.290         | 0.215                                 | 0.51          |
|                | Left Cheek        | 1.044         | 0.392                                 | 1.44          |
|                | Left Tilted       | 0.601         | 0.218                                 | 0.82          |
| All Bands Ant8 | Right Cheek       | 0.446         | 0.205                                 | 0.65          |
|                | Right Tilted      | 0.136         | 0.215                                 | 0.35          |
|                | Left Cheek        | 0.594         | 0.392                                 | 0.99          |
|                | Left Tilted       | 0.290         | 0.218                                 | 0.51          |

**<UL CA>**

| WWAN Band                           | WWAN Band                            | Exposure Position | 1             | 2             | 3                                     | 1+2+3         |
|-------------------------------------|--------------------------------------|-------------------|---------------|---------------|---------------------------------------|---------------|
|                                     |                                      |                   | WWAN          | WWAN          | WLAN2.4GHz/WLAN5G/BT<br>Max SAR Ant 6 | Summed        |
|                                     |                                      |                   | 1g SAR (W/kg) | 1g SAR (W/kg) | 1g SAR (W/kg)                         | 1g SAR (W/kg) |
| All Bands Ant0<br>(B12&13&14&2&4&5) | All Bands Ant4<br>(B66&12&13&14&4&5) | Right Cheek       | 0.515         | 1.008         | 0.205                                 | 1.73          |
|                                     |                                      | Right Tilted      | 0.301         | 0.949         | 0.215                                 | 1.47          |
|                                     |                                      | Left Cheek        | 0.468         | 0.656         | 0.392                                 | 1.52          |
|                                     |                                      | Left Tilted       | 0.284         | 0.727         | 0.218                                 | 1.23          |
| Ant0 B2                             | Ant5 B48                             | Right Cheek       | 0.123         | 0.551         | 0.205                                 | 0.88          |
|                                     |                                      | Right Tilted      | 0.079         | 0.592         | 0.215                                 | 0.89          |
|                                     |                                      | Left Cheek        | 0.210         | 0.932         | 0.392                                 | 1.53          |
|                                     |                                      | Left Tilted       | 0.079         | 1.048         | 0.218                                 | 1.35          |
| Ant5 B48                            | Ant0 B66                             | Right Cheek       | 0.551         | 0.198         | 0.205                                 | 0.95          |
|                                     |                                      | Right Tilted      | 0.592         | 0.112         | 0.215                                 | 0.92          |
|                                     |                                      | Left Cheek        | 0.932         | 0.164         | 0.392                                 | 1.49          |
|                                     |                                      | Left Tilted       | 1.048         | 0.129         | 0.218                                 | 1.40          |

Note: The results marked yellow is greater than 1.6 W/kg in above table, there are needed further analysis required for compliance demonstration of the simultaneous combinations. Please refer to the detailed analysis corresponding to each position in section 16.6.



**<EN-DC>**

| WWAN Band                             | WWAN Band                  | Exposure Position | 1             | 2             | 3                                     | 1+2+3         |
|---------------------------------------|----------------------------|-------------------|---------------|---------------|---------------------------------------|---------------|
|                                       |                            |                   | WWAN          | FR1           | WLAN2.4GHz/WLAN5G/BT<br>Max SAR Ant 6 | Summed        |
|                                       |                            |                   | 1g SAR (W/kg) | 1g SAR (W/kg) | 1g SAR (W/kg)                         | 1g SAR (W/kg) |
| Ant4<br>(B12&13&14&26&2&5&66&71)      | Ant0<br>(N25&2&66&5&71)    | Right Cheek       | 1.008         | 0.299         | 0.205                                 | 1.51          |
|                                       |                            | Right Tilted      | 1.043         | 0.168         | 0.215                                 | 1.43          |
|                                       |                            | Left Cheek        | 0.656         | 0.255         | 0.392                                 | 1.30          |
|                                       |                            | Left Tilted       | 0.727         | 0.149         | 0.218                                 | 1.09          |
| Ant4<br>(B12&14&25&26&2&4&5&66&71)    | Ant1<br>(N30&41&7)         | Right Cheek       | 1.008         | 0.447         | 0.205                                 | <b>1.66</b>   |
|                                       |                            | Right Tilted      | 1.043         | 0.439         | 0.215                                 | <b>1.70</b>   |
|                                       |                            | Left Cheek        | 0.627         | 0.655         | 0.392                                 | <b>1.67</b>   |
|                                       |                            | Left Tilted       | 0.727         | 0.226         | 0.218                                 | 1.17          |
| Ant0<br>(B12&13&14&25&26&2&4&5&66&71) | Ant5<br>(N77&78&48)        | Right Cheek       | 0.515         | 0.712         | 0.205                                 | 1.43          |
|                                       |                            | Right Tilted      | 0.301         | 0.775         | 0.215                                 | 1.29          |
|                                       |                            | Left Cheek        | 0.468         | 0.930         | 0.392                                 | <b>1.79</b>   |
|                                       |                            | Left Tilted       | 0.284         | 1.018         | 0.218                                 | 1.52          |
| Ant1(B30&7)                           | Ant4(N2&5&66&25)           | Right Cheek       | 0.229         | 0.985         | 0.205                                 | 1.42          |
|                                       |                            | Right Tilted      | 0.205         | 1.041         | 0.215                                 | 1.46          |
|                                       |                            | Left Cheek        | 0.366         | 0.753         | 0.392                                 | 1.51          |
|                                       |                            | Left Tilted       | 0.117         | 0.795         | 0.218                                 | 1.13          |
| Ant0<br>(B2&4&66&12&13&14&26&5&71)    | Ant4<br>(N12&5&66&25&2&71) | Right Cheek       | 0.515         | 0.985         | 0.205                                 | <b>1.71</b>   |
|                                       |                            | Right Tilted      | 0.301         | 1.041         | 0.215                                 | 1.56          |
|                                       |                            | Left Cheek        | 0.468         | 0.753         | 0.392                                 | <b>1.61</b>   |
|                                       |                            | Left Tilted       | 0.284         | 0.795         | 0.218                                 | 1.30          |
| Ant4(B30&7)                           | Ant5(N77&78)               | Right Cheek       | 0.342         | 0.712         | 0.205                                 | 1.26          |
|                                       |                            | Right Tilted      | 0.410         | 0.775         | 0.215                                 | 1.40          |
|                                       |                            | Left Cheek        | 0.198         | 0.930         | 0.392                                 | 1.52          |
|                                       |                            | Left Tilted       | 0.231         | 1.018         | 0.218                                 | 1.47          |
| Ant5 B48                              | Ant0 (N2&66&71&5)          | Right Cheek       | 0.551         | 0.299         | 0.205                                 | 1.06          |
|                                       |                            | Right Tilted      | 0.592         | 0.168         | 0.215                                 | 0.98          |
|                                       |                            | Left Cheek        | 0.932         | 0.255         | 0.392                                 | 1.58          |
|                                       |                            | Left Tilted       | 1.048         | 0.149         | 0.218                                 | 1.42          |

Note: The results marked yellow is greater than 1.6 W/kg in above table, there are needed further analysis required for compliance demonstration of the simultaneous combinations. Please refer to the detailed analysis corresponding to each position in section 16.5.



16.2 Hotspot Exposure Conditions

| WWAN Band      | Exposure Position | 1             | 2                                  | 1+2           |
|----------------|-------------------|---------------|------------------------------------|---------------|
|                |                   | WWAN          | WLAN2.4GHz/WLAN5G/BT Max SAR Ant 6 | Summed        |
|                |                   | 1g SAR (W/kg) | 1g SAR (W/kg)                      | 1g SAR (W/kg) |
| All Bands Ant0 | Front             | 0.887         | 0.282                              | 1.17          |
|                | Back              | 1.334         | 0.693                              | 2.03          |
|                | Left side         |               | 0.044                              | 0.04          |
|                | Right side        | 1.020         | 0.251                              | 1.27          |
|                | Top side          |               | 0.401                              | 0.40          |
|                | Bottom side       | 1.442         | 0.029                              | 1.47          |
| All Bands Ant1 | Front             | 0.879         | 0.282                              | 1.16          |
|                | Back              | 1.373         | 0.693                              | 2.07          |
|                | Left side         | 0.806         | 0.044                              | 0.85          |
|                | Right side        |               | 0.251                              | 0.25          |
|                | Top side          |               | 0.401                              | 0.40          |
|                | Bottom side       | 0.999         | 0.029                              | 1.03          |
| All Bands Ant2 | Front             | 0.055         | 0.282                              | 0.34          |
|                | Back              | 0.676         | 0.693                              | 1.37          |
|                | Left side         | 0.165         | 0.044                              | 0.21          |
|                | Right side        |               | 0.251                              | 0.25          |
|                | Top side          | 0.036         | 0.401                              | 0.44          |
|                | Bottom side       |               | 0.029                              | 0.03          |
| All Bands Ant4 | Front             | 0.425         | 0.282                              | 0.71          |
|                | Back              | 0.699         | 0.693                              | 1.39          |
|                | Left side         | 0.218         | 0.044                              | 0.26          |
|                | Right side        |               | 0.251                              | 0.25          |
|                | Top side          | 0.698         | 0.401                              | 1.10          |
|                | Bottom side       |               | 0.029                              | 0.03          |
| All Bands Ant5 | Front             | 0.286         | 0.282                              | 0.57          |
|                | Back              | 0.709         | 0.693                              | 1.40          |
|                | Left side         | 0.040         | 0.044                              | 0.08          |
|                | Right side        | 0.229         | 0.251                              | 0.48          |
|                | Top side          | 0.435         | 0.401                              | 0.84          |
|                | Bottom side       |               | 0.029                              | 0.03          |
| All Bands Ant7 | Front             | 0.225         | 0.282                              | 0.51          |
|                | Back              | 0.687         | 0.693                              | 1.38          |
|                | Left side         |               | 0.044                              | 0.04          |
|                | Right side        | 0.454         | 0.251                              | 0.71          |
|                | Top side          | 0.098         | 0.401                              | 0.50          |
|                | Bottom side       |               | 0.029                              | 0.03          |
| All Bands Ant8 | Front             | 0.061         | 0.282                              | 0.34          |
|                | Back              | 0.585         | 0.693                              | 1.28          |
|                | Left side         |               | 0.044                              | 0.04          |
|                | Right side        | 0.230         | 0.251                              | 0.48          |
|                | Top side          | 0.070         | 0.401                              | 0.47          |
|                | Bottom side       |               | 0.029                              | 0.03          |

Note: The results marked yellow is greater than 1.6 W/kg in above table, there are needed further analysis required for compliance demonstration of the simultaneous combinations. Please refer to the detailed analysis corresponding to each position in section 16.5.



<UL CA>

| WWAN Band                          | WWAN Band                           | Exposure Position | 1             | 2             | 3                                     | 1+2+3         |
|------------------------------------|-------------------------------------|-------------------|---------------|---------------|---------------------------------------|---------------|
|                                    |                                     |                   | WWAN          | WWAN          | WLAN2.4GHz/WLAN5G/BT<br>Max SAR Ant 6 | Summed        |
|                                    |                                     |                   | 1g SAR (W/kg) | 1g SAR (W/kg) | 1g SAR (W/kg)                         | 1g SAR (W/kg) |
| All Bands<br>Ant0(B12&13&14&2&4&5) | All Bands<br>Ant4(B66&12&13&14&4&5) | Front             | 0.887         | 0.425         | 0.282                                 | 1.59          |
|                                    |                                     | Back              | 1.334         | 0.619         | 0.693                                 | 2.65          |
|                                    |                                     | Left side         |               | 0.218         | 0.044                                 | 0.26          |
|                                    |                                     | Right side        | 1.020         |               | 0.251                                 | 1.27          |
|                                    |                                     | Top side          |               | 0.630         | 0.401                                 | 1.03          |
|                                    |                                     | Bottom side       | 1.400         |               | 0.029                                 | 1.43          |
| Ant0 B2                            | Ant5 B48                            | Front             | 0.665         | 0.239         | 0.282                                 | 1.19          |
|                                    |                                     | Back              | 0.992         | 0.690         | 0.693                                 | 2.38          |
|                                    |                                     | Left side         |               | 0.031         | 0.044                                 | 0.08          |
|                                    |                                     | Right side        | 0.069         | 0.146         | 0.251                                 | 0.47          |
|                                    |                                     | Top side          |               | 0.327         | 0.401                                 | 0.73          |
|                                    |                                     | Bottom side       | 1.316         |               | 0.029                                 | 1.35          |
| Ant5 B48                           | Ant0 B66                            | Front             | 0.239         | 0.778         | 0.282                                 | 1.30          |
|                                    |                                     | Back              | 0.690         | 0.994         | 0.693                                 | 2.38          |
|                                    |                                     | Left side         | 0.031         |               | 0.044                                 | 0.08          |
|                                    |                                     | Right side        | 0.146         | 0.079         | 0.251                                 | 0.48          |
|                                    |                                     | Top side          | 0.327         |               | 0.401                                 | 0.73          |
|                                    |                                     | Bottom side       |               | 1.442         | 0.029                                 | 1.47          |

Note: The results marked yellow is greater than 1.6 W/kg in above table, there are needed further analysis required for compliance demonstration of the simultaneous combinations. Please refer to the detailed analysis corresponding to each position in section 16.5.

<EN-DC>

| WWAN Band                         | WWAN Band                 | Exposure Position | 1             | 2             | 3                                     | 1+2+3         |
|-----------------------------------|---------------------------|-------------------|---------------|---------------|---------------------------------------|---------------|
|                                   |                           |                   | LTE           | FR1           | WLAN2.4GHz/WLAN5G/BT<br>Max SAR Ant 6 | Summed        |
|                                   |                           |                   | 1g SAR (W/kg) | 1g SAR (W/kg) | 1g SAR (W/kg)                         | 1g SAR (W/kg) |
| Ant4(B12&13&14&26&2&5&66&71)      | Ant0(N25&2&66&5&71)       | Front             | 0.425         | 0.617         | 0.282                                 | 1.32          |
|                                   |                           | Back              | 0.648         | 0.929         | 0.693                                 | 2.27          |
|                                   |                           | Left side         | 0.218         |               | 0.044                                 | 0.26          |
|                                   |                           | Right side        |               | 0.362         | 0.251                                 | 0.61          |
|                                   |                           | Top side          | 0.658         |               | 0.401                                 | 1.06          |
|                                   |                           | Bottom side       |               | 1.208         | 0.029                                 | 1.24          |
| Ant4(B12&14&25&26&2&4&5&66&71)    | Ant1(N30&41&7)            | Front             | 0.425         | 0.879         | 0.282                                 | 1.59          |
|                                   |                           | Back              | 0.648         | 1.344         | 0.693                                 | 2.69          |
|                                   |                           | Left side         | 0.218         | 0.673         | 0.044                                 | 0.94          |
|                                   |                           | Right side        |               |               | 0.251                                 | 0.25          |
|                                   |                           | Top side          | 0.658         |               | 0.401                                 | 1.06          |
|                                   |                           | Bottom side       |               | 0.874         | 0.029                                 | 0.90          |
| Ant0(B12&13&14&25&26&2&4&5&66&71) | Ant5(N77&78&48)           | Front             | 0.887         | 0.286         | 0.282                                 | 1.46          |
|                                   |                           | Back              | 1.334         | 0.709         | 0.693                                 | 2.74          |
|                                   |                           | Left side         |               | 0.040         | 0.044                                 | 0.08          |
|                                   |                           | Right side        | 1.020         | 0.229         | 0.251                                 | 1.50          |
|                                   |                           | Top side          |               | 0.435         | 0.401                                 | 0.84          |
|                                   |                           | Bottom side       | 1.442         |               | 0.029                                 | 1.47          |
| Ant1(B30&7)                       | Ant4(N2&5&66&25&71)       | Front             | 0.876         | 0.399         | 0.282                                 | 1.56          |
|                                   |                           | Back              | 1.340         | 0.699         | 0.693                                 | 2.73          |
|                                   |                           | Left side         | 0.806         | 0.143         | 0.044                                 | 0.99          |
|                                   |                           | Right side        |               |               | 0.251                                 | 0.25          |
|                                   |                           | Top side          |               | 0.679         | 0.401                                 | 1.08          |
|                                   |                           | Bottom side       | 0.999         |               | 0.029                                 | 1.03          |
| Ant0(B2&4&66&12&13&14&26&5&71)    | Ant4(N12&5&66&25&2&41&71) | Front             | 0.887         | 0.399         | 0.282                                 | 1.57          |
|                                   |                           | Back              | 1.334         | 0.669         | 0.693                                 | 2.70          |
|                                   |                           | Left side         |               | 0.165         | 0.044                                 | 0.21          |
|                                   |                           | Right side        | 1.020         |               | 0.251                                 | 1.27          |
|                                   |                           | Top side          |               | 0.679         | 0.401                                 | 1.08          |
|                                   |                           | Bottom side       | 1.442         |               | 0.029                                 | 1.47          |
| Ant4(B30&7)                       | Ant5(N77&78)              | Front             | 0.132         | 0.315         | 0.282                                 | 0.73          |
|                                   |                           | Back              | 0.189         | 0.315         | 0.693                                 | 1.20          |
|                                   |                           | Left side         | 0.032         | 0.315         | 0.044                                 | 0.39          |
|                                   |                           | Right side        |               | 0.315         | 0.251                                 | 0.57          |
|                                   |                           | Top side          | 0.323         | 0.315         | 0.401                                 | 1.04          |
|                                   |                           | Bottom side       |               | 0.315         | 0.029                                 | 0.34          |
| Ant5 B48                          | Ant0 (N2&66&71&5)         | Front             | 0.239         | 0.617         | 0.282                                 | 1.14          |
|                                   |                           | Back              | 0.690         | 0.939         | 0.693                                 | 2.32          |
|                                   |                           | Left side         | 0.031         |               | 0.044                                 | 0.08          |
|                                   |                           | Right side        | 0.146         | 0.362         | 0.251                                 | 0.76          |
|                                   |                           | Top side          | 0.327         |               | 0.401                                 | 0.73          |
|                                   |                           | Bottom side       |               | 1.208         | 0.029                                 | 1.24          |

Note: The results marked yellow is greater than 1.6 W/kg in above table, there are needed further analysis required for compliance demonstration of the simultaneous combinations. Please refer to the detailed analysis corresponding to each position in section 16.5.

**16.3 Body-Worn Accessory Exposure Conditions**

| WWAN Band      | Exposure Position | 1             | 2                                     | 1+2           |
|----------------|-------------------|---------------|---------------------------------------|---------------|
|                |                   | WWAN          | WLAN2.4GHz/WLAN5G/BT<br>Max SAR Ant 6 | Summed        |
|                |                   | 1g SAR (W/kg) | 1g SAR (W/kg)                         | 1g SAR (W/kg) |
| All Bands Ant0 | Front             | 1.272         | 0.163                                 | 1.44          |
|                | Back              | 1.433         | 0.394                                 | <b>1.83</b>   |
| All Bands Ant1 | Front             | 0.879         | 0.163                                 | 1.04          |
|                | Back              | 1.423         | 0.394                                 | <b>1.82</b>   |
| All Bands Ant2 | Front             | 0.133         | 0.163                                 | 0.30          |
|                | Back              | 0.965         | 0.394                                 | 1.36          |
| All Bands Ant4 | Front             | 0.628         | 0.163                                 | 0.79          |
|                | Back              | 1.127         | 0.394                                 | 1.52          |
| All Bands Ant5 | Front             | 0.465         | 0.163                                 | 0.63          |
|                | Back              | 1.033         | 0.394                                 | 1.43          |
| All Bands Ant7 | Front             | 0.308         | 0.163                                 | 0.47          |
|                | Back              | 0.968         | 0.394                                 | 1.36          |
| All Bands Ant8 | Front             | 0.089         | 0.163                                 | 0.25          |
|                | Back              | 0.971         | 0.394                                 | 1.37          |

Note: The results marked yellow is greater than 1.6 W/kg in above table, there are needed further analysis required for compliance demonstration of the simultaneous combinations. Please refer to the detailed analysis corresponding to each position in section 16.5.

**<UL CA>**

| WWAN Band                           | WWAN Band                            | Exposure Position | 1             | 2             | 3                                     | 1+2+3         |
|-------------------------------------|--------------------------------------|-------------------|---------------|---------------|---------------------------------------|---------------|
|                                     |                                      |                   | WWAN          | WWAN          | WLAN2.4GHz/WLAN5G/BT<br>Max SAR Ant 6 | Summed        |
|                                     |                                      |                   | 1g SAR (W/kg) | 1g SAR (W/kg) | 1g SAR (W/kg)                         | 1g SAR (W/kg) |
| All Bands Ant0<br>(B12&13&14&2&4&5) | All Bands Ant4<br>(B66&12&13&14&4&5) | Front             | 1.079         | 0.621         | 0.163                                 | <b>1.86</b>   |
|                                     |                                      | Back              | 1.433         | 1.007         | 0.394                                 | <b>2.83</b>   |
| Ant0 B2                             | Ant5 B48                             | Front             | 0.970         | 0.289         | 0.163                                 | 1.42          |
|                                     |                                      | Back              | 1.433         | 1.018         | 0.394                                 | <b>2.85</b>   |
| Ant5 B48                            | Ant0 B66                             | Front             | 0.289         | 1.079         | 0.163                                 | 1.53          |
|                                     |                                      | Back              | 1.018         | 1.392         | 0.394                                 | <b>2.80</b>   |

Note: The results marked yellow is greater than 1.6 W/kg in above table, there are needed further analysis required for compliance demonstration of the simultaneous combinations. Please refer to the detailed analysis corresponding to each position in section 16.5.

**<EN-DC>**

| LTEBand                            | FR1 Band               | Exposure Position | 1             | 2             | 3                                     | 1+2+3         |
|------------------------------------|------------------------|-------------------|---------------|---------------|---------------------------------------|---------------|
|                                    |                        |                   | LTE           | FR1           | WLAN2.4GHz/WLAN5G/BT<br>Max SAR Ant 6 | Summed        |
|                                    |                        |                   | 1g SAR (W/kg) | 1g SAR (W/kg) | 1g SAR (W/kg)                         | 1g SAR (W/kg) |
| Ant4 (B12&13&14&26&2&5&66&71)      | Ant0(N25&2&66&5&71)    | Front             | 0.621         | 1.053         | 0.163                                 | <b>1.84</b>   |
|                                    |                        | Back              | 1.017         | 1.404         | 0.394                                 | <b>2.82</b>   |
| Ant4(B12&14&25&26&2&4&5&66&71)     | Ant1(N30&41&7)         | Front             | 0.621         | 0.879         | 0.163                                 | <b>1.66</b>   |
|                                    |                        | Back              | 1.017         | 1.344         | 0.394                                 | <b>2.76</b>   |
| Ant0 (B12&13&14&25&26&2&4&5&66&71) | Ant5 (N77&78&48)       | Front             | 1.079         | 0.465         | 0.163                                 | <b>1.71</b>   |
|                                    |                        | Back              | 1.433         | 1.033         | 0.394                                 | <b>2.86</b>   |
| Ant1(B30&7)                        | Ant4(N2&5&66&25)       | Front             | 0.876         | 0.628         | 0.163                                 | <b>1.67</b>   |
|                                    |                        | Back              | 1.423         | 1.015         | 0.394                                 | <b>2.83</b>   |
| Ant0(B2&4&66&12&13&14&26&5&71)     | Ant4(N12&5&66&25&2&71) | Front             | 1.079         | 0.628         | 0.163                                 | <b>1.87</b>   |
|                                    |                        | Back              | 1.433         | 1.015         | 0.394                                 | <b>2.84</b>   |
| Ant4(B30&7)                        | Ant5(N77&78)           | Front             | 0.373         | 0.515         | 0.163                                 | 1.05          |
|                                    |                        | Back              | 0.515         | 0.515         | 0.394                                 | 1.42          |
| Ant5 B48                           | Ant0 (N2&66&71&5)      | Front             | 0.289         | 1.053         | 0.163                                 | 1.51          |
|                                    |                        | Back              | 1.018         | 1.404         | 0.394                                 | <b>2.82</b>   |

Note: The results marked yellow is greater than 1.6 W/kg in above table, there are needed further analysis required for compliance demonstration of the simultaneous combinations. Please refer to the detailed analysis corresponding to each position in section 16.5.



**Sensor-Off**

| WWAN Band      | Exposure Position | 1             | 2                                     | 1+2           |
|----------------|-------------------|---------------|---------------------------------------|---------------|
|                |                   | WWAN          | WLAN2.4GHz/WLAN5G/BT<br>Max SAR Ant 6 | Summed        |
|                |                   | 1g SAR (W/kg) | 1g SAR (W/kg)                         | 1g SAR (W/kg) |
| All Bands Ant0 | Front 12mm        | 1.337         | 0.443                                 | <b>1.78</b>   |
|                | Back 22mm         | 1.398         | 0.667                                 | <b>2.07</b>   |
| All Bands Ant1 | Front 12mm        | 0.643         | 0.443                                 | 1.09          |
|                | Back 22mm         | 0.360         | 0.667                                 | 1.03          |
| All Bands Ant2 | Front 12mm        | 0.129         | 0.443                                 | 0.57          |
|                | Back 22mm         | 0.253         | 0.667                                 | 0.92          |
| All Bands Ant4 | Front 12mm        | 0.447         | 0.443                                 | 0.89          |
|                | Back 22mm         | 0.501         | 0.667                                 | 1.17          |
| All Bands Ant5 | Front 12mm        | 0.749         | 0.443                                 | 1.19          |
|                | Back 22mm         | 0.383         | 0.667                                 | 1.05          |
| All Bands Ant7 | Front 12mm        | 0.310         | 0.443                                 | 0.75          |
|                | Back 22mm         | 0.199         | 0.667                                 | 0.87          |
| All Bands Ant8 | Front 12mm        | 0.207         | 0.443                                 | 0.65          |
|                | Back 22mm         | 0.368         | 0.667                                 | 1.04          |

Note: The results marked yellow is greater than 1.6 W/kg in above table, there are needed further analysis required for compliance demonstration of the simultaneous combinations. Please refer to the detailed analysis corresponding to each position in section 16.5.

**<UL CA>**

| WWAN Band                       | WWAN Band                        | Exposure Position | 1             | 2             | 3                                     | 1+2+3         |
|---------------------------------|----------------------------------|-------------------|---------------|---------------|---------------------------------------|---------------|
|                                 |                                  |                   | WWAN          | WWAN          | WLAN2.4GHz/WLAN5G/BT<br>Max SAR Ant 6 | Summed        |
|                                 |                                  |                   | 1g SAR (W/kg) | 1g SAR (W/kg) | 1g SAR (W/kg)                         | 1g SAR (W/kg) |
| All Bands Ant0(B12&13&14&2&4&5) | All Bands Ant4(B66&12&13&14&4&5) | Front 12mm        | 1.114         | 0.338         | 0.443                                 | <b>1.90</b>   |
|                                 |                                  | Back 22mm         | 0.729         | 0.234         | 0.667                                 | <b>1.63</b>   |
| Ant0 B2                         | Ant5 B48                         | Front 12mm        | 1.114         | 0.189         | 0.443                                 | <b>1.75</b>   |
|                                 |                                  | Back 22mm         | 0.729         | 0.163         | 0.667                                 | 1.56          |
| Ant5 B48                        | Ant0 B66                         | Front 12mm        | 0.189         | 0.652         | 0.443                                 | 1.28          |
|                                 |                                  | Back 22mm         | 0.163         | 0.275         | 0.667                                 | 1.11          |

Note: The results marked yellow is greater than 1.6 W/kg in above table, there are needed further analysis required for compliance demonstration of the simultaneous combinations. Please refer to the detailed analysis corresponding to each position in section 16.5.

**<EN-DC>**

| LTEBand                              | FR1 Band               | Exposure Position | 1             | 2             | 3                                     | 1+2+3         |
|--------------------------------------|------------------------|-------------------|---------------|---------------|---------------------------------------|---------------|
|                                      |                        |                   | LTE           | FR1           | WLAN2.4GHz/WLAN5G/BT<br>Max SAR Ant 6 | Summed        |
|                                      |                        |                   | 1g SAR (W/kg) | 1g SAR (W/kg) | 1g SAR (W/kg)                         | 1g SAR (W/kg) |
| Ant4 ( B12&13&14&26&2&5&66&71 )      | Ant0(N25&2&66&5&71)    | Front 12mm        | 0.338         | 0.814         | 0.443                                 | <b>1.60</b>   |
|                                      |                        | Back 22mm         | 0.234         | 0.498         | 0.667                                 | 1.40          |
| Ant4(B12&14&25&26&2&4&5&66&71)       | Ant1(N30&41&7)         | Front 12mm        | 0.338         | 0.643         | 0.443                                 | 1.42          |
|                                      |                        | Back 22mm         | 0.234         | 0.360         | 0.667                                 | 1.26          |
| Ant0 ( B12&13&14&25&26&2&4&5&66&71 ) | Ant5 ( N77&78&48)      | Front 12mm        | 1.114         | 0.749         | 0.443                                 | <b>2.31</b>   |
|                                      |                        | Back 22mm         | 0.729         | 0.383         | 0.667                                 | <b>1.78</b>   |
| Ant1(B30&7)                          | Ant4(N2&5&66&25)       | Front 12mm        | 0.438         | 0.353         | 0.443                                 | 1.23          |
|                                      |                        | Back 22mm         | 0.241         | 0.185         | 0.667                                 | 1.09          |
| Ant0(B2&4&66&12&13&14&26&5&71)       | Ant4(N12&5&66&25&2&71) | Front 12mm        | 1.114         | 0.353         | 0.443                                 | <b>1.91</b>   |
|                                      |                        | Back 22mm         | 0.729         | 0.185         | 0.667                                 | 1.58          |
| Ant4(B30&7)                          | Ant5(N77&78)           | Front 12mm        | 0.398         | 0.749         | 0.443                                 | 1.59          |
|                                      |                        | Back 22mm         | 0.501         | 0.383         | 0.667                                 | 1.55          |
| Ant5 B48                             | Ant0 (N2&66&71&5)      | Front 12mm        | 0.189         | 0.814         | 0.443                                 | 1.45          |
|                                      |                        | Back 22mm         | 0.163         | 0.498         | 0.667                                 | 1.33          |

Note: The results marked yellow is greater than 1.6 W/kg in above table, there are needed further analysis required for compliance demonstration of the simultaneous combinations. Please refer to the detailed analysis corresponding to each position in section 16.5.

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

**Remark:**

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

| WWAN Band      | Exposure Position | 1              | 2                                  | 3              | 1+2+3          |
|----------------|-------------------|----------------|------------------------------------|----------------|----------------|
|                |                   | WWAN           | WLAN2.4GHz/WLAN5G/BT Max SAR Ant 6 | NFC            | Summed         |
|                |                   | 10g SAR (W/kg) | 10g SAR (W/kg)                     | 10g SAR (W/kg) | 10g SAR (W/kg) |
| All Bands Ant0 | Front             | 2.870          | 0.502                              | 0.006          | 3.38           |
|                | Back              | 3.206          | 0.987                              | 0.025          | <b>4.22</b>    |
|                | Left side         |                | 0.987                              | 0.004          | 0.99           |
|                | Right side        |                | 0.987                              | 0.005          | 0.99           |
|                | Top side          |                | 0.987                              | 0.001          | 0.99           |
|                | Bottom side       | 3.592          | 0.096                              | 0.001          | 3.69           |
| All Bands Ant1 | Front             | 3.071          | 0.502                              | 0.006          | 3.58           |
|                | Back              | 3.496          | 0.987                              | 0.025          | <b>4.51</b>    |
|                | Left side         | 2.911          | 0.987                              | 0.004          | 3.90           |
|                | Right side        |                | 0.987                              | 0.005          | 0.99           |
|                | Top side          |                | 0.987                              | 0.001          | 0.99           |
|                | Bottom side       | 2.971          | 0.096                              | 0.001          | 3.07           |
| All Bands Ant2 | Front             |                | 0.502                              | 0.006          | 0.51           |
|                | Back              | 2.234          | 0.987                              | 0.025          | 3.25           |
|                | Left side         | 0.933          | 0.987                              | 0.004          | 1.92           |
|                | Right side        |                | 0.987                              | 0.005          | 0.99           |
|                | Top side          |                | 0.987                              | 0.001          | 0.99           |
|                | Bottom side       |                | 0.096                              | 0.001          | 0.10           |
| All Bands Ant4 | Front             | 1.644          | 0.502                              | 0.006          | 2.15           |
|                | Back              | 2.766          | 0.987                              | 0.025          | 3.78           |
|                | Left side         |                | 0.987                              | 0.004          | 0.99           |
|                | Right side        |                | 0.987                              | 0.005          | 0.99           |
|                | Top side          | 2.788          | 0.987                              | 0.001          | 3.78           |
|                | Bottom side       |                | 0.096                              | 0.001          | 0.10           |
| All Bands Ant5 | Front             | 1.531          | 0.502                              | 0.006          | 2.04           |
|                | Back              | 2.773          | 0.987                              | 0.025          | 3.79           |
|                | Left side         |                | 0.987                              | 0.004          | 0.99           |
|                | Right side        | 2.100          | 0.987                              | 0.005          | 3.09           |
|                | Top side          | 1.415          | 0.987                              | 0.001          | 2.40           |
|                | Bottom side       |                | 0.096                              | 0.001          | 0.10           |
| All Bands Ant7 | Front             | 1.394          | 0.502                              | 0.006          | 1.90           |
|                | Back              | 2.735          | 0.987                              | 0.025          | 3.75           |
|                | Left side         |                | 0.987                              | 0.004          | 0.99           |
|                | Right side        | 1.901          | 0.987                              | 0.005          | 2.89           |
|                | Top side          |                | 0.987                              | 0.001          | 0.99           |
|                | Bottom side       |                | 0.096                              | 0.001          | 0.10           |
| All Bands Ant8 | Front             |                | 0.502                              | 0.006          | 0.51           |
|                | Back              | 2.497          | 0.987                              | 0.025          | 3.51           |
|                | Left side         |                | 0.987                              | 0.004          | 0.99           |
|                | Right side        | 0.857          | 0.987                              | 0.005          | 1.85           |
|                | Top side          |                | 0.987                              | 0.001          | 0.99           |
|                | Bottom side       |                | 0.096                              | 0.001          | 0.10           |

Note: The results marked yellow is greater than 4.0 W/kg in above table, there are needed further analysis required for compliance demonstration of the simultaneous combinations. Please refer to the detailed analysis corresponding to each position in section 16.5.



<UL CA>

| WWAN Band                          | WWAN Band                           | Exposure Position | 1              | 2              | 3                                     | 4              | 1+2+3          |
|------------------------------------|-------------------------------------|-------------------|----------------|----------------|---------------------------------------|----------------|----------------|
|                                    |                                     |                   | WWAN           | WWAN           | WLAN2.4GHz/WLAN5G/BT<br>Max SAR Ant 6 | NFC            | Summed         |
|                                    |                                     |                   | 10g SAR (W/kg) | 10g SAR (W/kg) | 10g SAR (W/kg)                        | 10g SAR (W/kg) | 10g SAR (W/kg) |
| All Bands<br>Ant0(B12&13&14&2&4&5) | All Bands<br>Ant4(B66&12&13&14&4&5) | Front             | 2.509          | 1.340          | 0.502                                 | 0.006          | 4.36           |
|                                    |                                     | Back              | 2.100          | 1.767          | 0.987                                 | 0.025          | 4.88           |
|                                    |                                     | Left side         |                |                | 0.987                                 | 0.004          | 0.99           |
|                                    |                                     | Right side        |                |                | 0.987                                 | 0.005          | 0.99           |
|                                    |                                     | Top side          |                | 2.514          | 0.987                                 | 0.001          | 3.50           |
|                                    |                                     | Bottom side       | 3.490          |                | 0.096                                 | 0.001          | 3.59           |
| Ant0 B2                            | Ant5 B48                            | Front             | 2.509          | 1.531          | 0.502                                 | 0.006          | 4.55           |
|                                    |                                     | Back              | 1.781          | 2.773          | 0.987                                 | 0.025          | 5.57           |
|                                    |                                     | Left side         |                |                | 0.987                                 | 0.004          | 0.99           |
|                                    |                                     | Right side        |                | 0.815          | 0.987                                 | 0.005          | 1.81           |
|                                    |                                     | Top side          |                | 1.399          | 0.987                                 | 0.001          | 2.39           |
|                                    |                                     | Bottom side       | 3.490          |                | 0.096                                 | 0.001          | 3.59           |
| Ant5 B48                           | Ant0 B66                            | Front             | 1.531          | 2.371          | 0.502                                 | 0.006          | 4.41           |
|                                    |                                     | Back              | 2.773          | 2.100          | 0.987                                 | 0.025          | 5.89           |
|                                    |                                     | Left side         |                |                | 0.987                                 | 0.004          | 0.99           |
|                                    |                                     | Right side        | 0.815          |                | 0.987                                 | 0.005          | 1.81           |
|                                    |                                     | Top side          | 1.399          |                | 0.987                                 | 0.001          | 2.39           |
|                                    |                                     | Bottom side       |                | 3.467          | 0.096                                 | 0.001          | 3.56           |

Note: The results marked yellow is greater than 4.0 W/kg in above table, there are needed further analysis required for compliance demonstration of the simultaneous combinations. Please refer to the detailed analysis corresponding to each position in section 16.5.



<EN-DC>

| WWAN Band                             | WWAN Band                     | Exposure Position | 1              | 2              | 3                                     | 4              | 1+2+3          |
|---------------------------------------|-------------------------------|-------------------|----------------|----------------|---------------------------------------|----------------|----------------|
|                                       |                               |                   | LTE            | FR1            | WLAN2.4GHz/WLAN5G/BT<br>Max SAR Ant 6 | NFC            | Summed         |
|                                       |                               |                   | 10g SAR (W/kg) | 10g SAR (W/kg) | 10g SAR (W/kg)                        | 10g SAR (W/kg) | 10g SAR (W/kg) |
| Ant4<br>(B12&13&14&26&2&4&5&66&71)    | Ant0<br>(N25&2&66&5&71)       | Front             | 1.340          | 2.363          | 0.502                                 | 0.006          | 4.21           |
|                                       |                               | Back              | 1.767          | 2.076          | 0.987                                 | 0.025          | 4.86           |
|                                       |                               | Left side         |                |                | 0.987                                 | 0.004          | 0.99           |
|                                       |                               | Right side        |                |                | 0.987                                 | 0.005          | 0.99           |
|                                       |                               | Top side          | 2.514          |                | 0.987                                 | 0.001          | 3.50           |
|                                       |                               | Bottom side       |                | 3.195          | 0.096                                 | 0.001          | 3.29           |
| Ant4<br>(B12&14&25&26&2&4&5&66&71)    | Ant1(N30&41&7)                | Front             | 1.340          | 2.911          | 0.502                                 | 0.006          | 4.76           |
|                                       |                               | Back              | 1.767          | 3.050          | 0.987                                 | 0.025          | 5.83           |
|                                       |                               | Left side         |                | 2.911          | 0.987                                 | 0.004          | 3.90           |
|                                       |                               | Right side        |                |                | 0.987                                 | 0.005          | 0.99           |
|                                       |                               | Top side          | 2.514          |                | 0.987                                 | 0.001          | 3.50           |
|                                       |                               | Bottom side       |                | 2.971          | 0.096                                 | 0.001          | 3.07           |
| Ant0<br>(B12&13&14&25&26&2&4&5&66&71) | Ant5(N77&78&48)               | Front             | 2.509          | 1.369          | 0.502                                 | 0.006          | 4.39           |
|                                       |                               | Back              | 2.100          | 2.627          | 0.987                                 | 0.025          | 5.74           |
|                                       |                               | Left side         |                |                | 0.987                                 | 0.004          | 0.99           |
|                                       |                               | Right side        |                | 2.100          | 0.987                                 | 0.005          | 3.09           |
|                                       |                               | Top side          |                | 1.415          | 0.987                                 | 0.001          | 2.40           |
|                                       |                               | Bottom side       | 3.490          |                | 0.096                                 | 0.001          | 3.59           |
| Ant1(B30&7)                           | Ant4(N2&5&66&25&71)           | Front             | 3.071          | 1.472          | 0.502                                 | 0.006          | 5.05           |
|                                       |                               | Back              | 3.451          | 1.460          | 0.987                                 | 0.025          | 5.92           |
|                                       |                               | Left side         | 2.910          |                | 0.987                                 | 0.004          | 3.90           |
|                                       |                               | Right side        |                |                | 0.987                                 | 0.005          | 0.99           |
|                                       |                               | Top side          |                | 2.505          | 0.987                                 | 0.001          | 3.49           |
|                                       |                               | Bottom side       | 2.661          |                | 0.096                                 | 0.001          | 2.76           |
| Ant0<br>(B2&4&66&12&13&14&26&5&71)    | Ant4<br>(N12&5&66&25&2&41&71) | Front             | 2.509          | 1.472          | 0.502                                 | 0.006          | 4.49           |
|                                       |                               | Back              | 2.100          | 1.460          | 0.987                                 | 0.025          | 4.57           |
|                                       |                               | Left side         |                |                | 0.987                                 | 0.004          | 0.99           |
|                                       |                               | Right side        |                |                | 0.987                                 | 0.005          | 0.99           |
|                                       |                               | Top side          |                | 2.505          | 0.987                                 | 0.001          | 3.49           |
|                                       |                               | Bottom side       | 3.490          |                | 0.096                                 | 0.001          | 3.59           |
| Ant4(B30&7)                           | Ant5(N77&78)                  | Front             | 0.934          | 1.191          | 0.502                                 | 0.006          | 2.63           |
|                                       |                               | Back              | 1.028          | 1.191          | 0.987                                 | 0.025          | 3.23           |
|                                       |                               | Left side         |                | 1.191          | 0.987                                 | 0.004          | 2.18           |
|                                       |                               | Right side        |                | 1.191          | 0.987                                 | 0.005          | 2.18           |
|                                       |                               | Top side          | 1.305          | 1.191          | 0.987                                 | 0.001          | 3.48           |
|                                       |                               | Bottom side       |                | 1.191          | 0.096                                 | 0.001          | 1.29           |
| Ant5 B48                              | Ant0 (N2&66&71&5)             | Front             | 1.531          | 2.363          | 0.502                                 | 0.006          | 4.40           |
|                                       |                               | Back              | 2.773          | 2.076          | 0.987                                 | 0.025          | 5.86           |
|                                       |                               | Left side         |                |                | 0.987                                 | 0.004          | 0.99           |
|                                       |                               | Right side        | 0.815          |                | 0.987                                 | 0.005          | 1.81           |
|                                       |                               | Top side          | 1.399          |                | 0.987                                 | 0.001          | 2.39           |
|                                       |                               | Bottom side       |                | 3.195          | 0.096                                 | 0.001          | 3.29           |

Note: The results marked yellow is greater than 4.0 W/kg in above table, there are needed further analysis required for compliance demonstration of the simultaneous combinations. Please refer to the detailed analysis corresponding to each position in section 16.5.

## 16.5 SPLSR Evaluation and Analysis

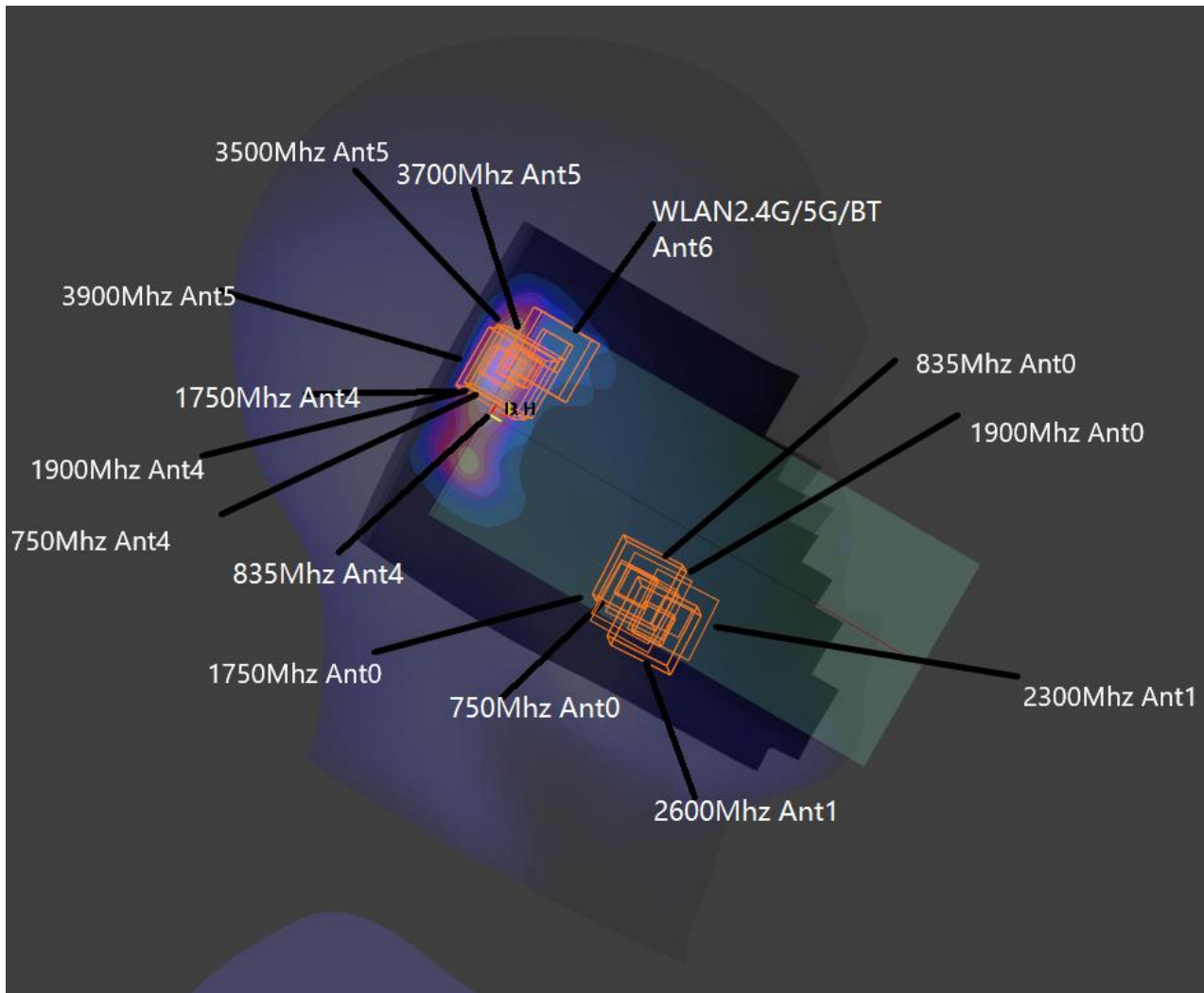
### General Note:

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 and  $SPLSR \leq 0.10$  for 10g SAR, simultaneously transmission SAR measurement is not necessary.
3. If SPLSR criteria evaluation and analysis is needed to determine compliance for a certain ECI configuration, SPLSR is performed by taking the highest reported SAR for each of the supported technologies and bands per antenna, along with the peak SAR locations.
  - 1) Obtain the highest reported multi-band SAR out of all supported technologies/bands per antenna per exposure position in section 16, so determine the highest reported multi-band SAR per tech/band/antenna /exposure position of the co-located antenna pair to be conservative.
  - 2) Determine the minimum distance between the spatially separated antenna and the closest antenna of the co-located antenna pair to be conservative, please refer to section 16.6.
  - 3) 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. i.e., WWAN band antenna 0/1 was summed algebraically with the NFC, BT/WIFI Antenna 6 and one or more of WWAN Antenna 4/5 separately for the purposes of hybrid SPLSR combination and they are located at the top of the device.
4. The following formula is used to calculate the SPLSR between WWAN Band and WLAN/BT for each exposure configuration:

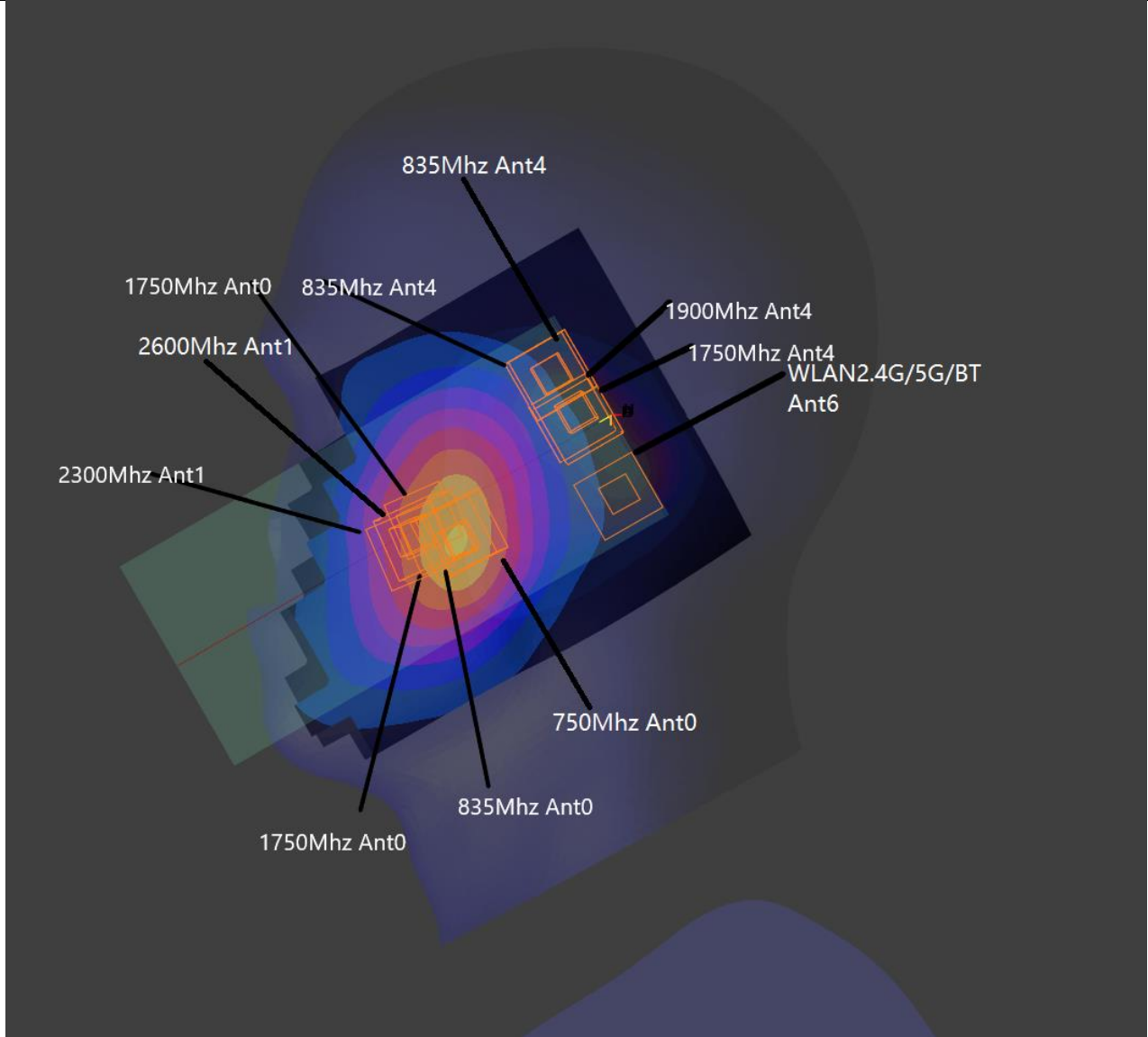
$$SPLSR = \frac{(SAR_1 + SAR_2)^{1.5}}{\text{Min Distace}}$$

- 1) SAR1 and SAR2 are the highest reported or estimated SAR values for each antenna in the pair, SAR1+SAR2 Used the maximum Summed SAR out of all supported technologies/bands per antenna per exposure position.
- 2) Min Distance for the minimum distance between the spatially separated antenna and the closest antenna of the co-located antenna pair.

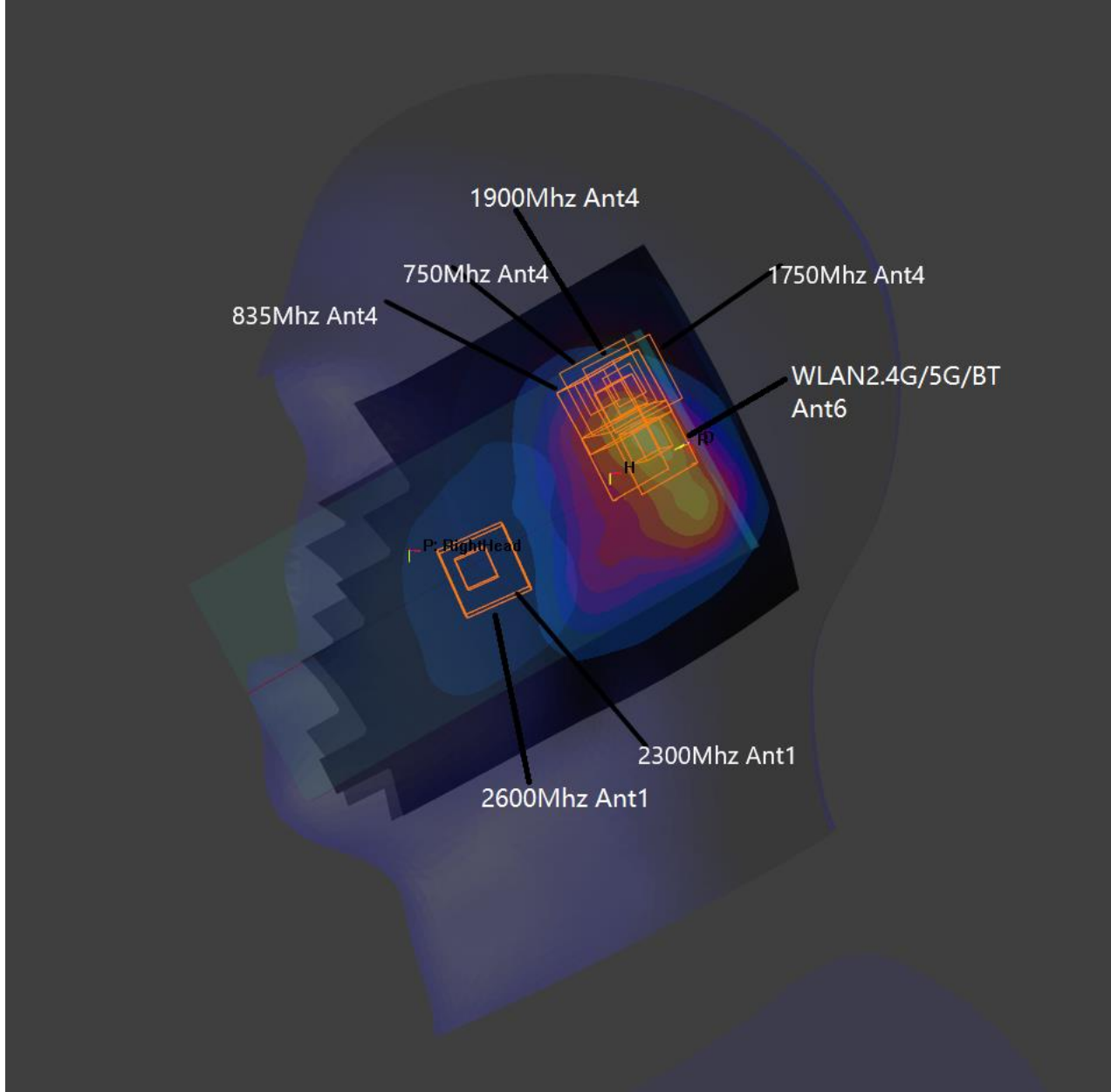




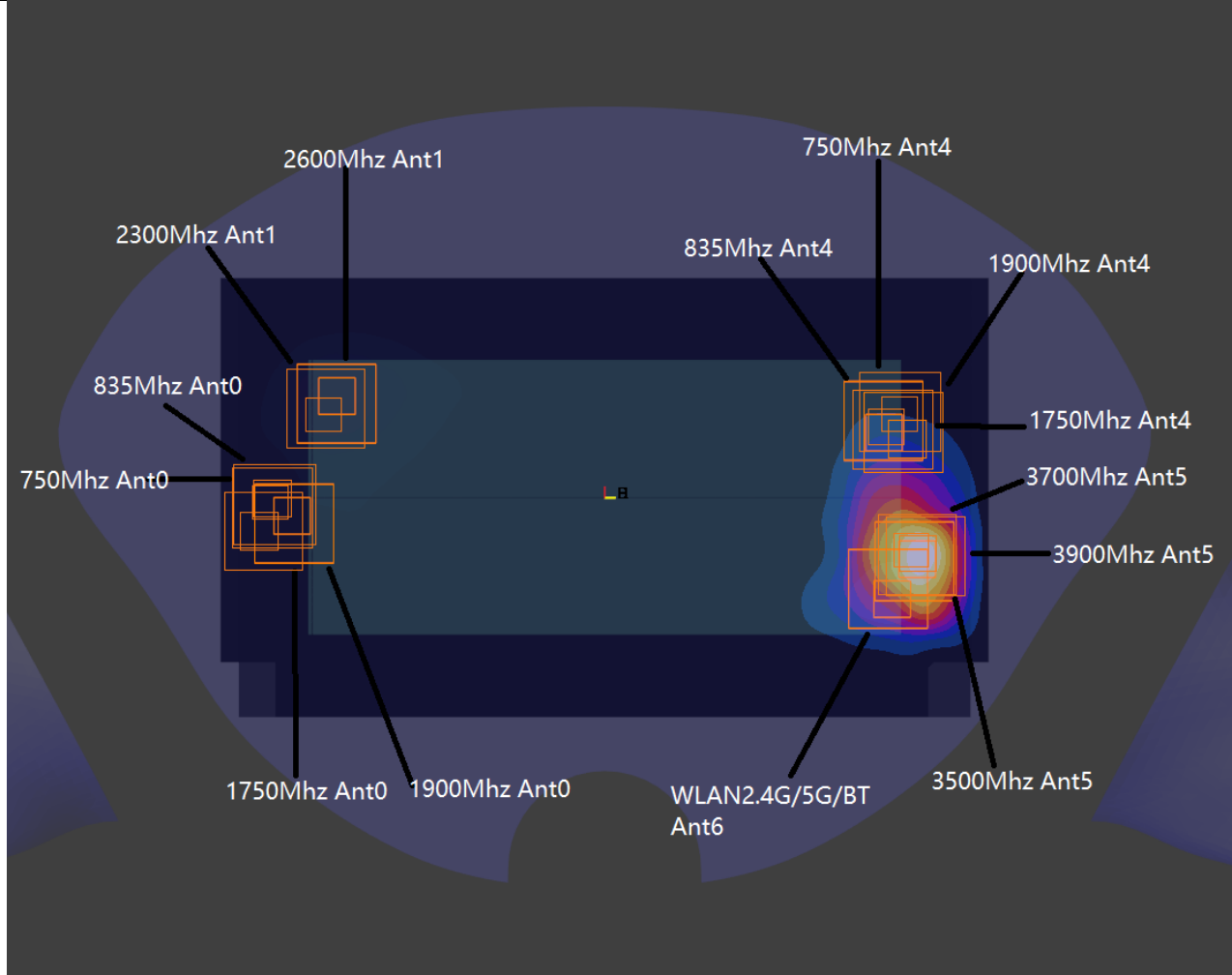
Left Cheek 0mm WWAN+WIFI(BT)



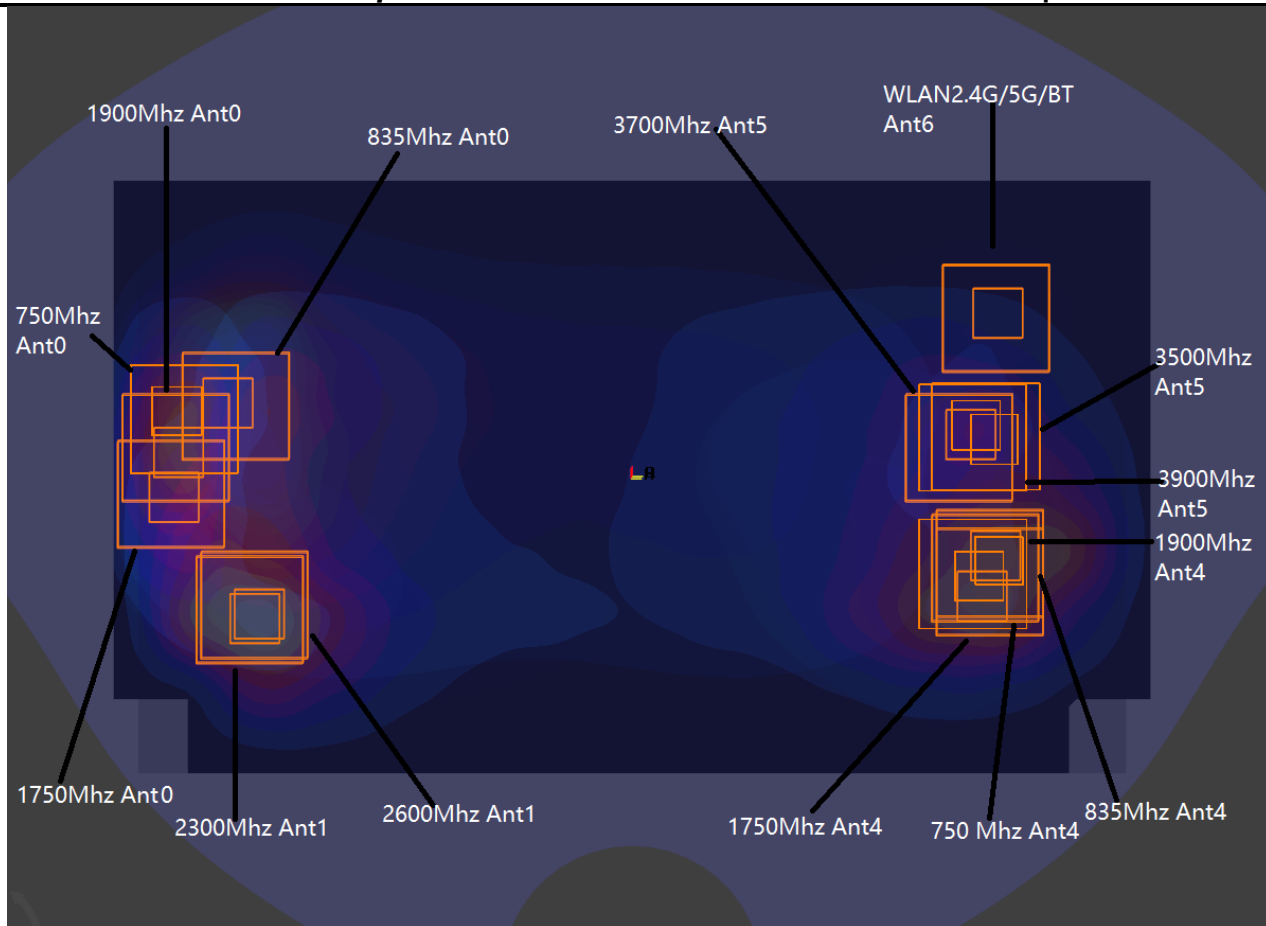
RightCheek 0mm WWAN+WIFI(BT)



Right Tilted 0mm WWAN+WIFI(BT)

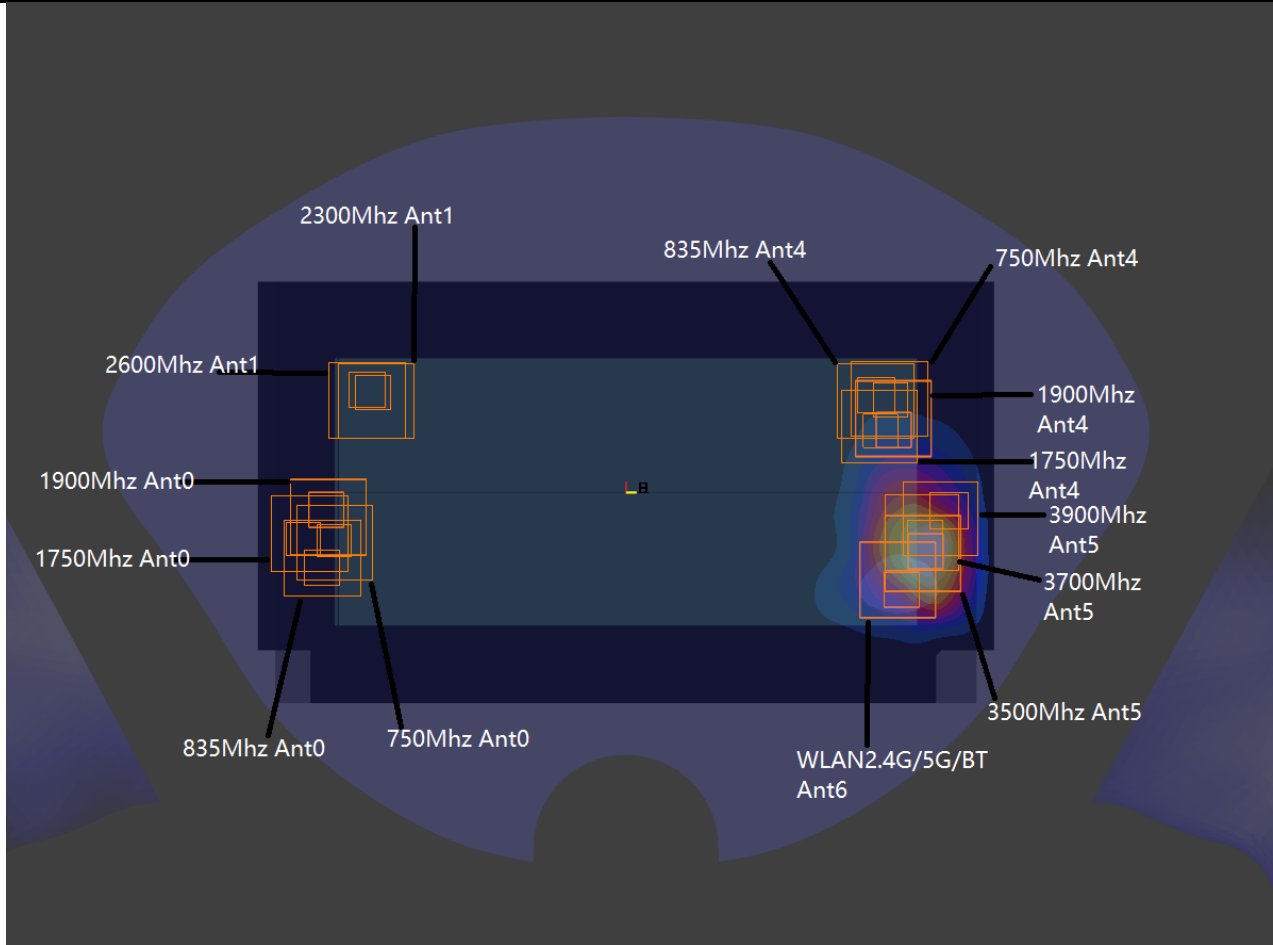


Front 5mm WWAN+WIFI(BT)

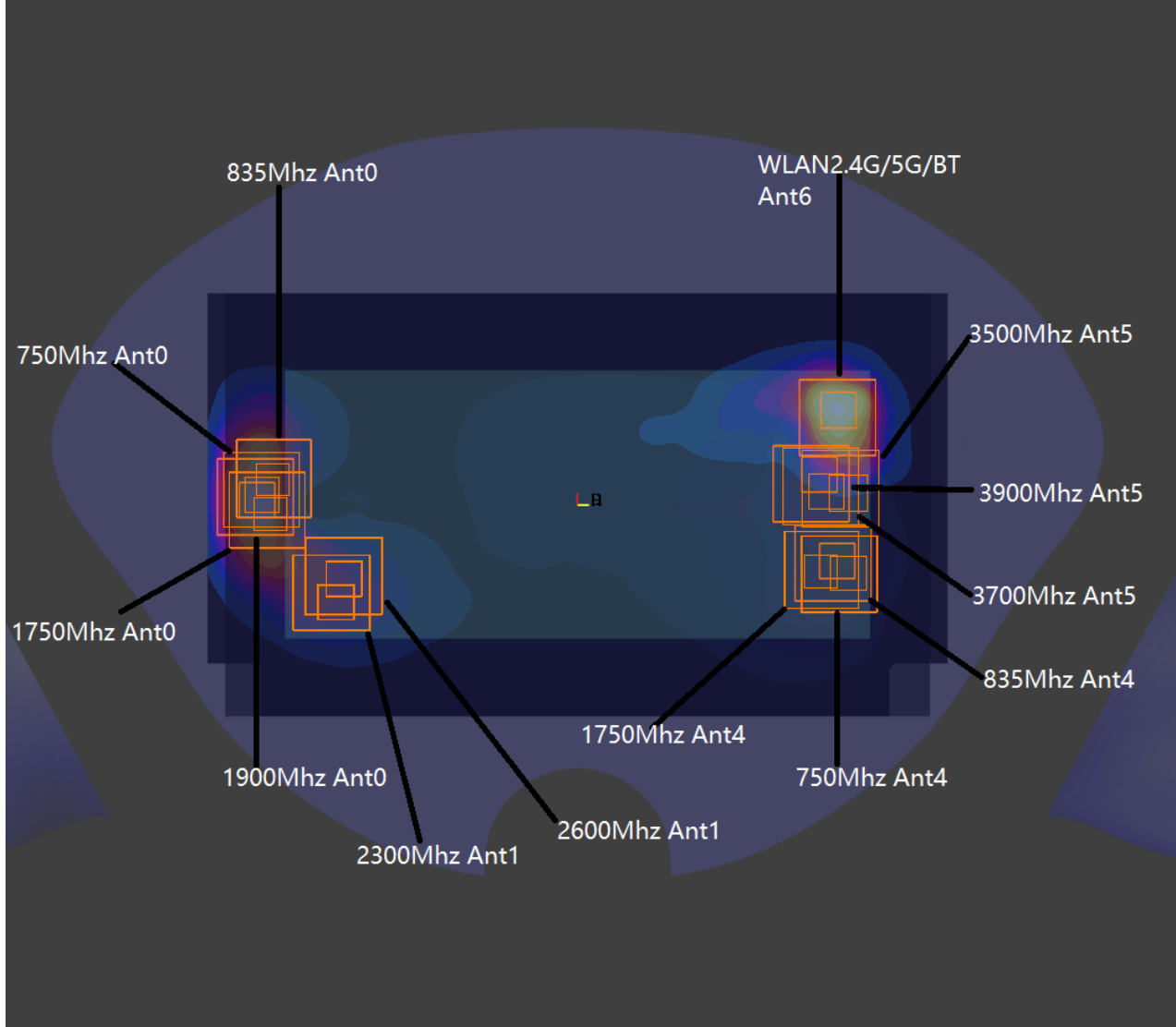


Back 5mm WWAN+WIFI(BT)

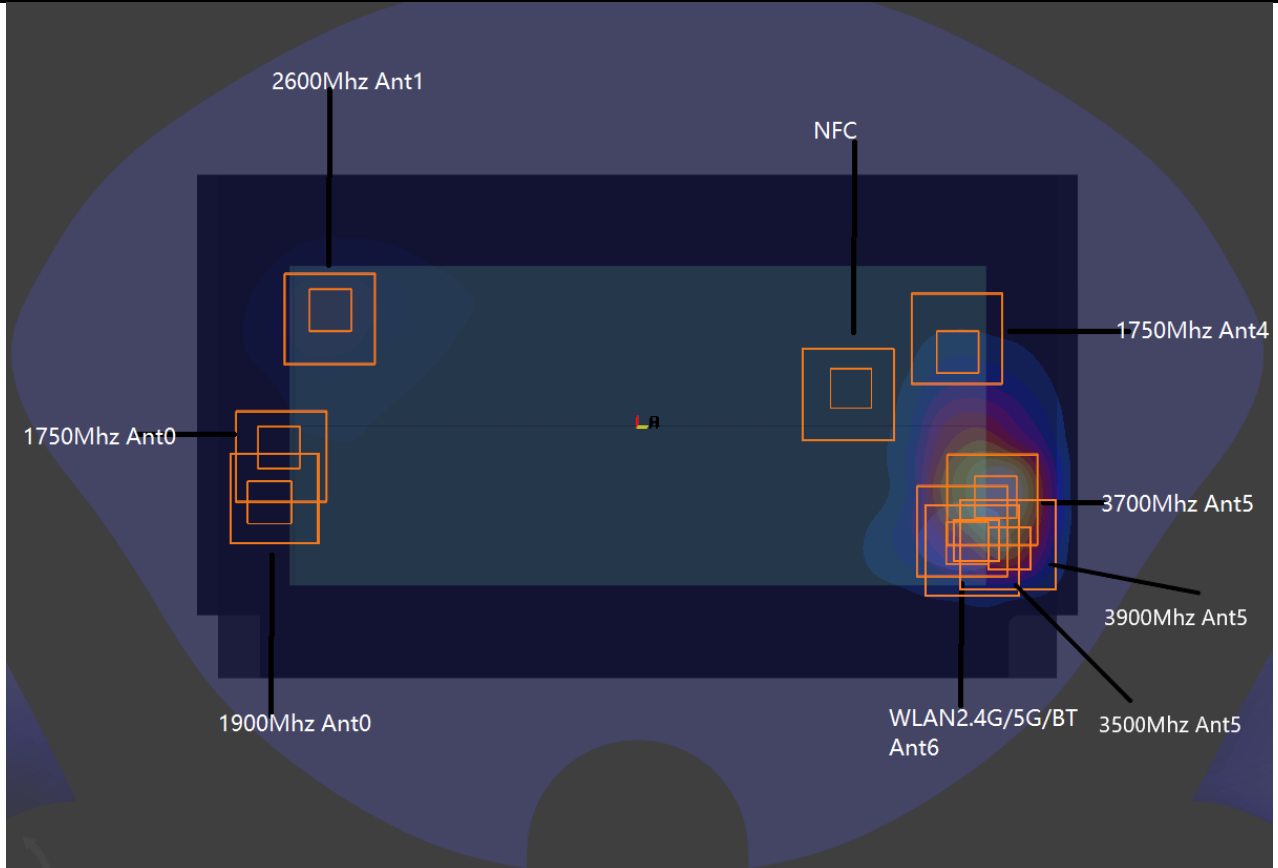




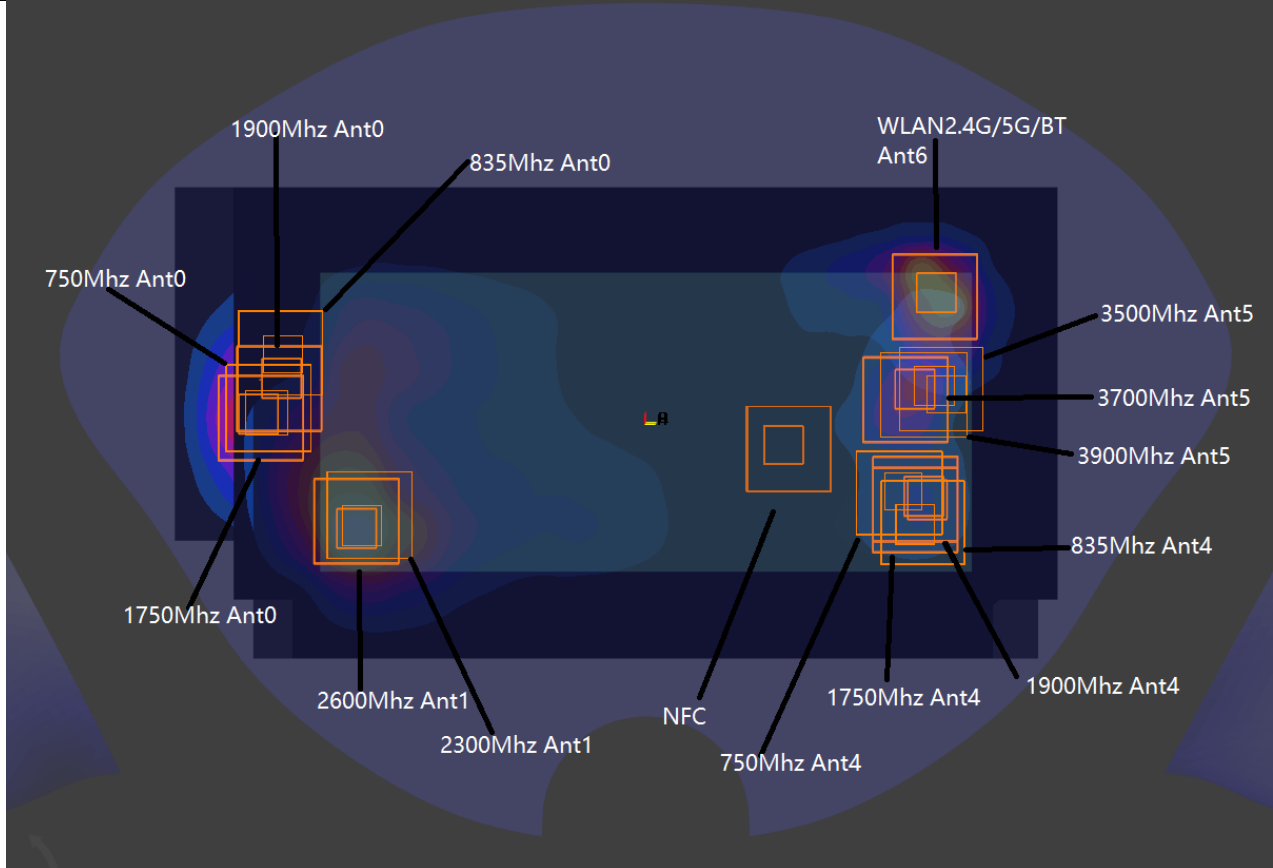
Front 12mm WWAN+WIFI(BT)



Back 22mm WWAN+WIFI(BT)



Front 0mm WWAN+WIFI(BT)+NFC



Back 0mm WWAN+WIFI(BT)+NFC

**For Head**

| Position     | Min 3D distance (mm) | Max Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
|--------------|----------------------|-----------------------|---------------|------------------|
| Right Cheek  | 61.5                 | 1.73                  | 0.04          | Not required     |
| Position     | Min 3D distance (mm) | Max Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Right Tilted | 68.1                 | 1.70                  | 0.03          | Not required     |
| Position     | Min 3D distance (mm) | Max Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Left Cheek   | 60.3                 | 1.79                  | 0.04          | Not required     |

Note:

1. Please refer to section 16.1 for the max Summed SAR out of all supported technologies/bands per antenna per exposure position.
2. Please refer to section 16.6 for the minimum distance between the spatially separated antenna and the closest antenna of the co-located antenna pair.

**For Hotspot:**

| Position | Min 3D distance (mm) | Max Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
|----------|----------------------|-----------------------|---------------|------------------|
| Back     | 133.5                | 2.74                  | 0.03          | Not required     |

Note:

1. Please refer to section 16.2 for the max Summed SAR out of all supported technologies/bands per antenna per exposure position.
2. Please refer to section 16.6 for the minimum distance between the spatially separated antenna and the closest antenna of the co-located antenna pair.

**For Body-worn:**

| Position | Min 3D distance (mm) | Max Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
|----------|----------------------|-----------------------|---------------|------------------|
| Front    | 127.1                | 1.87                  | 0.02          | Not required     |
| Position | Min 3D distance (mm) | Max Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Back     | 133.5                | 2.86                  | 0.04          | Not required     |

**Sensor off:**

| Position | Min 3D distance (mm) | Max Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
|----------|----------------------|-----------------------|---------------|------------------|
| Front    | 130.9                | 2.31                  | 0.03          | Not required     |
| Position | Min 3D distance (mm) | Max Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Back     | 138.1                | 2.07                  | 0.02          | Not required     |

Note:

1. Please refer to section 16.3 for the max Summed SAR out of all supported technologies/bands per antenna per exposure position.
2. Please refer to section 16.6 for the minimum distance between the spatially separated antenna and the closest antenna of the co-located antenna pair.

**For Extremity**

| Position | Min 3D distance (mm) | Max Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
|----------|----------------------|-----------------------|---------------|------------------|
| Front    | 114.1                | 5.05                  | 0.10          | Not required     |
| Position | Min 3D distance (mm) | Max Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
| Back     | 144.7                | 5.92                  | 0.10          | Not required     |

Note:

1. Please refer to section 16.4 for the max Summed SAR out of all supported technologies/bands per antenna per exposure position.
2. Please refer to section 16.6 for the minimum distance between the spatially separated antenna and the closest antenna of the co-located antenna pair.



### 16.6 Separation distance between Peak SAR locations of each one pair Calculation results

**General Note:**

- Recorded for each of the supported technology/bands per antenna, in addition to the maximum reported SAR, the SAR hotspot location in a coordinate system aligned along with device dimensions (x-axis along width, y-axis along width and z-axis along length), please refer to below tables.
- Calculate results of the separation distance between the peak SAR locations for each one antenna pair with WWAN band ant0/1/4/5/9 and WLAN/BT ant6, please refer to below tables.
- Determine the minimum distance between the spatially separated antenna and the closest antenna of the co-located antenna pair to be conservative.

**For Head  
Right Cheek**

| Band    | Ant  | Position    | Gap  | SAR peak location (mm) |        |        | 3D distance (mm) | Band    | Ant  | Position    | Gap  | SAR peak location (mm) |        |        | 3D distance (mm) |
|---------|------|-------------|------|------------------------|--------|--------|------------------|---------|------|-------------|------|------------------------|--------|--------|------------------|
|         |      |             | (mm) | X                      | Y      | Z      |                  |         |      |             | (mm) | X                      | Y      | Z      |                  |
| LTE B12 | Ant0 | Right Cheek | 0mm  | 56.2                   | -255.9 | -175.3 | 86.5             | LTE B12 | Ant4 | Right Cheek | 0mm  | 11.4                   | -329.1 | -173.5 | 115.5            |
| LTE B66 | Ant4 |             | 0mm  | 10.2                   | -329.1 | -173.7 |                  | FR1 N30 | Ant1 |             | 0mm  | 32.1                   | -215.9 | -163.3 |                  |
| LTE B13 | Ant0 | Right Cheek | 0mm  | 58.1                   | -270.1 | -172.3 | 76.0             | LTE B14 | Ant4 | Right Cheek | 0mm  | 11.9                   | -329.1 | 173.5  | 355.9            |
| LTE B66 | Ant4 |             | 0mm  | 10.2                   | -329.1 | -173.7 |                  | FR1 N30 | Ant1 |             | 0mm  | 32.1                   | -215.9 | -163.3 |                  |
| LTE B14 | Ant0 | Right Cheek | 0mm  | 51.9                   | -251.2 | -174.3 | 88.4             | LTE B2  | Ant4 | Right Cheek | 0mm  | 14.3                   | -329.4 | -173.7 | 115.4            |
| LTE B66 | Ant4 |             | 0mm  | 10.2                   | -329.1 | -173.7 |                  | FR1 N30 | Ant1 |             | 0mm  | 32.1                   | -215.9 | -163.3 |                  |
| LTE B2  | Ant0 | Right Cheek | 0mm  | 38.8                   | -228.1 | -167.4 | 105.2            | LTE B4  | Ant4 | Right Cheek | 0mm  | 12.7                   | -329.2 | -172.6 | 115.3            |
| LTE B66 | Ant4 |             | 0mm  | 10.2                   | -329.1 | -173.7 |                  | FR1 N30 | Ant1 |             | 0mm  | 32.1                   | -215.9 | -163.3 |                  |
| LTE B4  | Ant0 | Right Cheek | 0mm  | 45.2                   | -232.5 | -181   | 103.0            | LTE B5  | Ant4 | Right Cheek | 0mm  | 16.4                   | -329.1 | -172.6 | 114.7            |
| LTE B66 | Ant4 |             | 0mm  | 10.2                   | -329.1 | -173.7 |                  | FR1 N30 | Ant1 |             | 0mm  | 32.1                   | -215.9 | -163.3 |                  |
| LTE B5  | Ant0 | Right Cheek | 0mm  | 58.8                   | -228.1 | -170.4 | 112.1            | LTE B66 | Ant4 | Right Cheek | 0mm  | 10.2                   | -329.1 | -173.7 | 115.8            |
| LTE B66 | Ant4 |             | 0mm  | 10.2                   | -329.1 | -173.7 |                  | FR1 N30 | Ant1 |             | 0mm  | 32.1                   | -215.9 | -163.3 |                  |
| LTE B12 | Ant0 | Right Cheek | 0mm  | 56.2                   | -255.9 | -175.3 | 85.8             | LTE B25 | Ant4 | Right Cheek | 0mm  | 11.3                   | -329.2 | -172.8 | 115.6            |
| LTE B12 | Ant4 |             | 0mm  | 11.4                   | -329.1 | -173.5 |                  | FR1 N30 | Ant1 |             | 0mm  | 32.1                   | -215.9 | -163.3 |                  |
| LTE B13 | Ant0 | Right Cheek | 0mm  | 58.1                   | -270.1 | -172.3 | 75.3             | LTE B26 | Ant4 | Right Cheek | 0mm  | 13.1                   | -328.6 | -173.5 | 114.7            |
| LTE B12 | Ant4 |             | 0mm  | 11.4                   | -329.1 | -173.5 |                  | FR1 N30 | Ant1 |             | 0mm  | 32.1                   | -215.9 | -163.3 |                  |
| LTE B14 | Ant0 | Right Cheek | 0mm  | 51.9                   | -251.2 | -174.3 | 87.8             | LTE B71 | Ant4 | Right Cheek | 0mm  | 13.2                   | -329.4 | -173.7 | 115.5            |
| LTE B12 | Ant4 |             | 0mm  | 11.4                   | -329.1 | -173.5 |                  | FR1 N30 | Ant1 |             | 0mm  | 32.1                   | -215.9 | -163.3 |                  |
| LTE B2  | Ant0 | Right Cheek | 0mm  | 38.8                   | -228.1 | -167.4 | 104.8            | LTE B12 | Ant4 | Right Cheek | 0mm  | 11.4                   | -329.1 | -173.5 | 115.9            |
| LTE B12 | Ant4 |             | 0mm  | 11.4                   | -329.1 | -173.5 |                  | FR1 N41 | Ant1 |             | 0mm  | 31.2                   | -215.4 | -163.1 |                  |
| LTE B4  | Ant0 | Right Cheek | 0mm  | 45.2                   | -232.5 | -181   | 102.6            | LTE B14 | Ant4 | Right Cheek | 0mm  | 11.9                   | -329.1 | 173.5  | 355.8            |
| LTE B12 | Ant4 |             | 0mm  | 11.4                   | -329.1 | -173.5 |                  | FR1 N41 | Ant1 |             | 0mm  | 31.2                   | -215.4 | -163.1 |                  |
| LTE B5  | Ant0 | Right Cheek | 0mm  | 58.8                   | -228.1 | -170.4 | 111.6            | LTE B2  | Ant4 | Right Cheek | 0mm  | 14.3                   | -329.4 | -173.7 | 115.7            |
| LTE B12 | Ant4 |             | 0mm  | 11.4                   | -329.1 | -173.5 |                  | FR1 N41 | Ant1 |             | 0mm  | 31.2                   | -215.4 | -163.1 |                  |
| LTE B12 | Ant0 | Right Cheek | 0mm  | 56.2                   | -255.9 | -175.3 | 85.3             | LTE B4  | Ant4 | Right Cheek | 0mm  | 12.7                   | -329.2 | -172.6 | 115.7            |
| LTE B13 | Ant4 |             | 0mm  | 12.5                   | -329.2 | -174.2 |                  | FR1 N41 | Ant1 |             | 0mm  | 31.2                   | -215.4 | -163.1 |                  |
| LTE B13 | Ant0 | Right Cheek | 0mm  | 58.1                   | -270.1 | -172.3 | 74.7             | LTE B5  | Ant4 | Right Cheek | 0mm  | 16.4                   | -329.1 | -172.6 | 115.1            |
| LTE B13 | Ant4 |             | 0mm  | 12.5                   | -329.2 | -174.2 |                  | FR1 N41 | Ant1 |             | 0mm  | 31.2                   | -215.4 | -163.1 |                  |
| LTE B14 | Ant0 | Right Cheek | 0mm  | 51.9                   | -251.2 | -174.3 | 87.4             | LTE B66 | Ant4 | Right Cheek | 0mm  | 10.2                   | -329.1 | -173.7 | 116.1            |
| LTE B13 | Ant4 |             | 0mm  | 12.5                   | -329.2 | -174.2 |                  | FR1 N41 | Ant1 |             | 0mm  | 31.2                   | -215.4 | -163.1 |                  |
| LTE B2  | Ant0 | Right Cheek | 0mm  | 38.8                   | -228.1 | -167.4 | 104.7            | LTE B25 | Ant4 | Right Cheek | 0mm  | 11.3                   | -329.2 | -172.8 | 115.9            |
| LTE B13 | Ant4 |             | 0mm  | 12.5                   | -329.2 | -174.2 |                  | FR1 N41 | Ant1 |             | 0mm  | 31.2                   | -215.4 | -163.1 |                  |
| LTE B4  | Ant0 | Right Cheek | 0mm  | 45.2                   | -232.5 | -181   | 102.3            | LTE B26 | Ant4 | Right Cheek | 0mm  | 13.1                   | -328.6 | -173.5 | 115.1            |
| LTE B13 | Ant4 |             | 0mm  | 12.5                   | -329.2 | -174.2 |                  | FR1 N41 | Ant1 |             | 0mm  | 31.2                   | -215.4 | -163.1 |                  |
| LTE B5  | Ant0 | Right Cheek | 0mm  | 58.8                   | -228.1 | -170.4 | 111.3            | LTE B71 | Ant4 | Right Cheek | 0mm  | 13.2                   | -329.4 | -173.7 | 115.9            |
| LTE B13 | Ant4 |             | 0mm  | 12.5                   | -329.2 | -174.2 |                  | FR1 N41 | Ant1 |             | 0mm  | 31.2                   | -215.4 | -163.1 |                  |
| LTE B12 | Ant0 | Right Cheek | 0mm  | 56.2                   | -255.9 | -175.3 | 85.6             | LTE B12 | Ant4 | Right Cheek | 0mm  | 11.4                   | -329.1 | -173.5 | 116.0            |
| LTE B14 | Ant4 |             | 0mm  | 11.9                   | -329.1 | -173.5 |                  | FR1 N7  | Ant1 |             | 0mm  | 31.7                   | -215.4 | -162.8 |                  |
| LTE B13 | Ant0 | Right Cheek | 0mm  | 58.1                   | -270.1 | -172.3 | 74.9             | LTE B14 | Ant4 | Right Cheek | 0mm  | 11.9                   | -329.1 | 173.5  | 355.6            |
| LTE B14 | Ant4 |             | 0mm  | 11.9                   | -329.1 | -173.5 |                  | FR1 N7  | Ant1 |             | 0mm  | 31.7                   | -215.4 | -162.8 |                  |
| LTE B14 | Ant0 | Right       | 0mm  | 51.9                   | -251.2 | -174.3 | 87.6             | LTE B2  | Ant4 | Right       | 0mm  | 14.3                   | -329.4 | -173.7 | 115.8            |



|           |      |       |     |      |        |        |       |         |      |       |     |      |        |        |       |
|-----------|------|-------|-----|------|--------|--------|-------|---------|------|-------|-----|------|--------|--------|-------|
| LTE B14   | Ant4 | Cheek | 0mm | 11.9 | -329.1 | -173.5 |       | FR1 N7  | Ant1 | Cheek | 0mm | 31.7 | -215.4 | -162.8 |       |
| LTE B2    | Ant0 | Right | 0mm | 38.8 | -228.1 | -167.4 | 104.7 | LTE B4  | Ant4 | Right | 0mm | 12.7 | -329.2 | -172.6 | 115.8 |
| LTE B14   | Ant4 | Cheek | 0mm | 11.9 | -329.1 | -173.5 |       | FR1 N7  | Ant1 | Cheek | 0mm | 31.7 | -215.4 | -162.8 |       |
| LTE B4    | Ant0 | Right | 0mm | 45.2 | -232.5 | -181   | 102.5 | LTE B5  | Ant4 | Right | 0mm | 16.4 | -329.1 | -172.6 | 115.1 |
| LTE B14   | Ant4 | Cheek | 0mm | 11.9 | -329.1 | -173.5 |       | FR1 N7  | Ant1 | Cheek | 0mm | 31.7 | -215.4 | -162.8 |       |
| LTE B5    | Ant0 | Right | 0mm | 58.8 | -228.1 | -170.4 | 111.4 | LTE B66 | Ant4 | Right | 0mm | 10.2 | -329.1 | -173.7 | 116.2 |
| LTE B14   | Ant4 | Cheek | 0mm | 11.9 | -329.1 | -173.5 |       | FR1 N7  | Ant1 | Cheek | 0mm | 31.7 | -215.4 | -162.8 |       |
| LTE B12   | Ant0 | Right | 0mm | 56.2 | -255.9 | -175.3 | 85.3  | LTE B25 | Ant4 | Right | 0mm | 11.3 | -329.2 | -172.8 | 116.0 |
| LTE B4    | Ant4 | Cheek | 0mm | 12.7 | -329.2 | -172.6 |       | FR1 N7  | Ant1 | Cheek | 0mm | 31.7 | -215.4 | -162.8 |       |
| LTE B13   | Ant0 | Right | 0mm | 58.1 | -270.1 | -172.3 | 74.5  | LTE B26 | Ant4 | Right | 0mm | 13.1 | -328.6 | -173.5 | 115.2 |
| LTE B4    | Ant4 | Cheek | 0mm | 12.7 | -329.2 | -172.6 |       | FR1 N7  | Ant1 | Cheek | 0mm | 31.7 | -215.4 | -162.8 |       |
| LTE B14   | Ant0 | Right | 0mm | 51.9 | -251.2 | -174.3 | 87.3  | LTE B71 | Ant4 | Right | 0mm | 13.2 | -329.4 | -173.7 | 116.0 |
| LTE B4    | Ant4 | Cheek | 0mm | 12.7 | -329.2 | -172.6 |       | FR1 N7  | Ant1 | Cheek | 0mm | 31.7 | -215.4 | -162.8 |       |
| LTE B2    | Ant0 | Right | 0mm | 38.8 | -228.1 | -167.4 | 104.5 | LTE B12 | Ant0 | Right | 0mm | 56.2 | -255.9 | -175.3 | 82.4  |
| LTE B4    | Ant4 | Cheek | 0mm | 12.7 | -329.2 | -172.6 |       | FR1 N5  | Ant4 | Cheek | 0mm | 18.6 | -329.2 | -174.3 |       |
| LTE B4    | Ant0 | Right | 0mm | 45.2 | -232.5 | -181   | 102.4 | LTE B13 | Ant0 | Right | 0mm | 58.1 | -270.1 | -172.3 | 71.1  |
| LTE B4    | Ant4 | Cheek | 0mm | 12.7 | -329.2 | -172.6 |       | FR1 N5  | Ant4 | Cheek | 0mm | 18.6 | -329.2 | -174.3 |       |
| LTE B5    | Ant0 | Right | 0mm | 58.8 | -228.1 | -170.4 | 111.1 | LTE B14 | Ant0 | Right | 0mm | 51.9 | -251.2 | -174.3 | 84.8  |
| LTE B4    | Ant4 | Cheek | 0mm | 12.7 | -329.2 | -172.6 |       | FR1 N5  | Ant4 | Cheek | 0mm | 18.6 | -329.2 | -174.3 |       |
| LTE B12   | Ant0 | Right | 0mm | 56.2 | -255.9 | -175.3 | 83.4  | LTE B2  | Ant0 | Right | 0mm | 38.8 | -228.1 | -167.4 | 103.3 |
| LTE B5    | Ant4 | Cheek | 0mm | 16.4 | -329.1 | -172.6 |       | FR1 N5  | Ant4 | Cheek | 0mm | 18.6 | -329.2 | -174.3 |       |
| LTE B13   | Ant0 | Right | 0mm | 58.1 | -270.1 | -172.3 | 72.2  | LTE B4  | Ant0 | Right | 0mm | 45.2 | -232.5 | -181   | 100.5 |
| LTE B5    | Ant4 | Cheek | 0mm | 16.4 | -329.1 | -172.6 |       | FR1 N5  | Ant4 | Cheek | 0mm | 18.6 | -329.2 | -174.3 |       |
| LTE B14   | Ant0 | Right | 0mm | 51.9 | -251.2 | -174.3 | 85.6  | LTE B5  | Ant0 | Right | 0mm | 58.8 | -228.1 | -170.4 | 108.9 |
| LTE B5    | Ant4 | Cheek | 0mm | 16.4 | -329.1 | -172.6 |       | FR1 N5  | Ant4 | Cheek | 0mm | 18.6 | -329.2 | -174.3 |       |
| LTE B2    | Ant0 | Right | 0mm | 38.8 | -228.1 | -167.4 | 103.6 | LTE B66 | Ant0 | Right | 0mm | 46.2 | -258.3 | -167.9 | 76.4  |
| LTE B5    | Ant4 | Cheek | 0mm | 16.4 | -329.1 | -172.6 |       | FR1 N5  | Ant4 | Cheek | 0mm | 18.6 | -329.2 | -174.3 |       |
| LTE B4    | Ant0 | Right | 0mm | 45.2 | -232.5 | -181   | 101.2 | LTE B26 | Ant0 | Right | 0mm | 56.1 | -238.9 | -175.3 | 97.8  |
| LTE B5    | Ant4 | Cheek | 0mm | 16.4 | -329.1 | -172.6 |       | FR1 N5  | Ant4 | Cheek | 0mm | 18.6 | -329.2 | -174.3 |       |
| LTE B5    | Ant0 | Right | 0mm | 58.8 | -228.1 | -170.4 | 109.6 | LTE B71 | Ant0 | Right | 0mm | 43.2 | -247.1 | -169.2 | 85.9  |
| LTE B5    | Ant4 | Cheek | 0mm | 16.4 | -329.1 | -172.6 |       | FR1 N5  | Ant4 | Cheek | 0mm | 18.6 | -329.2 | -174.3 |       |
| LTE B12   | Ant0 | Right | 0mm | 56.2 | -255.9 | -175.3 | 79.1  | LTE B12 | Ant0 | Right | 0mm | 56.2 | -255.9 | -175.3 | 82.4  |
| BT        | Ant4 | Cheek | 0mm | 11.4 | -321.1 | -174.5 |       | FR1 N25 | Ant4 | Cheek | 0mm | 18.6 | -329.2 | -174.3 |       |
| LTE B13   | Ant0 | Right | 0mm | 58.1 | -270.1 | -172.3 | 69.2  | LTE B13 | Ant0 | Right | 0mm | 58.1 | -270.1 | -172.3 | 71.1  |
| BT        | Ant4 | Cheek | 0mm | 11.4 | -321.1 | -174.5 |       | FR1 N25 | Ant4 | Cheek | 0mm | 18.6 | -329.2 | -174.3 |       |
| LTE B14   | Ant0 | Right | 0mm | 51.9 | -251.2 | -174.3 | 80.8  | LTE B14 | Ant0 | Right | 0mm | 51.9 | -251.2 | -174.3 | 84.8  |
| BT        | Ant4 | Cheek | 0mm | 11.4 | -321.1 | -174.5 |       | FR1 N25 | Ant4 | Cheek | 0mm | 18.6 | -329.2 | -174.3 |       |
| LTE B2    | Ant0 | Right | 0mm | 38.8 | -228.1 | -167.4 | 97.2  | LTE B2  | Ant0 | Right | 0mm | 38.8 | -228.1 | -167.4 | 103.3 |
| BT        | Ant4 | Cheek | 0mm | 11.4 | -321.1 | -174.5 |       | FR1 N25 | Ant4 | Cheek | 0mm | 18.6 | -329.2 | -174.3 |       |
| LTE B4    | Ant0 | Right | 0mm | 45.2 | -232.5 | -181   | 95.1  | LTE B4  | Ant0 | Right | 0mm | 45.2 | -232.5 | -181   | 100.5 |
| BT        | Ant4 | Cheek | 0mm | 11.4 | -321.1 | -174.5 |       | FR1 N25 | Ant4 | Cheek | 0mm | 18.6 | -329.2 | -174.3 |       |
| LTE B5    | Ant0 | Right | 0mm | 58.8 | -228.1 | -170.4 | 104.5 | LTE B5  | Ant0 | Right | 0mm | 58.8 | -228.1 | -170.4 | 108.9 |
| BT        | Ant4 | Cheek | 0mm | 11.4 | -321.1 | -174.5 |       | FR1 N25 | Ant4 | Cheek | 0mm | 18.6 | -329.2 | -174.3 |       |
| LTE B12   | Ant0 | Right | 0mm | 56.2 | -255.9 | -175.3 | 70.5  | LTE B66 | Ant0 | Right | 0mm | 46.2 | -258.3 | -167.9 | 76.4  |
| WIFI 2.4G | Ant4 | Cheek | 0mm | 11.9 | -310.7 | -173.7 |       | FR1 N25 | Ant4 | Cheek | 0mm | 18.6 | -329.2 | -174.3 |       |
| LTE B13   | Ant0 | Right | 0mm | 58.1 | -270.1 | -172.3 | 61.5  | LTE B26 | Ant0 | Right | 0mm | 56.1 | -238.9 | -175.3 | 97.8  |
| WIFI 2.4G | Ant4 | Cheek | 0mm | 11.9 | -310.7 | -173.7 |       | FR1 N25 | Ant4 | Cheek | 0mm | 18.6 | -329.2 | -174.3 |       |
| LTE B14   | Ant0 | Right | 0mm | 51.9 | -251.2 | -174.3 | 71.7  | LTE B71 | Ant0 | Right | 0mm | 43.2 | -247.1 | -169.2 | 85.9  |
| WIFI 2.4G | Ant4 | Cheek | 0mm | 11.9 | -310.7 | -173.7 |       | FR1 N25 | Ant4 | Cheek | 0mm | 18.6 | -329.2 | -174.3 |       |
| LTE B2    | Ant0 | Right | 0mm | 38.8 | -228.1 | -167.4 | 87.1  | LTE B12 | Ant0 | Right | 0mm | 56.2 | -255.9 | -175.3 | 84.9  |
| WIFI 2.4G | Ant4 | Cheek | 0mm | 11.9 | -310.7 | -173.7 |       | FR1 N71 | Ant4 | Cheek | 0mm | 13.4 | -329.2 | -172.9 |       |
| WIFI 2.4G | Ant0 | Right | 0mm | 45.2 | -232.5 | -181   | 85.3  | LTE B13 | Ant0 | Right | 0mm | 58.1 | -270.1 | -172.3 | 74.1  |
| WIFI 2.4G | Ant4 | Cheek | 0mm | 11.9 | -310.7 | -173.7 |       | FR1 N71 | Ant4 | Cheek | 0mm | 13.4 | -329.2 | -172.9 |       |
| LTE B5    | Ant0 | Right | 0mm | 58.8 | -228.1 | -170.4 | 95.0  | LTE B14 | Ant0 | Right | 0mm | 51.9 | -251.2 | -174.3 | 87.0  |
| WIFI 2.4G | Ant4 | Cheek | 0mm | 11.9 | -310.7 | -173.7 |       | FR1 N71 | Ant4 | Cheek | 0mm | 13.4 | -329.2 | -172.9 |       |
| LTE B12   | Ant0 | Right | 0mm | 56.2 | -255.9 | -175.3 | 76.9  | LTE B2  | Ant0 | Right | 0mm | 38.8 | -228.1 | -167.4 | 104.4 |



|         |      |       |     |      |        |        |       |           |      |       |     |      |        |        |       |
|---------|------|-------|-----|------|--------|--------|-------|-----------|------|-------|-----|------|--------|--------|-------|
| WIFI 5G | Ant4 | Cheek | 0mm | 11.7 | -318.6 | -173.6 |       | FR1 N71   | Ant4 | Cheek | 0mm | 13.4 | -329.2 | -172.9 |       |
| LTE B13 | Ant0 | Right | 0mm | 58.1 | -270.1 | -172.3 | 67.1  | LTE B4    | Ant0 | Right | 0mm | 45.2 | -232.5 | -181   | 102.1 |
| WIFI 5G | Ant4 | Cheek | 0mm | 11.7 | -318.6 | -173.6 |       | FR1 N71   | Ant4 | Cheek | 0mm | 13.4 | -329.2 | -172.9 |       |
| LTE B14 | Ant0 | Right | 0mm | 51.9 | -251.2 | -174.3 | 78.5  | LTE B5    | Ant0 | Right | 0mm | 58.8 | -228.1 | -170.4 | 110.9 |
| WIFI 5G | Ant4 | Cheek | 0mm | 11.7 | -318.6 | -173.6 |       | FR1 N71   | Ant4 | Cheek | 0mm | 13.4 | -329.2 | -172.9 |       |
| LTE B2  | Ant0 | Right | 0mm | 38.8 | -228.1 | -167.4 | 94.7  | LTE B66   | Ant0 | Right | 0mm | 46.2 | -258.3 | -167.9 | 78.3  |
| WIFI 5G | Ant4 | Cheek | 0mm | 11.7 | -318.6 | -173.6 |       | FR1 N71   | Ant4 | Cheek | 0mm | 13.4 | -329.2 | -172.9 |       |
| LTE B4  | Ant0 | Right | 0mm | 45.2 | -232.5 | -181   | 92.7  | LTE B26   | Ant0 | Right | 0mm | 56.1 | -238.9 | -175.3 | 99.9  |
| WIFI 5G | Ant4 | Cheek | 0mm | 11.7 | -318.6 | -173.6 |       | FR1 N71   | Ant4 | Cheek | 0mm | 13.4 | -329.2 | -172.9 |       |
| LTE B5  | Ant0 | Right | 0mm | 58.8 | -228.1 | -170.4 | 102.1 | LTE B71   | Ant0 | Right | 0mm | 43.2 | -247.1 | -169.2 | 87.4  |
| WIFI 5G | Ant4 | Cheek | 0mm | 11.7 | -318.6 | -173.6 |       | FR1 N71   | Ant4 | Cheek | 0mm | 13.4 | -329.2 | -172.9 |       |
| LTE B12 | Ant0 | Right | 0mm | 56.2 | -255.9 | -175.3 | 85.9  | LTE B12   | Ant0 | Right | 0mm | 56.2 | -255.9 | -175.3 | 76.9  |
| FR1 N12 | Ant4 | Cheek | 0mm | 11.3 | -329.1 | -173.5 |       | WIFI 5G   | Ant6 | Cheek | 0mm | 11.7 | -318.6 | -173.6 |       |
| LTE B13 | Ant0 | Right | 0mm | 58.1 | -270.1 | -172.3 | 75.3  | LTE B13   | Ant0 | Right | 0mm | 58.1 | -270.1 | -172.3 | 67.1  |
| FR1 N12 | Ant4 | Cheek | 0mm | 11.3 | -329.1 | -173.5 |       | WIFI 5G   | Ant6 | Cheek | 0mm | 11.7 | -318.6 | -173.6 |       |
| LTE B14 | Ant0 | Right | 0mm | 51.9 | -251.2 | -174.3 | 87.8  | LTE B14   | Ant0 | Right | 0mm | 51.9 | -251.2 | -174.3 | 78.5  |
| FR1 N12 | Ant4 | Cheek | 0mm | 11.3 | -329.1 | -173.5 |       | WIFI 5G   | Ant6 | Cheek | 0mm | 11.7 | -318.6 | -173.6 |       |
| LTE B2  | Ant0 | Right | 0mm | 38.8 | -228.1 | -167.4 | 104.9 | LTE B2    | Ant0 | Right | 0mm | 38.8 | -228.1 | -167.4 | 94.7  |
| FR1 N12 | Ant4 | Cheek | 0mm | 11.3 | -329.1 | -173.5 |       | WIFI 5G   | Ant6 | Cheek | 0mm | 11.7 | -318.6 | -173.6 |       |
| LTE B4  | Ant0 | Right | 0mm | 45.2 | -232.5 | -181   | 102.6 | LTE B4    | Ant0 | Right | 0mm | 45.2 | -232.5 | -181   | 92.7  |
| FR1 N12 | Ant4 | Cheek | 0mm | 11.3 | -329.1 | -173.5 |       | WIFI 5G   | Ant6 | Cheek | 0mm | 11.7 | -318.6 | -173.6 |       |
| LTE B5  | Ant0 | Right | 0mm | 58.8 | -228.1 | -170.4 | 111.7 | LTE B5    | Ant0 | Right | 0mm | 58.8 | -228.1 | -170.4 | 102.1 |
| FR1 N12 | Ant4 | Cheek | 0mm | 11.3 | -329.1 | -173.5 |       | WIFI 5G   | Ant6 | Cheek | 0mm | 11.7 | -318.6 | -173.6 |       |
| LTE B66 | Ant0 | Right | 0mm | 46.2 | -258.3 | -167.9 | 79.1  | LTE B66   | Ant0 | Right | 0mm | 46.2 | -258.3 | -167.9 | 69.7  |
| FR1 N12 | Ant4 | Cheek | 0mm | 11.3 | -329.1 | -173.5 |       | WIFI 5G   | Ant6 | Cheek | 0mm | 11.7 | -318.6 | -173.6 |       |
| LTE B26 | Ant0 | Right | 0mm | 56.1 | -238.9 | -175.3 | 100.7 | LTE B26   | Ant0 | Right | 0mm | 56.1 | -238.9 | -175.3 | 91.2  |
| FR1 N12 | Ant4 | Cheek | 0mm | 11.3 | -329.1 | -173.5 |       | WIFI 5G   | Ant6 | Cheek | 0mm | 11.7 | -318.6 | -173.6 |       |
| LTE B71 | Ant0 | Right | 0mm | 43.2 | -247.1 | -169.2 | 88.1  | LTE B71   | Ant0 | Right | 0mm | 43.2 | -247.1 | -169.2 | 78.3  |
| FR1 N12 | Ant4 | Cheek | 0mm | 11.3 | -329.1 | -173.5 |       | WIFI 5G   | Ant6 | Cheek | 0mm | 11.7 | -318.6 | -173.6 |       |
| LTE B12 | Ant0 | Right | 0mm | 56.2 | -255.9 | -175.3 | 86.5  | FR1 N30   | Ant1 | Right | 0mm | 32.1 | -215.9 | -163.3 | 107.8 |
| FR1 N66 | Ant4 | Cheek | 0mm | 10.1 | -329.1 | -173.6 |       | BT        | Ant6 | Cheek | 0mm | 11.4 | -321.1 | -174.5 |       |
| LTE B13 | Ant0 | Right | 0mm | 58.1 | -270.1 | -172.3 | 76.1  | FR1 N41   | Ant1 | Right | 0mm | 31.2 | -215.4 | -163.1 | 108.1 |
| FR1 N66 | Ant4 | Cheek | 0mm | 10.1 | -329.1 | -173.6 |       | BT        | Ant6 | Cheek | 0mm | 11.4 | -321.1 | -174.5 |       |
| LTE B14 | Ant0 | Right | 0mm | 51.9 | -251.2 | -174.3 | 88.4  | FR1 N7    | Ant1 | Right | 0mm | 31.7 | -215.4 | -162.8 | 108.3 |
| FR1 N66 | Ant4 | Cheek | 0mm | 10.1 | -329.1 | -173.6 |       | BT        | Ant6 | Cheek | 0mm | 11.4 | -321.1 | -174.5 |       |
| LTE B2  | Ant0 | Right | 0mm | 38.8 | -228.1 | -167.4 | 105.2 | FR1 N30   | Ant1 | Right | 0mm | 32.1 | -215.9 | -163.3 | 97.5  |
| FR1 N66 | Ant4 | Cheek | 0mm | 10.1 | -329.1 | -173.6 |       | WIFI 2.4G | Ant6 | Cheek | 0mm | 11.9 | -310.7 | -173.7 |       |
| LTE B4  | Ant0 | Right | 0mm | 45.2 | -232.5 | -181   | 103.0 | FR1 N41   | Ant1 | Right | 0mm | 31.2 | -215.4 | -163.1 | 97.8  |
| FR1 N66 | Ant4 | Cheek | 0mm | 10.1 | -329.1 | -173.6 |       | WIFI 2.4G | Ant6 | Cheek | 0mm | 11.9 | -310.7 | -173.7 |       |
| LTE B5  | Ant0 | Right | 0mm | 58.8 | -228.1 | -170.4 | 112.2 | FR1 N7    | Ant1 | Right | 0mm | 31.7 | -215.4 | -162.8 | 97.9  |
| FR1 N66 | Ant4 | Cheek | 0mm | 10.1 | -329.1 | -173.6 |       | WIFI 2.4G | Ant6 | Cheek | 0mm | 11.9 | -310.7 | -173.7 |       |
| LTE B66 | Ant0 | Right | 0mm | 46.2 | -258.3 | -167.9 | 79.7  | FR1 N30   | Ant1 | Right | 0mm | 32.1 | -215.9 | -163.3 | 105.2 |
| FR1 N66 | Ant4 | Cheek | 0mm | 10.1 | -329.1 | -173.6 |       | WIFI 5G   | Ant6 | Cheek | 0mm | 11.7 | -318.6 | -173.6 |       |
| LTE B26 | Ant0 | Right | 0mm | 56.1 | -238.9 | -175.3 | 101.3 | FR1 N41   | Ant1 | Right | 0mm | 31.2 | -215.4 | -163.1 | 105.5 |
| FR1 N66 | Ant4 | Cheek | 0mm | 10.1 | -329.1 | -173.6 |       | WIFI 5G   | Ant6 | Cheek | 0mm | 11.7 | -318.6 | -173.6 |       |
| LTE B71 | Ant0 | Right | 0mm | 43.2 | -247.1 | -169.2 | 88.5  | FR1 N7    | Ant1 | Right | 0mm | 31.7 | -215.4 | -162.8 | 105.7 |
| FR1 N66 | Ant4 | Cheek | 0mm | 10.1 | -329.1 | -173.6 |       | WIFI 5G   | Ant6 | Cheek | 0mm | 11.7 | -318.6 | -173.6 |       |
| LTE B12 | Ant0 | Right | 0mm | 56.2 | -255.9 | -175.3 | 137.0 |           |      |       |     |      |        |        |       |
| FR1 N2  | Ant4 | Cheek | 0mm | 172  | -329.1 | -173.2 |       |           |      |       |     |      |        |        |       |
| LTE B13 | Ant0 | Right | 0mm | 58.1 | -270.1 | -172.3 | 128.3 |           |      |       |     |      |        |        |       |
| FR1 N2  | Ant4 | Cheek | 0mm | 172  | -329.1 | -173.2 |       |           |      |       |     |      |        |        |       |
| LTE B14 | Ant0 | Right | 0mm | 51.9 | -251.2 | -174.3 | 143.2 |           |      |       |     |      |        |        |       |
| FR1 N2  | Ant4 | Cheek | 0mm | 172  | -329.1 | -173.2 |       |           |      |       |     |      |        |        |       |
| LTE B2  | Ant0 | Right | 0mm | 38.8 | -228.1 | -167.4 | 167.3 |           |      |       |     |      |        |        |       |
| FR1 N2  | Ant4 | Cheek | 0mm | 172  | -329.1 | -173.2 |       |           |      |       |     |      |        |        |       |
| LTE B4  | Ant0 | Right | 0mm | 45.2 | -232.5 | -181   | 159.6 |           |      |       |     |      |        |        |       |



|           |      |       |     |      |        |        |       |
|-----------|------|-------|-----|------|--------|--------|-------|
| FR1 N2    | Ant4 | Cheek | 0mm | 172  | -329.1 | -173.2 |       |
| LTE B5    | Ant0 | Right | 0mm | 58.8 | -228.1 | -170.4 | 151.7 |
| FR1 N2    | Ant4 | Cheek | 0mm | 172  | -329.1 | -173.2 |       |
| LTE B66   | Ant0 | Right | 0mm | 46.2 | -258.3 | -167.9 | 144.5 |
| FR1 N2    | Ant4 | Cheek | 0mm | 172  | -329.1 | -173.2 |       |
| LTE B26   | Ant0 | Right | 0mm | 56.1 | -238.9 | -175.3 | 146.9 |
| FR1 N2    | Ant4 | Cheek | 0mm | 172  | -329.1 | -173.2 |       |
| LTE B71   | Ant0 | Right | 0mm | 43.2 | -247.1 | -169.2 | 152.7 |
| FR1 N2    | Ant4 | Cheek | 0mm | 172  | -329.1 | -173.2 |       |
| LTE B12   | Ant0 | Right | 0mm | 56.2 | -255.9 | -175.3 | 79.1  |
| BT        | Ant6 | Cheek | 0mm | 11.4 | -321.1 | -174.5 |       |
| LTE B13   | Ant0 | Right | 0mm | 58.1 | -270.1 | -172.3 | 69.2  |
| BT        | Ant6 | Cheek | 0mm | 11.4 | -321.1 | -174.5 |       |
| LTE B14   | Ant0 | Right | 0mm | 51.9 | -251.2 | -174.3 | 80.8  |
| BT        | Ant6 | Cheek | 0mm | 11.4 | -321.1 | -174.5 |       |
| LTE B2    | Ant0 | Right | 0mm | 38.8 | -228.1 | -167.4 | 97.2  |
| BT        | Ant6 | Cheek | 0mm | 11.4 | -321.1 | -174.5 |       |
| LTE B4    | Ant0 | Right | 0mm | 45.2 | -232.5 | -181   | 95.1  |
| BT        | Ant6 | Cheek | 0mm | 11.4 | -321.1 | -174.5 |       |
| LTE B5    | Ant0 | Right | 0mm | 58.8 | -228.1 | -170.4 | 104.5 |
| BT        | Ant6 | Cheek | 0mm | 11.4 | -321.1 | -174.5 |       |
| LTE B66   | Ant0 | Right | 0mm | 46.2 | -258.3 | -167.9 | 72.1  |
| BT        | Ant6 | Cheek | 0mm | 11.4 | -321.1 | -174.5 |       |
| LTE B26   | Ant0 | Right | 0mm | 56.1 | -238.9 | -175.3 | 93.6  |
| BT        | Ant6 | Cheek | 0mm | 11.4 | -321.1 | -174.5 |       |
| LTE B71   | Ant0 | Right | 0mm | 43.2 | -247.1 | -169.2 | 80.7  |
| BT        | Ant6 | Cheek | 0mm | 11.4 | -321.1 | -174.5 |       |
| LTE B12   | Ant0 | Right | 0mm | 56.2 | -255.9 | -175.3 | 70.5  |
| WIFI 2.4G | Ant6 | Cheek | 0mm | 11.9 | -310.7 | -173.7 |       |
| LTE B13   | Ant0 | Right | 0mm | 58.1 | -270.1 | -172.3 | 61.5  |
| WIFI 2.4G | Ant6 | Cheek | 0mm | 11.9 | -310.7 | -173.7 |       |
| LTE B14   | Ant0 | Right | 0mm | 51.9 | -251.2 | -174.3 | 71.7  |
| WIFI 2.4G | Ant6 | Cheek | 0mm | 11.9 | -310.7 | -173.7 |       |
| LTE B2    | Ant0 | Right | 0mm | 38.8 | -228.1 | -167.4 | 87.1  |
| WIFI 2.4G | Ant6 | Cheek | 0mm | 11.9 | -310.7 | -173.7 |       |
| LTE B4    | Ant0 | Right | 0mm | 45.2 | -232.5 | -181   | 85.3  |
| WIFI 2.4G | Ant6 | Cheek | 0mm | 11.9 | -310.7 | -173.7 |       |
| LTE B5    | Ant0 | Right | 0mm | 58.8 | -228.1 | -170.4 | 95.0  |
| WIFI 2.4G | Ant6 | Cheek | 0mm | 11.9 | -310.7 | -173.7 |       |
| LTE B66   | Ant0 | Right | 0mm | 46.2 | -258.3 | -167.9 | 62.9  |
| WIFI 2.4G | Ant6 | Cheek | 0mm | 11.9 | -310.7 | -173.7 |       |
| LTE B26   | Ant0 | Right | 0mm | 56.1 | -238.9 | -175.3 | 84.3  |
| WIFI 2.4G | Ant6 | Cheek | 0mm | 11.9 | -310.7 | -173.7 |       |
| LTE B71   | Ant0 | Right | 0mm | 43.2 | -247.1 | -169.2 | 71.0  |
| WIFI 2.4G | Ant6 | Cheek | 0mm | 11.9 | -310.7 | -173.7 |       |

Note: According to the above tables the minimum distance is as follows:

| Simultaneous | Position    | minimum 3D distance (mm) |
|--------------|-------------|--------------------------|
| WWAN+WLAN/BT | Right Cheek | 61.5                     |



Right Tilted

| Band    | Ant  | Position     | Gap (mm) | SAR peak location (mm) |        |        | 3D distance (mm) | Band      | Ant  | Position     | Gap (mm) | SAR peak location (mm) |        |        | 3D distance (mm) |
|---------|------|--------------|----------|------------------------|--------|--------|------------------|-----------|------|--------------|----------|------------------------|--------|--------|------------------|
|         |      |              |          | X                      | Y      | Z      |                  |           |      |              |          | X                      | Y      | Z      |                  |
| LTE B12 | Ant4 | Right Tilted | 0mm      | 14.5                   | -317.3 | -170.2 | 92.5             | FR1 N30   | Ant1 | Right Tilted | 0mm      | 38.8                   | -228.1 | -167.4 | 91.8             |
| FR1 N30 | Ant1 |              | 0mm      | 38.8                   | -228.1 | -167.4 |                  | WIFI 5G   | Ant6 |              | 0mm      | 14.1                   | -316.4 | -171.2 |                  |
| LTE B14 | Ant4 | Right Tilted | 0mm      | 11.3                   | -308.2 | -169.5 | 84.7             | FR1 N41   | Ant1 | Right Tilted | 0mm      | 33.2                   | -235.6 | -171.2 | 83.0             |
| FR1 N30 | Ant1 |              | 0mm      | 38.8                   | -228.1 | -167.4 |                  | WIFI 5G   | Ant6 |              | 0mm      | 14.1                   | -316.4 | -171.2 |                  |
| LTE B25 | Ant4 | Right Tilted | 0mm      | 13.5                   | -332.1 | -173.8 | 107.2            | FR1 N7    | Ant1 | Right Tilted | 0mm      | 31.2                   | -237.1 | -174.1 | 81.2             |
| FR1 N30 | Ant1 |              | 0mm      | 38.8                   | -228.1 | -167.4 |                  | WIFI 5G   | Ant6 |              | 0mm      | 14.1                   | -316.4 | -171.2 |                  |
| LTE B26 | Ant4 | Right Tilted | 0mm      | 18.2                   | -308.7 | -166.2 | 83.2             | LTE B12   | Ant1 | Right Tilted | 0mm      | 14.5                   | -317.3 | -170.2 | 82.0             |
| FR1 N30 | Ant1 |              | 0mm      | 38.8                   | -228.1 | -167.4 |                  | FR1 N7    | Ant6 |              | 0mm      | 31.2                   | -237.1 | -174.1 |                  |
| LTE B2  | Ant4 | Right Tilted | 0mm      | 15.2                   | -309.2 | -169.2 | 84.5             | LTE B14   | Ant1 | Right Tilted | 0mm      | 11.3                   | -308.2 | -169.5 | 74.0             |
| FR1 N30 | Ant1 |              | 0mm      | 38.8                   | -228.1 | -167.4 |                  | FR1 N7    | Ant6 |              | 0mm      | 31.2                   | -237.1 | -174.1 |                  |
| LTE B4  | Ant4 | Right Tilted | 0mm      | 11.8                   | -302.2 | -169.1 | 78.9             | LTE B25   | Ant1 | Right Tilted | 0mm      | 13.5                   | -332.1 | -173.8 | 96.6             |
| FR1 N30 | Ant1 |              | 0mm      | 38.8                   | -228.1 | -167.4 |                  | FR1 N7    | Ant6 |              | 0mm      | 31.2                   | -237.1 | -174.1 |                  |
| LTE B5  | Ant4 | Right Tilted | 0mm      | 14.6                   | -321.3 | -174.3 | 96.5             | LTE B26   | Ant1 | Right Tilted | 0mm      | 18.2                   | -308.7 | -166.2 | 73.2             |
| FR1 N30 | Ant1 |              | 0mm      | 38.8                   | -228.1 | -167.4 |                  | FR1 N7    | Ant6 |              | 0mm      | 31.2                   | -237.1 | -174.1 |                  |
| LTE B66 | Ant4 | Right Tilted | 0mm      | 12.8                   | -322.6 | -169.7 | 98.0             | LTE B2    | Ant1 | Right Tilted | 0mm      | 15.2                   | -309.2 | -169.2 | 74.0             |
| FR1 N30 | Ant1 |              | 0mm      | 38.8                   | -228.1 | -167.4 |                  | FR1 N7    | Ant6 |              | 0mm      | 31.2                   | -237.1 | -174.1 |                  |
| LTE B71 | Ant4 | Right Tilted | 0mm      | 14.2                   | -331.4 | -170.1 | 106.2            | LTE B4    | Ant1 | Right Tilted | 0mm      | 11.8                   | -302.2 | -169.1 | 68.1             |
| FR1 N30 | Ant1 |              | 0mm      | 38.8                   | -228.1 | -167.4 |                  | FR1 N7    | Ant6 |              | 0mm      | 31.2                   | -237.1 | -174.1 |                  |
| LTE B12 | Ant4 | Right Tilted | 0mm      | 14.5                   | -317.3 | -170.2 | 83.8             | LTE B5    | Ant1 | Right Tilted | 0mm      | 14.6                   | -321.3 | -174.3 | 85.8             |
| FR1 N41 | Ant1 |              | 0mm      | 33.2                   | -235.6 | -171.2 |                  | FR1 N7    | Ant6 |              | 0mm      | 31.2                   | -237.1 | -174.1 |                  |
| LTE B14 | Ant4 | Right Tilted | 0mm      | 11.3                   | -308.2 | -169.5 | 75.9             | LTE B66   | Ant1 | Right Tilted | 0mm      | 12.8                   | -322.6 | -169.7 | 87.6             |
| FR1 N41 | Ant1 |              | 0mm      | 33.2                   | -235.6 | -171.2 |                  | FR1 N7    | Ant6 |              | 0mm      | 31.2                   | -237.1 | -174.1 |                  |
| LTE B25 | Ant4 | Right Tilted | 0mm      | 13.5                   | -332.1 | -173.8 | 98.5             | LTE B71   | Ant1 | Right Tilted | 0mm      | 14.2                   | -331.4 | -170.1 | 95.9             |
| FR1 N41 | Ant1 |              | 0mm      | 33.2                   | -235.6 | -171.2 |                  | FR1 N7    | Ant6 |              | 0mm      | 31.2                   | -237.1 | -174.1 |                  |
| LTE B26 | Ant4 | Right Tilted | 0mm      | 18.2                   | -308.7 | -166.2 | 74.8             | FR1 N30   | Ant1 | Right Tilted | 0mm      | 38.8                   | -228.1 | -167.4 | 94.8             |
| FR1 N41 | Ant1 |              | 0mm      | 33.2                   | -235.6 | -171.2 |                  | BT        | Ant6 |              | 0mm      | 14.2                   | -319.5 | -172.3 |                  |
| LTE B2  | Ant4 | Right Tilted | 0mm      | 15.2                   | -309.2 | -169.2 | 75.8             | FR1 N41   | Ant1 | Right Tilted | 0mm      | 33.2                   | -235.6 | -171.2 | 86.0             |
| FR1 N41 | Ant1 |              | 0mm      | 33.2                   | -235.6 | -171.2 |                  | BT        | Ant6 |              | 0mm      | 14.2                   | -319.5 | -172.3 |                  |
| LTE B4  | Ant4 | Right Tilted | 0mm      | 11.8                   | -302.2 | -169.1 | 70.0             | FR1 N7    | Ant1 | Right Tilted | 0mm      | 31.2                   | -237.1 | -174.1 | 84.2             |
| FR1 N41 | Ant1 |              | 0mm      | 33.2                   | -235.6 | -171.2 |                  | BT        | Ant6 |              | 0mm      | 14.2                   | -319.5 | -172.3 |                  |
| LTE B5  | Ant4 | Right Tilted | 0mm      | 14.6                   | -321.3 | -174.3 | 87.7             | FR1 N30   | Ant1 | Right Tilted | 0mm      | 38.8                   | -228.1 | -167.4 | 99.1             |
| FR1 N41 | Ant1 |              | 0mm      | 33.2                   | -235.6 | -171.2 |                  | WIFI 2.4G | Ant6 |              | 0mm      | 13.3                   | -323.8 | -169.4 |                  |
| LTE B66 | Ant4 | Right Tilted | 0mm      | 12.8                   | -322.6 | -169.7 | 89.4             | FR1 N41   | Ant1 | Right Tilted | 0mm      | 33.2                   | -235.6 | -171.2 | 90.4             |
| FR1 N41 | Ant1 |              | 0mm      | 33.2                   | -235.6 | -171.2 |                  | WIFI 2.4G | Ant6 |              | 0mm      | 13.3                   | -323.8 | -169.4 |                  |
| LTE B71 | Ant4 | Right Tilted | 0mm      | 14.2                   | -331.4 | -170.1 | 97.7             | FR1 N7    | Ant1 | Right Tilted | 0mm      | 31.2                   | -237.1 | -174.1 | 88.7             |
| FR1 N41 | Ant1 |              | 0mm      | 33.2                   | -235.6 | -171.2 |                  | WIFI 2.4G | Ant6 |              | 0mm      | 13.3                   | -323.8 | -169.4 |                  |

Note: According to the above tables the minimum distance is as follows:

| Simultaneous | Position     | minimum 3D distance (mm) |
|--------------|--------------|--------------------------|
| WWAN+WLAN/BT | Right Tilted | 68.1                     |



Left Cheek

| Band    | Ant  | Position   | Gap (mm) | SAR peak location (mm) |       |        | 3D distance (mm) | Band      | Ant  | Position   | Gap (mm) | SAR peak location (mm) |       |        | 3D distance (mm) |
|---------|------|------------|----------|------------------------|-------|--------|------------------|-----------|------|------------|----------|------------------------|-------|--------|------------------|
|         |      |            |          | X                      | Y     | Z      |                  |           |      |            |          | X                      | Y     | Z      |                  |
| LTE B12 | Ant4 | Left Cheek | 0mm      | 12.5                   | 275.3 | -172.5 | 72.9             | FR1 N30   | Ant1 | Left Cheek | 0mm      | 81                     | 250.4 | -174.7 | 96.3             |
| FR1 N30 | Ant1 |            | 0mm      | 81                     | 250.4 | -174.7 |                  | BT        | Ant6 |            | 0mm      | 28.7                   | 331.3 | -174.7 |                  |
| LTE B14 | Ant4 | Left Cheek | 0mm      | 15.1                   | 255.1 | -173.5 | 66.1             | FR1 N41   | Ant1 | Left Cheek | 0mm      | 78.2                   | 249.2 | -171.4 | 95.9             |
| FR1 N30 | Ant1 |            | 0mm      | 81                     | 250.4 | -174.7 |                  | BT        | Ant6 |            | 0mm      | 28.7                   | 331.3 | -174.7 |                  |
| LTE B25 | Ant4 | Left Cheek | 0mm      | 18.2                   | 269.4 | -170.2 | 65.8             | FR1 N7    | Ant1 | Left Cheek | 0mm      | 75.9                   | 245.2 | -172.9 | 98.2             |
| FR1 N30 | Ant1 |            | 0mm      | 81                     | 250.4 | -174.7 |                  | BT        | Ant6 |            | 0mm      | 28.7                   | 331.3 | -174.7 |                  |
| LTE B26 | Ant4 | Left Cheek | 0mm      | 16.2                   | 261.9 | -177.3 | 65.9             | FR1 N30   | Ant1 | Left Cheek | 0mm      | 81                     | 250.4 | -174.7 | 98.8             |
| FR1 N30 | Ant1 |            | 0mm      | 81                     | 250.4 | -174.7 |                  | WIFI 2.4G | Ant6 |            | 0mm      | 21.7                   | 329.3 | -171.2 |                  |
| LTE B2  | Ant4 | Left Cheek | 0mm      | 18.2                   | 269.4 | -170.2 | 65.8             | FR1 N41   | Ant1 | Left Cheek | 0mm      | 78.2                   | 249.2 | -171.4 | 98.0             |
| FR1 N30 | Ant1 |            | 0mm      | 81                     | 250.4 | -174.7 |                  | WIFI 2.4G | Ant6 |            | 0mm      | 21.7                   | 329.3 | -171.2 |                  |
| LTE B4  | Ant4 | Left Cheek | 0mm      | 17.3                   | 265.7 | -173.4 | 65.5             | FR1 N7    | Ant1 | Left Cheek | 0mm      | 75.9                   | 245.2 | -172.9 | 100.1            |
| FR1 N30 | Ant1 |            | 0mm      | 81                     | 250.4 | -174.7 |                  | WIFI 2.4G | Ant6 |            | 0mm      | 21.7                   | 329.3 | -171.2 |                  |
| LTE B5  | Ant4 | Left Cheek | 0mm      | 16.2                   | 261.9 | -177.3 | 65.9             | FR1 N30   | Ant1 | Left Cheek | 0mm      | 81                     | 250.4 | -174.7 | 98.3             |
| FR1 N30 | Ant1 |            | 0mm      | 81                     | 250.4 | -174.7 |                  | WIFI 5G   | Ant6 |            | 0mm      | 16.3                   | 324.4 | -173.8 |                  |
| LTE B66 | Ant4 | Left Cheek | 0mm      | 14.9                   | 252.8 | -175.3 | 66.1             | FR1 N41   | Ant1 | Left Cheek | 0mm      | 78.2                   | 249.2 | -171.4 | 97.4             |
| FR1 N30 | Ant1 |            | 0mm      | 81                     | 250.4 | -174.7 |                  | WIFI 5G   | Ant6 |            | 0mm      | 16.3                   | 324.4 | -173.8 |                  |
| LTE B71 | Ant4 | Left Cheek | 0mm      | 10.2                   | 242.3 | -181.5 | 71.6             | FR1 N7    | Ant1 | Left Cheek | 0mm      | 75.9                   | 245.2 | -172.9 | 99.1             |
| FR1 N30 | Ant1 |            | 0mm      | 81                     | 250.4 | -174.7 |                  | WIFI 5G   | Ant6 |            | 0mm      | 16.3                   | 324.4 | -173.8 |                  |
| LTE B12 | Ant4 | Left Cheek | 0mm      | 12.5                   | 275.3 | -172.5 | 70.7             | LTE B12   | Ant0 | Left Cheek | 0mm      | 75.3                   | 237   | -171.8 | 105.2            |
| FR1 N41 | Ant1 |            | 0mm      | 78.2                   | 249.2 | -171.4 |                  | BT        | Ant6 |            | 0mm      | 28.7                   | 331.3 | -174.7 |                  |
| LTE B14 | Ant4 | Left Cheek | 0mm      | 15.1                   | 255.1 | -173.5 | 63.4             | LTE B13   | Ant0 | Left Cheek | 0mm      | 77.2                   | 216   | -174.2 | 125.1            |
| FR1 N41 | Ant1 |            | 0mm      | 78.2                   | 249.2 | -171.4 |                  | BT        | Ant6 |            | 0mm      | 28.7                   | 331.3 | -174.7 |                  |
| LTE B25 | Ant4 | Left Cheek | 0mm      | 18.2                   | 269.4 | -170.2 | 63.3             | LTE B14   | Ant0 | Left Cheek | 0mm      | 75.3                   | 223   | -175.3 | 117.9            |
| FR1 N41 | Ant1 |            | 0mm      | 78.2                   | 249.2 | -171.4 |                  | BT        | Ant6 |            | 0mm      | 28.7                   | 331.3 | -174.7 |                  |
| LTE B26 | Ant4 | Left Cheek | 0mm      | 16.2                   | 261.9 | -177.3 | 63.6             | LTE B25   | Ant0 | Left Cheek | 0mm      | 65.7                   | 216   | -168.2 | 121.3            |
| FR1 N41 | Ant1 |            | 0mm      | 78.2                   | 249.2 | -171.4 |                  | BT        | Ant6 |            | 0mm      | 28.7                   | 331.3 | -174.7 |                  |
| LTE B2  | Ant4 | Left Cheek | 0mm      | 18.2                   | 269.4 | -170.2 | 63.3             | LTE B26   | Ant0 | Left Cheek | 0mm      | 76.5                   | 241   | -175.3 | 102.2            |
| FR1 N41 | Ant1 |            | 0mm      | 78.2                   | 249.2 | -171.4 |                  | BT        | Ant6 |            | 0mm      | 28.7                   | 331.3 | -174.7 |                  |
| LTE B4  | Ant4 | Left Cheek | 0mm      | 17.3                   | 265.7 | -173.4 | 63.1             | LTE B2    | Ant0 | Left Cheek | 0mm      | 81                     | 228   | -173.8 | 115.8            |
| FR1 N41 | Ant1 |            | 0mm      | 78.2                   | 249.2 | -171.4 |                  | BT        | Ant6 |            | 0mm      | 28.7                   | 331.3 | -174.7 |                  |
| LTE B5  | Ant4 | Left Cheek | 0mm      | 16.2                   | 261.9 | -177.3 | 63.6             | LTE B4    | Ant0 | Left Cheek | 0mm      | 72.3                   | 203   | -170.2 | 135.6            |
| FR1 N41 | Ant1 |            | 0mm      | 78.2                   | 249.2 | -171.4 |                  | BT        | Ant6 |            | 0mm      | 28.7                   | 331.3 | -174.7 |                  |
| LTE B66 | Ant4 | Left Cheek | 0mm      | 14.9                   | 252.8 | -175.3 | 63.5             | LTE B5    | Ant0 | Left Cheek | 0mm      | 81.5                   | 273   | -173.2 | 78.7             |
| FR1 N41 | Ant1 |            | 0mm      | 78.2                   | 249.2 | -171.4 |                  | BT        | Ant6 |            | 0mm      | 28.7                   | 331.3 | -174.7 |                  |
| LTE B71 | Ant4 | Left Cheek | 0mm      | 10.2                   | 242.3 | -181.5 | 69.1             | LTE B66   | Ant0 | Left Cheek | 0mm      | 69.7                   | 223   | -168.2 | 116.0            |
| FR1 N41 | Ant1 |            | 0mm      | 78.2                   | 249.2 | -171.4 |                  | BT        | Ant6 |            | 0mm      | 28.7                   | 331.3 | -174.7 |                  |
| LTE B12 | Ant4 | Left Cheek | 0mm      | 12.5                   | 275.3 | -172.5 | 70.2             | LTE B71   | Ant0 | Left Cheek | 0mm      | 73.2                   | 238   | -171.1 | 103.4            |
| FR1 N7  | Ant1 |            | 0mm      | 75.9                   | 245.2 | -172.9 |                  | BT        | Ant6 |            | 0mm      | 28.7                   | 331.3 | -174.7 |                  |
| LTE B14 | Ant4 | Left Cheek | 0mm      | 15.1                   | 255.1 | -173.5 | 61.6             | LTE B12   | Ant0 | Left Cheek | 0mm      | 75.3                   | 237   | -171.8 | 106.7            |
| FR1 N7  | Ant1 |            | 0mm      | 75.9                   | 245.2 | -172.9 |                  | WIFI 2.4G | Ant6 |            | 0mm      | 21.7                   | 329.3 | -171.2 |                  |
| LTE B25 | Ant4 | Left Cheek | 0mm      | 18.2                   | 269.4 | -170.2 | 62.6             | LTE B13   | Ant0 | Left Cheek | 0mm      | 77.2                   | 216   | -174.2 | 126.2            |
| FR1 N7  | Ant1 |            | 0mm      | 75.9                   | 245.2 | -172.9 |                  | WIFI 2.4G | Ant6 |            | 0mm      | 21.7                   | 329.3 | -171.2 |                  |
| LTE B26 | Ant4 | Left Cheek | 0mm      | 16.2                   | 261.9 | -177.3 | 62.1             | LTE B14   | Ant0 | Left Cheek | 0mm      | 75.3                   | 223   | -175.3 | 119.1            |
| FR1 N7  | Ant1 |            | 0mm      | 75.9                   | 245.2 | -172.9 |                  | WIFI 2.4G | Ant6 |            | 0mm      | 21.7                   | 329.3 | -171.2 |                  |
| LTE B2  | Ant4 | Left Cheek | 0mm      | 18.2                   | 269.4 | -170.2 | 62.6             | LTE B25   | Ant0 | Left Cheek | 0mm      | 65.7                   | 216   | -168.2 | 121.6            |
| FR1 N7  | Ant1 |            | 0mm      | 75.9                   | 245.2 | -172.9 |                  | WIFI 2.4G | Ant6 |            | 0mm      | 21.7                   | 329.3 | -171.2 |                  |
| LTE B4  | Ant4 | Left Cheek | 0mm      | 17.3                   | 265.7 | -173.4 | 62.1             | LTE B26   | Ant0 | Left Cheek | 0mm      | 76.5                   | 241   | -175.3 | 104.0            |
| FR1 N7  | Ant1 |            | 0mm      | 75.9                   | 245.2 | -172.9 |                  | WIFI 2.4G | Ant6 |            | 0mm      | 21.7                   | 329.3 | -171.2 |                  |
| LTE B5  | Ant4 | Left Cheek | 0mm      | 16.2                   | 261.9 | -177.3 | 62.1             | LTE B2    | Ant0 | Left Cheek | 0mm      | 81                     | 228   | -173.8 | 117.4            |
| FR1 N7  | Ant1 |            | 0mm      | 75.9                   | 245.2 | -172.9 |                  | WIFI      | Ant6 |            | 0mm      | 21.7                   | 329.3 | -171.2 |                  |





|         |      |            |     |      |       |        | 2.4G  |           |      |            |     |      |       |        |       |
|---------|------|------------|-----|------|-------|--------|-------|-----------|------|------------|-----|------|-------|--------|-------|
| LTE B66 | Ant4 | Left Cheek | 0mm | 14.9 | 252.8 | -175.3 | 61.5  | LTE B4    | Ant0 | Left Cheek | 0mm | 72.3 | 203   | -170.2 | 136.1 |
| FR1 N7  | Ant1 |            | 0mm | 75.9 | 245.2 | -172.9 |       | WIFI 2.4G | Ant6 |            | 0mm | 21.7 | 329.3 | -171.2 |       |
| LTE B71 | Ant4 | Left Cheek | 0mm | 10.2 | 242.3 | -181.5 | 66.3  | LTE B5    | Ant0 | Left Cheek | 0mm | 81.5 | 273   | -173.2 | 82.2  |
| FR1 N7  | Ant1 |            | 0mm | 75.9 | 245.2 | -172.9 |       | WIFI 2.4G | Ant6 |            | 0mm | 21.7 | 329.3 | -171.2 |       |
| LTE B12 | Ant5 | Left Cheek | 0mm | 75.3 | 237   | -171.8 | 109.7 | LTE B66   | Ant0 | Left Cheek | 0mm | 69.7 | 223   | -168.2 | 116.7 |
| FR1 N77 | Ant0 |            | 0mm | 9.8  | 325   | -173.8 |       | WIFI 2.4G | Ant6 |            | 0mm | 21.7 | 329.3 | -171.2 |       |
| LTE B13 | Ant5 | Left Cheek | 0mm | 77.2 | 216   | -174.2 | 128.2 | LTE B71   | Ant0 | Left Cheek | 0mm | 73.2 | 238   | -171.1 | 104.8 |
| FR1 N77 | Ant0 |            | 0mm | 9.8  | 325   | -173.8 |       | WIFI 2.4G | Ant6 |            | 0mm | 21.7 | 329.3 | -171.2 |       |
| LTE B14 | Ant5 | Left Cheek | 0mm | 75.3 | 223   | -175.3 | 121.2 | LTE B12   | Ant0 | Left Cheek | 0mm | 75.3 | 237   | -171.8 | 105.5 |
| FR1 N77 | Ant0 |            | 0mm | 9.8  | 325   | -173.8 |       | WIFI 5G   | Ant6 |            | 0mm | 16.3 | 324.4 | -173.8 |       |
| LTE B25 | Ant5 | Left Cheek | 0mm | 65.7 | 216   | -168.2 | 122.6 | LTE B13   | Ant0 | Left Cheek | 0mm | 77.2 | 216   | -174.2 | 124.3 |
| FR1 N77 | Ant0 |            | 0mm | 9.8  | 325   | -173.8 |       | WIFI 5G   | Ant6 |            | 0mm | 16.3 | 324.4 | -173.8 |       |
| LTE B26 | Ant5 | Left Cheek | 0mm | 76.5 | 241   | -175.3 | 107.3 | LTE B14   | Ant0 | Left Cheek | 0mm | 75.3 | 223   | -175.3 | 117.3 |
| FR1 N77 | Ant0 |            | 0mm | 9.8  | 325   | -173.8 |       | WIFI 5G   | Ant6 |            | 0mm | 16.3 | 324.4 | -173.8 |       |
| LTE B2  | Ant5 | Left Cheek | 0mm | 81   | 228   | -173.8 | 120.3 | LTE B25   | Ant0 | Left Cheek | 0mm | 65.7 | 216   | -168.2 | 119.3 |
| FR1 N77 | Ant0 |            | 0mm | 9.8  | 325   | -173.8 |       | WIFI 5G   | Ant6 |            | 0mm | 16.3 | 324.4 | -173.8 |       |
| LTE B4  | Ant5 | Left Cheek | 0mm | 72.3 | 203   | -170.2 | 137.1 | LTE B26   | Ant0 | Left Cheek | 0mm | 76.5 | 241   | -175.3 | 102.9 |
| FR1 N77 | Ant0 |            | 0mm | 9.8  | 325   | -173.8 |       | WIFI 5G   | Ant6 |            | 0mm | 16.3 | 324.4 | -173.8 |       |
| LTE B5  | Ant5 | Left Cheek | 0mm | 81.5 | 273   | -173.2 | 88.6  | LTE B2    | Ant0 | Left Cheek | 0mm | 81   | 228   | -173.8 | 116.1 |
| FR1 N77 | Ant0 |            | 0mm | 9.8  | 325   | -173.8 |       | WIFI 5G   | Ant6 |            | 0mm | 16.3 | 324.4 | -173.8 |       |
| LTE B66 | Ant5 | Left Cheek | 0mm | 69.7 | 223   | -168.2 | 118.4 | LTE B4    | Ant0 | Left Cheek | 0mm | 72.3 | 203   | -170.2 | 133.7 |
| FR1 N77 | Ant0 |            | 0mm | 9.8  | 325   | -173.8 |       | WIFI 5G   | Ant6 |            | 0mm | 16.3 | 324.4 | -173.8 |       |
| LTE B71 | Ant5 | Left Cheek | 0mm | 73.2 | 238   | -171.1 | 107.7 | LTE B5    | Ant0 | Left Cheek | 0mm | 81.5 | 273   | -173.2 | 83.0  |
| FR1 N77 | Ant0 |            | 0mm | 9.8  | 325   | -173.8 |       | WIFI 5G   | Ant6 |            | 0mm | 16.3 | 324.4 | -173.8 |       |
| LTE B12 | Ant5 | Left Cheek | 0mm | 75.3 | 237   | -171.8 | 100.1 | LTE B66   | Ant0 | Left Cheek | 0mm | 69.7 | 223   | -168.2 | 114.7 |
| FR1 N78 | Ant0 |            | 0mm | 12.3 | 313.6 | -158.6 |       | WIFI 5G   | Ant6 |            | 0mm | 16.3 | 324.4 | -173.8 |       |
| LTE B13 | Ant5 | Left Cheek | 0mm | 77.2 | 216   | -174.2 | 118.2 | LTE B71   | Ant0 | Left Cheek | 0mm | 73.2 | 238   | -171.1 | 103.5 |
| FR1 N78 | Ant0 |            | 0mm | 12.3 | 313.6 | -158.6 |       | WIFI 5G   | Ant6 |            | 0mm | 16.3 | 324.4 | -173.8 |       |
| LTE B14 | Ant5 | Left Cheek | 0mm | 75.3 | 223   | -175.3 | 111.6 | LTE B12   | Ant0 | Left Cheek | 0mm | 75.3 | 237   | -171.8 | 105.2 |
| FR1 N78 | Ant0 |            | 0mm | 12.3 | 313.6 | -158.6 |       | BT        | Ant6 |            | 0mm | 28.7 | 331.3 | -174.7 |       |
| LTE B25 | Ant5 | Left Cheek | 0mm | 65.7 | 216   | -168.2 | 111.7 | LTE B13   | Ant0 | Left Cheek | 0mm | 77.2 | 216   | -174.2 | 125.1 |
| FR1 N78 | Ant0 |            | 0mm | 12.3 | 313.6 | -158.6 |       | BT        | Ant6 |            | 0mm | 28.7 | 331.3 | -174.7 |       |
| LTE B26 | Ant5 | Left Cheek | 0mm | 76.5 | 241   | -175.3 | 98.3  | LTE B14   | Ant0 | Left Cheek | 0mm | 75.3 | 223   | -175.3 | 117.9 |
| FR1 N78 | Ant0 |            | 0mm | 12.3 | 313.6 | -158.6 |       | BT        | Ant6 |            | 0mm | 28.7 | 331.3 | -174.7 |       |
| LTE B2  | Ant5 | Left Cheek | 0mm | 81   | 228   | -173.8 | 110.8 | LTE B26   | Ant0 | Left Cheek | 0mm | 76.5 | 241   | -175.3 | 102.2 |
| FR1 N78 | Ant0 |            | 0mm | 12.3 | 313.6 | -158.6 |       | BT        | Ant6 |            | 0mm | 28.7 | 331.3 | -174.7 |       |
| LTE B4  | Ant5 | Left Cheek | 0mm | 72.3 | 203   | -170.2 | 126.4 | LTE B2    | Ant0 | Left Cheek | 0mm | 81   | 228   | -173.8 | 115.8 |
| FR1 N78 | Ant0 |            | 0mm | 12.3 | 313.6 | -158.6 |       | BT        | Ant6 |            | 0mm | 28.7 | 331.3 | -174.7 |       |
| LTE B5  | Ant5 | Left Cheek | 0mm | 81.5 | 273   | -173.2 | 81.5  | LTE B4    | Ant0 | Left Cheek | 0mm | 72.3 | 203   | -170.2 | 135.6 |
| FR1 N78 | Ant0 |            | 0mm | 12.3 | 313.6 | -158.6 |       | BT        | Ant6 |            | 0mm | 28.7 | 331.3 | -174.7 |       |
| LTE B66 | Ant5 | Left Cheek | 0mm | 69.7 | 223   | -168.2 | 107.7 | LTE B5    | Ant0 | Left Cheek | 0mm | 81.5 | 273   | -173.2 | 78.7  |
| FR1 N78 | Ant0 |            | 0mm | 12.3 | 313.6 | -158.6 |       | BT        | Ant6 |            | 0mm | 28.7 | 331.3 | -174.7 |       |
| LTE B71 | Ant5 | Left Cheek | 0mm | 73.2 | 238   | -171.1 | 97.9  | LTE B66   | Ant0 | Left Cheek | 0mm | 69.7 | 223   | -168.2 | 116.0 |
| FR1 N78 | Ant0 |            | 0mm | 12.3 | 313.6 | -158.6 |       | BT        | Ant6 |            | 0mm | 28.7 | 331.3 | -174.7 |       |
| LTE B12 | Ant5 | Left Cheek | 0mm | 75.3 | 237   | -171.8 | 114.5 | LTE B71   | Ant0 | Left Cheek | 0mm | 73.2 | 238   | -171.1 | 103.4 |
| FR1 N48 | Ant0 |            | 0mm | 10.2 | 331.2 | -169.7 |       | BT        | Ant6 |            | 0mm | 28.7 | 331.3 | -174.7 |       |
| LTE B13 | Ant5 | Left Cheek | 0mm | 77.2 | 216   | -174.2 | 133.3 | LTE B12   | Ant0 | Left Cheek | 0mm | 75.3 | 237   | -171.8 | 106.7 |
| FR1 N48 | Ant0 |            | 0mm | 10.2 | 331.2 | -169.7 |       | WIFI 2.4G | Ant6 |            | 0mm | 21.7 | 329.3 | -171.2 |       |
| LTE B14 | Ant5 | Left Cheek | 0mm | 75.3 | 223   | -175.3 | 126.4 | LTE B13   | Ant0 | Left Cheek | 0mm | 77.2 | 216   | -174.2 | 126.2 |
| FR1 N48 | Ant0 |            | 0mm | 10.2 | 331.2 | -169.7 |       | WIFI 2.4G | Ant6 |            | 0mm | 21.7 | 329.3 | -171.2 |       |
| LTE B25 | Ant5 | Left Cheek | 0mm | 65.7 | 216   | -168.2 | 127.9 | LTE B14   | Ant0 | Left Cheek | 0mm | 75.3 | 223   | -175.3 | 119.1 |
| FR1 N48 | Ant0 |            | 0mm | 10.2 | 331.2 | -169.7 |       | WIFI 2.4G | Ant6 |            | 0mm | 21.7 | 329.3 | -171.2 |       |



|         |      |            |     |      |       |        |       |           |      |            |     |      |       |        |       |
|---------|------|------------|-----|------|-------|--------|-------|-----------|------|------------|-----|------|-------|--------|-------|
| LTE B26 | Ant5 | Left Cheek | 0mm | 76.5 | 241   | -175.3 | 112.1 | LTE B26   | Ant0 | Left Cheek | 0mm | 76.5 | 241   | -175.3 | 104.0 |
| FR1 N48 | Ant0 |            | 0mm | 10.2 | 331.2 | -169.7 |       | WIFI 2.4G | Ant6 |            | 0mm | 21.7 | 329.3 | -171.2 |       |
| LTE B2  | Ant5 | Left Cheek | 0mm | 81   | 228   | -173.8 | 125.2 | LTE B2    | Ant0 | Left Cheek | 0mm | 81   | 228   | -173.8 | 117.4 |
| FR1 N48 | Ant0 |            | 0mm | 10.2 | 331.2 | -169.7 |       | WIFI 2.4G | Ant6 |            | 0mm | 21.7 | 329.3 | -171.2 |       |
| LTE B4  | Ant5 | Left Cheek | 0mm | 72.3 | 203   | -170.2 | 142.4 | LTE B4    | Ant0 | Left Cheek | 0mm | 72.3 | 203   | -170.2 | 136.1 |
| FR1 N48 | Ant0 |            | 0mm | 10.2 | 331.2 | -169.7 |       | WIFI 2.4G | Ant6 |            | 0mm | 21.7 | 329.3 | -171.2 |       |
| LTE B5  | Ant5 | Left Cheek | 0mm | 81.5 | 273   | -173.2 | 92.1  | LTE B5    | Ant0 | Left Cheek | 0mm | 81.5 | 273   | -173.2 | 82.2  |
| FR1 N48 | Ant0 |            | 0mm | 10.2 | 331.2 | -169.7 |       | WIFI 2.4G | Ant6 |            | 0mm | 21.7 | 329.3 | -171.2 |       |
| LTE B66 | Ant5 | Left Cheek | 0mm | 69.7 | 223   | -168.2 | 123.5 | LTE B66   | Ant0 | Left Cheek | 0mm | 69.7 | 223   | -168.2 | 116.7 |
| FR1 N48 | Ant0 |            | 0mm | 10.2 | 331.2 | -169.7 |       | WIFI 2.4G | Ant6 |            | 0mm | 21.7 | 329.3 | -171.2 |       |
| LTE B71 | Ant5 | Left Cheek | 0mm | 73.2 | 238   | -171.1 | 112.5 | LTE B71   | Ant0 | Left Cheek | 0mm | 73.2 | 238   | -171.1 | 104.8 |
| FR1 N48 | Ant0 |            | 0mm | 10.2 | 331.2 | -169.7 |       | WIFI 2.4G | Ant6 |            | 0mm | 21.7 | 329.3 | -171.2 |       |
| LTE B12 | Ant0 | Left Cheek | 0mm | 75.3 | 237   | -171.8 | 73.6  | LTE B12   | Ant0 | Left Cheek | 0mm | 75.3 | 237   | -171.8 | 105.5 |
| FR1 N12 | Ant4 |            | 0mm | 12.5 | 275.3 | -172.4 |       | WIFI 5G   | Ant6 |            | 0mm | 16.3 | 324.4 | -173.8 |       |
| LTE B13 | Ant0 | Left Cheek | 0mm | 77.2 | 216   | -174.2 | 87.8  | LTE B13   | Ant0 | Left Cheek | 0mm | 77.2 | 216   | -174.2 | 124.3 |
| FR1 N12 | Ant4 |            | 0mm | 12.5 | 275.3 | -172.4 |       | WIFI 5G   | Ant6 |            | 0mm | 16.3 | 324.4 | -173.8 |       |
| LTE B14 | Ant0 | Left Cheek | 0mm | 75.3 | 223   | -175.3 | 81.8  | LTE B14   | Ant0 | Left Cheek | 0mm | 75.3 | 223   | -175.3 | 117.3 |
| FR1 N12 | Ant4 |            | 0mm | 12.5 | 275.3 | -172.4 |       | WIFI 5G   | Ant6 |            | 0mm | 16.3 | 324.4 | -173.8 |       |
| LTE B26 | Ant0 | Left Cheek | 0mm | 76.5 | 241   | -175.3 | 72.7  | LTE B26   | Ant0 | Left Cheek | 0mm | 76.5 | 241   | -175.3 | 102.9 |
| FR1 N12 | Ant4 |            | 0mm | 12.5 | 275.3 | -172.4 |       | WIFI 5G   | Ant6 |            | 0mm | 16.3 | 324.4 | -173.8 |       |
| LTE B2  | Ant0 | Left Cheek | 0mm | 81   | 228   | -173.8 | 83.3  | LTE B2    | Ant0 | Left Cheek | 0mm | 81   | 228   | -173.8 | 116.1 |
| FR1 N12 | Ant4 |            | 0mm | 12.5 | 275.3 | -172.4 |       | WIFI 5G   | Ant6 |            | 0mm | 16.3 | 324.4 | -173.8 |       |
| LTE B4  | Ant0 | Left Cheek | 0mm | 72.3 | 203   | -170.2 | 93.9  | LTE B4    | Ant0 | Left Cheek | 0mm | 72.3 | 203   | -170.2 | 133.7 |
| FR1 N12 | Ant4 |            | 0mm | 12.5 | 275.3 | -172.4 |       | WIFI 5G   | Ant6 |            | 0mm | 16.3 | 324.4 | -173.8 |       |
| LTE B5  | Ant0 | Left Cheek | 0mm | 81.5 | 273   | -173.2 | 69.0  | LTE B5    | Ant0 | Left Cheek | 0mm | 81.5 | 273   | -173.2 | 83.0  |
| FR1 N12 | Ant4 |            | 0mm | 12.5 | 275.3 | -172.4 |       | WIFI 5G   | Ant6 |            | 0mm | 16.3 | 324.4 | -173.8 |       |
| LTE B66 | Ant0 | Left Cheek | 0mm | 69.7 | 223   | -168.2 | 77.6  | LTE B66   | Ant0 | Left Cheek | 0mm | 69.7 | 223   | -168.2 | 114.7 |
| FR1 N12 | Ant4 |            | 0mm | 12.5 | 275.3 | -172.4 |       | WIFI 5G   | Ant6 |            | 0mm | 16.3 | 324.4 | -173.8 |       |
| LTE B71 | Ant0 | Left Cheek | 0mm | 73.2 | 238   | -171.1 | 71.3  | LTE B71   | Ant0 | Left Cheek | 0mm | 73.2 | 238   | -171.1 | 103.5 |
| FR1 N12 | Ant4 |            | 0mm | 12.5 | 275.3 | -172.4 |       | WIFI 5G   | Ant6 |            | 0mm | 16.3 | 324.4 | -173.8 |       |
| LTE B12 | Ant0 | Left Cheek | 0mm | 75.3 | 237   | -171.8 | 64.4  | LTE B12   | Ant0 | Left Cheek | 0mm | 75.3 | 237   | -171.8 | 66.0  |
| FR1 N5  | Ant4 |            | 0mm | 16.2 | 261.9 | -177.2 |       | FR1 N71   | Ant4 |            | 0mm | 10.2 | 241.3 | -181.5 |       |
| LTE B13 | Ant0 | Left Cheek | 0mm | 77.2 | 216   | -174.2 | 76.4  | LTE B13   | Ant0 | Left Cheek | 0mm | 77.2 | 216   | -174.2 | 72.0  |
| FR1 N5  | Ant4 |            | 0mm | 16.2 | 261.9 | -177.2 |       | FR1 N71   | Ant4 |            | 0mm | 10.2 | 241.3 | -181.5 |       |
| LTE B14 | Ant0 | Left Cheek | 0mm | 75.3 | 223   | -175.3 | 70.8  | LTE B14   | Ant0 | Left Cheek | 0mm | 75.3 | 223   | -175.3 | 67.9  |
| FR1 N5  | Ant4 |            | 0mm | 16.2 | 261.9 | -177.2 |       | FR1 N71   | Ant4 |            | 0mm | 10.2 | 241.3 | -181.5 |       |
| LTE B26 | Ant0 | Left Cheek | 0mm | 76.5 | 241   | -175.3 | 63.8  | LTE B26   | Ant0 | Left Cheek | 0mm | 76.5 | 241   | -175.3 | 66.6  |
| FR1 N5  | Ant4 |            | 0mm | 16.2 | 261.9 | -177.2 |       | FR1 N71   | Ant4 |            | 0mm | 10.2 | 241.3 | -181.5 |       |
| LTE B2  | Ant0 | Left Cheek | 0mm | 81   | 228   | -173.8 | 73.2  | LTE B2    | Ant0 | Left Cheek | 0mm | 81   | 228   | -173.8 | 72.4  |
| FR1 N5  | Ant4 |            | 0mm | 16.2 | 261.9 | -177.2 |       | FR1 N71   | Ant4 |            | 0mm | 10.2 | 241.3 | -181.5 |       |
| LTE B4  | Ant0 | Left Cheek | 0mm | 72.3 | 203   | -170.2 | 81.6  | LTE B4    | Ant0 | Left Cheek | 0mm | 72.3 | 203   | -170.2 | 73.8  |
| FR1 N5  | Ant4 |            | 0mm | 16.2 | 261.9 | -177.2 |       | FR1 N71   | Ant4 |            | 0mm | 10.2 | 241.3 | -181.5 |       |
| LTE B5  | Ant0 | Left Cheek | 0mm | 81.5 | 273   | -173.2 | 66.4  | LTE B5    | Ant0 | Left Cheek | 0mm | 81.5 | 273   | -173.2 | 78.5  |
| FR1 N5  | Ant4 |            | 0mm | 16.2 | 261.9 | -177.2 |       | FR1 N71   | Ant4 |            | 0mm | 10.2 | 241.3 | -181.5 |       |
| LTE B66 | Ant0 | Left Cheek | 0mm | 69.7 | 223   | -168.2 | 66.8  | LTE B66   | Ant0 | Left Cheek | 0mm | 69.7 | 223   | -168.2 | 63.7  |
| FR1 N5  | Ant4 |            | 0mm | 16.2 | 261.9 | -177.2 |       | FR1 N71   | Ant4 |            | 0mm | 10.2 | 241.3 | -181.5 |       |
| LTE B71 | Ant0 | Left Cheek | 0mm | 73.2 | 238   | -171.1 | 62.1  | LTE B71   | Ant0 | Left Cheek | 0mm | 73.2 | 238   | -171.1 | 63.9  |
| FR1 N5  | Ant4 |            | 0mm | 16.2 | 261.9 | -177.2 |       | FR1 N71   | Ant4 |            | 0mm | 10.2 | 241.3 | -181.5 |       |
| LTE B12 | Ant0 | Left Cheek | 0mm | 75.3 | 237   | -171.8 | 62.5  | LTE B12   | Ant0 | Left Cheek | 0mm | 75.3 | 237   | -171.8 | 65.7  |
| FR1 N66 | Ant4 |            | 0mm | 14.9 | 252.8 | -175.3 |       | FR1 N25   | Ant4 |            | 0mm | 18.2 | 269.4 | -170.1 |       |



|         |      |            |     |      |       |        |      |         |      |            |     |      |       |        |      |
|---------|------|------------|-----|------|-------|--------|------|---------|------|------------|-----|------|-------|--------|------|
| LTE B13 | Ant0 | Left Cheek | 0mm | 77.2 | 216   | -174.2 | 72.4 | LTE B13 | Ant0 | Left Cheek | 0mm | 77.2 | 216   | -174.2 | 79.7 |
| FR1 N66 | Ant4 |            | 0mm | 14.9 | 252.8 | -175.3 |      | FR1 N25 | Ant4 |            | 0mm | 18.2 | 269.4 | -170.1 |      |
| LTE B14 | Ant0 | Left Cheek | 0mm | 75.3 | 223   | -175.3 | 67.4 | LTE B14 | Ant0 | Left Cheek | 0mm | 75.3 | 223   | -175.3 | 73.8 |
| FR1 N66 | Ant4 |            | 0mm | 14.9 | 252.8 | -175.3 |      | FR1 N25 | Ant4 |            | 0mm | 18.2 | 269.4 | -170.1 |      |
| LTE B26 | Ant0 | Left Cheek | 0mm | 76.5 | 241   | -175.3 | 62.7 | LTE B26 | Ant0 | Left Cheek | 0mm | 76.5 | 241   | -175.3 | 65.1 |
| FR1 N66 | Ant4 |            | 0mm | 14.9 | 252.8 | -175.3 |      | FR1 N25 | Ant4 |            | 0mm | 18.2 | 269.4 | -170.1 |      |
| LTE B2  | Ant0 | Left Cheek | 0mm | 81   | 228   | -173.8 | 70.6 | LTE B2  | Ant0 | Left Cheek | 0mm | 81   | 228   | -173.8 | 75.3 |
| FR1 N66 | Ant4 |            | 0mm | 14.9 | 252.8 | -175.3 |      | FR1 N25 | Ant4 |            | 0mm | 18.2 | 269.4 | -170.1 |      |
| LTE B4  | Ant0 | Left Cheek | 0mm | 72.3 | 203   | -170.2 | 76.2 | LTE B4  | Ant0 | Left Cheek | 0mm | 72.3 | 203   | -170.2 | 85.6 |
| FR1 N66 | Ant4 |            | 0mm | 14.9 | 252.8 | -175.3 |      | FR1 N25 | Ant4 |            | 0mm | 18.2 | 269.4 | -170.1 |      |
| LTE B5  | Ant0 | Left Cheek | 0mm | 81.5 | 273   | -173.2 | 69.6 | LTE B5  | Ant0 | Left Cheek | 0mm | 81.5 | 273   | -173.2 | 63.5 |
| FR1 N66 | Ant4 |            | 0mm | 14.9 | 252.8 | -175.3 |      | FR1 N25 | Ant4 |            | 0mm | 18.2 | 269.4 | -170.1 |      |
| LTE B66 | Ant0 | Left Cheek | 0mm | 69.7 | 223   | -168.2 | 62.8 | LTE B66 | Ant0 | Left Cheek | 0mm | 69.7 | 223   | -168.2 | 69.3 |
| FR1 N66 | Ant4 |            | 0mm | 14.9 | 252.8 | -175.3 |      | FR1 N25 | Ant4 |            | 0mm | 18.2 | 269.4 | -170.1 |      |
| LTE B71 | Ant0 | Left Cheek | 0mm | 73.2 | 238   | -171.1 | 60.3 | LTE B71 | Ant0 | Left Cheek | 0mm | 73.2 | 238   | -171.1 | 63.3 |
| FR1 N66 | Ant4 |            | 0mm | 14.9 | 252.8 | -175.3 |      | FR1 N25 | Ant4 |            | 0mm | 18.2 | 269.4 | -170.1 |      |

Note: According to the above tables the minimum distance is as follows:

| Simultaneous | Position   | minimum 3D distance (mm) |
|--------------|------------|--------------------------|
| WWAN+WLAN/BT | Left Cheek | 60.3                     |



For Hotspot:  
Back

| Band        | Ant  | Position | Gap (mm) | SAR peak location (mm) |       |      | 3D distance (mm) | Band        | Ant  | Position | Gap (mm) | SAR peak location (mm) |       |      | 3D distance (mm) |
|-------------|------|----------|----------|------------------------|-------|------|------------------|-------------|------|----------|----------|------------------------|-------|------|------------------|
|             |      |          |          | X                      | Y     | Z    |                  |             |      |          |          | X                      | Y     | Z    |                  |
| LTE Band 71 | Ant0 | Back     | 5mm      | -51                    | -81.2 | -207 | 139.7            | LTE Band 71 | Ant0 | Back     | 5mm      | -51                    | -81.2 | -207 | 142.4            |
| BT          | Ant6 |          | 5mm      | -62.5                  | 58    | -207 |                  | WIFI 2.4G   | Ant6 |          | 5mm      | -59.4                  | 61    | -207 |                  |
| LTE Band 12 | Ant0 | Back     | 5mm      | -40                    | -85.3 | -207 | 145.1            | LTE Band 12 | Ant0 | Back     | 5mm      | -40                    | -85.3 | -207 | 147.6            |
| BT          | Ant6 |          | 5mm      | -62.5                  | 58    | -207 |                  | WIFI 2.4G   | Ant6 |          | 5mm      | -59.4                  | 61    | -207 |                  |
| LTE Band 13 | Ant0 | Back     | 5mm      | -52.7                  | -78.6 | -207 | 137.0            | LTE Band 13 | Ant0 | Back     | 5mm      | -52.7                  | -78.6 | -207 | 139.8            |
| BT          | Ant6 |          | 5mm      | -62.5                  | 58    | -207 |                  | WIFI 2.4G   | Ant6 |          | 5mm      | -59.4                  | 61    | -207 |                  |
| LTE Band 14 | Ant0 | Back     | 5mm      | -41                    | -94.2 | -207 | 153.7            | LTE Band 14 | Ant0 | Back     | 5mm      | -41                    | -94.2 | -207 | 156.3            |
| BT          | Ant6 |          | 5mm      | -62.5                  | 58    | -207 |                  | WIFI 2.4G   | Ant6 |          | 5mm      | -59.4                  | 61    | -207 |                  |
| FR1 n71     | Ant0 | Back     | 5mm      | -53                    | -85.3 | -207 | 143.6            | FR1 n71     | Ant0 | Back     | 5mm      | -53                    | -85.3 | -207 | 146.4            |
| BT          | Ant6 |          | 5mm      | -62.5                  | 58    | -207 |                  | WIFI 2.4G   | Ant6 |          | 5mm      | -59.4                  | 61    | -207 |                  |
| FR1 n12     | Ant0 | Back     | 5mm      | -49                    | -82.7 | -207 | 141.3            | FR1 n12     | Ant0 | Back     | 5mm      | -49                    | -82.7 | -207 | 144.1            |
| BT          | Ant6 |          | 5mm      | -62.5                  | 58    | -207 |                  | WIFI 2.4G   | Ant6 |          | 5mm      | -59.4                  | 61    | -207 |                  |
| FR1 n14     | Ant0 | Back     | 5mm      | -52                    | -79.6 | -207 | 138.0            | FR1 n14     | Ant0 | Back     | 5mm      | -52                    | -79.6 | -207 | 140.8            |
| BT          | Ant6 |          | 5mm      | -62.5                  | 58    | -207 |                  | WIFI 2.4G   | Ant6 |          | 5mm      | -59.4                  | 61    | -207 |                  |
| GSM850      | Ant0 | Back     | 5mm      | -54                    | -75.2 | -207 | 133.5            | GSM850      | Ant0 | Back     | 5mm      | -54                    | -75.2 | -207 | 136.3            |
| BT          | Ant6 |          | 5mm      | -62.5                  | 58    | -207 |                  | WIFI 2.4G   | Ant6 |          | 5mm      | -59.4                  | 61    | -207 |                  |
| WCDMA V     | Ant0 | Back     | 5mm      | -45                    | -89.7 | -207 | 148.7            | WCDMA V     | Ant0 | Back     | 5mm      | -45                    | -89.7 | -207 | 151.4            |
| BT          | Ant6 |          | 5mm      | -62.5                  | 58    | -207 |                  | WIFI 2.4G   | Ant6 |          | 5mm      | -59.4                  | 61    | -207 |                  |
| LTE Band 26 | Ant0 | Back     | 5mm      | -52                    | -80.2 | -207 | 138.6            | LTE Band 26 | Ant0 | Back     | 5mm      | -52                    | -80.2 | -207 | 141.4            |
| BT          | Ant6 |          | 5mm      | -62.5                  | 58    | -207 |                  | WIFI 2.4G   | Ant6 |          | 5mm      | -59.4                  | 61    | -207 |                  |
| FR1 n26     | Ant0 | Back     | 5mm      | -63                    | -81.2 | -207 | 139.2            | FR1 n26     | Ant0 | Back     | 5mm      | -63                    | -81.2 | -207 | 142.2            |
| BT          | Ant6 |          | 5mm      | -62.5                  | 58    | -207 |                  | WIFI 2.4G   | Ant6 |          | 5mm      | -59.4                  | 61    | -207 |                  |
| WCDMA IV    | Ant0 | Back     | 5mm      | -53                    | -88.2 | -207 | 146.5            | WCDMA IV    | Ant0 | Back     | 5mm      | -53                    | -88.2 | -207 | 149.3            |
| BT          | Ant6 |          | 5mm      | -62.5                  | 58    | -207 |                  | WIFI 2.4G   | Ant6 |          | 5mm      | -59.4                  | 61    | -207 |                  |
| LTE Band 66 | Ant0 | Back     | 5mm      | -58                    | -81.3 | -207 | 139.4            | LTE Band 66 | Ant0 | Back     | 5mm      | -58                    | -81.3 | -207 | 142.3            |
| BT          | Ant6 |          | 5mm      | -62.5                  | 58    | -207 |                  | WIFI 2.4G   | Ant6 |          | 5mm      | -59.4                  | 61    | -207 |                  |
| FR1 n70     | Ant0 | Back     | 5mm      | -41                    | -94.2 | -207 | 153.7            | FR1 n70     | Ant0 | Back     | 5mm      | -41                    | -94.2 | -207 | 156.3            |
| BT          | Ant6 |          | 5mm      | -62.5                  | 58    | -207 |                  | WIFI 2.4G   | Ant6 |          | 5mm      | -59.4                  | 61    | -207 |                  |
| FR1 n66     | Ant0 | Back     | 5mm      | -45                    | -82.8 | -207 | 141.9            | FR1 n66     | Ant0 | Back     | 5mm      | -45                    | -82.8 | -207 | 144.5            |
| BT          | Ant6 |          | 5mm      | -62.5                  | 58    | -207 |                  | WIFI 2.4G   | Ant6 |          | 5mm      | -59.4                  | 61    | -207 |                  |
| GSM1900     | Ant0 | Back     | 5mm      | -45                    | -81.4 | -207 | 140.5            | GSM1900     | Ant0 | Back     | 5mm      | -45                    | -81.4 | -207 | 143.1            |
| BT          | Ant6 |          | 5mm      | -62.5                  | 58    | -207 |                  | WIFI 2.4G   | Ant6 |          | 5mm      | -59.4                  | 61    | -207 |                  |
| WCDMA II    | Ant0 | Back     | 5mm      | -54                    | -79.8 | -207 | 138.1            | WCDMA II    | Ant0 | Back     | 5mm      | -54                    | -79.8 | -207 | 140.9            |
| BT          | Ant6 |          | 5mm      | -62.5                  | 58    | -207 |                  | WIFI 2.4G   | Ant6 |          | 5mm      | -59.4                  | 61    | -207 |                  |
| LTE Band 25 | Ant0 | Back     | 5mm      | -51                    | -87.5 | -207 | 146.0            | LTE Band 25 | Ant0 | Back     | 5mm      | -51                    | -87.5 | -207 | 148.7            |
| BT          | Ant6 |          | 5mm      | -62.5                  | 58    | -207 |                  | WIFI 2.4G   | Ant6 |          | 5mm      | -59.4                  | 61    | -207 |                  |
| FR1 n25     | Ant0 | Back     | 5mm      | -48                    | -87.2 | -207 | 145.9            | FR1 n25     | Ant0 | Back     | 5mm      | -48                    | -87.2 | -207 | 148.6            |
| BT          | Ant6 |          | 5mm      | -62.5                  | 58    | -207 |                  | WIFI 2.4G   | Ant6 |          | 5mm      | -59.4                  | 61    | -207 |                  |
| LTE Band 71 | Ant0 | Back     | 5mm      | -51                    | -81.2 | -207 | 144.2            | LTE Band 30 | Ant1 | Back     | 5mm      | 8.7                    | -68   | -207 | 144.7            |
| WIFI 5G     | Ant6 |          | 5mm      | -52.1                  | 63    | -207 |                  | BT          | Ant6 |          | 5mm      | -62.5                  | 58    | -207 |                  |
| LTE Band 12 | Ant0 | Back     | 5mm      | -40                    | -85.3 | -207 | 148.8            | FR1 n30     | Ant1 | Back     | 5mm      | 7.9                    | -71   | -207 | 147.0            |
| WIFI 5G     | Ant6 |          | 5mm      | -52.1                  | 63    | -207 |                  | BT          | Ant6 |          | 5mm      | -62.5                  | 58    | -207 |                  |
| LTE Band 13 | Ant0 | Back     | 5mm      | -52.7                  | -78.6 | -207 | 141.6            | LTE Band 7  | Ant1 | Back     | 5mm      | 8.4                    | -71   | -207 | 147.2            |
| WIFI 5G     | Ant6 |          | 5mm      | -52.1                  | 63    | -207 |                  | BT          | Ant6 |          | 5mm      | -62.5                  | 58    | -207 |                  |
| LTE Band 14 | Ant0 | Back     | 5mm      | -41                    | -94.2 | -207 | 157.6            | LTE Band 41 | Ant1 | Back     | 5mm      | 5.9                    | -78   | -207 | 152.2            |
| WIFI 5G     | Ant6 |          | 5mm      | -52.1                  | 63    | -207 |                  | BT          | Ant6 |          | 5mm      | -62.5                  | 58    | -207 |                  |
| FR1 n71     | Ant0 | Back     | 5mm      | -53                    | -85.3 | -207 | 148.3            | FR1 n7      | Ant1 | Back     | 5mm      | 8.8                    | -71   | -207 | 147.4            |
| WIFI 5G     | Ant6 |          | 5mm      | -52.1                  | 63    | -207 |                  | BT          | Ant6 |          | 5mm      | -62.5                  | 58    | -207 |                  |
| FR1 n12     | Ant0 | Back     | 5mm      | -49                    | -82.7 | -207 | 145.7            | FR1 n41     | Ant1 | Back     | 5mm      | 11.2                   | -72   | -207 | 149.4            |
| WIFI 5G     | Ant6 |          | 5mm      | -52.1                  | 63    | -207 |                  | BT          | Ant6 |          | 5mm      | -62.5                  | 58    | -207 |                  |
| FR1 n14     | Ant0 | Back     | 5mm      | -52                    | -79.6 | -207 | 142.6            | FR1 n77     | Ant1 | Back     | 5mm      | 12.2                   | -71   | -207 | 149.1            |
| WIFI 5G     | Ant6 |          | 5mm      | -52.1                  | 63    | -207 |                  | BT          | Ant6 |          | 5mm      | -62.5                  | 58    | -207 |                  |



|             |      |      |     |       |       |      |       |             |      |      |     |       |       |      |       |
|-------------|------|------|-----|-------|-------|------|-------|-------------|------|------|-----|-------|-------|------|-------|
| GSM850      | Ant0 | Back | 5mm | -54   | -75.2 | -207 | 138.2 | LTE Band 30 | Ant1 | Back | 5mm | 8.7   | -68   | -207 | 145.9 |
| WIFI 5G     | Ant6 |      | 5mm | -52.1 | 63    | -207 |       | WIFI 2.4G   | Ant6 |      | 5mm | -59.4 | 61    | -207 |       |
| WCDMA V     | Ant0 | Back | 5mm | -45   | -89.7 | -207 | 152.9 | FR1 n30     | Ant1 | Back | 5mm | 7.9   | -71   | -207 | 148.2 |
| WIFI 5G     | Ant6 |      | 5mm | -52.1 | 63    | -207 |       | WIFI 2.4G   | Ant6 |      | 5mm | -59.4 | 61    | -207 |       |
| LTE Band 26 | Ant0 | Back | 5mm | -52   | -80.2 | -207 | 143.2 | LTE Band 7  | Ant1 | Back | 5mm | 8.4   | -71   | -207 | 148.4 |
| WIFI 5G     | Ant6 |      | 5mm | -52.1 | 63    | -207 |       | WIFI 2.4G   | Ant6 |      | 5mm | -59.4 | 61    | -207 |       |
| FR1 n26     | Ant0 | Back | 5mm | -63   | -81.2 | -207 | 144.6 | LTE Band 41 | Ant1 | Back | 5mm | 5.9   | -78   | -207 | 153.6 |
| WIFI 5G     | Ant6 |      | 5mm | -52.1 | 63    | -207 |       | WIFI 2.4G   | Ant6 |      | 5mm | -59.4 | 61    | -207 |       |
| WCDMA IV    | Ant0 | Back | 5mm | -53   | -88.2 | -207 | 151.2 | FR1 n7      | Ant1 | Back | 5mm | 8.8   | -71   | -207 | 148.6 |
| WIFI 5G     | Ant6 |      | 5mm | -52.1 | 63    | -207 |       | WIFI 2.4G   | Ant6 |      | 5mm | -59.4 | 61    | -207 |       |
| LTE Band 66 | Ant0 | Back | 5mm | -58   | -81.3 | -207 | 144.4 | FR1 n41     | Ant1 | Back | 5mm | 11.2  | -72   | -207 | 150.6 |
| WIFI 5G     | Ant6 |      | 5mm | -52.1 | 63    | -207 |       | WIFI 2.4G   | Ant6 |      | 5mm | -59.4 | 61    | -207 |       |
| FR1 n70     | Ant0 | Back | 5mm | -41   | -94.2 | -207 | 157.6 | FR1 n77     | Ant1 | Back | 5mm | 12.2  | -71   | -207 | 150.2 |
| WIFI 5G     | Ant6 |      | 5mm | -52.1 | 63    | -207 |       | WIFI 2.4G   | Ant6 |      | 5mm | -59.4 | 61    | -207 |       |
| FR1 n66     | Ant0 | Back | 5mm | -45   | -82.8 | -207 | 146.0 | LTE Band 30 | Ant1 | Back | 5mm | 8.7   | -68   | -207 | 144.4 |
| WIFI 5G     | Ant6 |      | 5mm | -52.1 | 63    | -207 |       | WIFI 5G     | Ant6 |      | 5mm | -52.1 | 63    | -207 |       |
| GSM1900     | Ant0 | Back | 5mm | -45   | -81.4 | -207 | 144.6 | FR1 n30     | Ant1 | Back | 5mm | 7.9   | -71   | -207 | 146.8 |
| WIFI 5G     | Ant6 |      | 5mm | -52.1 | 63    | -207 |       | WIFI 5G     | Ant6 |      | 5mm | -52.1 | 63    | -207 |       |
| WCDMA II    | Ant0 | Back | 5mm | -54   | -79.8 | -207 | 142.8 | LTE Band 7  | Ant1 | Back | 5mm | 8.4   | -71   | -207 | 147.0 |
| WIFI 5G     | Ant6 |      | 5mm | -52.1 | 63    | -207 |       | WIFI 5G     | Ant6 |      | 5mm | -52.1 | 63    | -207 |       |
| LTE Band 25 | Ant0 | Back | 5mm | -51   | -87.5 | -207 | 150.5 | LTE Band 41 | Ant1 | Back | 5mm | 5.9   | -78   | -207 | 152.5 |
| WIFI 5G     | Ant6 |      | 5mm | -52.1 | 63    | -207 |       | WIFI 5G     | Ant6 |      | 5mm | -52.1 | 63    | -207 |       |
| FR1 n25     | Ant0 | Back | 5mm | -48   | -87.2 | -207 | 150.3 | FR1 n7      | Ant1 | Back | 5mm | 8.8   | -71   | -207 | 147.2 |
| WIFI 5G     | Ant6 |      | 5mm | -52.1 | 63    | -207 |       | WIFI 5G     | Ant6 |      | 5mm | -52.1 | 63    | -207 |       |
| LTE Band 12 | Ant0 | Back | 5mm | -40   | -85.3 | -207 | 164.8 | FR1 n41     | Ant1 | Back | 5mm | 11.2  | -72   | -207 | 149.1 |
| LTE Band 12 | Ant4 |      | 5mm | -8.1  | 76.4  | -207 |       | WIFI 5G     | Ant6 |      | 5mm | -52.1 | 63    | -207 |       |
| LTE Band 13 | Ant0 | Back | 5mm | -52   | -78.6 | -207 | 161.1 | FR1 n77     | Ant1 | Back | 5mm | 12.2  | -71   | -207 | 148.6 |
| LTE Band 12 | Ant4 |      | 5mm | -8.1  | 76.4  | -207 |       | WIFI 5G     | Ant6 |      | 5mm | -52.1 | 63    | -207 |       |
| LTE Band 14 | Ant0 | Back | 5mm | -41   | -94.2 | -207 | 173.7 | LTE Band 12 | Ant0 | Back | 5mm | -40   | -85.3 | -207 | 165.2 |
| LTE Band 12 | Ant4 |      | 5mm | -8.1  | 76.4  | -207 |       | LTE Band 66 | Ant4 |      | 5mm | -5.8  | 76.3  | -207 |       |
| LTE Band 2  | Ant0 | Back | 5mm | -51   | -87   | -207 | 168.9 | LTE Band 13 | Ant0 | Back | 5mm | -52   | -78.6 | -207 | 161.6 |
| LTE Band 12 | Ant4 |      | 5mm | -8.1  | 76.4  | -207 |       | LTE Band 66 | Ant4 |      | 5mm | -5.8  | 76.3  | -207 |       |
| LTE Band 4  | Ant0 | Back | 5mm | -58   | -81.3 | -207 | 165.4 | LTE Band 14 | Ant0 | Back | 5mm | -41   | -94.2 | -207 | 174.1 |
| LTE Band 12 | Ant4 |      | 5mm | -8.1  | 76.4  | -207 |       | LTE Band 66 | Ant4 |      | 5mm | -5.8  | 76.3  | -207 |       |
| LTE Band 5  | Ant0 | Back | 5mm | -52   | -80.2 | -207 | 162.6 | LTE Band 2  | Ant0 | Back | 5mm | -51   | -87   | -207 | 169.4 |
| LTE Band 12 | Ant4 |      | 5mm | -8.1  | 76.4  | -207 |       | LTE Band 66 | Ant4 |      | 5mm | -5.8  | 76.3  | -207 |       |
| LTE Band 12 | Ant0 | Back | 5mm | -40   | -85.3 | -207 | 167.2 | LTE Band 4  | Ant0 | Back | 5mm | -58   | -81.3 | -207 | 166.0 |
| LTE Band 13 | Ant4 |      | 5mm | -5.7  | 78.3  | -207 |       | LTE Band 66 | Ant4 |      | 5mm | -5.8  | 76.3  | -207 |       |
| LTE Band 13 | Ant0 | Back | 5mm | -52   | -78.6 | -207 | 163.6 | LTE Band 5  | Ant0 | Back | 5mm | -52   | -80.2 | -207 | 163.2 |
| LTE Band 13 | Ant4 |      | 5mm | -5.7  | 78.3  | -207 |       | LTE Band 66 | Ant4 |      | 5mm | -5.8  | 76.3  | -207 |       |
| LTE Band 14 | Ant0 | Back | 5mm | -41   | -94.2 | -207 | 176.1 | LTE Band 12 | Ant0 | Back | 5mm | -40   | -85.3 | -207 | 160.2 |
| LTE Band 13 | Ant4 |      | 5mm | -5.7  | 78.3  | -207 |       | LTE Band 5  | Ant4 |      | 5mm | -10.3 | 72.1  | -207 |       |
| LTE Band 2  | Ant0 | Back | 5mm | -51   | -87   | -207 | 171.4 | LTE Band 13 | Ant0 | Back | 5mm | -52   | -78.6 | -207 | 156.4 |
| LTE Band 13 | Ant4 |      | 5mm | -5.7  | 78.3  | -207 |       | LTE Band 5  | Ant4 |      | 5mm | -10.3 | 72.1  | -207 |       |
| LTE Band 4  | Ant0 | Back | 5mm | -58   | -81.3 | -207 | 168.0 | LTE Band 14 | Ant0 | Back | 5mm | -41   | -94.2 | -207 | 169.1 |
| LTE Band 13 | Ant4 |      | 5mm | -5.7  | 78.3  | -207 |       | LTE Band 5  | Ant4 |      | 5mm | -10.3 | 72.1  | -207 |       |
| LTE Band 5  | Ant0 | Back | 5mm | -52   | -80.2 | -207 | 165.1 | LTE Band 2  | Ant0 | Back | 5mm | -51   | -87   | -207 | 164.2 |
| LTE Band 13 | Ant4 |      | 5mm | -5.7  | 78.3  | -207 |       | LTE Band 5  | Ant4 |      | 5mm | -10.3 | 72.1  | -207 |       |
| LTE Band 12 | Ant0 | Back | 5mm | -40   | -85.3 | -207 | 159.7 | LTE Band 4  | Ant0 | Back | 5mm | -58   | -81.3 | -207 | 160.6 |
| LTE Band 14 | Ant4 |      | 5mm | -11.2 | 71.8  | -207 |       | LTE Band 5  | Ant4 |      | 5mm | -10.3 | 72.1  | -207 |       |
| LTE Band 13 | Ant0 | Back | 5mm | -52   | -78.6 | -207 | 155.8 | LTE Band 5  | Ant0 | Back | 5mm | -52   | -80.2 | -207 | 157.9 |
| LTE Band 14 | Ant4 |      | 5mm | -11.2 | 71.8  | -207 |       | LTE Band 5  | Ant4 |      | 5mm | -10.3 | 72.1  | -207 |       |
| LTE Band 14 | Ant0 | Back | 5mm | -41   | -94.2 | -207 | 168.7 | LTE Band 2  | Ant0 | Back | 5mm | -51   | -87   | -207 | 163.4 |
| LTE Band 14 | Ant4 |      | 5mm | -11.2 | 71.8  | -207 |       | LTE Band 48 | Ant5 |      | 5mm | -34   | 75.5  | -207 |       |
| LTE Band 2  | Ant0 | Back | 5mm | -51   | -87   | -207 | 163.7 | LTE Band 48 | Ant5 | Back | 5mm | -34   | 75.5  | -207 | 158.6 |
| LTE Band 14 | Ant4 |      | 5mm | -11.2 | 71.8  | -207 |       | LTE Band 66 | Ant0 |      | 5mm | -58   | -81.3 | -207 |       |



|             |      |      |     |       |       |      |       |             |      |      |     |       |       |      |       |
|-------------|------|------|-----|-------|-------|------|-------|-------------|------|------|-----|-------|-------|------|-------|
| LTE Band 4  | Ant0 | Back | 5mm | -58   | -81.3 | -207 | 160.1 | LTE Band 71 | Ant4 | Back | 5mm | -10.3 | 72.1  | -207 | 158.7 |
| LTE Band 14 | Ant4 |      | 5mm | -11.2 | 71.8  | -207 |       | FR1 n66     | Ant0 |      | 5mm | -45   | -82.8 | -207 |       |
| LTE Band 5  | Ant0 | Back | 5mm | -52   | -80.2 | -207 | 157.4 | LTE Band 12 | Ant4 | Back | 5mm | -8.1  | 76.4  | -207 | 163.4 |
| LTE Band 14 | Ant4 |      | 5mm | -11.2 | 71.8  | -207 |       | FR1 n66     | Ant0 |      | 5mm | -45   | -82.8 | -207 |       |
| LTE Band 71 | Ant4 | Back | 5mm | -10.3 | 72.1  | -207 | 163.1 | LTE Band 13 | Ant4 | Back | 5mm | -5.7  | 78.3  | -207 | 165.8 |
| FR1 n71     | Ant0 |      | 5mm | -53   | -85.3 | -207 |       | FR1 n66     | Ant0 |      | 5mm | -45   | -82.8 | -207 |       |
| LTE Band 12 | Ant4 | Back | 5mm | -8.1  | 76.4  | -207 | 167.8 | LTE Band 14 | Ant4 | Back | 5mm | -11.2 | 71.8  | -207 | 158.3 |
| FR1 n71     | Ant0 |      | 5mm | -53   | -85.3 | -207 |       | FR1 n66     | Ant0 |      | 5mm | -45   | -82.8 | -207 |       |
| LTE Band 13 | Ant4 | Back | 5mm | -5.7  | 78.3  | -207 | 170.3 | LTE Band 26 | Ant4 | Back | 5mm | -10.3 | 72.1  | -207 | 158.7 |
| FR1 n71     | Ant0 |      | 5mm | -53   | -85.3 | -207 |       | FR1 n66     | Ant0 |      | 5mm | -45   | -82.8 | -207 |       |
| LTE Band 14 | Ant4 | Back | 5mm | -11.2 | 71.8  | -207 | 162.6 | LTE Band 66 | Ant4 | Back | 5mm | -5.8  | 76.3  | -207 | 163.9 |
| FR1 n71     | Ant0 |      | 5mm | -53   | -85.3 | -207 |       | FR1 n66     | Ant0 |      | 5mm | -45   | -82.8 | -207 |       |
| LTE Band 26 | Ant4 | Back | 5mm | -10.3 | 72.1  | -207 | 163.1 | LTE Band 5  | Ant4 | Back | 5mm | -10.3 | 72.1  | -207 | 158.7 |
| FR1 n71     | Ant0 |      | 5mm | -53   | -85.3 | -207 |       | FR1 n66     | Ant0 |      | 5mm | -45   | -82.8 | -207 |       |
| LTE Band 66 | Ant4 | Back | 5mm | -5.8  | 76.3  | -207 | 168.4 | LTE Band 71 | Ant4 | Back | 5mm | -10.3 | 72.1  | -207 | 163.7 |
| FR1 n71     | Ant0 |      | 5mm | -53   | -85.3 | -207 |       | FR1 n25     | Ant0 |      | 5mm | -48   | -87.2 | -207 |       |
| LTE Band 5  | Ant4 | Back | 5mm | -10.3 | 72.1  | -207 | 163.1 | LTE Band 12 | Ant4 | Back | 5mm | -8.1  | 76.4  | -207 | 168.4 |
| FR1 n71     | Ant0 |      | 5mm | -53   | -85.3 | -207 |       | FR1 n25     | Ant0 |      | 5mm | -48   | -87.2 | -207 |       |
| LTE Band 71 | Ant4 | Back | 5mm | -10.3 | 72.1  | -207 | 162.1 | LTE Band 13 | Ant4 | Back | 5mm | -5.7  | 78.3  | -207 | 170.8 |
| FR1 n5      | Ant0 |      | 5mm | -63   | -81.2 | -207 |       | FR1 n25     | Ant0 |      | 5mm | -48   | -87.2 | -207 |       |
| LTE Band 12 | Ant4 | Back | 5mm | -8.1  | 76.4  | -207 | 166.9 | LTE Band 14 | Ant4 | Back | 5mm | -11.2 | 71.8  | -207 | 163.2 |
| FR1 n5      | Ant0 |      | 5mm | -63   | -81.2 | -207 |       | FR1 n25     | Ant0 |      | 5mm | -48   | -87.2 | -207 |       |
| LTE Band 13 | Ant4 | Back | 5mm | -5.7  | 78.3  | -207 | 169.5 | LTE Band 26 | Ant4 | Back | 5mm | -10.3 | 72.1  | -207 | 163.7 |
| FR1 n5      | Ant0 |      | 5mm | -63   | -81.2 | -207 |       | FR1 n25     | Ant0 |      | 5mm | -48   | -87.2 | -207 |       |
| LTE Band 14 | Ant4 | Back | 5mm | -11.2 | 71.8  | -207 | 161.5 | LTE Band 66 | Ant4 | Back | 5mm | -5.8  | 76.3  | -207 | 168.9 |
| FR1 n5      | Ant0 |      | 5mm | -63   | -81.2 | -207 |       | FR1 n25     | Ant0 |      | 5mm | -48   | -87.2 | -207 |       |
| LTE Band 26 | Ant4 | Back | 5mm | -10.3 | 72.1  | -207 | 162.1 | LTE Band 5  | Ant4 | Back | 5mm | -10.3 | 72.1  | -207 | 163.7 |
| FR1 n5      | Ant0 |      | 5mm | -63   | -81.2 | -207 |       | FR1 n25     | Ant0 |      | 5mm | -48   | -87.2 | -207 |       |
| LTE Band 66 | Ant4 | Back | 5mm | -5.8  | 76.3  | -207 | 167.6 | LTE Band 71 | Ant4 | Back | 5mm | -10.3 | 72.1  | -207 | 144.4 |
| FR1 n5      | Ant0 |      | 5mm | -63   | -81.2 | -207 |       | FR1 n7      | Ant1 |      | 5mm | 8.8   | -71   | -207 |       |
| LTE Band 5  | Ant4 | Back | 5mm | -10.3 | 72.1  | -207 | 162.1 | LTE Band 12 | Ant4 | Back | 5mm | -8.1  | 76.4  | -207 | 148.4 |
| FR1 n5      | Ant0 |      | 5mm | -63   | -81.2 | -207 |       | FR1 n7      | Ant1 |      | 5mm | 8.8   | -71   | -207 |       |
| LTE Band 71 | Ant4 | Back | 5mm | -10.3 | 72.1  | -207 | 144.3 | LTE Band 14 | Ant4 | Back | 5mm | -11.2 | 71.8  | -207 | 144.2 |
| FR1 n30     | Ant1 |      | 5mm | 7.9   | -71   | -207 |       | FR1 n7      | Ant1 |      | 5mm | 8.8   | -71   | -207 |       |
| LTE Band 12 | Ant4 | Back | 5mm | -8.1  | 76.4  | -207 | 148.3 | LTE Band 26 | Ant4 | Back | 5mm | -10.3 | 72.1  | -207 | 144.4 |
| FR1 n30     | Ant1 |      | 5mm | 7.9   | -71   | -207 |       | FR1 n7      | Ant1 |      | 5mm | 8.8   | -71   | -207 |       |
| LTE Band 14 | Ant4 | Back | 5mm | -11.2 | 71.8  | -207 | 144.1 | LTE Band 66 | Ant4 | Back | 5mm | -5.8  | 76.3  | -207 | 148.0 |
| FR1 n30     | Ant1 |      | 5mm | 7.9   | -71   | -207 |       | FR1 n7      | Ant1 |      | 5mm | 8.8   | -71   | -207 |       |
| LTE Band 26 | Ant4 | Back | 5mm | -10.3 | 72.1  | -207 | 144.3 | LTE Band 25 | Ant4 | Back | 5mm | -9.1  | 75.3  | -207 | 147.4 |
| FR1 n30     | Ant1 |      | 5mm | 7.9   | -71   | -207 |       | FR1 n7      | Ant1 |      | 5mm | 8.8   | -71   | -207 |       |
| LTE Band 66 | Ant4 | Back | 5mm | -5.8  | 76.3  | -207 | 147.9 | LTE Band 71 | Ant4 | Back | 5mm | -10.3 | 72.1  | -207 | 145.7 |
| FR1 n30     | Ant1 |      | 5mm | 7.9   | -71   | -207 |       | FR1 n41     | Ant1 |      | 5mm | 11.2  | -72   | -207 |       |
| LTE Band 25 | Ant4 | Back | 5mm | -9.1  | 75.3  | -207 | 147.3 | LTE Band 12 | Ant4 | Back | 5mm | -8.1  | 76.4  | -207 | 149.6 |
| FR1 n30     | Ant1 |      | 5mm | 7.9   | -71   | -207 |       | FR1 n41     | Ant1 |      | 5mm | 11.2  | -72   | -207 |       |
| LTE Band 71 | Ant0 | Back | 5mm | -51   | -81.2 | -207 | 152.1 | LTE Band 14 | Ant4 | Back | 5mm | -11.2 | 71.8  | -207 | 145.5 |
| FR1 n77     | Ant5 |      | 5mm | -41   | 70.6  | -207 |       | FR1 n41     | Ant1 |      | 5mm | 11.2  | -72   | -207 |       |
| LTE Band 12 | Ant0 | Back | 5mm | -40   | -85.3 | -207 | 155.9 | LTE Band 26 | Ant4 | Back | 5mm | -10.3 | 72.1  | -207 | 145.7 |
| FR1 n77     | Ant5 |      | 5mm | -41   | 70.6  | -207 |       | FR1 n41     | Ant1 |      | 5mm | 11.2  | -72   | -207 |       |
| LTE Band 13 | Ant0 | Back | 5mm | -52   | -78.6 | -207 | 149.6 | LTE Band 66 | Ant4 | Back | 5mm | -5.8  | 76.3  | -207 | 149.3 |
| FR1 n77     | Ant5 |      | 5mm | -41   | 70.6  | -207 |       | FR1 n41     | Ant1 |      | 5mm | 11.2  | -72   | -207 |       |
| LTE Band 14 | Ant0 | Back | 5mm | -41   | -94.2 | -207 | 164.8 | LTE Band 25 | Ant4 | Back | 5mm | -9.1  | 75.3  | -207 | 148.7 |
| FR1 n77     | Ant5 |      | 5mm | -41   | 70.6  | -207 |       | FR1 n41     | Ant1 |      | 5mm | 11.2  | -72   | -207 |       |
| LTE Band 26 | Ant0 | Back | 5mm | -52   | -80.2 | -207 | 151.2 | LTE Band 30 | Ant1 | Back | 5mm | 8.7   | -68   | -207 | 141.6 |
| FR1 n77     | Ant5 |      | 5mm | -41   | 70.6  | -207 |       | FR1 n71     | Ant4 |      | 5mm | -9.6  | 72.4  | -207 |       |
| LTE Band 66 | Ant0 | Back | 5mm | -58   | -81.3 | -207 | 152.8 | LTE Band 7  | Ant1 | Back | 5mm | 8.4   | -69   | -207 | 142.5 |
| FR1 n77     | Ant5 |      | 5mm | -41   | 70.6  | -207 |       | FR1 n71     | Ant4 |      | 5mm | -9.6  | 72.4  | -207 |       |





|             |      |      |     |      |       |      |       |             |      |      |     |       |       |      |       |
|-------------|------|------|-----|------|-------|------|-------|-------------|------|------|-----|-------|-------|------|-------|
| LTE Band 25 | Ant0 | Back | 5mm | -51  | -87.5 | -207 | 158.4 | LTE Band 30 | Ant1 | Back | 5mm | 8.7   | -68   | -207 | 146.7 |
| FR1 n77     | Ant5 |      | 5mm | -41  | 70.6  | -207 |       | FR1 n5      | Ant4 |      | 5mm | -9.4  | 77.6  | -207 |       |
| LTE Band 71 | Ant0 | Back | 5mm | -51  | -81.2 | -207 | 153.6 | LTE Band 7  | Ant1 | Back | 5mm | 8.4   | -69   | -207 | 147.7 |
| FR1 n48     | Ant5 |      | 5mm | -41  | 72.1  | -207 |       | FR1 n5      | Ant4 |      | 5mm | -9.4  | 77.6  | -207 |       |
| LTE Band 12 | Ant0 | Back | 5mm | -40  | -85.3 | -207 | 157.4 | LTE Band 30 | Ant1 | Back | 5mm | 8.7   | -68   | -207 | 142.1 |
| FR1 n48     | Ant5 |      | 5mm | -41  | 72.1  | -207 |       | FR1 n66     | Ant4 |      | 5mm | -11.5 | 72.7  | -207 |       |
| LTE Band 13 | Ant0 | Back | 5mm | -52  | -78.6 | -207 | 151.1 | LTE Band 7  | Ant1 | Back | 5mm | 8.4   | -69   | -207 | 143.1 |
| FR1 n48     | Ant5 |      | 5mm | -41  | 72.1  | -207 |       | FR1 n66     | Ant4 |      | 5mm | -11.5 | 72.7  | -207 |       |
| LTE Band 14 | Ant0 | Back | 5mm | -41  | -94.2 | -207 | 166.3 | LTE Band 30 | Ant1 | Back | 5mm | 8.7   | -68   | -207 | 139.7 |
| FR1 n48     | Ant5 |      | 5mm | -41  | 72.1  | -207 |       | FR1 n25     | Ant4 |      | 5mm | -10.1 | 70.4  | -207 |       |
| LTE Band 26 | Ant0 | Back | 5mm | -52  | -80.2 | -207 | 152.7 | LTE Band 7  | Ant1 | Back | 5mm | 8.4   | -69   | -207 | 140.6 |
| FR1 n48     | Ant5 |      | 5mm | -41  | 72.1  | -207 |       | FR1 n25     | Ant4 |      | 5mm | -10.1 | 70.4  | -207 |       |
| LTE Band 66 | Ant0 | Back | 5mm | -58  | -81.3 | -207 | 154.3 | LTE Band 71 | Ant0 | Back | 5mm | -51   | -81.2 | -207 | 159.0 |
| FR1 n48     | Ant5 |      | 5mm | -41  | 72.1  | -207 |       | FR1 n66     | Ant4 |      | 5mm | -11.2 | 72.7  | -207 |       |
| LTE Band 25 | Ant0 | Back | 5mm | -51  | -87.5 | -207 | 159.9 | LTE Band 12 | Ant0 | Back | 5mm | -40   | -85.3 | -207 | 160.6 |
| FR1 n48     | Ant5 |      | 5mm | -41  | 72.1  | -207 |       | FR1 n66     | Ant4 |      | 5mm | -11.2 | 72.7  | -207 |       |
| LTE Band 71 | Ant0 | Back | 5mm | -51  | -81.2 | -207 | 159.1 | LTE Band 13 | Ant0 | Back | 5mm | -52   | -78.6 | -207 | 156.7 |
| FR1 n71     | Ant4 |      | 5mm | -9.6 | 72.4  | -207 |       | FR1 n66     | Ant4 |      | 5mm | -11.2 | 72.7  | -207 |       |
| LTE Band 12 | Ant0 | Back | 5mm | -40  | -85.3 | -207 | 160.6 | LTE Band 14 | Ant0 | Back | 5mm | -41   | -94.2 | -207 | 169.5 |
| FR1 n71     | Ant4 |      | 5mm | -9.6 | 72.4  | -207 |       | FR1 n66     | Ant4 |      | 5mm | -11.2 | 72.7  | -207 |       |
| LTE Band 13 | Ant0 | Back | 5mm | -52  | -78.6 | -207 | 156.8 | LTE Band 26 | Ant0 | Back | 5mm | -52   | -80.2 | -207 | 158.2 |
| FR1 n71     | Ant4 |      | 5mm | -9.6 | 72.4  | -207 |       | FR1 n66     | Ant4 |      | 5mm | -11.2 | 72.7  | -207 |       |
| LTE Band 14 | Ant0 | Back | 5mm | -41  | -94.2 | -207 | 169.5 | LTE Band 66 | Ant0 | Back | 5mm | -58   | -81.3 | -207 | 161.0 |
| FR1 n71     | Ant4 |      | 5mm | -9.6 | 72.4  | -207 |       | FR1 n66     | Ant4 |      | 5mm | -11.2 | 72.7  | -207 |       |
| LTE Band 26 | Ant0 | Back | 5mm | -52  | -80.2 | -207 | 158.4 | LTE Band 2  | Ant0 | Back | 5mm | -51   | -87.5 | -207 | 165.1 |
| FR1 n71     | Ant4 |      | 5mm | -9.6 | 72.4  | -207 |       | FR1 n66     | Ant4 |      | 5mm | -11.2 | 72.7  | -207 |       |
| LTE Band 66 | Ant0 | Back | 5mm | -58  | -81.3 | -207 | 161.1 | LTE Band 71 | Ant0 | Back | 5mm | -51   | -81.2 | -207 | 157.0 |
| FR1 n71     | Ant4 |      | 5mm | -9.6 | 72.4  | -207 |       | FR1 n25     | Ant4 |      | 5mm | -10.1 | 70.4  | -207 |       |
| LTE Band 2  | Ant0 | Back | 5mm | -51  | -87.5 | -207 | 165.2 | LTE Band 12 | Ant0 | Back | 5mm | -40   | -85.3 | -207 | 158.5 |
| FR1 n71     | Ant4 |      | 5mm | -9.6 | 72.4  | -207 |       | FR1 n25     | Ant4 |      | 5mm | -10.1 | 70.4  | -207 |       |
| LTE Band 71 | Ant0 | Back | 5mm | -51  | -81.2 | -207 | 161.2 | LTE Band 13 | Ant0 | Back | 5mm | -52   | -78.6 | -207 | 154.8 |
| FR1 n12     | Ant4 |      | 5mm | -7.7 | 74.1  | -207 |       | FR1 n25     | Ant4 |      | 5mm | -10.1 | 70.4  | -207 |       |
| LTE Band 12 | Ant0 | Back | 5mm | -40  | -85.3 | -207 | 162.6 | LTE Band 14 | Ant0 | Back | 5mm | -41   | -94.2 | -207 | 167.5 |
| FR1 n12     | Ant4 |      | 5mm | -7.7 | 74.1  | -207 |       | FR1 n25     | Ant4 |      | 5mm | -10.1 | 70.4  | -207 |       |
| LTE Band 13 | Ant0 | Back | 5mm | -52  | -78.6 | -207 | 159.0 | LTE Band 26 | Ant0 | Back | 5mm | -52   | -80.2 | -207 | 156.3 |
| FR1 n12     | Ant4 |      | 5mm | -7.7 | 74.1  | -207 |       | FR1 n25     | Ant4 |      | 5mm | -10.1 | 70.4  | -207 |       |
| LTE Band 14 | Ant0 | Back | 5mm | -41  | -94.2 | -207 | 171.6 | LTE Band 66 | Ant0 | Back | 5mm | -58   | -81.3 | -207 | 159.1 |
| FR1 n12     | Ant4 |      | 5mm | -7.7 | 74.1  | -207 |       | FR1 n25     | Ant4 |      | 5mm | -10.1 | 70.4  | -207 |       |
| LTE Band 26 | Ant0 | Back | 5mm | -52  | -80.2 | -207 | 160.5 | LTE Band 2  | Ant0 | Back | 5mm | -51   | -87.5 | -207 | 163.1 |
| FR1 n12     | Ant4 |      | 5mm | -7.7 | 74.1  | -207 |       | FR1 n25     | Ant4 |      | 5mm | -10.1 | 70.4  | -207 |       |
| LTE Band 66 | Ant0 | Back | 5mm | -58  | -81.3 | -207 | 163.3 | LTE Band 71 | Ant0 | Back | 5mm | -51   | -81.2 | -207 | 155.0 |
| FR1 n12     | Ant4 |      | 5mm | -7.7 | 74.1  | -207 |       | FR1 n41     | Ant4 |      | 5mm | -11.2 | 68.6  | -207 |       |
| LTE Band 2  | Ant0 | Back | 5mm | -51  | -87.5 | -207 | 167.3 | LTE Band 12 | Ant0 | Back | 5mm | -40   | -85.3 | -207 | 156.6 |
| FR1 n12     | Ant4 |      | 5mm | -7.7 | 74.1  | -207 |       | FR1 n41     | Ant4 |      | 5mm | -11.2 | 68.6  | -207 |       |
| LTE Band 71 | Ant0 | Back | 5mm | -51  | -81.2 | -207 | 164.2 | LTE Band 13 | Ant0 | Back | 5mm | -52   | -78.6 | -207 | 152.7 |
| FR1 n5      | Ant4 |      | 5mm | -9.4 | 77.6  | -207 |       | FR1 n41     | Ant4 |      | 5mm | -11.2 | 68.6  | -207 |       |
| LTE Band 12 | Ant0 | Back | 5mm | -40  | -85.3 | -207 | 165.7 | LTE Band 14 | Ant0 | Back | 5mm | -41   | -94.2 | -207 | 165.5 |
| FR1 n5      | Ant4 |      | 5mm | -9.4 | 77.6  | -207 |       | FR1 n41     | Ant4 |      | 5mm | -11.2 | 68.6  | -207 |       |
| LTE Band 13 | Ant0 | Back | 5mm | -52  | -78.6 | -207 | 161.9 | LTE Band 26 | Ant0 | Back | 5mm | -52   | -80.2 | -207 | 154.3 |
| FR1 n5      | Ant4 |      | 5mm | -9.4 | 77.6  | -207 |       | FR1 n41     | Ant4 |      | 5mm | -11.2 | 68.6  | -207 |       |
| LTE Band 14 | Ant0 | Back | 5mm | -41  | -94.2 | -207 | 174.7 | LTE Band 66 | Ant0 | Back | 5mm | -58   | -81.3 | -207 | 157.0 |
| FR1 n5      | Ant4 |      | 5mm | -9.4 | 77.6  | -207 |       | FR1 n41     | Ant4 |      | 5mm | -11.2 | 68.6  | -207 |       |
| LTE Band 26 | Ant0 | Back | 5mm | -52  | -80.2 | -207 | 163.4 | LTE Band 2  | Ant0 | Back | 5mm | -51   | -87.5 | -207 | 161.1 |
| FR1 n5      | Ant4 |      | 5mm | -9.4 | 77.6  | -207 |       | FR1 n41     | Ant4 |      | 5mm | -11.2 | 68.6  | -207 |       |
| LTE Band 66 | Ant0 | Back | 5mm | -58  | -81.3 | -207 | 166.2 | LTE Band 48 | Ant5 | Back | 5mm | -34   | 75.5  | -207 | 159.4 |
| FR1 n5      | Ant4 |      | 5mm | -9.4 | 77.6  | -207 |       | FR1 n5      | Ant0 |      | 5mm | -63   | -81.2 | -207 |       |



|             |      |      |     |      |       |      |       |             |      |      |     |     |       |      |       |
|-------------|------|------|-----|------|-------|------|-------|-------------|------|------|-----|-----|-------|------|-------|
| LTE Band 2  | Ant0 | Back | 5mm | -51  | -87.5 | -207 | 170.3 | LTE Band 48 | Ant5 | Back | 5mm | -34 | 75.5  | -207 | 158.7 |
| FR1 n5      | Ant4 |      | 5mm | -9.4 | 77.6  | -207 |       | FR1 n66     | Ant0 |      | 5mm | -45 | -82.8 | -207 |       |
| LTE Band 48 | Ant5 | Back | 5mm | -34  | 75.5  | -207 | 161.9 | LTE Band 48 | Ant5 | Back | 5mm | -34 | 75.5  | -207 | 163.3 |
| FR1 n71     | Ant0 |      | 5mm | -53  | -85.3 | -207 |       | FR1 n2      | Ant0 |      | 5mm | -48 | -87.2 | -207 |       |

Note: According to the above tables the minimum distance is as follows:

| Simultaneous | Position | minimum 3D distance (mm) |
|--------------|----------|--------------------------|
| WWAN+WLAN/BT | Back 5mm | 133.5                    |



For Body-worn:  
Front

| Band        | Ant  | Position | Gap (mm) | SAR peak location (mm) |       |      | 3D distance (mm) | Band        | Ant  | Position | Gap (mm) | SAR peak location (mm) |      |      | 3D distance (mm) |
|-------------|------|----------|----------|------------------------|-------|------|------------------|-------------|------|----------|----------|------------------------|------|------|------------------|
|             |      |          |          | X                      | Y     | Z    |                  |             |      |          |          | X                      | Y    | Z    |                  |
| LTE Band 12 | Ant0 | Front    | 5mm      | 8.2                    | -67   | -207 | 145.3            | LTE Band 12 | Ant0 | Front    | 5mm      | 8.2                    | -67  | -207 | 143.6            |
| LTE Band 66 | Ant4 |          | 5mm      | -58.6                  | 62    | -207 |                  | LTE Band 5  | Ant4 |          | 5mm      | -62.4                  | 58   | -207 |                  |
| LTE Band 13 | Ant0 | Front    | 5mm      | 5.3                    | -63   | -207 | 140.4            | LTE Band 13 | Ant0 | Front    | 5mm      | 5.3                    | -63  | -207 | 138.7            |
| LTE Band 66 | Ant4 |          | 5mm      | -58.6                  | 62    | -207 |                  | LTE Band 5  | Ant4 |          | 5mm      | -62.4                  | 58   | -207 |                  |
| LTE Band 14 | Ant0 | Front    | 5mm      | 6.5                    | -78   | -207 | 154.4            | LTE Band 14 | Ant0 | Front    | 5mm      | 6.5                    | -78  | -207 | 152.5            |
| LTE Band 66 | Ant4 |          | 5mm      | -58.6                  | 62    | -207 |                  | LTE Band 5  | Ant4 |          | 5mm      | -62.4                  | 58   | -207 |                  |
| LTE Band 2  | Ant0 | Front    | 5mm      | 11.4                   | -65   | -207 | 145.0            | LTE Band 2  | Ant0 | Front    | 5mm      | 11.4                   | -65  | -207 | 143.4            |
| LTE Band 66 | Ant4 |          | 5mm      | -58.6                  | 62    | -207 |                  | LTE Band 5  | Ant4 |          | 5mm      | -62.4                  | 58   | -207 |                  |
| LTE Band 4  | Ant0 | Front    | 5mm      | 12.8                   | -84   | -207 | 162.5            | LTE Band 4  | Ant0 | Front    | 5mm      | 12.8                   | -84  | -207 | 160.7            |
| LTE Band 66 | Ant4 |          | 5mm      | -58.6                  | 62    | -207 |                  | LTE Band 5  | Ant4 |          | 5mm      | -62.4                  | 58   | -207 |                  |
| LTE Band 5  | Ant0 | Front    | 5mm      | 10.5                   | -64   | -207 | 143.7            | LTE Band 5  | Ant0 | Front    | 5mm      | 10.5                   | -64  | -207 | 142.1            |
| LTE Band 66 | Ant4 |          | 5mm      | -58.6                  | 62    | -207 |                  | LTE Band 5  | Ant4 |          | 5mm      | -62.4                  | 58   | -207 |                  |
| LTE Band 12 | Ant0 | Front    | 5mm      | 8.2                    | -67   | -207 | 143.1            | LTE Band 12 | Ant0 | Front    | 5mm      | 8.2                    | -67  | -207 | 143.1            |
| LTE Band 12 | Ant4 |          | 5mm      | -51.5                  | 63    | -207 |                  | BT          | Ant6 |          | 5mm      | -5.8                   | 75.4 | -207 |                  |
| LTE Band 13 | Ant0 | Front    | 5mm      | 5.3                    | -63   | -207 | 138.2            | LTE Band 13 | Ant0 | Front    | 5mm      | 5.3                    | -63  | -207 | 138.8            |
| LTE Band 12 | Ant4 |          | 5mm      | -51.5                  | 63    | -207 |                  | BT          | Ant6 |          | 5mm      | -5.8                   | 75.4 | -207 |                  |
| LTE Band 14 | Ant0 | Front    | 5mm      | 6.5                    | -78   | -207 | 152.5            | LTE Band 14 | Ant0 | Front    | 5mm      | 6.5                    | -78  | -207 | 153.9            |
| LTE Band 12 | Ant4 |          | 5mm      | -51.5                  | 63    | -207 |                  | BT          | Ant6 |          | 5mm      | -5.8                   | 75.4 | -207 |                  |
| LTE Band 2  | Ant0 | Front    | 5mm      | 11.4                   | -65   | -207 | 142.6            | LTE Band 2  | Ant0 | Front    | 5mm      | 11.4                   | -65  | -207 | 141.4            |
| LTE Band 12 | Ant4 |          | 5mm      | -51.5                  | 63    | -207 |                  | BT          | Ant6 |          | 5mm      | -5.8                   | 75.4 | -207 |                  |
| LTE Band 4  | Ant0 | Front    | 5mm      | 12.8                   | -84   | -207 | 160.4            | LTE Band 4  | Ant0 | Front    | 5mm      | 12.8                   | -84  | -207 | 160.5            |
| LTE Band 12 | Ant4 |          | 5mm      | -51.5                  | 63    | -207 |                  | BT          | Ant6 |          | 5mm      | -5.8                   | 75.4 | -207 |                  |
| LTE Band 5  | Ant0 | Front    | 5mm      | 10.5                   | -64   | -207 | 141.3            | LTE Band 5  | Ant0 | Front    | 5mm      | 10.5                   | -64  | -207 | 140.3            |
| LTE Band 12 | Ant4 |          | 5mm      | -51.5                  | 63    | -207 |                  | BT          | Ant6 |          | 5mm      | -5.8                   | 75.4 | -207 |                  |
| LTE Band 12 | Ant0 | Front    | 5mm      | 8.2                    | -67   | -207 | 137.5            | LTE Band 12 | Ant0 | Front    | 5mm      | 8.2                    | -67  | -207 | 144.0            |
| LTE Band 13 | Ant4 |          | 5mm      | -57.2                  | 54    | -207 |                  | WIFI 2.4G   | Ant6 |          | 5mm      | -5.8                   | 76.3 | -207 |                  |
| LTE Band 13 | Ant0 | Front    | 5mm      | 5.3                    | -63   | -207 | 132.6            | LTE Band 13 | Ant0 | Front    | 5mm      | 5.3                    | -63  | -207 | 139.7            |
| LTE Band 13 | Ant4 |          | 5mm      | -57.2                  | 54    | -207 |                  | WIFI 2.4G   | Ant6 |          | 5mm      | -5.8                   | 76.3 | -207 |                  |
| LTE Band 14 | Ant0 | Front    | 5mm      | 6.5                    | -78   | -207 | 146.6            | LTE Band 14 | Ant0 | Front    | 5mm      | 6.5                    | -78  | -207 | 154.8            |
| LTE Band 13 | Ant4 |          | 5mm      | -57.2                  | 54    | -207 |                  | WIFI 2.4G   | Ant6 |          | 5mm      | -5.8                   | 76.3 | -207 |                  |
| LTE Band 2  | Ant0 | Front    | 5mm      | 11.4                   | -65   | -207 | 137.4            | LTE Band 2  | Ant0 | Front    | 5mm      | 11.4                   | -65  | -207 | 142.3            |
| LTE Band 13 | Ant4 |          | 5mm      | -57.2                  | 54    | -207 |                  | WIFI 2.4G   | Ant6 |          | 5mm      | -5.8                   | 76.3 | -207 |                  |
| LTE Band 4  | Ant0 | Front    | 5mm      | 12.8                   | -84   | -207 | 154.7            | LTE Band 4  | Ant0 | Front    | 5mm      | 12.8                   | -84  | -207 | 161.4            |
| LTE Band 13 | Ant4 |          | 5mm      | -57.2                  | 54    | -207 |                  | WIFI 2.4G   | Ant6 |          | 5mm      | -5.8                   | 76.3 | -207 |                  |
| LTE Band 5  | Ant0 | Front    | 5mm      | 10.5                   | -64   | -207 | 136.0            | LTE Band 5  | Ant0 | Front    | 5mm      | 10.5                   | -64  | -207 | 141.2            |
| LTE Band 13 | Ant4 |          | 5mm      | -57.2                  | 54    | -207 |                  | WIFI 2.4G   | Ant6 |          | 5mm      | -5.8                   | 76.3 | -207 |                  |
| LTE Band 12 | Ant0 | Front    | 5mm      | 8.2                    | -67   | -207 | 141.3            | LTE Band 12 | Ant0 | Front    | 5mm      | 8.2                    | -67  | -207 | 147.4            |
| LTE Band 14 | Ant4 |          | 5mm      | -59.6                  | 57    | -207 |                  | WIFI 5G     | Ant6 |          | 5mm      | -6.3                   | 79.7 | -207 |                  |
| LTE Band 13 | Ant0 | Front    | 5mm      | 5.3                    | -63   | -207 | 136.4            | LTE Band 13 | Ant0 | Front    | 5mm      | 5.3                    | -63  | -207 | 143.2            |
| LTE Band 14 | Ant4 |          | 5mm      | -59.6                  | 57    | -207 |                  | WIFI 5G     | Ant6 |          | 5mm      | -6.3                   | 79.7 | -207 |                  |
| LTE Band 14 | Ant0 | Front    | 5mm      | 6.5                    | -78   | -207 | 150.3            | LTE Band 14 | Ant0 | Front    | 5mm      | 6.5                    | -78  | -207 | 158.2            |
| LTE Band 14 | Ant4 |          | 5mm      | -59.6                  | 57    | -207 |                  | WIFI 5G     | Ant6 |          | 5mm      | -6.3                   | 79.7 | -207 |                  |
| LTE Band 2  | Ant0 | Front    | 5mm      | 11.4                   | -65   | -207 | 141.2            | LTE Band 2  | Ant0 | Front    | 5mm      | 11.4                   | -65  | -207 | 145.8            |
| LTE Band 14 | Ant4 |          | 5mm      | -59.6                  | 57    | -207 |                  | WIFI 5G     | Ant6 |          | 5mm      | -6.3                   | 79.7 | -207 |                  |
| LTE Band 4  | Ant0 | Front    | 5mm      | 12.8                   | -84   | -207 | 158.5            | LTE Band 4  | Ant0 | Front    | 5mm      | 12.8                   | -84  | -207 | 164.8            |
| LTE Band 14 | Ant4 |          | 5mm      | -59.6                  | 57    | -207 |                  | WIFI 5G     | Ant6 |          | 5mm      | -6.3                   | 79.7 | -207 |                  |
| LTE Band 5  | Ant0 | Front    | 5mm      | 10.5                   | -64   | -207 | 139.8            | LTE Band 5  | Ant0 | Front    | 5mm      | 10.5                   | -64  | -207 | 144.7            |
| LTE Band 14 | Ant4 |          | 5mm      | -59.6                  | 57    | -207 |                  | WIFI 5G     | Ant6 |          | 5mm      | -6.3                   | 79.7 | -207 |                  |
| LTE Band 12 | Ant0 | Front    | 5mm      | -51.5                  | 63    | -207 | 154.2            | LTE Band 71 | Ant4 | Front    | 5mm      | -61.5                  | 58   | -207 | 154.8            |
| FR1 n30     | Ant1 |          | 5mm      | -53                    | -91.2 | -207 |                  | FR1 n25     | Ant0 |          | 5mm      | 12.4                   | -78  | -207 |                  |
| LTE Band 14 | Ant0 | Front    | 5mm      | -59.6                  | 57    | -207 | 148.3            | LTE Band 12 | Ant4 | Front    | 5mm      | -51.5                  | 63   | -207 | 154.8            |
| FR1 n30     | Ant1 |          | 5mm      | -53                    | -91.2 | -207 |                  | FR1 n25     | Ant0 |          | 5mm      | 12.4                   | -78  | -207 |                  |



|             |      |       |     |       |       |      |       |             |      |       |     |       |     |      |       |
|-------------|------|-------|-----|-------|-------|------|-------|-------------|------|-------|-----|-------|-----|------|-------|
| LTE Band 71 | Ant0 | Front | 5mm | -61.5 | 58    | -207 | 149.4 | LTE Band 13 | Ant4 | Front | 5mm | -57.2 | 54  | -207 | 149.2 |
| FR1 n30     | Ant1 |       | 5mm | -53   | -91.2 | -207 |       | FR1 n25     | Ant0 |       | 5mm | 12.4  | -78 | -207 |       |
| LTE Band 26 | Ant0 | Front | 5mm | -55.1 | 61    | -207 | 152.2 | LTE Band 14 | Ant4 | Front | 5mm | -59.6 | 57  | -207 | 153.0 |
| FR1 n30     | Ant1 |       | 5mm | -53   | -91.2 | -207 |       | FR1 n25     | Ant0 |       | 5mm | 12.4  | -78 | -207 |       |
| LTE Band 66 | Ant0 | Front | 5mm | -58.6 | 62    | -207 | 153.3 | LTE Band 26 | Ant4 | Front | 5mm | -55.1 | 61  | -207 | 154.5 |
| FR1 n30     | Ant1 |       | 5mm | -53   | -91.2 | -207 |       | FR1 n25     | Ant0 |       | 5mm | 12.4  | -78 | -207 |       |
| LTE Band 25 | Ant0 | Front | 5mm | -56.7 | 60    | -207 | 151.2 | LTE Band 66 | Ant4 | Front | 5mm | -58.6 | 62  | -207 | 157.0 |
| FR1 n30     | Ant1 |       | 5mm | -53   | -91.2 | -207 |       | FR1 n25     | Ant0 |       | 5mm | 12.4  | -78 | -207 |       |
| LTE Band 12 | Ant0 | Front | 5mm | -51.5 | 63    | -207 | 147.8 | LTE Band 2  | Ant4 | Front | 5mm | -61.5 | 58  | -207 | 154.8 |
| FR1 n41     | Ant1 |       | 5mm | -48   | -84.8 | -207 |       | FR1 n25     | Ant0 |       | 5mm | 12.4  | -78 | -207 |       |
| LTE Band 14 | Ant0 | Front | 5mm | -59.6 | 57    | -207 | 142.3 | LTE Band 5  | Ant4 | Front | 5mm | -62.4 | 58  | -207 | 155.2 |
| FR1 n41     | Ant1 |       | 5mm | -48   | -84.8 | -207 |       | FR1 n25     | Ant0 |       | 5mm | 12.4  | -78 | -207 |       |
| LTE Band 71 | Ant0 | Front | 5mm | -61.5 | 58    | -207 | 143.4 | LTE Band 71 | Ant4 | Front | 5mm | -61.5 | 58  | -207 | 143.2 |
| FR1 n41     | Ant1 |       | 5mm | -48   | -84.8 | -207 |       | FR1 n66     | Ant0 |       | 5mm | 11.8  | -65 | -207 |       |
| LTE Band 26 | Ant0 | Front | 5mm | -55.1 | 61    | -207 | 146.0 | LTE Band 12 | Ant4 | Front | 5mm | -51.5 | 63  | -207 | 142.8 |
| FR1 n41     | Ant1 |       | 5mm | -48   | -84.8 | -207 |       | FR1 n66     | Ant0 |       | 5mm | 11.8  | -65 | -207 |       |
| LTE Band 66 | Ant0 | Front | 5mm | -58.6 | 62    | -207 | 147.2 | LTE Band 13 | Ant4 | Front | 5mm | -57.2 | 54  | -207 | 137.6 |
| FR1 n41     | Ant1 |       | 5mm | -48   | -84.8 | -207 |       | FR1 n66     | Ant0 |       | 5mm | 11.8  | -65 | -207 |       |
| LTE Band 25 | Ant0 | Front | 5mm | -56.7 | 60    | -207 | 145.1 | LTE Band 14 | Ant4 | Front | 5mm | -59.6 | 57  | -207 | 141.4 |
| FR1 n41     | Ant1 |       | 5mm | -48   | -84.8 | -207 |       | FR1 n66     | Ant0 |       | 5mm | 11.8  | -65 | -207 |       |
| LTE Band 12 | Ant0 | Front | 5mm | -51.5 | 63    | -207 | 148.4 | LTE Band 26 | Ant4 | Front | 5mm | -55.1 | 61  | -207 | 142.7 |
| FR1 n7      | Ant1 |       | 5mm | -47   | -85.3 | -207 |       | FR1 n66     | Ant0 |       | 5mm | 11.8  | -65 | -207 |       |
| LTE Band 14 | Ant0 | Front | 5mm | -59.6 | 57    | -207 | 142.9 | LTE Band 66 | Ant4 | Front | 5mm | -58.6 | 62  | -207 | 145.2 |
| FR1 n7      | Ant1 |       | 5mm | -47   | -85.3 | -207 |       | FR1 n66     | Ant0 |       | 5mm | 11.8  | -65 | -207 |       |
| LTE Band 71 | Ant0 | Front | 5mm | -61.5 | 58    | -207 | 144.0 | LTE Band 2  | Ant4 | Front | 5mm | -61.5 | 58  | -207 | 143.2 |
| FR1 n7      | Ant1 |       | 5mm | -47   | -85.3 | -207 |       | FR1 n66     | Ant0 |       | 5mm | 11.8  | -65 | -207 |       |
| LTE Band 26 | Ant0 | Front | 5mm | -55.1 | 61    | -207 | 146.5 | LTE Band 5  | Ant4 | Front | 5mm | -62.4 | 58  | -207 | 143.6 |
| FR1 n7      | Ant1 |       | 5mm | -47   | -85.3 | -207 |       | FR1 n66     | Ant0 |       | 5mm | 11.8  | -65 | -207 |       |
| LTE Band 66 | Ant0 | Front | 5mm | -58.6 | 62    | -207 | 147.8 | LTE Band 71 | Ant4 | Front | 5mm | -61.5 | 58  | -207 | 143.2 |
| FR1 n7      | Ant1 |       | 5mm | -47   | -85.3 | -207 |       | FR1 n66     | Ant0 |       | 5mm | 11.8  | -65 | -207 |       |
| LTE Band 25 | Ant0 | Front | 5mm | -56.7 | 60    | -207 | 145.6 | LTE Band 12 | Ant4 | Front | 5mm | -51.5 | 63  | -207 | 148.7 |
| FR1 n7      | Ant1 |       | 5mm | -47   | -85.3 | -207 |       | FR1 n5      | Ant0 |       | 5mm | 10.8  | -72 | -207 |       |
| FR1 n30     | Ant1 | Front | 5mm | -53   | -91.2 | -207 | 173.2 | LTE Band 13 | Ant4 | Front | 5mm | -57.2 | 54  | -207 | 143.2 |
| BT          | Ant6 |       | 5mm | -5.8  | 75.4  | -207 |       | FR1 n5      | Ant0 |       | 5mm | 10.8  | -72 | -207 |       |
| FR1 n41     | Ant1 | Front | 5mm | -48   | -84.8 | -207 | 165.7 | LTE Band 14 | Ant4 | Front | 5mm | -59.6 | 57  | -207 | 147.0 |
| BT          | Ant6 |       | 5mm | -5.8  | 75.4  | -207 |       | FR1 n5      | Ant0 |       | 5mm | 10.8  | -72 | -207 |       |
| FR1 n7      | Ant1 | Front | 5mm | -47   | -85.3 | -207 | 165.9 | LTE Band 26 | Ant4 | Front | 5mm | -55.1 | 61  | -207 | 148.4 |
| BT          | Ant6 |       | 5mm | -5.8  | 75.4  | -207 |       | FR1 n5      | Ant0 |       | 5mm | 10.8  | -72 | -207 |       |
| FR1 n30     | Ant1 | Front | 5mm | -53   | -91.2 | -207 | 174.0 | LTE Band 66 | Ant4 | Front | 5mm | -58.6 | 62  | -207 | 150.9 |
| WIFI 2.4G   | Ant6 |       | 5mm | -5.8  | 76.3  | -207 |       | FR1 n5      | Ant0 |       | 5mm | 10.8  | -72 | -207 |       |
| FR1 n41     | Ant1 | Front | 5mm | -48   | -84.8 | -207 | 166.5 | LTE Band 2  | Ant4 | Front | 5mm | -61.5 | 58  | -207 | 148.8 |
| WIFI 2.4G   | Ant6 |       | 5mm | -5.8  | 76.3  | -207 |       | FR1 n5      | Ant0 |       | 5mm | 10.8  | -72 | -207 |       |
| FR1 n7      | Ant1 | Front | 5mm | -47   | -85.3 | -207 | 166.8 | LTE Band 5  | Ant4 | Front | 5mm | -62.4 | 58  | -207 | 149.2 |
| WIFI 2.4G   | Ant6 |       | 5mm | -5.8  | 76.3  | -207 |       | FR1 n5      | Ant0 |       | 5mm | 10.8  | -72 | -207 |       |
| FR1 n30     | Ant1 | Front | 5mm | -53   | -91.2 | -207 | 177.2 | LTE Band 71 | Ant4 | Front | 5mm | -61.5 | 58  | -207 | 148.8 |
| WIFI 5G     | Ant6 |       | 5mm | -6.3  | 79.7  | -207 |       | FR1 n5      | Ant0 |       | 5mm | 10.8  | -72 | -207 |       |
| FR1 n41     | Ant1 | Front | 5mm | -48   | -84.8 | -207 | 169.7 | LTE Band 12 | Ant4 | Front | 5mm | -51.5 | 63  | -207 | 139.8 |
| WIFI 5G     | Ant6 |       | 5mm | -6.3  | 79.7  | -207 |       | FR1 n71     | Ant0 |       | 5mm | 9.1   | -63 | -207 |       |
| FR1 n7      | Ant1 | Front | 5mm | -47   | -85.3 | -207 | 169.9 | LTE Band 13 | Ant4 | Front | 5mm | -57.2 | 54  | -207 | 134.5 |
| WIFI 5G     | Ant6 |       | 5mm | -6.3  | 79.7  | -207 |       | FR1 n71     | Ant0 |       | 5mm | 9.1   | -63 | -207 |       |
| LTE Band 12 | Ant0 | Front | 5mm | 8.2   | -67   | -207 | 154.8 | LTE Band 14 | Ant4 | Front | 5mm | -59.6 | 57  | -207 | 138.3 |
| FR1 n77     | Ant5 |       | 5mm | -31   | 82.8  | -207 |       | FR1 n71     | Ant0 |       | 5mm | 9.1   | -63 | -207 |       |
| LTE Band 13 | Ant0 | Front | 5mm | 5.3   | -63   | -207 | 150.3 | LTE Band 26 | Ant4 | Front | 5mm | -55.1 | 61  | -207 | 139.6 |
| FR1 n77     | Ant5 |       | 5mm | -31   | 82.8  | -207 |       | FR1 n71     | Ant0 |       | 5mm | 9.1   | -63 | -207 |       |
| LTE Band 14 | Ant0 | Front | 5mm | 6.5   | -78   | -207 | 264.8 | LTE Band 66 | Ant4 | Front | 5mm | -58.6 | 62  | -207 | 142.2 |
| FR1 n77     | Ant5 |       | 5mm | -31   | 82.8  |      |       | FR1 n71     | Ant0 |       | 5mm | 9.1   | -63 | -207 |       |



|             |      |       |     |      |      |      |       |             |      |       |     |       |       |      |       |
|-------------|------|-------|-----|------|------|------|-------|-------------|------|-------|-----|-------|-------|------|-------|
| LTE Band 25 | Ant0 | Front | 5mm | 9.6  | -71  | -207 | 159.1 | LTE Band 2  | Ant4 | Front | 5mm | -61.5 | 58    | -207 | 140.1 |
| FR1 n77     | Ant5 |       | 5mm | -31  | 82.8 | -207 |       | FR1 n71     | Ant0 |       | 5mm | 9.1   | -63   | -207 |       |
| LTE Band 26 | Ant0 | Front | 5mm | 11.9 | -69  | -207 | 157.7 | LTE Band 5  | Ant4 | Front | 5mm | -62.4 | 58    | -207 | 140.5 |
| FR1 n77     | Ant5 |       | 5mm | -31  | 82.8 | -207 |       | FR1 n71     | Ant0 |       | 5mm | 9.1   | -63   | -207 |       |
| LTE Band 66 | Ant0 | Front | 5mm | 13.4 | -68  | -207 | 157.2 | FR1 n25     | Ant0 | Front | 5mm | 12.4  | -78   | -207 | 154.5 |
| FR1 n77     | Ant5 |       | 5mm | -31  | 82.8 | -207 |       | BT          | Ant6 |       | 5mm | -5.8  | 75.4  | -207 |       |
| LTE Band 71 | Ant0 | Front | 5mm | 7.3  | -55  | -207 | 143.0 | FR1 n66     | Ant0 | Front | 5mm | 11.8  | -65   | -207 | 141.5 |
| FR1 n77     | Ant5 |       | 5mm | -31  | 82.8 | -207 |       | BT          | Ant6 |       | 5mm | -5.8  | 75.4  | -207 |       |
| LTE Band 12 | Ant0 | Front | 5mm | 8.2  | -67  | -207 | 151.6 | FR1 n5      | Ant0 | Front | 5mm | 10.8  | -72   | -207 | 148.3 |
| FR1 n48     | Ant5 |       | 5mm | -38  | 77.4 | -207 |       | BT          | Ant6 |       | 5mm | -5.8  | 75.4  | -207 |       |
| LTE Band 13 | Ant0 | Front | 5mm | 5.3  | -63  | -207 | 146.9 | FR1 n71     | Ant0 | Front | 5mm | 9.1   | -63   | -207 | 139.2 |
| FR1 n48     | Ant5 |       | 5mm | -38  | 77.4 | -207 |       | BT          | Ant6 |       | 5mm | -5.8  | 75.4  | -207 |       |
| LTE Band 14 | Ant0 | Front | 5mm | 6.5  | -78  | -207 | 161.6 | FR1 n25     | Ant0 | Front | 5mm | 12.4  | -78   | -207 | 155.4 |
| FR1 n48     | Ant5 |       | 5mm | -38  | 77.4 | -207 |       | WIFI 2.4G   | Ant6 |       | 5mm | -5.8  | 76.3  | -207 |       |
| LTE Band 25 | Ant0 | Front | 5mm | 9.6  | -71  | -207 | 155.8 | FR1 n66     | Ant0 | Front | 5mm | 11.8  | -65   | -207 | 142.4 |
| FR1 n48     | Ant5 |       | 5mm | -38  | 77.4 | -207 |       | WIFI 2.4G   | Ant6 |       | 5mm | -5.8  | 76.3  | -207 |       |
| LTE Band 26 | Ant0 | Front | 5mm | 11.9 | -69  | -207 | 154.7 | FR1 n5      | Ant0 | Front | 5mm | 10.8  | -72   | -207 | 149.2 |
| FR1 n48     | Ant5 |       | 5mm | -38  | 77.4 | -207 |       | WIFI 2.4G   | Ant6 |       | 5mm | -5.8  | 76.3  | -207 |       |
| LTE Band 66 | Ant0 | Front | 5mm | 13.4 | -68  | -207 | 154.2 | FR1 n71     | Ant0 | Front | 5mm | 9.1   | -63   | -207 | 140.1 |
| FR1 n48     | Ant5 |       | 5mm | -38  | 77.4 | -207 |       | WIFI 2.4G   | Ant6 |       | 5mm | -5.8  | 76.3  | -207 |       |
| LTE Band 71 | Ant0 | Front | 5mm | 7.3  | -55  | -207 | 139.9 | FR1 n25     | Ant0 | Front | 5mm | 12.4  | -78   | -207 | 158.8 |
| FR1 n48     | Ant5 |       | 5mm | -38  | 77.4 | -207 |       | WIFI 5G     | Ant6 |       | 5mm | -6.3  | 79.7  | -207 |       |
| LTE Band 12 | Ant0 | Front | 5mm | 8.2  | -67  | -207 | 143.1 | FR1 n66     | Ant0 | Front | 5mm | 11.8  | -65   | -207 | 145.8 |
| BT          | Ant6 |       | 5mm | -5.8 | 75.4 | -207 |       | WIFI 5G     | Ant6 |       | 5mm | -6.3  | 79.7  | -207 |       |
| LTE Band 13 | Ant0 | Front | 5mm | 5.3  | -63  | -207 | 138.8 | FR1 n5      | Ant0 | Front | 5mm | 10.8  | -72   | -207 | 152.7 |
| BT          | Ant6 |       | 5mm | -5.8 | 75.4 | -207 |       | WIFI 5G     | Ant6 |       | 5mm | -6.3  | 79.7  | -207 |       |
| LTE Band 14 | Ant0 | Front | 5mm | 6.5  | -78  | -207 | 153.9 | FR1 n71     | Ant0 | Front | 5mm | 9.1   | -63   | -207 | 143.5 |
| BT          | Ant6 |       | 5mm | -5.8 | 75.4 | -207 |       | WIFI 5G     | Ant6 |       | 5mm | -6.3  | 79.7  | -207 |       |
| LTE Band 25 | Ant0 | Front | 5mm | 9.6  | -71  | -207 | 147.2 | LTE Band 30 | Ant1 | Front | 5mm | -45   | -89.7 | -207 | 149.0 |
| BT          | Ant6 |       | 5mm | -5.8 | 75.4 | -207 |       | FR1 n5      | Ant4 |       | 5mm | -54.9 | 59    | -207 |       |
| LTE Band 26 | Ant0 | Front | 5mm | 11.9 | -69  | -207 | 145.5 | LTE Band 7  | Ant1 | Front | 5mm | -47   | -85.5 | -207 | 144.7 |
| BT          | Ant6 |       | 5mm | -5.8 | 75.4 | -207 |       | FR1 n5      | Ant4 |       | 5mm | -54.9 | 59    | -207 |       |
| LTE Band 66 | Ant0 | Front | 5mm | 13.4 | -68  | -207 | 144.7 | LTE Band 30 | Ant1 | Front | 5mm | -45   | -89.7 | -207 | 147.1 |
| BT          | Ant6 |       | 5mm | -5.8 | 75.4 | -207 |       | FR1 n66     | Ant4 |       | 5mm | -55.2 | 57    | -207 |       |
| LTE Band 71 | Ant0 | Front | 5mm | 7.3  | -55  | -207 | 131.1 | LTE Band 7  | Ant1 | Front | 5mm | -47   | -85.5 | -207 | 142.7 |
| BT          | Ant6 |       | 5mm | -5.8 | 75.4 | -207 |       | FR1 n66     | Ant4 |       | 5mm | -55.2 | 57    | -207 |       |
| LTE Band 12 | Ant0 | Front | 5mm | 8.2  | -67  | -207 | 144.0 | LTE Band 30 | Ant1 | Front | 5mm | -45   | -89.7 | -207 | 150.2 |
| WIFI 2.4G   | Ant6 |       | 5mm | -5.8 | 76.3 | -207 |       | FR1 n25     | Ant4 |       | 5mm | -56.7 | 60    | -207 |       |
| LTE Band 13 | Ant0 | Front | 5mm | 5.3  | -63  | -207 | 139.7 | LTE Band 7  | Ant1 | Front | 5mm | -47   | -85.5 | -207 | 145.8 |
| WIFI 2.4G   | Ant6 |       | 5mm | -5.8 | 76.3 | -207 |       | FR1 n25     | Ant4 |       | 5mm | -56.7 | 60    | -207 |       |
| LTE Band 14 | Ant0 | Front | 5mm | 6.5  | -78  | -207 | 154.8 | LTE Band 30 | Ant1 | Front | 5mm | -45   | -89.7 | -207 | 169.7 |
| WIFI 2.4G   | Ant6 |       | 5mm | -5.8 | 76.3 | -207 |       | BT          | Ant6 |       | 5mm | -5.8  | 75.4  | -207 |       |
| LTE Band 25 | Ant0 | Front | 5mm | 9.6  | -71  | -207 | 148.1 | LTE Band 7  | Ant1 | Front | 5mm | -47   | -85.5 | -207 | 166.1 |
| WIFI 2.4G   | Ant6 |       | 5mm | -5.8 | 76.3 | -207 |       | BT          | Ant6 |       | 5mm | -5.8  | 75.4  | -207 |       |
| LTE Band 26 | Ant0 | Front | 5mm | 11.9 | -69  | -207 | 146.4 | LTE Band 30 | Ant1 | Front | 5mm | -45   | -89.7 | -207 | 170.6 |
| WIFI 2.4G   | Ant6 |       | 5mm | -5.8 | 76.3 | -207 |       | WIFI 2.4G   | Ant6 |       | 5mm | -5.8  | 76.3  | -207 |       |
| LTE Band 66 | Ant0 | Front | 5mm | 13.4 | -68  | -207 | 145.6 | LTE Band 7  | Ant1 | Front | 5mm | -47   | -85.5 | -207 | 167.0 |
| WIFI 2.4G   | Ant6 |       | 5mm | -5.8 | 76.3 | -207 |       | WIFI 2.4G   | Ant6 |       | 5mm | -5.8  | 76.3  | -207 |       |
| LTE Band 71 | Ant0 | Front | 5mm | 7.3  | -55  | -207 | 132.0 | LTE Band 30 | Ant1 | Front | 5mm | -45   | -89.7 | -207 | 173.8 |
| WIFI 2.4G   | Ant6 |       | 5mm | -5.8 | 76.3 | -207 |       | WIFI 5G     | Ant6 |       | 5mm | -6.3  | 79.7  | -207 |       |
| LTE Band 12 | Ant0 | Front | 5mm | 8.2  | -67  | -207 | 147.4 | LTE Band 7  | Ant1 | Front | 5mm | -47   | -85.5 | -207 | 170.1 |
| WIFI 5G     | Ant6 |       | 5mm | -6.3 | 79.7 | -207 |       | WIFI 5G     | Ant6 |       | 5mm | -6.3  | 79.7  | -207 |       |
| LTE Band 13 | Ant0 | Front | 5mm | 5.3  | -63  | -207 | 143.2 | LTE Band 2  | Ant0 | Front | 5mm | 11.4  | -65   | -207 | 141.4 |
| WIFI 5G     | Ant6 |       | 5mm | -6.3 | 79.7 | -207 |       | BT          | Ant6 |       | 5mm | -5.8  | 75.4  | -207 |       |
| LTE Band 14 | Ant0 | Front | 5mm | 6.5  | -78  | -207 | 158.2 | LTE Band 4  | Ant0 | Front | 5mm | 12.8  | -84   | -207 | 160.5 |
| WIFI 5G     | Ant6 |       | 5mm | -6.3 | 79.7 | -207 |       | BT          | Ant6 |       | 5mm | -5.8  | 75.4  | -207 |       |



|             |      |       |     |       |      |      |       |             |      |       |     |       |      |      |       |
|-------------|------|-------|-----|-------|------|------|-------|-------------|------|-------|-----|-------|------|------|-------|
| LTE Band 25 | Ant0 | Front | 5mm | 9.6   | -71  | -207 | 151.5 | LTE Band 5  | Ant0 | Front | 5mm | 10.5  | -64  | -207 | 140.3 |
| WIFI 5G     | Ant6 |       | 5mm | -6.3  | 79.7 | -207 |       | BT          | Ant6 |       | 5mm | -5.8  | 75.4 | -207 |       |
| LTE Band 26 | Ant0 | Front | 5mm | 11.9  | -69  | -207 | 149.8 | LTE Band 12 | Ant0 | Front | 5mm | 8.2   | -67  | -207 | 143.1 |
| WIFI 5G     | Ant6 |       | 5mm | -6.3  | 79.7 | -207 |       | BT          | Ant6 |       | 5mm | -5.8  | 75.4 | -207 |       |
| LTE Band 66 | Ant0 | Front | 5mm | 13.4  | -68  | -207 | 149.0 | LTE Band 13 | Ant0 | Front | 5mm | 5.3   | -63  | -207 | 138.8 |
| WIFI 5G     | Ant6 |       | 5mm | -6.3  | 79.7 | -207 |       | BT          | Ant6 |       | 5mm | -5.8  | 75.4 | -207 |       |
| LTE Band 71 | Ant0 | Front | 5mm | 7.3   | -55  | -207 | 135.4 | LTE Band 14 | Ant0 | Front | 5mm | 6.5   | -78  | -207 | 153.9 |
| WIFI 5G     | Ant6 |       | 5mm | -6.3  | 79.7 | -207 |       | BT          | Ant6 |       | 5mm | -5.8  | 75.4 | -207 |       |
| LTE Band 2  | Ant0 | Front | 5mm | 11.4  | -65  | -207 | 137.7 | LTE Band 26 | Ant0 | Front | 5mm | 11.9  | -69  | -207 | 145.5 |
| FR1 n12     | Ant4 |       | 5mm | -61.3 | 52   | -207 |       | BT          | Ant6 |       | 5mm | -5.8  | 75.4 | -207 |       |
| LTE Band 4  | Ant0 | Front | 5mm | 12.8  | -84  | -207 | 154.9 | LTE Band 66 | Ant0 | Front | 5mm | 13.4  | -69  | -207 | 145.7 |
| FR1 n12     | Ant4 |       | 5mm | -61.3 | 52   | -207 |       | BT          | Ant6 |       | 5mm | -5.8  | 75.4 | -207 |       |
| LTE Band 5  | Ant0 | Front | 5mm | 10.5  | -64  | -207 | 136.4 | LTE Band 71 | Ant0 | Front | 5mm | 7.3   | -55  | -207 | 131.1 |
| FR1 n12     | Ant4 |       | 5mm | -61.3 | 52   | -207 |       | BT          | Ant6 |       | 5mm | -5.8  | 75.4 | -207 |       |
| LTE Band 12 | Ant0 | Front | 5mm | 8.2   | -67  | -207 | 137.8 | LTE Band 2  | Ant0 | Front | 5mm | 11.4  | -65  | -207 | 142.3 |
| FR1 n12     | Ant4 |       | 5mm | -61.3 | 52   | -207 |       | WIFI 2.4G   | Ant6 |       | 5mm | -5.8  | 76.3 | -207 |       |
| LTE Band 13 | Ant0 | Front | 5mm | 5.3   | -63  | -207 | 132.9 | LTE Band 4  | Ant0 | Front | 5mm | 12.8  | -84  | -207 | 161.4 |
| FR1 n12     | Ant4 |       | 5mm | -61.3 | 52   | -207 |       | WIFI 2.4G   | Ant6 |       | 5mm | -5.8  | 76.3 | -207 |       |
| LTE Band 14 | Ant0 | Front | 5mm | 6.5   | -78  | -207 | 146.6 | LTE Band 5  | Ant0 | Front | 5mm | 10.5  | -64  | -207 | 141.2 |
| FR1 n12     | Ant4 |       | 5mm | -61.3 | 52   | -207 |       | WIFI 2.4G   | Ant6 |       | 5mm | -5.8  | 76.3 | -207 |       |
| LTE Band 26 | Ant0 | Front | 5mm | 11.9  | -69  | -207 | 141.4 | LTE Band 12 | Ant0 | Front | 5mm | 8.2   | -67  | -207 | 144.0 |
| FR1 n12     | Ant4 |       | 5mm | -61.3 | 52   | -207 |       | WIFI 2.4G   | Ant6 |       | 5mm | -5.8  | 76.3 | -207 |       |
| LTE Band 66 | Ant0 | Front | 5mm | 13.4  | -69  | -207 | 142.2 | LTE Band 13 | Ant0 | Front | 5mm | 5.3   | -63  | -207 | 139.7 |
| FR1 n12     | Ant4 |       | 5mm | -61.3 | 52   | -207 |       | WIFI 2.4G   | Ant6 |       | 5mm | -5.8  | 76.3 | -207 |       |
| LTE Band 71 | Ant0 | Front | 5mm | 7.3   | -55  | -207 | 127.1 | LTE Band 14 | Ant0 | Front | 5mm | 6.5   | -78  | -207 | 154.8 |
| FR1 n12     | Ant4 |       | 5mm | -61.3 | 52   | -207 |       | WIFI 2.4G   | Ant6 |       | 5mm | -5.8  | 76.3 | -207 |       |
| LTE Band 2  | Ant0 | Front | 5mm | 11.4  | -65  | -207 | 140.6 | LTE Band 26 | Ant0 | Front | 5mm | 11.9  | -69  | -207 | 146.4 |
| FR1 n5      | Ant4 |       | 5mm | -54.9 | 59   | -207 |       | WIFI 2.4G   | Ant6 |       | 5mm | -5.8  | 76.3 | -207 |       |
| LTE Band 4  | Ant0 | Front | 5mm | 12.8  | -84  | -207 | 158.2 | LTE Band 66 | Ant0 | Front | 5mm | 13.4  | -69  | -207 | 146.6 |
| FR1 n5      | Ant4 |       | 5mm | -54.9 | 59   | -207 |       | WIFI 2.4G   | Ant6 |       | 5mm | -5.8  | 76.3 | -207 |       |
| LTE Band 5  | Ant0 | Front | 5mm | 10.5  | -64  | -207 | 139.3 | LTE Band 71 | Ant0 | Front | 5mm | 7.3   | -55  | -207 | 132.0 |
| FR1 n5      | Ant4 |       | 5mm | -54.9 | 59   | -207 |       | WIFI 2.4G   | Ant6 |       | 5mm | -5.8  | 76.3 | -207 |       |
| LTE Band 12 | Ant0 | Front | 5mm | 8.2   | -67  | -207 | 140.9 | LTE Band 2  | Ant0 | Front | 5mm | 11.4  | -65  | -207 | 145.8 |
| FR1 n5      | Ant4 |       | 5mm | -54.9 | 59   | -207 |       | WIFI 5G     | Ant6 |       | 5mm | -6.3  | 79.7 | -207 |       |
| LTE Band 13 | Ant0 | Front | 5mm | 5.3   | -63  | -207 | 136.0 | LTE Band 4  | Ant0 | Front | 5mm | 12.8  | -84  | -207 | 164.8 |
| FR1 n5      | Ant4 |       | 5mm | -54.9 | 59   | -207 |       | WIFI 5G     | Ant6 |       | 5mm | -6.3  | 79.7 | -207 |       |
| LTE Band 14 | Ant0 | Front | 5mm | 6.5   | -78  | -207 | 150.1 | LTE Band 5  | Ant0 | Front | 5mm | 10.5  | -64  | -207 | 144.7 |
| FR1 n5      | Ant4 |       | 5mm | -54.9 | 59   | -207 |       | WIFI 5G     | Ant6 |       | 5mm | -6.3  | 79.7 | -207 |       |
| LTE Band 26 | Ant0 | Front | 5mm | 11.9  | -69  | -207 | 144.4 | LTE Band 12 | Ant0 | Front | 5mm | 8.2   | -67  | -207 | 147.4 |
| FR1 n5      | Ant4 |       | 5mm | -54.9 | 59   | -207 |       | WIFI 5G     | Ant6 |       | 5mm | -6.3  | 79.7 | -207 |       |
| LTE Band 66 | Ant0 | Front | 5mm | 13.4  | -69  | -207 | 145.1 | LTE Band 13 | Ant0 | Front | 5mm | 5.3   | -63  | -207 | 143.2 |
| FR1 n5      | Ant4 |       | 5mm | -54.9 | 59   | -207 |       | WIFI 5G     | Ant6 |       | 5mm | -6.3  | 79.7 | -207 |       |
| LTE Band 71 | Ant0 | Front | 5mm | 7.3   | -55  | -207 | 129.9 | LTE Band 14 | Ant0 | Front | 5mm | 6.5   | -78  | -207 | 158.2 |
| FR1 n5      | Ant4 |       | 5mm | -54.9 | 59   | -207 |       | WIFI 5G     | Ant6 |       | 5mm | -6.3  | 79.7 | -207 |       |
| LTE Band 2  | Ant0 | Front | 5mm | 11.4  | -65  | -207 | 139.0 | LTE Band 26 | Ant0 | Front | 5mm | 11.9  | -69  | -207 | 149.8 |
| FR1 n66     | Ant4 |       | 5mm | -55.2 | 57   | -207 |       | WIFI 5G     | Ant6 |       | 5mm | -6.3  | 79.7 | -207 |       |
| LTE Band 4  | Ant0 | Front | 5mm | 12.8  | -84  | -207 | 156.5 | LTE Band 66 | Ant0 | Front | 5mm | 13.4  | -69  | -207 | 150.0 |
| FR1 n66     | Ant4 |       | 5mm | -55.2 | 57   | -207 |       | WIFI 5G     | Ant6 |       | 5mm | -6.3  | 79.7 | -207 |       |
| LTE Band 5  | Ant0 | Front | 5mm | 10.5  | -64  | -207 | 137.7 | LTE Band 71 | Ant0 | Front | 5mm | 7.3   | -55  | -207 | 135.4 |
| FR1 n66     | Ant4 |       | 5mm | -55.2 | 57   | -207 |       | WIFI 5G     | Ant6 |       | 5mm | -6.3  | 79.7 | -207 |       |
| LTE Band 12 | Ant0 | Front | 5mm | 8.2   | -67  | -207 | 139.3 | LTE Band 2  | Ant0 | Front | 5mm | 11.4  | -65  | -207 | 146.5 |
| FR1 n66     | Ant4 |       | 5mm | -55.2 | 57   | -207 |       | FR1 n71     | Ant4 |       | 5mm | -54.1 | 66   | -207 |       |
| LTE Band 13 | Ant0 | Front | 5mm | 5.3   | -63  | -207 | 134.4 | LTE Band 4  | Ant0 | Front | 5mm | 12.8  | -84  | -207 | 164.2 |
| FR1 n66     | Ant4 |       | 5mm | -55.2 | 57   | -207 |       | FR1 n71     | Ant4 |       | 5mm | -54.1 | 66   | -207 |       |
| LTE Band 14 | Ant0 | Front | 5mm | 6.5   | -78  | -207 | 148.4 | LTE Band 5  | Ant0 | Front | 5mm | 10.5  | -64  | -207 | 145.2 |
| FR1 n66     | Ant4 |       | 5mm | -55.2 | 57   | -207 |       | FR1 n71     | Ant4 |       | 5mm | -54.1 | 66   | -207 |       |





|             |      |       |     |       |     |      |       |             |      |       |     |       |     |      |       |
|-------------|------|-------|-----|-------|-----|------|-------|-------------|------|-------|-----|-------|-----|------|-------|
| LTE Band 26 | Ant0 | Front | 5mm | 11.9  | -69 | -207 | 142.8 | LTE Band 12 | Ant0 | Front | 5mm | 8.2   | -67 | -207 | 146.9 |
| FR1 n66     | Ant4 |       | 5mm | -55.2 | 57  | -207 |       | FR1 n71     | Ant4 |       | 5mm | -54.1 | 66  | -207 |       |
| LTE Band 66 | Ant0 | Front | 5mm | 13.4  | -69 | -207 | 143.5 | LTE Band 13 | Ant0 | Front | 5mm | 5.3   | -63 | -207 | 142.0 |
| FR1 n66     | Ant4 |       | 5mm | -55.2 | 57  | -207 |       | FR1 n71     | Ant4 |       | 5mm | -54.1 | 66  | -207 |       |
| LTE Band 71 | Ant0 | Front | 5mm | 7.3   | -55 | -207 | 128.3 | LTE Band 14 | Ant0 | Front | 5mm | 6.5   | -78 | -207 | 156.2 |
| FR1 n66     | Ant4 |       | 5mm | -55.2 | 57  | -207 |       | FR1 n71     | Ant4 |       | 5mm | -54.1 | 66  | -207 |       |
| LTE Band 2  | Ant0 | Front | 5mm | 11.4  | -65 | -207 | 142.3 | LTE Band 26 | Ant0 | Front | 5mm | 11.9  | -69 | -207 | 150.3 |
| FR1 n25     | Ant4 |       | 5mm | -56.7 | 60  | -207 |       | FR1 n71     | Ant4 |       | 5mm | -54.1 | 66  | -207 |       |
| LTE Band 4  | Ant0 | Front | 5mm | 12.8  | -84 | -207 | 159.9 | LTE Band 66 | Ant0 | Front | 5mm | 13.4  | -69 | -207 | 150.9 |
| FR1 n25     | Ant4 |       | 5mm | -56.7 | 60  | -207 |       | FR1 n71     | Ant4 |       | 5mm | -54.1 | 66  | -207 |       |
| LTE Band 5  | Ant0 | Front | 5mm | 10.5  | -64 | -207 | 141.0 | LTE Band 71 | Ant0 | Front | 5mm | 7.3   | -55 | -207 | 135.7 |
| FR1 n25     | Ant4 |       | 5mm | -56.7 | 60  | -207 |       | FR1 n71     | Ant4 |       | 5mm | -54.1 | 66  | -207 |       |
| LTE Band 12 | Ant0 | Front | 5mm | 8.2   | -67 | -207 | 142.6 |             |      |       |     |       |     |      |       |
| FR1 n25     | Ant4 |       | 5mm | -56.7 | 60  | -207 |       |             |      |       |     |       |     |      |       |
| LTE Band 13 | Ant0 | Front | 5mm | 5.3   | -63 | -207 | 137.7 |             |      |       |     |       |     |      |       |
| FR1 n25     | Ant4 |       | 5mm | -56.7 | 60  | -207 |       |             |      |       |     |       |     |      |       |
| LTE Band 14 | Ant0 | Front | 5mm | 6.5   | -78 | -207 | 151.8 |             |      |       |     |       |     |      |       |
| FR1 n25     | Ant4 |       | 5mm | -56.7 | 60  | -207 |       |             |      |       |     |       |     |      |       |
| LTE Band 26 | Ant0 | Front | 5mm | 11.9  | -69 | -207 | 146.1 |             |      |       |     |       |     |      |       |
| FR1 n25     | Ant4 |       | 5mm | -56.7 | 60  | -207 |       |             |      |       |     |       |     |      |       |
| LTE Band 66 | Ant0 | Front | 5mm | 13.4  | -69 | -207 | 146.8 |             |      |       |     |       |     |      |       |
| FR1 n25     | Ant4 |       | 5mm | -56.7 | 60  | -207 |       |             |      |       |     |       |     |      |       |
| LTE Band 71 | Ant0 | Front | 5mm | 7.3   | -55 | -207 | 131.6 |             |      |       |     |       |     |      |       |
| FR1 n25     | Ant4 |       | 5mm | -56.7 | 60  | -207 |       |             |      |       |     |       |     |      |       |

Note: According to the above tables the minimum distance is as follows:

| Simultaneous | Position  | minimum 3D distance (mm) |
|--------------|-----------|--------------------------|
| WWAN+WLAN/BT | Front 5mm | 127.1                    |

Sensor off

| Band        | Ant  | Position | Gap (mm) | SAR peak location (mm) |      |      | 3D distance (mm) | Band        | Ant  | Position | Gap (mm) | SAR peak location (mm) |      |      | 3D distance (mm) |
|-------------|------|----------|----------|------------------------|------|------|------------------|-------------|------|----------|----------|------------------------|------|------|------------------|
|             |      |          |          | X                      | Y    | Z    |                  |             |      |          |          | X                      | Y    | Z    |                  |
| GSM850      | Ant0 | Front    | 12mm     | 13.1                   | -66  | -207 | 138.8            | LTE Band 26 | Ant0 | Front    | 12mm     | 11.2                   | -61  | -207 | 142.5            |
| BT          | Ant6 |          | 12mm     | -6.2                   | 71.5 | -207 |                  | FR1 n77     | Ant5 |          | 12mm     | -31                    | 75.1 | -207 |                  |
| WCDMA V     | Ant0 | Front    | 12mm     | 7.6                    | -74  | -207 | 146.2            | LTE Band 66 | Ant0 | Front    | 12mm     | 12.7                   | -75  | -207 | 156.3            |
| BT          | Ant6 |          | 12mm     | -6.2                   | 71.5 | -207 |                  | FR1 n77     | Ant5 |          | 12mm     | -31                    | 75.1 | -207 |                  |
| LTE Band 26 | Ant0 | Front    | 12mm     | 11.2                   | -61  | -207 | 133.6            | LTE Band 26 | Ant0 | Front    | 12mm     | 11.2                   | -61  | -207 | 141.2            |
| BT          | Ant6 |          | 12mm     | -6.2                   | 71.5 | -207 |                  | FR1 n48     | Ant5 |          | 12mm     | -38                    | 71.3 | -207 |                  |
| FR1 n26     | Ant0 | Front    | 12mm     | 10.9                   | -72  | -207 | 144.5            | LTE Band 66 | Ant0 | Front    | 12mm     | 12.7                   | -75  | -207 | 154.8            |
| BT          | Ant6 |          | 12mm     | -6.2                   | 71.5 | -207 |                  | FR1 n48     | Ant5 |          | 12mm     | -38                    | 71.3 | -207 |                  |
| FR1 n5      | Ant0 | Front    | 12mm     | 10.3                   | -66  | -207 | 138.5            | LTE Band 26 | Ant0 | Front    | 12mm     | 11.2                   | -61  | -207 | 134.0            |
| BT          | Ant6 |          | 12mm     | -6.2                   | 71.5 | -207 |                  | FR1 n66     | Ant4 |          | 12mm     | -54.1                  | 56   | -207 |                  |
| WCDMA IV    | Ant0 | Front    | 12mm     | 10.5                   | -69  | -207 | 141.5            | LTE Band 66 | Ant0 | Front    | 12mm     | 12.7                   | -75  | -207 | 147.0            |
| BT          | Ant6 |          | 12mm     | -6.2                   | 71.5 | -207 |                  | FR1 n66     | Ant4 |          | 12mm     | -54.1                  | 56   | -207 |                  |
| LTE Band 66 | Ant0 | Front    | 12mm     | 12.7                   | -75  | -207 | 147.7            | GSM850      | Ant0 | Front    | 12mm     | 13.1                   | -66  | -207 | 136.2            |
| BT          | Ant6 |          | 12mm     | -6.2                   | 71.5 | -207 |                  | WIFI 5G     | Ant6 |          | 12mm     | -7.5                   | 68.6 | -207 |                  |
| FR1 n70     | Ant0 | Front    | 12mm     | 11.3                   | -62  | -207 | 134.6            | WCDMA V     | Ant0 | Front    | 12mm     | 7.6                    | -74  | -207 | 143.4            |
| BT          | Ant6 |          | 12mm     | -6.2                   | 71.5 | -207 |                  | WIFI 5G     | Ant6 |          | 12mm     | -7.5                   | 68.6 | -207 |                  |
| FR1 n66     | Ant0 | Front    | 12mm     | 12.2                   | -83  | -207 | 155.6            | LTE Band 26 | Ant0 | Front    | 12mm     | 11.2                   | -61  | -207 | 130.9            |
| BT          | Ant6 |          | 12mm     | -6.2                   | 71.5 | -207 |                  | WIFI 5G     | Ant6 |          | 12mm     | -7.5                   | 68.6 | -207 |                  |
| GSM1900     | Ant0 | Front    | 12mm     | 10.7                   | -66  | -207 | 138.5            | FR1 n26     | Ant0 | Front    | 12mm     | 10.9                   | -72  | -207 | 141.8            |
| BT          | Ant6 |          | 12mm     | -6.2                   | 71.5 | -207 |                  | WIFI 5G     | Ant6 |          | 12mm     | -7.5                   | 68.6 | -207 |                  |
| WCDMA II    | Ant0 | Front    | 12mm     | 11.4                   | -61  | -207 | 133.7            | FR1 n5      | Ant0 | Front    | 12mm     | 10.3                   | -66  | -207 | 135.8            |



|             |      |       |      |       |      |      |       |             |      |       |      |       |      |      |       |
|-------------|------|-------|------|-------|------|------|-------|-------------|------|-------|------|-------|------|------|-------|
| BT          | Ant6 |       | 12mm | -6.2  | 71.5 | -207 |       | WIFI 5G     | Ant6 |       | 12mm | -7.5  | 68.6 | -207 |       |
| LTE Band 25 | Ant0 | Front | 12mm | 10.2  | -64  | -207 | 136.5 | WCDMA IV    | Ant0 | Front | 12mm | 10.5  | -69  | -207 | 138.8 |
| BT          | Ant6 |       | 12mm | -6.2  | 71.5 | -207 |       | WIFI 5G     | Ant6 |       | 12mm | -7.5  | 68.6 | -207 |       |
| FR1 n25     | Ant0 | Front | 12mm | 13.8  | -71  | -207 | 143.9 | LTE Band 66 | Ant0 | Front | 12mm | 12.7  | -75  | -207 | 145.0 |
| BT          | Ant6 |       | 12mm | -6.2  | 71.5 | -207 |       | WIFI 5G     | Ant6 |       | 12mm | -7.5  | 68.6 | -207 |       |
| GSM850      | Ant0 | Front | 12mm | 13.1  | -66  | -207 | 139.6 | FR1 n70     | Ant0 | Front | 12mm | 11.3  | -62  | -207 | 131.9 |
| WIFI 2.4G   | Ant6 |       | 12mm | -6.1  | 72.3 | -207 |       | WIFI 5G     | Ant6 |       | 12mm | -7.5  | 68.6 | -207 |       |
| WCDMA V     | Ant0 | Front | 12mm | 7.6   | -74  | -207 | 146.9 | FR1 n66     | Ant0 | Front | 12mm | 12.2  | -83  | -207 | 152.9 |
| WIFI 2.4G   | Ant6 |       | 12mm | -6.1  | 72.3 | -207 |       | WIFI 5G     | Ant6 |       | 12mm | -7.5  | 68.6 | -207 |       |
| LTE Band 26 | Ant0 | Front | 12mm | 11.2  | -61  | -207 | 134.4 | GSM1900     | Ant0 | Front | 12mm | 10.7  | -66  | -207 | 135.8 |
| WIFI 2.4G   | Ant6 |       | 12mm | -6.1  | 72.3 | -207 |       | WIFI 5G     | Ant6 |       | 12mm | -7.5  | 68.6 | -207 |       |
| FR1 n26     | Ant0 | Front | 12mm | 10.9  | -72  | -207 | 145.3 | WCDMA II    | Ant0 | Front | 12mm | 11.4  | -61  | -207 | 131.0 |
| WIFI 2.4G   | Ant6 |       | 12mm | -6.1  | 72.3 | -207 |       | WIFI 5G     | Ant6 |       | 12mm | -7.5  | 68.6 | -207 |       |
| FR1 n5      | Ant0 | Front | 12mm | 10.3  | -66  | -207 | 139.3 | LTE Band 25 | Ant0 | Front | 12mm | 10.2  | -64  | -207 | 133.8 |
| WIFI 2.4G   | Ant6 |       | 12mm | -6.1  | 72.3 | -207 |       | WIFI 5G     | Ant6 |       | 12mm | -7.5  | 68.6 | -207 |       |
| WCDMA IV    | Ant0 | Front | 12mm | 10.5  | -69  | -207 | 142.3 | FR1 n25     | Ant0 | Front | 12mm | 13.8  | -71  | -207 | 141.2 |
| WIFI 2.4G   | Ant6 |       | 12mm | -6.1  | 72.3 | -207 |       | WIFI 5G     | Ant6 |       | 12mm | -7.5  | 68.6 | -207 |       |
| LTE Band 66 | Ant0 | Front | 12mm | 12.7  | -75  | -207 | 148.5 | LTE Band 2  | Ant0 | Front | 12mm | 10.2  | -64  | -207 | 131.4 |
| WIFI 2.4G   | Ant6 |       | 12mm | -6.1  | 72.3 | -207 |       | LTE Band 13 | Ant4 |       | 12mm | -49.6 | 53   | -207 |       |
| FR1 n70     | Ant0 | Front | 12mm | 11.3  | -62  | -207 | 135.4 | LTE Band 2  | Ant0 | Front | 12mm | 10.2  | -64  | -207 | 139.4 |
| WIFI 2.4G   | Ant6 |       | 12mm | -6.1  | 72.3 | -207 |       | LTE Band 14 | Ant4 |       | 12mm | -55.3 | 59   | -207 |       |
| FR1 n66     | Ant0 | Front | 12mm | 12.2  | -83  | -207 | 156.4 | LTE Band 2  | Ant0 | Front | 12mm | 10.2  | -64  | -207 | 135.0 |
| WIFI 2.4G   | Ant6 |       | 12mm | -6.1  | 72.3 | -207 |       | LTE Band 66 | Ant4 |       | 12mm | -55.3 | 54   | -207 |       |
| GSM1900     | Ant0 | Front | 12mm | 10.7  | -66  | -207 | 139.3 | LTE Band 2  | Ant0 | Front | 12mm | 10.2  | -64  | -207 | 143.3 |
| WIFI 2.4G   | Ant6 |       | 12mm | -6.1  | 72.3 | -207 |       | LTE Band 48 | Ant4 |       | 12mm | -39   | 70.6 | -207 |       |
| WCDMA II    | Ant0 | Front | 12mm | 11.4  | -61  | -207 | 134.4 | FR1 n66     | Ant0 | Front | 12mm | 12.2  | -83  | -207 | 155.6 |
| WIFI 2.4G   | Ant6 |       | 12mm | -6.1  | 72.3 | -207 |       | BT          | Ant6 |       | 12mm | -6.2  | 71.5 | -207 |       |
| LTE Band 25 | Ant0 | Front | 12mm | 10.2  | -64  | -207 | 137.3 | FR1 n25     | Ant0 | Front | 12mm | 13.8  | -71  | -207 | 143.9 |
| WIFI 2.4G   | Ant6 |       | 12mm | -6.1  | 72.3 | -207 |       | BT          | Ant6 |       | 12mm | -6.2  | 71.5 | -207 |       |
| FR1 n25     | Ant0 | Front | 12mm | 13.8  | -71  | -207 | 144.7 | FR1 n66     | Ant0 | Front | 12mm | 12.2  | -83  | -207 | 156.4 |
| WIFI 2.4G   | Ant6 |       | 12mm | -6.1  | 72.3 | -207 |       | WIFI 2.4G   | Ant6 |       | 12mm | -6.1  | 72.3 | -207 |       |
| LTE Band 13 | Ant4 | Front | 12mm | -49.6 | 53   | -207 | 149.4 | FR1 n25     | Ant0 | Front | 12mm | 13.8  | -71  | -207 | 144.7 |
| FR1 n66     | Ant0 |       | 12mm | 12.2  | -83  | -207 |       | WIFI 2.4G   | Ant6 |       | 12mm | -6.1  | 72.3 | -207 |       |
| LTE Band 14 | Ant4 | Front | 12mm | -55.3 | 59   | -207 | 157.2 | FR1 n66     | Ant0 | Front | 12mm | 12.2  | -83  | -207 | 152.9 |
| FR1 n66     | Ant0 |       | 12mm | 12.2  | -83  | -207 |       | WIFI 5G     | Ant6 |       | 12mm | -7.5  | 68.6 | -207 |       |
| LTE Band 26 | Ant4 | Front | 12mm | -59.8 | 51   | -207 | 152.1 | FR1 n25     | Ant0 | Front | 12mm | 13.8  | -71  | -207 | 141.2 |
| FR1 n66     | Ant0 |       | 12mm | 12.2  | -83  | -207 |       | WIFI 5G     | Ant6 |       | 12mm | -7.5  | 68.6 | -207 |       |
| LTE Band 66 | Ant4 | Front | 12mm | -55.3 | 54   | -207 | 152.7 |             |      |       |      |       |      |      |       |
| FR1 n66     | Ant0 |       | 12mm | 12.2  | -83  | -207 |       |             |      |       |      |       |      |      |       |
| LTE Band 13 | Ant4 | Front | 12mm | -49.6 | 53   | -207 | 139.3 |             |      |       |      |       |      |      |       |
| FR1 n25     | Ant0 |       | 12mm | 13.8  | -71  | -207 |       |             |      |       |      |       |      |      |       |
| LTE Band 14 | Ant4 | Front | 12mm | -55.3 | 59   | -207 | 147.2 |             |      |       |      |       |      |      |       |
| FR1 n25     | Ant0 |       | 12mm | 13.8  | -71  | -207 |       |             |      |       |      |       |      |      |       |
| LTE Band 26 | Ant4 | Front | 12mm | -59.8 | 51   | -207 | 142.5 |             |      |       |      |       |      |      |       |
| FR1 n25     | Ant0 |       | 12mm | 13.8  | -71  | -207 |       |             |      |       |      |       |      |      |       |
| LTE Band 66 | Ant4 | Front | 12mm | -55.3 | 54   | -207 | 142.8 |             |      |       |      |       |      |      |       |
| FR1 n25     | Ant0 |       | 12mm | 13.8  | -71  | -207 |       |             |      |       |      |       |      |      |       |

Note: According to the above tables the minimum distance is as follows:

| Simultaneous | Position   | minimum 3D distance (mm) |
|--------------|------------|--------------------------|
| WWAN+WLAN/BT | Front 12mm | 130.9                    |



Back

| Band        | Ant  | Position | Gap (mm) | SAR peak location (mm) |       |      | 3D distance (mm) | Band        | Ant  | Position | Gap (mm) | SAR peak location (mm) |       |      | 3D distance (mm) |
|-------------|------|----------|----------|------------------------|-------|------|------------------|-------------|------|----------|----------|------------------------|-------|------|------------------|
|             |      |          |          | X                      | Y     | Z    |                  |             |      |          |          | X                      | Y     | Z    |                  |
| LTE Band 71 | Ant0 | Back     | 5mm      | -51                    | -81.2 | -207 | 139.7            | LTE Band 71 | Ant0 | Back     | 5mm      | -51                    | -81.2 | -207 | 142.4            |
| BT          | Ant6 |          | 5mm      | -62.5                  | 58    | -207 |                  | WIFI 2.4G   | Ant6 |          | 5mm      | -59.4                  | 61    | -207 |                  |
| LTE Band 12 | Ant0 | Back     | 5mm      | -40                    | -85.3 | -207 | 145.1            | LTE Band 12 | Ant0 | Back     | 5mm      | -40                    | -85.3 | -207 | 147.6            |
| BT          | Ant6 |          | 5mm      | -62.5                  | 58    | -207 |                  | WIFI 2.4G   | Ant6 |          | 5mm      | -59.4                  | 61    | -207 |                  |
| LTE Band 13 | Ant0 | Back     | 5mm      | -52                    | -78.6 | -207 | 137.0            | LTE Band 13 | Ant0 | Back     | 5mm      | -52                    | -78.6 | -207 | 139.8            |
| BT          | Ant6 |          | 5mm      | -62.5                  | 58    | -207 |                  | WIFI 2.4G   | Ant6 |          | 5mm      | -59.4                  | 61    | -207 |                  |
| LTE Band 14 | Ant0 | Back     | 5mm      | -41                    | -94.2 | -207 | 153.7            | LTE Band 14 | Ant0 | Back     | 5mm      | -41                    | -94.2 | -207 | 156.3            |
| BT          | Ant6 |          | 5mm      | -62.5                  | 58    | -207 |                  | WIFI 2.4G   | Ant6 |          | 5mm      | -59.4                  | 61    | -207 |                  |
| FR1 n71     | Ant0 | Back     | 5mm      | -53                    | -85.3 | -207 | 143.6            | FR1 n71     | Ant0 | Back     | 5mm      | -53                    | -85.3 | -207 | 146.4            |
| BT          | Ant6 |          | 5mm      | -62.5                  | 58    | -207 |                  | WIFI 2.4G   | Ant6 |          | 5mm      | -59.4                  | 61    | -207 |                  |
| FR1 n12     | Ant0 | Back     | 5mm      | -49                    | -82.7 | -207 | 141.3            | FR1 n12     | Ant0 | Back     | 5mm      | -49                    | -82.7 | -207 | 144.1            |
| BT          | Ant6 |          | 5mm      | -62.5                  | 58    | -207 |                  | WIFI 2.4G   | Ant6 |          | 5mm      | -59.4                  | 61    | -207 |                  |
| FR1 n14     | Ant0 | Back     | 5mm      | -52                    | -79.6 | -207 | 138.0            | FR1 n14     | Ant0 | Back     | 5mm      | -52                    | -79.6 | -207 | 140.8            |
| BT          | Ant6 |          | 5mm      | -62.5                  | 58    | -207 |                  | WIFI 2.4G   | Ant6 |          | 5mm      | -59.4                  | 61    | -207 |                  |
| GSM850      | Ant0 | Back     | 5mm      | -54                    | -75.2 | -207 | 133.5            | GSM850      | Ant0 | Back     | 5mm      | -54                    | -75.2 | -207 | 136.3            |
| BT          | Ant6 |          | 5mm      | -62.5                  | 58    | -207 |                  | WIFI 2.4G   | Ant6 |          | 5mm      | -59.4                  | 61    | -207 |                  |
| WCDMA V     | Ant0 | Back     | 5mm      | -45                    | -89.7 | -207 | 148.7            | WCDMA V     | Ant0 | Back     | 5mm      | -45                    | -89.7 | -207 | 151.4            |
| BT          | Ant6 |          | 5mm      | -62.5                  | 58    | -207 |                  | WIFI 2.4G   | Ant6 |          | 5mm      | -59.4                  | 61    | -207 |                  |
| LTE Band 26 | Ant0 | Back     | 5mm      | -52                    | -80.2 | -207 | 138.6            | LTE Band 26 | Ant0 | Back     | 5mm      | -52                    | -80.2 | -207 | 141.4            |
| BT          | Ant6 |          | 5mm      | -62.5                  | 58    | -207 |                  | WIFI 2.4G   | Ant6 |          | 5mm      | -59.4                  | 61    | -207 |                  |
| FR1 n26     | Ant0 | Back     | 5mm      | -63                    | -81.2 | -207 | 139.2            | FR1 n26     | Ant0 | Back     | 5mm      | -63                    | -81.2 | -207 | 142.2            |
| BT          | Ant6 |          | 5mm      | -62.5                  | 58    | -207 |                  | WIFI 2.4G   | Ant6 |          | 5mm      | -59.4                  | 61    | -207 |                  |
| FR1 n5      | Ant0 | Back     | 5mm      | -63                    | -81.2 | -207 | 139.2            | FR1 n5      | Ant0 | Back     | 5mm      | -63                    | -81.2 | -207 | 142.2            |
| BT          | Ant6 |          | 5mm      | -62.5                  | 58    | -207 |                  | WIFI 2.4G   | Ant6 |          | 5mm      | -59.4                  | 61    | -207 |                  |
| WCDMA IV    | Ant0 | Back     | 5mm      | -53                    | -88.2 | -207 | 146.5            | WCDMA IV    | Ant0 | Back     | 5mm      | -53                    | -88.2 | -207 | 149.3            |
| BT          | Ant6 |          | 5mm      | -62.5                  | 58    | -207 |                  | WIFI 2.4G   | Ant6 |          | 5mm      | -59.4                  | 61    | -207 |                  |
| LTE Band 66 | Ant0 | Back     | 5mm      | -58                    | -81.3 | -207 | 139.4            | LTE Band 66 | Ant0 | Back     | 5mm      | -58                    | -81.3 | -207 | 142.3            |
| BT          | Ant6 |          | 5mm      | -62.5                  | 58    | -207 |                  | WIFI 2.4G   | Ant6 |          | 5mm      | -59.4                  | 61    | -207 |                  |
| FR1 n70     | Ant0 | Back     | 5mm      | -41                    | -94.2 | -207 | 153.7            | FR1 n70     | Ant0 | Back     | 5mm      | -41                    | -94.2 | -207 | 156.3            |
| BT          | Ant6 |          | 5mm      | -62.5                  | 58    | -207 |                  | WIFI 2.4G   | Ant6 |          | 5mm      | -59.4                  | 61    | -207 |                  |
| FR1 n66     | Ant0 | Back     | 5mm      | -45                    | -82.8 | -207 | 141.9            | FR1 n66     | Ant0 | Back     | 5mm      | -45                    | -82.8 | -207 | 144.5            |
| BT          | Ant6 |          | 5mm      | -62.5                  | 58    | -207 |                  | WIFI 2.4G   | Ant6 |          | 5mm      | -59.4                  | 61    | -207 |                  |
| GSM1900     | Ant0 | Back     | 5mm      | -45                    | -81.4 | -207 | 140.5            | GSM1900     | Ant0 | Back     | 5mm      | -45                    | -81.4 | -207 | 143.1            |
| BT          | Ant6 |          | 5mm      | -62.5                  | 58    | -207 |                  | WIFI 2.4G   | Ant6 |          | 5mm      | -59.4                  | 61    | -207 |                  |
| WCDMA II    | Ant0 | Back     | 5mm      | -54                    | -79.8 | -207 | 138.1            | WCDMA II    | Ant0 | Back     | 5mm      | -54                    | -79.8 | -207 | 140.9            |
| BT          | Ant6 |          | 5mm      | -62.5                  | 58    | -207 |                  | WIFI 2.4G   | Ant6 |          | 5mm      | -59.4                  | 61    | -207 |                  |
| LTE Band 25 | Ant0 | Back     | 5mm      | -51                    | -87.5 | -207 | 146.0            | LTE Band 25 | Ant0 | Back     | 5mm      | -51                    | -87.5 | -207 | 148.7            |
| BT          | Ant6 |          | 5mm      | -62.5                  | 58    | -207 |                  | WIFI 2.4G   | Ant6 |          | 5mm      | -59.4                  | 61    | -207 |                  |
| FR1 n25     | Ant0 | Back     | 5mm      | -48                    | -87.2 | -207 | 145.9            | FR1 n25     | Ant0 | Back     | 5mm      | -48                    | -87.2 | -207 | 148.6            |
| BT          | Ant6 |          | 5mm      | -62.5                  | 58    | -207 |                  | WIFI 2.4G   | Ant6 |          | 5mm      | -59.4                  | 61    | -207 |                  |
| LTE Band 71 | Ant0 | Back     | 5mm      | -51                    | -81.2 | -207 | 144.2            | LTE Band 30 | Ant1 | Back     | 5mm      | 8.7                    | -68   | -207 | 144.7            |
| WIFI 5G     | Ant6 |          | 5mm      | -52.1                  | 63    | -207 |                  | BT          | Ant6 |          | 5mm      | -62.5                  | 58    | -207 |                  |
| LTE Band 12 | Ant0 | Back     | 5mm      | -40                    | -85.3 | -207 | 148.8            | FR1 n30     | Ant1 | Back     | 5mm      | 7.9                    | -71   | -207 | 147.0            |
| WIFI 5G     | Ant6 |          | 5mm      | -52.1                  | 63    | -207 |                  | BT          | Ant6 |          | 5mm      | -62.5                  | 58    | -207 |                  |
| LTE Band 13 | Ant0 | Back     | 5mm      | -52                    | -78.6 | -207 | 141.6            | LTE Band 7  | Ant1 | Back     | 5mm      | 8.4                    | -69   | -207 | 145.5            |
| WIFI 5G     | Ant6 |          | 5mm      | -52.1                  | 63    | -207 |                  | BT          | Ant6 |          | 5mm      | -62.5                  | 58    | -207 |                  |
| LTE Band 14 | Ant0 | Back     | 5mm      | -41                    | -94.2 | -207 | 157.6            | LTE Band 41 | Ant1 | Back     | 5mm      | 5.9                    | -78   | -207 | 152.2            |
| WIFI 5G     | Ant6 |          | 5mm      | -52.1                  | 63    | -207 |                  | BT          | Ant6 |          | 5mm      | -62.5                  | 58    | -207 |                  |
| FR1 n71     | Ant0 | Back     | 5mm      | -53                    | -85.3 | -207 | 148.3            | FR1 n7      | Ant1 | Back     | 5mm      | 8.8                    | -71   | -207 | 147.4            |
| WIFI 5G     | Ant6 |          | 5mm      | -52.1                  | 63    | -207 |                  | BT          | Ant6 |          | 5mm      | -62.5                  | 58    | -207 |                  |
| FR1 n12     | Ant0 | Back     | 5mm      | -49                    | -82.7 | -207 | 145.7            | FR1 n41     | Ant1 | Back     | 5mm      | 11.2                   | -72   | -207 | 149.4            |
| WIFI 5G     | Ant6 |          | 5mm      | -52.1                  | 63    | -207 |                  | BT          | Ant6 |          | 5mm      | -62.5                  | 58    | -207 |                  |
| FR1 n14     | Ant0 | Back     | 5mm      | -52                    | -79.6 | -207 | 142.6            | FR1 n77     | Ant1 | Back     | 5mm      | 8.5                    | -74   | -207 | 149.9            |



|             |      |      |     |       |       |      |       |             |      |      |     |       |       |      |       |
|-------------|------|------|-----|-------|-------|------|-------|-------------|------|------|-----|-------|-------|------|-------|
| WIFI 5G     | Ant6 |      | 5mm | -52.1 | 63    | -207 |       | BT          | Ant6 |      | 5mm | -62.5 | 58    | -207 |       |
| GSM850      | Ant0 | Back | 5mm | -54   | -75.2 | -207 | 138.2 | FR1 n78     | Ant1 | Back | 5mm | 12.2  | -71   | -207 | 149.1 |
| WIFI 5G     | Ant6 |      | 5mm | -52.1 | 63    | -207 |       | BT          | Ant6 |      | 5mm | -62.5 | 58    | -207 |       |
| WCDMA V     | Ant0 | Back | 5mm | -45   | -89.7 | -207 | 152.9 | LTE Band 30 | Ant1 | Back | 5mm | 8.7   | -68   | -207 | 145.9 |
| WIFI 5G     | Ant6 |      | 5mm | -52.1 | 63    | -207 |       | WIFI 2.4G   | Ant6 |      | 5mm | -59.4 | 61    | -207 |       |
| LTE Band 26 | Ant0 | Back | 5mm | -52   | -80.2 | -207 | 143.2 | FR1 n30     | Ant1 | Back | 5mm | 7.9   | -71   | -207 | 148.2 |
| WIFI 5G     | Ant6 |      | 5mm | -52.1 | 63    | -207 |       | WIFI 2.4G   | Ant6 |      | 5mm | -59.4 | 61    | -207 |       |
| FR1 n26     | Ant0 | Back | 5mm | -63   | -81.2 | -207 | 144.6 | LTE Band 7  | Ant1 | Back | 5mm | 8.4   | -69   | -207 | 146.6 |
| WIFI 5G     | Ant6 |      | 5mm | -52.1 | 63    | -207 |       | WIFI 2.4G   | Ant6 |      | 5mm | -59.4 | 61    | -207 |       |
| FR1 n5      | Ant0 | Back | 5mm | -63   | -81.2 | -207 | 144.6 | LTE Band 41 | Ant1 | Back | 5mm | 5.9   | -78   | -207 | 153.6 |
| WIFI 5G     | Ant6 |      | 5mm | -52.1 | 63    | -207 |       | WIFI 2.4G   | Ant6 |      | 5mm | -59.4 | 61    | -207 |       |
| WCDMA IV    | Ant0 | Back | 5mm | -53   | -88.2 | -207 | 151.2 | FR1 n7      | Ant1 | Back | 5mm | 8.8   | -71   | -207 | 148.6 |
| WIFI 5G     | Ant6 |      | 5mm | -52.1 | 63    | -207 |       | WIFI 2.4G   | Ant6 |      | 5mm | -59.4 | 61    | -207 |       |
| LTE Band 66 | Ant0 | Back | 5mm | -58   | -81.3 | -207 | 144.4 | FR1 n41     | Ant1 | Back | 5mm | 11.2  | -72   | -207 | 150.6 |
| WIFI 5G     | Ant6 |      | 5mm | -52.1 | 63    | -207 |       | WIFI 2.4G   | Ant6 |      | 5mm | -59.4 | 61    | -207 |       |
| FR1 n70     | Ant0 | Back | 5mm | -41   | -94.2 | -207 | 157.6 | FR1 n77     | Ant1 | Back | 5mm | 8.5   | -74   | -207 | 151.1 |
| WIFI 5G     | Ant6 |      | 5mm | -52.1 | 63    | -207 |       | WIFI 2.4G   | Ant6 |      | 5mm | -59.4 | 61    | -207 |       |
| FR1 n66     | Ant0 | Back | 5mm | -45   | -82.8 | -207 | 146.0 | FR1 n78     | Ant1 | Back | 5mm | 12.2  | -71   | -207 | 150.2 |
| WIFI 5G     | Ant6 |      | 5mm | -52.1 | 63    | -207 |       | WIFI 2.4G   | Ant6 |      | 5mm | -59.4 | 61    | -207 |       |
| GSM1900     | Ant0 | Back | 5mm | -45   | -81.4 | -207 | 144.6 | LTE Band 30 | Ant1 | Back | 5mm | 8.7   | -68   | -207 | 144.4 |
| WIFI 5G     | Ant6 |      | 5mm | -52.1 | 63    | -207 |       | WIFI 5G     | Ant6 |      | 5mm | -52.1 | 63    | -207 |       |
| WCDMA II    | Ant0 | Back | 5mm | -54   | -79.8 | -207 | 142.8 | FR1 n30     | Ant1 | Back | 5mm | 7.9   | -71   | -207 | 146.8 |
| WIFI 5G     | Ant6 |      | 5mm | -52.1 | 63    | -207 |       | WIFI 5G     | Ant6 |      | 5mm | -52.1 | 63    | -207 |       |
| LTE Band 25 | Ant0 | Back | 5mm | -51   | -87.5 | -207 | 150.5 | LTE Band 7  | Ant1 | Back | 5mm | 8.4   | -69   | -207 | 145.2 |
| WIFI 5G     | Ant6 |      | 5mm | -52.1 | 63    | -207 |       | WIFI 5G     | Ant6 |      | 5mm | -52.1 | 63    | -207 |       |
| FR1 n25     | Ant0 | Back | 5mm | -48   | -87.2 | -207 | 150.3 | LTE Band 41 | Ant1 | Back | 5mm | 5.9   | -78   | -207 | 152.5 |
| WIFI 5G     | Ant6 |      | 5mm | -52.1 | 63    | -207 |       | WIFI 5G     | Ant6 |      | 5mm | -52.1 | 63    | -207 |       |
| LTE Band 12 | Ant0 | Back | 5mm | -40   | -85.3 | -207 | 165.2 | FR1 n7      | Ant1 | Back | 5mm | 8.8   | -71   | -207 | 147.2 |
| LTE Band 66 | Ant4 |      | 5mm | -5.8  | 76.3  | -207 |       | WIFI 5G     | Ant6 |      | 5mm | -52.1 | 63    | -207 |       |
| LTE Band 13 | Ant0 | Back | 5mm | -52   | -78.6 | -207 | 161.6 | FR1 n41     | Ant1 | Back | 5mm | 11.2  | -72   | -207 | 149.1 |
| LTE Band 66 | Ant4 |      | 5mm | -5.8  | 76.3  | -207 |       | WIFI 5G     | Ant6 |      | 5mm | -52.1 | 63    | -207 |       |
| LTE Band 14 | Ant0 | Back | 5mm | -41   | -94.2 | -207 | 174.1 | FR1 n77     | Ant1 | Back | 5mm | 8.5   | -74   | -207 | 149.8 |
| LTE Band 66 | Ant4 |      | 5mm | -5.8  | 76.3  | -207 |       | WIFI 5G     | Ant6 |      | 5mm | -52.1 | 63    | -207 |       |
| LTE Band 2  | Ant0 | Back | 5mm | -51   | -87.5 | -207 | 169.9 | FR1 n78     | Ant1 | Back | 5mm | 12.2  | -71   | -207 | 148.6 |
| LTE Band 66 | Ant4 |      | 5mm | -5.8  | 76.3  | -207 |       | WIFI 5G     | Ant6 |      | 5mm | -52.1 | 63    | -207 |       |
| LTE Band 4  | Ant0 | Back | 5mm | -58   | -81.3 | -207 | 166.0 | LTE Band 12 | Ant0 | Back | 5mm | -40   | -85.3 | -207 | 159.7 |
| LTE Band 66 | Ant4 |      | 5mm | -5.8  | 76.3  | -207 |       | LTE Band 14 | Ant4 |      | 5mm | -11.2 | 71.8  | -207 |       |
| LTE Band 5  | Ant0 | Back | 5mm | -52   | -80.2 | -207 | 163.2 | LTE Band 13 | Ant0 | Back | 5mm | -52   | -78.6 | -207 | 155.8 |
| LTE Band 66 | Ant4 |      | 5mm | -5.8  | 76.3  | -207 |       | LTE Band 14 | Ant4 |      | 5mm | -11.2 | 71.8  | -207 |       |
| LTE Band 12 | Ant0 | Back | 5mm | -40   | -85.3 | -207 | 164.8 | LTE Band 14 | Ant0 | Back | 5mm | -41   | -94.2 | -207 | 168.7 |
| LTE Band 12 | Ant4 |      | 5mm | -8.1  | 76.4  | -207 |       | LTE Band 14 | Ant4 |      | 5mm | -11.2 | 71.8  | -207 |       |
| LTE Band 13 | Ant0 | Back | 5mm | -52   | -78.6 | -207 | 161.1 | LTE Band 2  | Ant0 | Back | 5mm | -51   | -87.5 | -207 | 164.2 |
| LTE Band 12 | Ant4 |      | 5mm | -8.1  | 76.4  | -207 |       | LTE Band 14 | Ant4 |      | 5mm | -11.2 | 71.8  | -207 |       |
| LTE Band 14 | Ant0 | Back | 5mm | -41   | -94.2 | -207 | 173.7 | LTE Band 4  | Ant0 | Back | 5mm | -58   | -81.3 | -207 | 160.1 |
| LTE Band 12 | Ant4 |      | 5mm | -8.1  | 76.4  | -207 |       | LTE Band 14 | Ant4 |      | 5mm | -11.2 | 71.8  | -207 |       |
| LTE Band 2  | Ant0 | Back | 5mm | -51   | -87.5 | -207 | 169.4 | LTE Band 5  | Ant0 | Back | 5mm | -52   | -80.2 | -207 | 157.4 |
| LTE Band 12 | Ant4 |      | 5mm | -8.1  | 76.4  | -207 |       | LTE Band 14 | Ant4 |      | 5mm | -11.2 | 71.8  | -207 |       |
| LTE Band 4  | Ant0 | Back | 5mm | -58   | -81.3 | -207 | 165.4 | LTE Band 12 | Ant0 | Back | 5mm | -40   | -85.3 | -207 | 160.2 |
| LTE Band 12 | Ant4 |      | 5mm | -8.1  | 76.4  | -207 |       | LTE Band 5  | Ant4 |      | 5mm | -10.3 | 72.1  | -207 |       |
| LTE Band 5  | Ant0 | Back | 5mm | -52   | -80.2 | -207 | 162.6 | LTE Band 13 | Ant0 | Back | 5mm | -52   | -78.6 | -207 | 156.4 |
| LTE Band 12 | Ant4 |      | 5mm | -8.1  | 76.4  | -207 |       | LTE Band 5  | Ant4 |      | 5mm | -10.3 | 72.1  | -207 |       |
| LTE Band 12 | Ant0 | Back | 5mm | -40   | -85.3 | -207 | 167.2 | LTE Band 14 | Ant0 | Back | 5mm | -41   | -94.2 | -207 | 169.1 |
| LTE Band 13 | Ant4 |      | 5mm | -5.7  | 78.3  | -207 |       | LTE Band 5  | Ant4 |      | 5mm | -10.3 | 72.1  | -207 |       |
| LTE Band 13 | Ant0 | Back | 5mm | -52   | -78.6 | -207 | 163.6 | LTE Band 2  | Ant0 | Back | 5mm | -51   | -87.5 | -207 | 164.7 |
| LTE Band 13 | Ant4 |      | 5mm | -5.7  | 78.3  | -207 |       | LTE Band 5  | Ant4 |      | 5mm | -10.3 | 72.1  | -207 |       |
| LTE Band 14 | Ant0 | Back | 5mm | -41   | -94.2 | -207 | 176.1 | LTE Band 4  | Ant0 | Back | 5mm | -58   | -81.3 | -207 | 160.6 |



|             |      |      |     |       |       |      |       |             |      |      |     |       |       |      |       |
|-------------|------|------|-----|-------|-------|------|-------|-------------|------|------|-----|-------|-------|------|-------|
| LTE Band 13 | Ant4 |      | 5mm | -5.7  | 78.3  | -207 |       | LTE Band 5  | Ant4 |      | 5mm | -10.3 | 72.1  | -207 |       |
| LTE Band 2  | Ant0 | Back | 5mm | -51   | -87.5 | -207 | 171.9 | LTE Band 5  | Ant0 | Back | 5mm | -52   | -80.2 | -207 | 157.9 |
| LTE Band 13 | Ant4 |      | 5mm | -5.7  | 78.3  | -207 |       | LTE Band 5  | Ant4 |      | 5mm | -10.3 | 72.1  | -207 |       |
| LTE Band 4  | Ant0 | Back | 5mm | -58   | -81.3 | -207 | 168.0 | LTE Band 71 | Ant4 | Back | 5mm | -10.3 | 72.1  | -207 | 162.1 |
| LTE Band 13 | Ant4 |      | 5mm | -5.7  | 78.3  | -207 |       | FR1 n5      | Ant0 |      | 5mm | -63   | -81.2 | -207 |       |
| LTE Band 5  | Ant0 | Back | 5mm | -52   | -80.2 | -207 | 165.1 | LTE Band 12 | Ant4 | Back | 5mm | -8.1  | 76.4  | -207 | 166.9 |
| LTE Band 13 | Ant4 |      | 5mm | -5.7  | 78.3  | -207 |       | FR1 n5      | Ant0 |      | 5mm | -63   | -81.2 | -207 |       |
| LTE Band 2  | Ant0 | Back | 5mm | -51   | -87.5 | -207 | 163.9 | LTE Band 13 | Ant4 | Back | 5mm | -5.7  | 78.3  | -207 | 169.5 |
| LTE Band 48 | Ant5 |      | 5mm | -34   | 75.5  | -207 |       | FR1 n5      | Ant0 |      | 5mm | -63   | -81.2 | -207 |       |
| LTE Band 48 | Ant5 | Back | 5mm | -34   | 75.5  | -207 | 158.6 | LTE Band 14 | Ant4 | Back | 5mm | -11.2 | 71.8  | -207 | 161.5 |
| LTE Band 66 | Ant0 |      | 5mm | -58   | -81.3 | -207 |       | FR1 n5      | Ant0 |      | 5mm | -63   | -81.2 | -207 |       |
| LTE Band 71 | Ant4 | Back | 5mm | -10.3 | 72.1  | -207 | 163.7 | LTE Band 26 | Ant4 | Back | 5mm | -10.3 | 72.1  | -207 | 162.1 |
| FR1 n25     | Ant0 |      | 5mm | -48   | -87.2 | -207 |       | FR1 n5      | Ant0 |      | 5mm | -63   | -81.2 | -207 |       |
| LTE Band 12 | Ant4 | Back | 5mm | -8.1  | 76.4  | -207 | 168.4 | LTE Band 66 | Ant4 | Back | 5mm | -5.8  | 76.3  | -207 | 167.6 |
| FR1 n25     | Ant0 |      | 5mm | -48   | -87.2 | -207 |       | FR1 n5      | Ant0 |      | 5mm | -63   | -81.2 | -207 |       |
| LTE Band 13 | Ant4 | Back | 5mm | -5.7  | 78.3  | -207 | 170.8 | LTE Band 2  | Ant4 | Back | 5mm | -9.1  | 75.3  | -207 | 165.5 |
| FR1 n25     | Ant0 |      | 5mm | -48   | -87.2 | -207 |       | FR1 n5      | Ant0 |      | 5mm | -63   | -81.2 | -207 |       |
| LTE Band 14 | Ant4 | Back | 5mm | -11.2 | 71.8  | -207 | 163.2 | LTE Band 71 | Ant4 | Back | 5mm | -10.3 | 72.1  | -207 | 163.1 |
| FR1 n25     | Ant0 |      | 5mm | -48   | -87.2 | -207 |       | FR1 n71     | Ant0 |      | 5mm | -53   | -85.3 | -207 |       |
| LTE Band 26 | Ant4 | Back | 5mm | -10.3 | 72.1  | -207 | 163.7 | LTE Band 12 | Ant4 | Back | 5mm | -8.1  | 76.4  | -207 | 167.8 |
| FR1 n25     | Ant0 |      | 5mm | -48   | -87.2 | -207 |       | FR1 n71     | Ant0 |      | 5mm | -53   | -85.3 | -207 |       |
| LTE Band 66 | Ant4 | Back | 5mm | -5.8  | 76.3  | -207 | 168.9 | LTE Band 13 | Ant4 | Back | 5mm | -5.7  | 78.3  | -207 | 170.3 |
| FR1 n25     | Ant0 |      | 5mm | -48   | -87.2 | -207 |       | FR1 n71     | Ant0 |      | 5mm | -53   | -85.3 | -207 |       |
| LTE Band 2  | Ant4 | Back | 5mm | -9.1  | 75.3  | -207 | 167.1 | LTE Band 14 | Ant4 | Back | 5mm | -11.2 | 71.8  | -207 | 162.6 |
| FR1 n25     | Ant0 |      | 5mm | -48   | -87.2 | -207 |       | FR1 n71     | Ant0 |      | 5mm | -53   | -85.3 | -207 |       |
| LTE Band 71 | Ant4 | Back | 5mm | -10.3 | 72.1  | -207 | 158.7 | LTE Band 26 | Ant4 | Back | 5mm | -10.3 | 72.1  | -207 | 163.1 |
| FR1 n66     | Ant0 |      | 5mm | -45   | -82.8 | -207 |       | FR1 n71     | Ant0 |      | 5mm | -53   | -85.3 | -207 |       |
| LTE Band 12 | Ant4 | Back | 5mm | -8.1  | 76.4  | -207 | 163.4 | LTE Band 66 | Ant4 | Back | 5mm | -5.8  | 76.3  | -207 | 168.4 |
| FR1 n66     | Ant0 |      | 5mm | -45   | -82.8 | -207 |       | FR1 n71     | Ant0 |      | 5mm | -53   | -85.3 | -207 |       |
| LTE Band 13 | Ant4 | Back | 5mm | -5.7  | 78.3  | -207 | 165.8 | LTE Band 2  | Ant4 | Back | 5mm | -9.1  | 75.3  | -207 | 166.5 |
| FR1 n66     | Ant0 |      | 5mm | -45   | -82.8 | -207 |       | FR1 n71     | Ant0 |      | 5mm | -53   | -85.3 | -207 |       |
| LTE Band 14 | Ant4 | Back | 5mm | -11.2 | 71.8  | -207 | 158.3 | LTE Band 71 | Ant4 | Back | 5mm | -10.3 | 72.1  | -207 | 144.4 |
| FR1 n66     | Ant0 |      | 5mm | -45   | -82.8 | -207 |       | FR1 n7      | Ant1 |      | 5mm | 8.8   | -71   | -207 |       |
| LTE Band 26 | Ant4 | Back | 5mm | -10.3 | 72.1  | -207 | 158.7 | LTE Band 12 | Ant4 | Back | 5mm | -8.1  | 76.4  | -207 | 148.4 |
| FR1 n66     | Ant0 |      | 5mm | -45   | -82.8 | -207 |       | FR1 n7      | Ant1 |      | 5mm | 8.8   | -71   | -207 |       |
| LTE Band 66 | Ant4 | Back | 5mm | -5.8  | 76.3  | -207 | 163.9 | LTE Band 14 | Ant4 | Back | 5mm | -11.2 | 71.8  | -207 | 144.2 |
| FR1 n66     | Ant0 |      | 5mm | -45   | -82.8 | -207 |       | FR1 n7      | Ant1 |      | 5mm | 8.8   | -71   | -207 |       |
| LTE Band 2  | Ant4 | Back | 5mm | -9.1  | 75.3  | -207 | 162.1 | LTE Band 26 | Ant4 | Back | 5mm | -10.3 | 72.1  | -207 | 144.4 |
| FR1 n66     | Ant0 |      | 5mm | -45   | -82.8 | -207 |       | FR1 n7      | Ant1 |      | 5mm | 8.8   | -71   | -207 |       |
| LTE Band 71 | Ant4 | Back | 5mm | -10.3 | 72.1  | -207 | 144.3 | LTE Band 66 | Ant4 | Back | 5mm | -5.8  | 76.3  | -207 | 148.0 |
| FR1 n30     | Ant0 |      | 5mm | 7.9   | -71   | -207 |       | FR1 n7      | Ant1 |      | 5mm | 8.8   | -71   | -207 |       |
| LTE Band 12 | Ant4 | Back | 5mm | -8.1  | 76.4  | -207 | 148.3 | LTE Band 25 | Ant4 | Back | 5mm | -9.1  | 75.3  | -207 | 147.4 |
| FR1 n30     | Ant1 |      | 5mm | 7.9   | -71   | -207 |       | FR1 n7      | Ant1 |      | 5mm | 8.8   | -71   | -207 |       |
| LTE Band 14 | Ant4 | Back | 5mm | -11.2 | 71.8  | -207 | 144.1 | LTE Band 71 | Ant4 | Back | 5mm | -10.3 | 72.1  | -207 | 145.7 |
| FR1 n30     | Ant1 |      | 5mm | 7.9   | -71   | -207 |       | FR1 n41     | Ant1 |      | 5mm | 11.2  | -72   | -207 |       |
| LTE Band 26 | Ant4 | Back | 5mm | -10.3 | 72.1  | -207 | 144.3 | LTE Band 12 | Ant4 | Back | 5mm | -8.1  | 76.4  | -207 | 149.6 |
| FR1 n30     | Ant1 |      | 5mm | 7.9   | -71   | -207 |       | FR1 n41     | Ant1 |      | 5mm | 11.2  | -72   | -207 |       |
| LTE Band 66 | Ant4 | Back | 5mm | -5.8  | 76.3  | -207 | 147.9 | LTE Band 14 | Ant4 | Back | 5mm | -11.2 | 71.8  | -207 | 145.5 |
| FR1 n30     | Ant1 |      | 5mm | 7.9   | -71   | -207 |       | FR1 n41     | Ant1 |      | 5mm | 11.2  | -72   | -207 |       |
| LTE Band 25 | Ant4 | Back | 5mm | -9.1  | 75.3  | -207 | 147.3 | LTE Band 26 | Ant4 | Back | 5mm | -10.3 | 72.1  | -207 | 145.7 |
| FR1 n30     | Ant1 |      | 5mm | 7.9   | -71   | -207 |       | FR1 n41     | Ant1 |      | 5mm | 11.2  | -72   | -207 |       |
| LTE Band 71 | Ant0 | Back | 5mm | -51   | -81.2 | -207 | 146.9 | LTE Band 66 | Ant4 | Back | 5mm | -5.8  | 76.3  | -207 | 149.3 |
| FR1 n77     | Ant5 |      | 5mm | -39   | 65.2  | -207 |       | FR1 n41     | Ant1 |      | 5mm | 11.2  | -72   | -207 |       |
| LTE Band 12 | Ant0 | Back | 5mm | -40   | -85.3 | -207 | 150.5 | LTE Band 25 | Ant4 | Back | 5mm | -9.1  | 75.3  | -207 | 148.7 |
| FR1 n77     | Ant5 |      | 5mm | -39   | 65.2  | -207 |       | FR1 n41     | Ant1 |      | 5mm | 11.2  | -72   | -207 |       |
| LTE Band 13 | Ant0 | Back | 5mm | -52   | -78.6 | -207 | 144.4 | LTE Band 71 | Ant0 | Back | 5mm | -51   | -81.2 | -207 | 153.6 |



|             |      |      |     |       |       |      |       |             |      |      |     |       |       |      |       |
|-------------|------|------|-----|-------|-------|------|-------|-------------|------|------|-----|-------|-------|------|-------|
| FR1 n77     | Ant5 |      | 5mm | -39   | 65.2  | -207 |       | FR1 n48     | Ant5 |      | 5mm | -41   | 72.1  | -207 |       |
| LTE Band 14 | Ant0 | Back | 5mm | -41   | -94.2 | -207 | 159.4 | LTE Band 12 | Ant0 | Back | 5mm | -40   | -85.3 | -207 | 157.4 |
| FR1 n77     | Ant5 |      | 5mm | -39   | 65.2  | -207 |       | FR1 n48     | Ant5 |      | 5mm | -41   | 72.1  | -207 |       |
| LTE Band 26 | Ant0 | Back | 5mm | -52   | -80.2 | -207 | 146.0 | LTE Band 13 | Ant0 | Back | 5mm | -52   | -78.6 | -207 | 151.1 |
| FR1 n77     | Ant5 |      | 5mm | -39   | 65.2  | -207 |       | FR1 n48     | Ant5 |      | 5mm | -41   | 72.1  | -207 |       |
| LTE Band 66 | Ant0 | Back | 5mm | -58   | -81.3 | -207 | 147.7 | LTE Band 14 | Ant0 | Back | 5mm | -41   | -94.2 | -207 | 166.3 |
| FR1 n77     | Ant5 |      | 5mm | -39   | 65.2  | -207 |       | FR1 n48     | Ant5 |      | 5mm | -41   | 72.1  | -207 |       |
| LTE Band 25 | Ant0 | Back | 5mm | -51   | -87.5 | -207 | 153.2 | LTE Band 26 | Ant0 | Back | 5mm | -52   | -80.2 | -207 | 152.7 |
| FR1 n77     | Ant5 |      | 5mm | -39   | 65.2  | -207 |       | FR1 n48     | Ant5 |      | 5mm | -41   | 72.1  | -207 |       |
| LTE Band 30 | Ant1 | Back | 5mm | 8.7   | -68   | -207 | 146.7 | LTE Band 66 | Ant0 | Back | 5mm | -58   | -81.3 | -207 | 154.3 |
| FR1 n5      | Ant4 |      | 5mm | -9.4  | 77.6  | -207 |       | FR1 n48     | Ant5 |      | 5mm | -41   | 72.1  | -207 |       |
| LTE Band 7  | Ant1 | Back | 5mm | 8.4   | -69   | -207 | 147.7 | LTE Band 25 | Ant0 | Back | 5mm | -51   | -87.5 | -207 | 159.9 |
| FR1 n5      | Ant4 |      | 5mm | -9.4  | 77.6  | -207 |       | FR1 n48     | Ant5 |      | 5mm | -41   | 72.1  | -207 |       |
| LTE Band 30 | Ant1 | Back | 5mm | 8.7   | -68   | -207 | 142.1 | LTE Band 71 | Ant0 | Back | 5mm | -51   | -81.2 | -207 | 164.2 |
| FR1 n66     | Ant4 |      | 5mm | -11.2 | 72.7  | -207 |       | FR1 n5      | Ant4 |      | 5mm | -9.4  | 77.6  | -207 |       |
| LTE Band 7  | Ant1 | Back | 5mm | 8.4   | -69   | -207 | 143.0 | LTE Band 12 | Ant0 | Back | 5mm | -40   | -85.3 | -207 | 165.7 |
| FR1 n66     | Ant4 |      | 5mm | -11.2 | 72.7  | -207 |       | FR1 n5      | Ant4 |      | 5mm | -9.4  | 77.6  | -207 |       |
| LTE Band 30 | Ant1 | Back | 5mm | 8.7   | -68   | -207 | 139.7 | LTE Band 13 | Ant0 | Back | 5mm | -52   | -78.6 | -207 | 161.9 |
| FR1 n25     | Ant4 |      | 5mm | -10.1 | 70.4  | -207 |       | FR1 n5      | Ant4 |      | 5mm | -9.4  | 77.6  | -207 |       |
| LTE Band 7  | Ant1 | Back | 5mm | 8.4   | -69   | -207 | 140.6 | LTE Band 14 | Ant0 | Back | 5mm | -41   | -94.2 | -207 | 174.7 |
| FR1 n25     | Ant4 |      | 5mm | -10.1 | 70.4  | -207 |       | FR1 n5      | Ant4 |      | 5mm | -9.4  | 77.6  | -207 |       |
| LTE Band 71 | Ant0 | Back | 5mm | -51   | -81.2 | -207 | 159.1 | LTE Band 26 | Ant0 | Back | 5mm | -52   | -80.2 | -207 | 163.4 |
| FR1 n71     | Ant4 |      | 5mm | -9.6  | 72.4  | -207 |       | FR1 n5      | Ant4 |      | 5mm | -9.4  | 77.6  | -207 |       |
| LTE Band 12 | Ant0 | Back | 5mm | -40   | -85.3 | -207 | 160.6 | LTE Band 2  | Ant0 | Back | 5mm | -51   | -87.5 | -207 | 170.3 |
| FR1 n71     | Ant4 |      | 5mm | -9.6  | 72.4  | -207 |       | FR1 n5      | Ant4 |      | 5mm | -9.4  | 77.6  | -207 |       |
| LTE Band 13 | Ant0 | Back | 5mm | -52   | -78.6 | -207 | 156.8 | LTE Band 71 | Ant0 | Back | 5mm | -51   | -81.2 | -207 | 159.0 |
| FR1 n71     | Ant4 |      | 5mm | -9.6  | 72.4  | -207 |       | FR1 n66     | Ant4 |      | 5mm | -11.2 | 72.7  | -207 |       |
| LTE Band 14 | Ant0 | Back | 5mm | -41   | -94.2 | -207 | 169.5 | LTE Band 12 | Ant0 | Back | 5mm | -40   | -85.3 | -207 | 160.6 |
| FR1 n71     | Ant4 |      | 5mm | -9.6  | 72.4  | -207 |       | FR1 n66     | Ant4 |      | 5mm | -11.2 | 72.7  | -207 |       |
| LTE Band 26 | Ant0 | Back | 5mm | -52   | -80.2 | -207 | 158.4 | LTE Band 13 | Ant0 | Back | 5mm | -52   | -78.6 | -207 | 156.7 |
| FR1 n71     | Ant4 |      | 5mm | -9.6  | 72.4  | -207 |       | FR1 n66     | Ant4 |      | 5mm | -11.2 | 72.7  | -207 |       |
| LTE Band 2  | Ant0 | Back | 5mm | -51   | -87.5 | -207 | 165.2 | LTE Band 14 | Ant0 | Back | 5mm | -41   | -94.2 | -207 | 169.5 |
| FR1 n71     | Ant4 |      | 5mm | -9.6  | 72.4  | -207 |       | FR1 n66     | Ant4 |      | 5mm | -11.2 | 72.7  | -207 |       |
| LTE Band 71 | Ant0 | Back | 5mm | -51   | -81.2 | -207 | 161.2 | LTE Band 26 | Ant0 | Back | 5mm | -52   | -80.2 | -207 | 158.2 |
| FR1 n12     | Ant4 |      | 5mm | -7.7  | 74.1  | -207 |       | FR1 n66     | Ant4 |      | 5mm | -11.2 | 72.7  | -207 |       |
| LTE Band 12 | Ant0 | Back | 5mm | -40   | -85.3 | -207 | 162.6 | LTE Band 2  | Ant0 | Back | 5mm | -51   | -87.5 | -207 | 165.1 |
| FR1 n12     | Ant4 |      | 5mm | -7.7  | 74.1  | -207 |       | FR1 n66     | Ant4 |      | 5mm | -11.2 | 72.7  | -207 |       |
| LTE Band 13 | Ant0 | Back | 5mm | -52   | -78.6 | -207 | 159.0 | LTE Band 71 | Ant0 | Back | 5mm | -51   | -81.2 | -207 | 157.0 |
| FR1 n12     | Ant4 |      | 5mm | -7.7  | 74.1  | -207 |       | FR1 n25     | Ant4 |      | 5mm | -10.1 | 70.4  | -207 |       |
| LTE Band 14 | Ant0 | Back | 5mm | -41   | -94.2 | -207 | 171.6 | LTE Band 12 | Ant0 | Back | 5mm | -40   | -85.3 | -207 | 158.5 |
| FR1 n12     | Ant4 |      | 5mm | -7.7  | 74.1  | -207 |       | FR1 n25     | Ant4 |      | 5mm | -10.1 | 70.4  | -207 |       |
| LTE Band 26 | Ant0 | Back | 5mm | -52   | -80.2 | -207 | 160.5 | LTE Band 13 | Ant0 | Back | 5mm | -52   | -78.6 | -207 | 154.8 |
| FR1 n12     | Ant4 |      | 5mm | -7.7  | 74.1  | -207 |       | FR1 n25     | Ant4 |      | 5mm | -10.1 | 70.4  | -207 |       |
| LTE Band 2  | Ant0 | Back | 5mm | -51   | -87.5 | -207 | 167.3 | LTE Band 14 | Ant0 | Back | 5mm | -41   | -94.2 | -207 | 167.5 |
| FR1 n12     | Ant4 |      | 5mm | -7.7  | 74.1  | -207 |       | FR1 n25     | Ant4 |      | 5mm | -10.1 | 70.4  | -207 |       |
| LTE Band 48 | Ant0 | Back | 5mm | -34   | 75.5  | -207 | 161.9 | LTE Band 26 | Ant0 | Back | 5mm | -52   | -80.2 | -207 | 156.3 |
| FR1 n71     | Ant5 |      | 5mm | -53   | -85.3 | -207 |       | FR1 n25     | Ant4 |      | 5mm | -10.1 | 70.4  | -207 |       |
| LTE Band 48 | Ant0 | Back | 5mm | -34   | 75.5  | -207 | 159.4 | LTE Band 2  | Ant0 | Back | 5mm | -51   | -87.5 | -207 | 163.1 |
| FR1 n5      | Ant5 |      | 5mm | -63   | -81.2 | -207 |       | FR1 n25     | Ant4 |      | 5mm | -10.1 | 70.4  | -207 |       |
| LTE Band 48 | Ant0 | Back | 5mm | -34   | 75.5  | -207 | 158.7 | LTE Band 48 | Ant5 | Back | 5mm | -34   | 75.5  | -207 | 163.3 |
| FR1 n66     | Ant5 |      | 5mm | -45   | -82.8 | -207 |       | FR1 n2      | Ant0 |      | 5mm | -48   | -87.2 | -207 |       |

Note: According to the above tables the minimum distance is as follows:

| Simultaneous | Position | minimum 3D distance (mm) |
|--------------|----------|--------------------------|
| WWAN+WLAN/BT | Back 5mm | 133.5                    |





Sensor off

| Band        | Ant  | Position | Gap (mm) | SAR peak location (mm) |       |      | 3D distance (mm) | Band        | Ant  | Position | Gap (mm) | SAR peak location (mm) |       |      | 3D distance (mm) |
|-------------|------|----------|----------|------------------------|-------|------|------------------|-------------|------|----------|----------|------------------------|-------|------|------------------|
|             |      |          |          | X                      | Y     | Z    |                  |             |      |          |          | X                      | Y     | Z    |                  |
| LTE Band 71 | Ant0 | Back     | 22mm     | -50                    | -81.6 | -207 | 146.6            | LTE Band 71 | Ant0 | Back     | 22mm     | -50                    | -81.6 | -207 | 144.8            |
| BT          | Ant6 |          | 22mm     | -51.2                  | 65    | -207 |                  | WIFI 5G     | Ant6 |          | 22mm     | -58.2                  | 63    | -207 |                  |
| LTE Band 12 | Ant0 | Back     | 22mm     | -41                    | -85.1 | -207 | 150.4            | LTE Band 12 | Ant0 | Back     | 22mm     | -41                    | -85.1 | -207 | 149.1            |
| BT          | Ant6 |          | 22mm     | -51.2                  | 65    | -207 |                  | WIFI 5G     | Ant6 |          | 22mm     | -58.2                  | 63    | -207 |                  |
| LTE Band 13 | Ant0 | Back     | 22mm     | -52                    | -78.9 | -207 | 143.9            | LTE Band 13 | Ant0 | Back     | 22mm     | -52                    | -78.9 | -207 | 142.0            |
| BT          | Ant6 |          | 22mm     | -51.2                  | 65    | -207 |                  | WIFI 5G     | Ant6 |          | 22mm     | -58.2                  | 63    | -207 |                  |
| LTE Band 14 | Ant0 | Back     | 22mm     | -41                    | -93.4 | -207 | 158.7            | LTE Band 14 | Ant0 | Back     | 22mm     | -41                    | -93.4 | -207 | 157.3            |
| BT          | Ant6 |          | 22mm     | -51.2                  | 65    | -207 |                  | WIFI 5G     | Ant6 |          | 22mm     | -58.2                  | 63    | -207 |                  |
| FR1 n71     | Ant0 | Back     | 22mm     | -52                    | -83.1 | -207 | 148.1            | FR1 n71     | Ant0 | Back     | 22mm     | -52                    | -83.1 | -207 | 146.2            |
| BT          | Ant6 |          | 22mm     | -51.2                  | 65    | -207 |                  | WIFI 5G     | Ant6 |          | 22mm     | -58.2                  | 63    | -207 |                  |
| FR1 n12     | Ant0 | Back     | 22mm     | -51                    | -80   | -207 | 145.0            | FR1 n12     | Ant0 | Back     | 22mm     | -51                    | -80   | -207 | 143.2            |
| BT          | Ant6 |          | 22mm     | -51.2                  | 65    | -207 |                  | WIFI 5G     | Ant6 |          | 22mm     | -58.2                  | 63    | -207 |                  |
| FR1 n14     | Ant0 | Back     | 22mm     | -55                    | -76   | -207 | 141.1            | FR1 n14     | Ant0 | Back     | 22mm     | -55                    | -76   | -207 | 139.0            |
| BT          | Ant6 |          | 22mm     | -51.2                  | 65    | -207 |                  | WIFI 5G     | Ant6 |          | 22mm     | -58.2                  | 63    | -207 |                  |
| GSM850      | Ant0 | Back     | 22mm     | -54                    | -75   | -207 | 140.0            | GSM850      | Ant0 | Back     | 22mm     | -54                    | -75   | -207 | 138.1            |
| BT          | Ant6 |          | 22mm     | -51.2                  | 65    | -207 |                  | WIFI 5G     | Ant6 |          | 22mm     | -58.2                  | 63    | -207 |                  |
| WCDMA V     | Ant0 | Back     | 22mm     | -50                    | -82.6 | -207 | 147.6            | WCDMA V     | Ant0 | Back     | 22mm     | -50                    | -82.6 | -207 | 145.8            |
| BT          | Ant6 |          | 22mm     | -51.2                  | 65    | -207 |                  | WIFI 5G     | Ant6 |          | 22mm     | -58.2                  | 63    | -207 |                  |
| LTE Band 26 | Ant0 | Back     | 22mm     | -45                    | -89.7 | -207 | 154.8            | LTE Band 26 | Ant0 | Back     | 22mm     | -45                    | -89.7 | -207 | 153.3            |
| BT          | Ant6 |          | 22mm     | -51.2                  | 65    | -207 |                  | WIFI 5G     | Ant6 |          | 22mm     | -58.2                  | 63    | -207 |                  |
| FR1 n26     | Ant0 | Back     | 22mm     | -62                    | -81.6 | -207 | 147.0            | FR1 n26     | Ant0 | Back     | 22mm     | -62                    | -81.6 | -207 | 144.6            |
| BT          | Ant6 |          | 22mm     | -51.2                  | 65    | -207 |                  | WIFI 5G     | Ant6 |          | 22mm     | -58.2                  | 63    | -207 |                  |
| WCDMA IV    | Ant0 | Back     | 22mm     | -52                    | -87   | -207 | 152.0            | WCDMA IV    | Ant0 | Back     | 22mm     | -52                    | -87   | -207 | 150.1            |
| BT          | Ant6 |          | 22mm     | -51.2                  | 65    | -207 |                  | WIFI 5G     | Ant6 |          | 22mm     | -58.2                  | 63    | -207 |                  |
| LTE Band 66 | Ant0 | Back     | 22mm     | -56                    | -81.2 | -207 | 146.3            | LTE Band 66 | Ant0 | Back     | 22mm     | -56                    | -81.2 | -207 | 144.2            |
| BT          | Ant6 |          | 22mm     | -51.2                  | 65    | -207 |                  | WIFI 5G     | Ant6 |          | 22mm     | -58.2                  | 63    | -207 |                  |
| FR1 n70     | Ant0 | Back     | 22mm     | -43                    | -93.6 | -207 | 158.8            | FR1 n70     | Ant0 | Back     | 22mm     | -43                    | -93.6 | -207 | 157.3            |
| BT          | Ant6 |          | 22mm     | -51.2                  | 65    | -207 |                  | WIFI 5G     | Ant6 |          | 22mm     | -58.2                  | 63    | -207 |                  |
| FR1 n66     | Ant0 | Back     | 22mm     | -47                    | -81.4 | -207 | 146.5            | FR1 n66     | Ant0 | Back     | 22mm     | -47                    | -81.4 | -207 | 144.8            |
| BT          | Ant6 |          | 22mm     | -51.2                  | 65    | -207 |                  | WIFI 5G     | Ant6 |          | 22mm     | -58.2                  | 63    | -207 |                  |
| GSM1900     | Ant0 | Back     | 22mm     | -46                    | -82.3 | -207 | 147.4            | GSM1900     | Ant0 | Back     | 22mm     | -46                    | -82.3 | -207 | 145.8            |
| BT          | Ant6 |          | 22mm     | -51.2                  | 65    | -207 |                  | WIFI 5G     | Ant6 |          | 22mm     | -58.2                  | 63    | -207 |                  |
| WCDMA II    | Ant0 | Back     | 22mm     | -55                    | -78.3 | -207 | 143.4            | WCDMA II    | Ant0 | Back     | 22mm     | -55                    | -78.3 | -207 | 141.3            |
| BT          | Ant6 |          | 22mm     | -51.2                  | 65    | -207 |                  | WIFI 5G     | Ant6 |          | 22mm     | -58.2                  | 63    | -207 |                  |
| LTE Band 25 | Ant0 | Back     | 22mm     | -52                    | -86.2 | -207 | 151.2            | LTE Band 25 | Ant0 | Back     | 22mm     | -52                    | -86.2 | -207 | 149.3            |
| BT          | Ant6 |          | 22mm     | -51.2                  | 65    | -207 |                  | WIFI 5G     | Ant6 |          | 22mm     | -58.2                  | 63    | -207 |                  |
| FR1 n25     | Ant0 | Back     | 22mm     | -49                    | -86.8 | -207 | 151.8            | FR1 n25     | Ant0 | Back     | 22mm     | -49                    | -86.8 | -207 | 150.1            |
| BT          | Ant6 |          | 22mm     | -51.2                  | 65    | -207 |                  | WIFI 5G     | Ant6 |          | 22mm     | -58.2                  | 63    | -207 |                  |
| LTE Band 71 | Ant0 | Back     | 22mm     | -50                    | -81.6 | -207 | 147.6            | LTE Band 71 | Ant0 | Back     | 22mm     | -50                    | -81.6 | -207 | 161.7            |
| WIFI 2.4G   | Ant6 |          | 22mm     | -53.7                  | 66    | -207 |                  | FR1 n77     | Ant5 |          | 22mm     | -11                    | 75.3  | -207 |                  |
| LTE Band 12 | Ant0 | Back     | 22mm     | -41                    | -85.1 | -207 | 151.6            | LTE Band 12 | Ant0 | Back     | 22mm     | -41                    | -85.1 | -207 | 163.2            |
| WIFI 2.4G   | Ant6 |          | 22mm     | -53.7                  | 66    | -207 |                  | FR1 n77     | Ant5 |          | 22mm     | -11                    | 75.3  | -207 |                  |
| LTE Band 13 | Ant0 | Back     | 22mm     | -52                    | -78.9 | -207 | 144.9            | LTE Band 13 | Ant0 | Back     | 22mm     | -52                    | -78.9 | -207 | 159.6            |
| WIFI 2.4G   | Ant6 |          | 22mm     | -53.7                  | 66    | -207 |                  | FR1 n77     | Ant5 |          | 22mm     | -11                    | 75.3  | -207 |                  |
| LTE Band 14 | Ant0 | Back     | 22mm     | -41                    | -93.4 | -207 | 159.9            | LTE Band 14 | Ant0 | Back     | 22mm     | -41                    | -93.4 | -207 | 171.3            |
| WIFI 2.4G   | Ant6 |          | 22mm     | -53.7                  | 66    | -207 |                  | FR1 n77     | Ant5 |          | 22mm     | -11                    | 75.3  | -207 |                  |
| FR1 n71     | Ant0 | Back     | 22mm     | -52                    | -83.1 | -207 | 149.1            | LTE Band 26 | Ant0 | Back     | 22mm     | -45                    | -89.7 | -207 | 168.5            |
| WIFI 2.4G   | Ant6 |          | 22mm     | -53.7                  | 66    | -207 |                  | FR1 n77     | Ant5 |          | 22mm     | -11                    | 75.3  | -207 |                  |
| FR1 n12     | Ant0 | Back     | 22mm     | -51                    | -80   | -207 | 146.0            | LTE Band 66 | Ant0 | Back     | 22mm     | -56                    | -81.2 | -207 | 162.8            |
| WIFI 2.4G   | Ant6 |          | 22mm     | -53.7                  | 66    | -207 |                  | FR1 n77     | Ant5 |          | 22mm     | -11                    | 75.3  | -207 |                  |
| FR1 n14     | Ant0 | Back     | 22mm     | -55                    | -76   | -207 | 142.0            | LTE Band 25 | Ant0 | Back     | 22mm     | -52                    | -86.2 | -207 | 166.6            |
| WIFI 2.4G   | Ant6 |          | 22mm     | -53.7                  | 66    | -207 |                  | FR1 n77     | Ant5 |          | 22mm     | -11                    | 75.3  | -207 |                  |
| GSM850      | Ant0 | Back     | 22mm     | -54                    | -75   | -207 | 141.0            | LTE Band 71 | Ant0 | Back     | 22mm     | -50                    | -81.6 | -207 | 157.3            |





|             |      |      |      |       |       |      |       |             |      |      |      |       |       |      |       |
|-------------|------|------|------|-------|-------|------|-------|-------------|------|------|------|-------|-------|------|-------|
| WIFI 2.4G   | Ant6 |      | 22mm | -53.7 | 66    | -207 |       | FR1 n48     | Ant5 |      | 22mm | -14   | 71.5  | -207 |       |
| WCDMA V     | Ant0 | Back | 22mm | -50   | -82.6 | -207 | 148.6 | LTE Band 12 | Ant0 | Back | 22mm | -41   | -85.1 | -207 | 158.9 |
| WIFI 2.4G   | Ant6 |      | 22mm | -53.7 | 66    | -207 |       | FR1 n48     | Ant5 |      | 22mm | -14   | 71.5  | -207 |       |
| LTE Band 26 | Ant0 | Back | 22mm | -45   | -89.7 | -207 | 155.9 | LTE Band 13 | Ant0 | Back | 22mm | -52   | -78.9 | -207 | 155.1 |
| WIFI 2.4G   | Ant6 |      | 22mm | -53.7 | 66    | -207 |       | FR1 n48     | Ant5 |      | 22mm | -14   | 71.5  | -207 |       |
| FR1 n26     | Ant0 | Back | 22mm | -62   | -81.6 | -207 | 147.8 | LTE Band 14 | Ant0 | Back | 22mm | -41   | -93.4 | -207 | 167.1 |
| WIFI 2.4G   | Ant6 |      | 22mm | -53.7 | 66    | -207 |       | FR1 n48     | Ant5 |      | 22mm | -14   | 71.5  | -207 |       |
| WCDMA IV    | Ant0 | Back | 22mm | -52   | -87   | -207 | 153.0 | LTE Band 26 | Ant0 | Back | 22mm | -45   | -89.7 | -207 | 164.2 |
| WIFI 2.4G   | Ant6 |      | 22mm | -53.7 | 66    | -207 |       | FR1 n48     | Ant5 |      | 22mm | -14   | 71.5  | -207 |       |
| LTE Band 66 | Ant0 | Back | 22mm | -56   | -81.2 | -207 | 147.2 | LTE Band 66 | Ant0 | Back | 22mm | -56   | -81.2 | -207 | 158.4 |
| WIFI 2.4G   | Ant6 |      | 22mm | -53.7 | 66    | -207 |       | FR1 n48     | Ant5 |      | 22mm | -14   | 71.5  | -207 |       |
| FR1 n70     | Ant0 | Back | 22mm | -43   | -93.6 | -207 | 160.0 | LTE Band 25 | Ant0 | Back | 22mm | -52   | -86.2 | -207 | 162.2 |
| WIFI 2.4G   | Ant6 |      | 22mm | -53.7 | 66    | -207 |       | FR1 n48     | Ant5 |      | 22mm | -14   | 71.5  | -207 |       |
| FR1 n66     | Ant0 | Back | 22mm | -47   | -81.4 | -207 | 147.6 | LTE Band 12 | Ant0 | Back | 22mm | -41   | -85.1 | -207 | 170.5 |
| WIFI 2.4G   | Ant6 |      | 22mm | -53.7 | 66    | -207 |       | LTE Band 66 | Ant4 |      | 22mm | -10.3 | 82.6  | -207 |       |
| GSM1900     | Ant0 | Back | 22mm | -46   | -82.3 | -207 | 148.5 | LTE Band 13 | Ant0 | Back | 22mm | -52   | -78.9 | -207 | 166.8 |
| WIFI 2.4G   | Ant6 |      | 22mm | -53.7 | 66    | -207 |       | LTE Band 66 | Ant4 |      | 22mm | -10.3 | 82.6  | -207 |       |
| WCDMA II    | Ant0 | Back | 22mm | -55   | -78.3 | -207 | 144.3 | LTE Band 14 | Ant0 | Back | 22mm | -41   | -93.4 | -207 | 178.7 |
| WIFI 2.4G   | Ant6 |      | 22mm | -53.7 | 66    | -207 |       | LTE Band 66 | Ant4 |      | 22mm | -10.3 | 82.6  | -207 |       |
| LTE Band 25 | Ant0 | Back | 22mm | -52   | -86.2 | -207 | 152.2 | LTE Band 5  | Ant0 | Back | 22mm | -45   | -89.7 | -207 | 175.8 |
| WIFI 2.4G   | Ant6 |      | 22mm | -53.7 | 66    | -207 |       | LTE Band 66 | Ant4 |      | 22mm | -10.3 | 82.6  | -207 |       |
| FR1 n25     | Ant0 | Back | 22mm | -49   | -86.8 | -207 | 152.9 | LTE Band 4  | Ant0 | Back | 22mm | -56   | -81.2 | -207 | 170.1 |
| WIFI 2.4G   | Ant6 |      | 22mm | -53.7 | 66    | -207 |       | LTE Band 66 | Ant4 |      | 22mm | -10.3 | 82.6  | -207 |       |
| LTE Band 12 | Ant0 | Back | 22mm | -41   | -85.1 | -207 | 170.0 | LTE Band 2  | Ant0 | Back | 22mm | -52   | -86.2 | -207 | 173.9 |
| LTE Band 13 | Ant4 |      | 22mm | -11.8 | 82.4  | -207 |       | LTE Band 66 | Ant4 |      | 22mm | -10.3 | 82.6  | -207 |       |
| LTE Band 13 | Ant0 | Back | 22mm | -52   | -78.9 | -207 | 166.2 | LTE Band 2  | Ant0 | Back | 22mm | -52   | -86.2 | -207 | 165.9 |
| LTE Band 13 | Ant4 |      | 22mm | -11.8 | 82.4  | -207 |       | LTE Band 48 | Ant4 |      | 22mm | -14   | 75.3  | -207 |       |
| LTE Band 14 | Ant0 | Back | 22mm | -41   | -93.4 | -207 | 178.2 |             |      |      |      |       |       |      |       |
| LTE Band 13 | Ant4 |      | 22mm | -11.8 | 82.4  | -207 |       |             |      |      |      |       |       |      |       |
| LTE Band 5  | Ant0 | Back | 22mm | -45   | -89.7 | -207 | 175.3 |             |      |      |      |       |       |      |       |
| LTE Band 13 | Ant4 |      | 22mm | -11.8 | 82.4  | -207 |       |             |      |      |      |       |       |      |       |
| LTE Band 4  | Ant0 | Back | 22mm | -56   | -81.2 | -207 | 169.5 |             |      |      |      |       |       |      |       |
| LTE Band 13 | Ant4 |      | 22mm | -11.8 | 82.4  | -207 |       |             |      |      |      |       |       |      |       |
| LTE Band 2  | Ant0 | Back | 22mm | -52   | -86.2 | -207 | 173.3 |             |      |      |      |       |       |      |       |
| LTE Band 13 | Ant4 |      | 22mm | -11.8 | 82.4  | -207 |       |             |      |      |      |       |       |      |       |
| LTE Band 12 | Ant0 | Back | 22mm | -41   | -85.1 | -207 | 174.4 |             |      |      |      |       |       |      |       |
| LTE Band 14 | Ant4 |      | 22mm | -8.1  | 86.2  | -207 |       |             |      |      |      |       |       |      |       |
| LTE Band 13 | Ant0 | Back | 22mm | -52   | -78.9 | -207 | 170.8 |             |      |      |      |       |       |      |       |
| LTE Band 14 | Ant4 |      | 22mm | -8.1  | 86.2  | -207 |       |             |      |      |      |       |       |      |       |
| LTE Band 14 | Ant0 | Back | 22mm | -41   | -93.4 | -207 | 182.6 |             |      |      |      |       |       |      |       |
| LTE Band 14 | Ant4 |      | 22mm | -8.1  | 86.2  | -207 |       |             |      |      |      |       |       |      |       |
| LTE Band 5  | Ant0 | Back | 22mm | -45   | -89.7 | -207 | 179.7 |             |      |      |      |       |       |      |       |
| LTE Band 14 | Ant4 |      | 22mm | -8.1  | 86.2  | -207 |       |             |      |      |      |       |       |      |       |
| LTE Band 4  | Ant0 | Back | 22mm | -56   | -81.2 | -207 | 174.1 |             |      |      |      |       |       |      |       |
| LTE Band 14 | Ant4 |      | 22mm | -8.1  | 86.2  | -207 |       |             |      |      |      |       |       |      |       |
| LTE Band 2  | Ant0 | Back | 22mm | -52   | -86.2 | -207 | 177.9 |             |      |      |      |       |       |      |       |
| LTE Band 14 | Ant4 |      | 22mm | -8.1  | 86.2  | -207 |       |             |      |      |      |       |       |      |       |

Note: According to the above tables the minimum distance is as follows:

| Simultaneous | Position  | minimum 3D distance (mm) |
|--------------|-----------|--------------------------|
| WWAN+WLAN/BT | Back 22mm | 138.1                    |



For Extremity  
Front

| Band        | Ant  | Position | Gap (mm) | SAR peak location (mm) |       |      | 3D distance (mm) | Band        | Ant  | Position | Gap (mm) | SAR peak location (mm) |       |      | 3D distance (mm) |
|-------------|------|----------|----------|------------------------|-------|------|------------------|-------------|------|----------|----------|------------------------|-------|------|------------------|
|             |      |          |          | X                      | Y     | Z    |                  |             |      |          |          | X                      | Y     | Z    |                  |
| LTE Band 30 | Ant1 | Front    | 0mm      | -11                    | -81.8 | -207 | 156.0            | LTE Band 30 | Ant1 | Front    | 0mm      | -11                    | -81.8 | -207 | 152.1            |
| BT          | Ant6 |          | 0mm      | -12.5                  | 74.2  | -207 |                  | WIFI 5G     | Ant6 |          | 0mm      | -18.2                  | 70.1  | -207 |                  |
| FR1 n30     | Ant1 | Front    | 0mm      | -10                    | -80.5 | -207 | 154.7            | FR1 n30     | Ant1 | Front    | 0mm      | -10                    | -80.5 | -207 | 150.8            |
| BT          | Ant6 |          | 0mm      | -12.5                  | 74.2  | -207 |                  | WIFI 5G     | Ant6 |          | 0mm      | -18.2                  | 70.1  | -207 |                  |
| LTE Band 7  | Ant1 | Front    | 0mm      | -14                    | -85.5 | -207 | 159.7            | LTE Band 7  | Ant1 | Front    | 0mm      | -14                    | -85.5 | -207 | 155.7            |
| BT          | Ant6 |          | 0mm      | -12.5                  | 74.2  | -207 |                  | WIFI 5G     | Ant6 |          | 0mm      | -18.2                  | 70.1  | -207 |                  |
| LTE Band 41 | Ant1 | Front    | 0mm      | -11                    | -74.2 | -207 | 148.4            | LTE Band 41 | Ant1 | Front    | 0mm      | -11                    | -74.2 | -207 | 144.5            |
| BT          | Ant6 |          | 0mm      | -12.5                  | 74.2  | -207 |                  | WIFI 5G     | Ant6 |          | 0mm      | -18.2                  | 70.1  | -207 |                  |
| FR1 n7      | Ant1 | Front    | 0mm      | -15                    | -86.7 | -207 | 160.9            | FR1 n7      | Ant1 | Front    | 0mm      | -15                    | -86.7 | -207 | 156.8            |
| BT          | Ant6 |          | 0mm      | -12.5                  | 74.2  | -207 |                  | WIFI 5G     | Ant6 |          | 0mm      | -18.2                  | 70.1  | -207 |                  |
| FR1 n41     | Ant1 | Front    | 0mm      | -8                     | -79.2 | -207 | 153.5            | FR1 n41     | Ant1 | Front    | 0mm      | -8                     | -79.2 | -207 | 149.6            |
| BT          | Ant6 |          | 0mm      | -12.5                  | 74.2  | -207 |                  | WIFI 5G     | Ant6 |          | 0mm      | -18.2                  | 70.1  | -207 |                  |
| LTE Band 30 | Ant1 | Front    | 0mm      | -11                    | -81.8 | -207 | 157.3            | LTE Band 30 | Ant1 | Front    | 0mm      | -11                    | -81.8 | -207 | 125.1            |
| WIFI 2.4G   | Ant6 |          | 0mm      | -13.1                  | 75.5  | -207 |                  | NFC         | Ant9 |          | 0mm      | -2                     | 43    | -207 |                  |
| FR1 n30     | Ant1 | Front    | 0mm      | -10                    | -80.5 | -207 | 156.0            | FR1 n30     | Ant1 | Front    | 0mm      | -10                    | -80.5 | -207 | 123.8            |
| WIFI 2.4G   | Ant6 |          | 0mm      | -13.1                  | 75.5  | -207 |                  | NFC         | Ant9 |          | 0mm      | -2                     | 43    | -207 |                  |
| LTE Band 7  | Ant1 | Front    | 0mm      | -14                    | -85.5 | -207 | 161.0            | LTE Band 7  | Ant1 | Front    | 0mm      | -14                    | -85.5 | -207 | 129.1            |
| WIFI 2.4G   | Ant6 |          | 0mm      | -13.1                  | 75.5  | -207 |                  | NFC         | Ant9 |          | 0mm      | -2                     | 43    | -207 |                  |
| LTE Band 41 | Ant1 | Front    | 0mm      | -11                    | -74.2 | -207 | 149.7            | LTE Band 41 | Ant1 | Front    | 0mm      | -11                    | -74.2 | -207 | 117.5            |
| WIFI 2.4G   | Ant6 |          | 0mm      | -13.1                  | 75.5  | -207 |                  | NFC         | Ant9 |          | 0mm      | -2                     | 43    | -207 |                  |
| FR1 n7      | Ant1 | Front    | 0mm      | -15                    | -86.7 | -207 | 162.2            | FR1 n7      | Ant1 | Front    | 0mm      | -15                    | -86.7 | -207 | 130.3            |
| WIFI 2.4G   | Ant6 |          | 0mm      | -13.1                  | 75.5  | -207 |                  | NFC         | Ant9 |          | 0mm      | -2                     | 43    | -207 |                  |
| FR1 n41     | Ant1 | Front    | 0mm      | -8                     | -79.2 | -207 | 154.8            | FR1 n41     | Ant1 | Front    | 0mm      | -8                     | -79.2 | -207 | 122.3            |
| WIFI 2.4G   | Ant6 |          | 0mm      | -13.1                  | 75.5  | -207 |                  | NFC         | Ant9 |          | 0mm      | -2                     | 43    | -207 |                  |
| LTE Band 2  | Ant0 | Front    | 0mm      | -2.3                   | -72.8 | -207 | 149.9            | LTE Band 66 | Ant4 | Front    | 0mm      | -58.1                  | 62.3  | -207 | 142.0            |
| LTE Band 48 | Ant5 |          | 0mm      | -37.2                  | 73    | -207 |                  | FR1 n25     | Ant0 |          | 0mm      | -8.8                   | -70.9 | -207 |                  |
| LTE Band 48 | Ant5 | Front    | 0mm      | -37.2                  | 73    | -207 | 153.6            | LTE Band 66 | Ant4 | Front    | 0mm      | -58.1                  | 62.3  | -207 | 149.4            |
| LTE Band 66 | Ant0 |          | 0mm      | -6.5                   | -77.5 | -207 |                  | FR1 n66     | Ant0 |          | 0mm      | -5.7                   | -77.6 | -207 |                  |
| LTE Band 2  | Ant0 | Front    | 0mm      | -2.3                   | -72.8 | -207 | 146.2            | LTE Band 2  | Ant0 | Front    | 0mm      | -2.3                   | -72.8 | -207 | 147.4            |
| LTE Band 66 | Ant4 |          | 0mm      | -58.1                  | 62.3  | -207 |                  | BT          | Ant6 |          | 0mm      | -12.5                  | 74.2  | -207 |                  |
| LTE Band 4  | Ant0 | Front    | 0mm      | -6.5                   | -77.5 | -207 | 149.0            | LTE Band 66 | Ant0 | Front    | 0mm      | -6.5                   | -77.5 | -207 | 151.8            |
| LTE Band 66 | Ant4 |          | 0mm      | -58.1                  | 62.3  | -207 |                  | BT          | Ant6 |          | 0mm      | -12.5                  | 74.2  | -207 |                  |
| LTE Band 5  | Ant0 | Front    | 0mm      | -11.6                  | -78.1 | -207 | 147.9            | LTE Band 2  | Ant0 | Front    | 0mm      | -2.3                   | -72.8 | -207 | 148.7            |
| LTE Band 66 | Ant4 |          | 0mm      | -58.1                  | 62.3  | -207 |                  | WIFI 2.4G   | Ant6 |          | 0mm      | -13.1                  | 75.5  | -207 |                  |
| LTE Band 2  | Ant0 | Front    | 0mm      | -2.3                   | -72.8 | -207 | 147.4            | LTE Band 66 | Ant0 | Front    | 0mm      | -6.5                   | -77.5 | -207 | 153.1            |
| BT          | Ant6 |          | 0mm      | -12.5                  | 74.2  | -207 |                  | WIFI 2.4G   | Ant6 |          | 0mm      | -13.1                  | 75.5  | -207 |                  |
| LTE Band 4  | Ant0 | Front    | 0mm      | -6.5                   | -77.5 | -207 | 151.8            | LTE Band 2  | Ant0 | Front    | 0mm      | -2.3                   | -72.8 | -207 | 143.8            |
| BT          | Ant6 |          | 0mm      | -12.5                  | 74.2  | -207 |                  | WIFI 5G     | Ant6 |          | 0mm      | -18.2                  | 70.1  | -207 |                  |
| LTE Band 5  | Ant0 | Front    | 0mm      | -11.6                  | -78.1 | -207 | 152.3            | LTE Band 66 | Ant0 | Front    | 0mm      | -6.5                   | -77.5 | -207 | 148.1            |
| BT          | Ant6 |          | 0mm      | -12.5                  | 74.2  | -207 |                  | WIFI 5G     | Ant6 |          | 0mm      | -18.2                  | 70.1  | -207 |                  |
| LTE Band 2  | Ant0 | Front    | 0mm      | -2.3                   | -72.8 | -207 | 148.7            | LTE Band 2  | Ant0 | Front    | 0mm      | -2.3                   | -72.8 | -207 | 115.8            |
| WIFI 2.4G   | Ant6 |          | 0mm      | -13.1                  | 75.5  | -207 |                  | NFC         | Ant9 |          | 0mm      | -2                     | 43    | -207 |                  |
| LTE Band 4  | Ant0 | Front    | 0mm      | -6.5                   | -77.5 | -207 | 153.1            | LTE Band 66 | Ant0 | Front    | 0mm      | -6.5                   | -77.5 | -207 | 120.6            |
| WIFI 2.4G   | Ant6 |          | 0mm      | -13.1                  | 75.5  | -207 |                  | NFC         | Ant9 |          | 0mm      | -2                     | 43    | -207 |                  |
| LTE Band 5  | Ant0 | Front    | 0mm      | -11.6                  | -78.1 | -207 | 153.6            | FR1 n25     | Ant0 | Front    | 0mm      | -8.8                   | -70.9 | -207 | 145.1            |
| WIFI 2.4G   | Ant6 |          | 0mm      | -13.1                  | 75.5  | -207 |                  | BT          | Ant6 |          | 0mm      | -12.5                  | 74.2  | -207 |                  |
| LTE Band 2  | Ant0 | Front    | 0mm      | -2.3                   | -72.8 | -207 | 143.8            | FR1 n66     | Ant0 | Front    | 0mm      | -5.7                   | -77.6 | -207 | 152.0            |
| WIFI 5G     | Ant6 |          | 0mm      | -18.2                  | 70.1  | -207 |                  | BT          | Ant6 |          | 0mm      | -12.5                  | 74.2  | -207 |                  |
| LTE Band 4  | Ant0 | Front    | 0mm      | -6.5                   | -77.5 | -207 | 148.1            | FR1 n25     | Ant0 | Front    | 0mm      | -8.8                   | -70.9 | -207 | 146.5            |
| WIFI 5G     | Ant6 |          | 0mm      | -18.2                  | 70.1  | -207 |                  | WIFI 2.4G   | Ant6 |          | 0mm      | -13.1                  | 75.5  | -207 |                  |
| LTE Band 5  | Ant0 | Front    | 0mm      | -11.6                  | -78.1 | -207 | 148.3            | FR1 n66     | Ant0 | Front    | 0mm      | -5.7                   | -77.6 | -207 | 153.3            |
| WIFI 5G     | Ant6 |          | 0mm      | -18.2                  | 70.1  | -207 |                  | WIFI 2.4G   | Ant6 |          | 0mm      | -13.1                  | 75.5  | -207 |                  |



|             |      |       |     |       |       |      |       |             |      |       |     |       |       |      |       |
|-------------|------|-------|-----|-------|-------|------|-------|-------------|------|-------|-----|-------|-------|------|-------|
| LTE Band 2  | Ant0 | Front | 0mm | -2.3  | -72.8 | -207 | 115.8 | FR1 n25     | Ant0 | Front | 0mm | -8.8  | -70.9 | -207 | 141.3 |
| NFC         | Ant9 |       | 0mm | -2    | 43    | -207 |       | WIFI 5G     | Ant6 |       | 0mm | -18.2 | 70.1  | -207 |       |
| LTE Band 4  | Ant0 | Front | 0mm | -6.5  | -77.5 | -207 | 120.6 | FR1 n66     | Ant0 | Front | 0mm | -5.7  | -77.6 | -207 | 148.2 |
| NFC         | Ant9 |       | 0mm | -2    | 43    | -207 |       | WIFI 5G     | Ant6 |       | 0mm | -18.2 | 70.1  | -207 |       |
| LTE Band 5  | Ant0 | Front | 0mm | -11.6 | -78.1 | -207 | 121.5 | FR1 n25     | Ant0 | Front | 0mm | -8.8  | -70.9 | -207 | 114.1 |
| NFC         | Ant9 |       | 0mm | -2    | 43    | -207 |       | NFC         | Ant9 |       | 0mm | -2    | 43    | -207 |       |
| LTE Band 30 | Ant1 | Front | 0mm | -11   | -81.8 | -207 | 152.2 | FR1 n66     | Ant0 | Front | 0mm | -5.7  | -77.6 | -207 | 120.7 |
| FR1 n25     | Ant4 |       | 0mm | -53.9 | 64.2  | -207 |       | NFC         | Ant9 |       | 0mm | -2    | 43    | -207 |       |
| LTE Band 7  | Ant1 | Front | 0mm | -14   | -85.5 | -207 | 154.9 | LTE Band 66 | Ant4 | Front | 0mm | -58.1 | 62.3  | -207 | 150.7 |
| FR1 n25     | Ant4 |       | 0mm | -53.9 | 64.2  | -207 |       | FR1 n30     | Ant1 |       | 0mm | -10   | -80.5 | -207 |       |
| LTE Band 30 | Ant1 | Front | 0mm | -11   | -81.8 | -207 | 157.4 | LTE Band 25 | Ant4 | Front | 0mm | -72.6 | 61.2  | -207 | 154.9 |
| FR1 n66     | Ant4 |       | 0mm | -73.1 | 62.8  | -207 |       | FR1 n30     | Ant1 |       | 0mm | -10   | -80.5 | -207 |       |
| LTE Band 7  | Ant1 | Front | 0mm | -14   | -85.5 | -207 | 159.6 | LTE Band 66 | Ant4 | Front | 0mm | -58.1 | 62.3  | -207 | 155.1 |
| FR1 n66     | Ant4 |       | 0mm | -73.1 | 62.8  | -207 |       | FR1 n7      | Ant1 |       | 0mm | -15   | -86.7 | -207 |       |
| LTE Band 66 | Ant0 | Front | 0mm | -6.5  | -77.5 | -207 | 151.8 | LTE Band 25 | Ant4 | Front | 0mm | -72.6 | 61.2  | -207 | 158.7 |
| FR1 n77     | Ant5 |       | 0mm | -38.1 | 71    | -207 |       | FR1 n7      | Ant1 |       | 0mm | -15   | -86.7 | -207 |       |
| LTE Band 25 | Ant0 | Front | 0mm | -2.3  | -72.8 | -207 | 148.2 | LTE Band 66 | Ant4 | Front | 0mm | -58.1 | 62.3  | -207 | 150.1 |
| FR1 n77     | Ant5 |       | 0mm | -38.1 | 71    | -207 |       | FR1 n41     | Ant1 |       | 0mm | -8    | -79.2 | -207 |       |
| LTE Band 26 | Ant0 | Front | 0mm | -11.6 | -78.1 | -207 | 151.4 | LTE Band 25 | Ant4 | Front | 0mm | -72.6 | 61.2  | -207 | 154.5 |
| FR1 n77     | Ant5 |       | 0mm | -38.1 | 71    | -207 |       | FR1 n41     | Ant1 |       | 0mm | -8    | -79.2 | -207 |       |
| LTE Band 66 | Ant0 | Front | 0mm | -6.5  | -77.5 | -207 | 146.0 | LTE Band 2  | Ant4 | Front | 0mm | -2.3  | -72.8 | -207 | 153.0 |
| FR1 n48     | Ant5 |       | 0mm | -27.5 | 67    | -207 |       | FR1 n41     | Ant1 |       | 0mm | -63.3 | 67.5  | -207 |       |
| LTE Band 25 | Ant0 | Front | 0mm | -2.3  | -72.8 | -207 | 142.1 | LTE Band 66 | Ant4 | Front | 0mm | -6.5  | -77.5 | -207 | 155.7 |
| FR1 n48     | Ant5 |       | 0mm | -27.5 | 67    | -207 |       | FR1 n41     | Ant1 |       | 0mm | -63.3 | 67.5  | -207 |       |
| LTE Band 26 | Ant0 | Front | 0mm | -11.6 | -78.1 | -207 | 146.0 | LTE Band 26 | Ant4 | Front | 0mm | -11.6 | -78.1 | -207 | 154.5 |
| FR1 n48     | Ant5 |       | 0mm | -27.5 | 67    | -207 |       | FR1 n41     | Ant1 |       | 0mm | -63.3 | 67.5  | -207 |       |
| LTE Band 2  | Ant0 | Front | 0mm | -2.3  | -72.8 | -207 | 153.0 | LTE Band 2  | Ant0 | Front | 0mm | -2.3  | -72.8 | -207 | 146.4 |
| FR1 n66     | Ant4 |       | 0mm | -73.1 | 62.8  | -207 |       | FR1 n25     | Ant4 |       | 0mm | -53.9 | 64.2  | -207 |       |
| LTE Band 66 | Ant0 | Front | 0mm | -6.5  | -77.5 | -207 | 155.3 | LTE Band 66 | Ant0 | Front | 0mm | -6.5  | -77.5 | -207 | 149.4 |
| FR1 n66     | Ant4 |       | 0mm | -73.1 | 62.8  | -207 |       | FR1 n25     | Ant4 |       | 0mm | -53.9 | 64.2  | -207 |       |
| LTE Band 26 | Ant0 | Front | 0mm | -11.6 | -78.1 | -207 | 153.7 | LTE Band 26 | Ant0 | Front | 0mm | -11.6 | -78.1 | -207 | 148.5 |
| FR1 n66     | Ant4 |       | 0mm | -73.1 | 62.8  | -207 |       | FR1 n25     | Ant4 |       | 0mm | -53.9 | 64.2  | -207 |       |
| LTE Band 48 | Ant5 | Front | 0mm | -37.2 | 73    | -207 | 146.7 | LTE Band 48 | Ant5 | Front | 0mm | -37.2 | 73    | -207 | 153.9 |
| FR1 n2      | Ant0 |       | 0mm | -8.8  | -70.9 | -207 |       | FR1 n66     | Ant0 |       | 0mm | -5.7  | -77.6 | -207 |       |

Note: According to the above tables the minimum distance is as follows:

| Simultaneous | Position  | minimum 3D distance (mm) |
|--------------|-----------|--------------------------|
| WWAN+WLAN/BT | Front 0mm | 114.1                    |



Back

| Band        | Ant  | Position | Gap (mm) | SAR peak location (mm) |       |      | 3D distance (mm) | Band        | Ant  | Position | Gap (mm) | SAR peak location (mm) |       |      | 3D distance (mm) |
|-------------|------|----------|----------|------------------------|-------|------|------------------|-------------|------|----------|----------|------------------------|-------|------|------------------|
|             |      |          |          | X                      | Y     | Z    |                  |             |      |          |          | X                      | Y     | Z    |                  |
| LTE Band 13 | Ant0 | Back     | 0mm      | -12                    | -85.3 | -207 | 158.5            | LTE Band 13 | Ant0 | Back     | 0mm      | -12                    | -85.3 | -207 | 162.9            |
| BT          | Ant6 |          | 0mm      | -61.8                  | 65.2  | -207 |                  | WIFI 5G     | Ant6 |          | 0mm      | -61.7                  | 69.8  | -207 |                  |
| LTE Band 14 | Ant0 | Back     | 0mm      | -16                    | -84.2 | -207 | 156.3            | LTE Band 14 | Ant0 | Back     | 0mm      | -16                    | -84.2 | -207 | 160.6            |
| BT          | Ant6 |          | 0mm      | -61.8                  | 65.2  | -207 |                  | WIFI 5G     | Ant6 |          | 0mm      | -61.7                  | 69.8  | -207 |                  |
| GSM850      | Ant0 | Back     | 0mm      | -9                     | -79.4 | -207 | 153.9            | GSM850      | Ant0 | Back     | 0mm      | -9                     | -79.4 | -207 | 158.2            |
| BT          | Ant6 |          | 0mm      | -61.8                  | 65.2  | -207 |                  | WIFI 5G     | Ant6 |          | 0mm      | -61.7                  | 69.8  | -207 |                  |
| WCDMA V     | Ant0 | Back     | 0mm      | -15                    | -82.6 | -207 | 155.0            | WCDMA V     | Ant0 | Back     | 0mm      | -15                    | -82.6 | -207 | 159.4            |
| BT          | Ant6 |          | 0mm      | -61.8                  | 65.2  | -207 |                  | WIFI 5G     | Ant6 |          | 0mm      | -61.7                  | 69.8  | -207 |                  |
| LTE Band 26 | Ant0 | Back     | 0mm      | -5                     | -86.2 | -207 | 161.7            | LTE Band 26 | Ant0 | Back     | 0mm      | -5                     | -86.2 | -207 | 166.0            |
| BT          | Ant6 |          | 0mm      | -61.8                  | 65.2  | -207 |                  | WIFI 5G     | Ant6 |          | 0mm      | -61.7                  | 69.8  | -207 |                  |
| FR1 n26     | Ant0 | Back     | 0mm      | -6                     | -82.7 | -207 | 158.1            | FR1 n26     | Ant0 | Back     | 0mm      | -6                     | -82.7 | -207 | 162.4            |
| BT          | Ant6 |          | 0mm      | -61.8                  | 65.2  | -207 |                  | WIFI 5G     | Ant6 |          | 0mm      | -61.7                  | 69.8  | -207 |                  |
| WCDMA IV    | Ant0 | Back     | 0mm      | -16                    | -78.2 | -207 | 150.5            | WCDMA IV    | Ant0 | Back     | 0mm      | -16                    | -78.2 | -207 | 154.9            |
| BT          | Ant6 |          | 0mm      | -61.8                  | 65.2  | -207 |                  | WIFI 5G     | Ant6 |          | 0mm      | -61.7                  | 69.8  | -207 |                  |
| LTE Band 66 | Ant0 | Back     | 0mm      | -11                    | -76.8 | -207 | 150.8            | LTE Band 66 | Ant0 | Back     | 0mm      | -11                    | -76.8 | -207 | 155.1            |
| BT          | Ant6 |          | 0mm      | -61.8                  | 65.2  | -207 |                  | WIFI 5G     | Ant6 |          | 0mm      | -61.7                  | 69.8  | -207 |                  |
| FR1 n70     | Ant0 | Back     | 0mm      | -9                     | -84.7 | -207 | 158.9            | FR1 n70     | Ant0 | Back     | 0mm      | -9                     | -84.7 | -207 | 163.2            |
| BT          | Ant6 |          | 0mm      | -61.8                  | 65.2  | -207 |                  | WIFI 5G     | Ant6 |          | 0mm      | -61.7                  | 69.8  | -207 |                  |
| FR1 n66     | Ant0 | Back     | 0mm      | -11                    | -75.4 | -207 | 149.5            | FR1 n66     | Ant0 | Back     | 0mm      | -11                    | -75.4 | -207 | 153.8            |
| BT          | Ant6 |          | 0mm      | -61.8                  | 65.2  | -207 |                  | WIFI 5G     | Ant6 |          | 0mm      | -61.7                  | 69.8  | -207 |                  |
| GSM1900     | Ant0 | Back     | 0mm      | -10                    | -77.3 | -207 | 151.6            | GSM1900     | Ant0 | Back     | 0mm      | -10                    | -77.3 | -207 | 155.9            |
| BT          | Ant6 |          | 0mm      | -61.8                  | 65.2  | -207 |                  | WIFI 5G     | Ant6 |          | 0mm      | -61.7                  | 69.8  | -207 |                  |
| WCDMA II    | Ant0 | Back     | 0mm      | -13                    | -76.8 | -207 | 150.2            | WCDMA II    | Ant0 | Back     | 0mm      | -13                    | -76.8 | -207 | 154.5            |
| BT          | Ant6 |          | 0mm      | -61.8                  | 65.2  | -207 |                  | WIFI 5G     | Ant6 |          | 0mm      | -61.7                  | 69.8  | -207 |                  |
| LTE Band 25 | Ant0 | Back     | 0mm      | -8                     | -83.9 | -207 | 158.5            | LTE Band 25 | Ant0 | Back     | 0mm      | -8                     | -83.9 | -207 | 162.8            |
| BT          | Ant6 |          | 0mm      | -61.8                  | 65.2  | -207 |                  | WIFI 5G     | Ant6 |          | 0mm      | -61.7                  | 69.8  | -207 |                  |
| FR1 n25     | Ant0 | Back     | 0mm      | -9                     | -78   | -207 | 152.6            | FR1 n25     | Ant0 | Back     | 0mm      | -9                     | -78   | -207 | 156.9            |
| BT          | Ant6 |          | 0mm      | -61.8                  | 65.2  | -207 |                  | WIFI 5G     | Ant6 |          | 0mm      | -61.7                  | 69.8  | -207 |                  |
| LTE Band 13 | Ant0 | Back     | 0mm      | -12                    | -85.3 | -207 | 161.2            | LTE Band 13 | Ant0 | Back     | 0mm      | -12                    | -85.3 | -207 | 154.6            |
| WIFI 2.4G   | Ant6 |          | 0mm      | -63.3                  | 67.5  | -207 |                  | NFC         | Ant9 |          | 0mm      | -1.7                   | 69    | -207 |                  |
| LTE Band 14 | Ant0 | Back     | 0mm      | -16                    | -84.2 | -207 | 158.9            | LTE Band 14 | Ant0 | Back     | 0mm      | -16                    | -84.2 | -207 | 153.9            |
| WIFI 2.4G   | Ant6 |          | 0mm      | -63.3                  | 67.5  | -207 |                  | NFC         | Ant9 |          | 0mm      | -1.7                   | 69    | -207 |                  |
| GSM850      | Ant0 | Back     | 0mm      | -9                     | -79.4 | -207 | 156.6            | GSM850      | Ant0 | Back     | 0mm      | -9                     | -79.4 | -207 | 148.6            |
| WIFI 2.4G   | Ant6 |          | 0mm      | -63.3                  | 67.5  | -207 |                  | NFC         | Ant9 |          | 0mm      | -1.7                   | 69    | -207 |                  |
| WCDMA V     | Ant0 | Back     | 0mm      | -15                    | -82.6 | -207 | 157.7            | WCDMA V     | Ant0 | Back     | 0mm      | -15                    | -82.6 | -207 | 152.2            |
| WIFI 2.4G   | Ant6 |          | 0mm      | -63.3                  | 67.5  | -207 |                  | NFC         | Ant9 |          | 0mm      | -1.7                   | 69    | -207 |                  |
| LTE Band 26 | Ant0 | Back     | 0mm      | -5                     | -86.2 | -207 | 164.4            | LTE Band 26 | Ant0 | Back     | 0mm      | -5                     | -86.2 | -207 | 155.2            |
| WIFI 2.4G   | Ant6 |          | 0mm      | -63.3                  | 67.5  | -207 |                  | NFC         | Ant9 |          | 0mm      | -1.7                   | 69    | -207 |                  |
| FR1 n26     | Ant0 | Back     | 0mm      | -6                     | -82.7 | -207 | 160.8            | FR1 n26     | Ant0 | Back     | 0mm      | -6                     | -82.7 | -207 | 151.8            |
| WIFI 2.4G   | Ant6 |          | 0mm      | -63.3                  | 67.5  | -207 |                  | NFC         | Ant9 |          | 0mm      | -1.7                   | 69    | -207 |                  |
| WCDMA IV    | Ant0 | Back     | 0mm      | -16                    | -78.2 | -207 | 153.2            | WCDMA IV    | Ant0 | Back     | 0mm      | -16                    | -78.2 | -207 | 147.9            |
| WIFI 2.4G   | Ant6 |          | 0mm      | -63.3                  | 67.5  | -207 |                  | NFC         | Ant9 |          | 0mm      | -1.7                   | 69    | -207 |                  |
| LTE Band 66 | Ant0 | Back     | 0mm      | -11                    | -76.8 | -207 | 153.5            | LTE Band 66 | Ant0 | Back     | 0mm      | -11                    | -76.8 | -207 | 146.1            |
| WIFI 2.4G   | Ant6 |          | 0mm      | -63.3                  | 67.5  | -207 |                  | NFC         | Ant9 |          | 0mm      | -1.7                   | 69    | -207 |                  |
| FR1 n70     | Ant0 | Back     | 0mm      | -9                     | -84.7 | -207 | 161.6            | FR1 n70     | Ant0 | Back     | 0mm      | -9                     | -84.7 | -207 | 153.9            |
| WIFI 2.4G   | Ant6 |          | 0mm      | -63.3                  | 67.5  | -207 |                  | NFC         | Ant9 |          | 0mm      | -1.7                   | 69    | -207 |                  |
| FR1 n66     | Ant0 | Back     | 0mm      | -11                    | -75.4 | -207 | 152.2            | FR1 n66     | Ant0 | Back     | 0mm      | -11                    | -75.4 | -207 | 144.7            |
| WIFI 2.4G   | Ant6 |          | 0mm      | -63.3                  | 67.5  | -207 |                  | NFC         | Ant9 |          | 0mm      | -1.7                   | 69    | -207 |                  |
| GSM1900     | Ant0 | Back     | 0mm      | -10                    | -77.3 | -207 | 154.3            | GSM1900     | Ant0 | Back     | 0mm      | -10                    | -77.3 | -207 | 146.5            |
| WIFI 2.4G   | Ant6 |          | 0mm      | -63.3                  | 67.5  | -207 |                  | NFC         | Ant9 |          | 0mm      | -1.7                   | 69    | -207 |                  |
| WCDMA II    | Ant0 | Back     | 0mm      | -13                    | -76.8 | -207 | 152.8            | WCDMA II    | Ant0 | Back     | 0mm      | -13                    | -76.8 | -207 | 146.2            |
| WIFI 2.4G   | Ant6 |          | 0mm      | -63.3                  | 67.5  | -207 |                  | NFC         | Ant9 |          | 0mm      | -1.7                   | 69    | -207 |                  |
| LTE Band 25 | Ant0 | Back     | 0mm      | -8                     | -83.9 | -207 | 161.2            | LTE Band 25 | Ant0 | Back     | 0mm      | -8                     | -83.9 | -207 | 153.0            |



|             |      |      |     |       |       |      |       |             |      |      |     |       |       |      |       |
|-------------|------|------|-----|-------|-------|------|-------|-------------|------|------|-----|-------|-------|------|-------|
| WIFI 2.4G   | Ant6 |      | 0mm | -63.3 | 67.5  | -207 |       | NFC         | Ant9 |      | 0mm | -1.7  | 69    | -207 |       |
| FR1 n25     | Ant0 | Back | 0mm | -9    | -78   | -207 | 155.3 | FR1 n25     | Ant0 | Back | 0mm | -9    | -78   | -207 | 147.2 |
| WIFI 2.4G   | Ant6 |      | 0mm | -63.3 | 67.5  | -207 |       | NFC         | Ant9 |      | 0mm | -1.7  | 69    | -207 |       |
| LTE Band 30 | Ant1 | Back | 0mm | -8.6  | -78.1 | -207 | 152.9 | LTE Band 30 | Ant1 | Back | 0mm | -8.6  | -78.1 | -207 | 157.1 |
| BT          | Ant6 |      | 0mm | -61.8 | 65.2  | -207 |       | WIFI 5G     | Ant6 |      | 0mm | -61.7 | 69.8  | -207 |       |
| FR1 n30     | Ant1 | Back | 0mm | -10.6 | -76.7 | -207 | 150.9 | FR1 n30     | Ant1 | Back | 0mm | -10.6 | -76.7 | -207 | 155.2 |
| BT          | Ant6 |      | 0mm | -61.8 | 65.2  | -207 |       | WIFI 5G     | Ant6 |      | 0mm | -61.7 | 69.8  | -207 |       |
| LTE Band 7  | Ant1 | Back | 0mm | -8.6  | -82.6 | -207 | 157.1 | LTE Band 7  | Ant1 | Back | 0mm | -8.6  | -82.6 | -207 | 161.4 |
| BT          | Ant6 |      | 0mm | -61.8 | 65.2  | -207 |       | WIFI 5G     | Ant6 |      | 0mm | -61.7 | 69.8  | -207 |       |
| LTE Band 41 | Ant1 | Back | 0mm | -12.7 | -81.9 | -207 | 155.1 | LTE Band 41 | Ant1 | Back | 0mm | -12.7 | -81.9 | -207 | 159.4 |
| BT          | Ant6 |      | 0mm | -61.8 | 65.2  | -207 |       | WIFI 5G     | Ant6 |      | 0mm | -61.7 | 69.8  | -207 |       |
| FR1 n7      | Ant1 | Back | 0mm | -8.67 | -76.1 | -207 | 151.0 | FR1 n7      | Ant1 | Back | 0mm | -8.67 | -76.1 | -207 | 155.2 |
| BT          | Ant6 |      | 0mm | -61.8 | 65.2  | -207 |       | WIFI 5G     | Ant6 |      | 0mm | -61.7 | 69.8  | -207 |       |
| FR1 n41     | Ant1 | Back | 0mm | -12.1 | -79.8 | -207 | 153.3 | FR1 n41     | Ant1 | Back | 0mm | -12.1 | -79.8 | -207 | 157.6 |
| BT          | Ant6 |      | 0mm | -61.8 | 65.2  | -207 |       | WIFI 5G     | Ant6 |      | 0mm | -61.7 | 69.8  | -207 |       |
| FR1 n77     | Ant1 | Back | 0mm | -3.1  | -84.3 | -207 | 160.6 | FR1 n77     | Ant1 | Back | 0mm | -3.1  | -84.3 | -207 | 164.9 |
| BT          | Ant6 |      | 0mm | -61.8 | 65.2  | -207 |       | WIFI 5G     | Ant6 |      | 0mm | -61.7 | 69.8  | -207 |       |
| LTE Band 30 | Ant1 | Back | 0mm | -8.6  | -78.1 | -207 | 155.5 | LTE Band 30 | Ant1 | Back | 0mm | -8.6  | -78.1 | -207 | 147.3 |
| WIFI 2.4G   | Ant6 |      | 0mm | -63.3 | 67.5  | -207 |       | NFC         | Ant9 |      | 0mm | -1.7  | 69    | -207 |       |
| FR1 n30     | Ant1 | Back | 0mm | -10.6 | -76.7 | -207 | 153.5 | FR1 n30     | Ant1 | Back | 0mm | -10.6 | -76.7 | -207 | 146.0 |
| WIFI 2.4G   | Ant6 |      | 0mm | -63.3 | 67.5  | -207 |       | NFC         | Ant9 |      | 0mm | -1.7  | 69    | -207 |       |
| LTE Band 7  | Ant1 | Back | 0mm | -8.6  | -82.6 | -207 | 159.8 | LTE Band 7  | Ant1 | Back | 0mm | -8.6  | -82.6 | -207 | 151.8 |
| WIFI 2.4G   | Ant6 |      | 0mm | -63.3 | 67.5  | -207 |       | NFC         | Ant9 |      | 0mm | -1.7  | 69    | -207 |       |
| LTE Band 41 | Ant1 | Back | 0mm | -12.7 | -81.9 | -207 | 157.7 | LTE Band 41 | Ant1 | Back | 0mm | -12.7 | -81.9 | -207 | 151.3 |
| WIFI 2.4G   | Ant6 |      | 0mm | -63.3 | 67.5  | -207 |       | NFC         | Ant9 |      | 0mm | -1.7  | 69    | -207 |       |
| FR1 n7      | Ant1 | Back | 0mm | -8.67 | -76.1 | -207 | 153.6 | FR1 n7      | Ant1 | Back | 0mm | -8.67 | -76.1 | -207 | 145.3 |
| WIFI 2.4G   | Ant6 |      | 0mm | -63.3 | 67.5  | -207 |       | NFC         | Ant9 |      | 0mm | -1.7  | 69    | -207 |       |
| FR1 n41     | Ant1 | Back | 0mm | -12.1 | -79.8 | -207 | 155.9 | FR1 n41     | Ant1 | Back | 0mm | -12.1 | -79.8 | -207 | 149.2 |
| WIFI 2.4G   | Ant6 |      | 0mm | -63.3 | 67.5  | -207 |       | NFC         | Ant9 |      | 0mm | -1.7  | 69    | -207 |       |
| FR1 n77     | Ant1 | Back | 0mm | -3.1  | -84.3 | -207 | 163.3 | FR1 n77     | Ant1 | Back | 0mm | -3.1  | -84.3 | -207 | 153.3 |
| WIFI 2.4G   | Ant6 |      | 0mm | -63.3 | 67.5  | -207 |       | NFC         | Ant9 |      | 0mm | -1.7  | 69    | -207 |       |
| LTE Band 13 | Ant0 | Back | 0mm | -12   | -85.3 | -207 | 159.6 | LTE Band 13 | Ant0 | Back | 0mm | -12   | -85.3 | -207 | 160.6 |
| LTE Band 13 | Ant4 |      | 0mm | -16.3 | 74.2  | -207 |       | LTE Band 66 | Ant4 |      | 0mm | -11.8 | 75.3  | -207 |       |
| LTE Band 14 | Ant0 | Back | 0mm | -16   | -84.2 | -207 | 158.4 | LTE Band 14 | Ant0 | Back | 0mm | -16   | -84.2 | -207 | 159.6 |
| LTE Band 13 | Ant4 |      | 0mm | -16.3 | 74.2  | -207 |       | LTE Band 66 | Ant4 |      | 0mm | -11.8 | 75.3  | -207 |       |
| LTE Band 2  | Ant0 | Back | 0mm | -8    | -83.9 | -207 | 158.3 | LTE Band 2  | Ant0 | Back | 0mm | -8    | -83.9 | -207 | 159.2 |
| LTE Band 13 | Ant4 |      | 0mm | -16.3 | 74.2  | -207 |       | LTE Band 66 | Ant4 |      | 0mm | -11.8 | 75.3  | -207 |       |
| LTE Band 4  | Ant0 | Back | 0mm | -11   | -76.8 | -207 | 151.1 | LTE Band 4  | Ant0 | Back | 0mm | -11   | -76.8 | -207 | 152.1 |
| LTE Band 13 | Ant4 |      | 0mm | -16.3 | 74.2  | -207 |       | LTE Band 66 | Ant4 |      | 0mm | -11.8 | 75.3  | -207 |       |
| LTE Band 5  | Ant0 | Back | 0mm | -5    | -86.2 | -207 | 160.8 | LTE Band 5  | Ant0 | Back | 0mm | -5    | -86.2 | -207 | 161.6 |
| LTE Band 13 | Ant4 |      | 0mm | -16.3 | 74.2  | -207 |       | LTE Band 66 | Ant4 |      | 0mm | -11.8 | 75.3  | -207 |       |
| LTE Band 2  | Ant0 | Back | 0mm | -8    | -83.9 | -207 | 157.3 | LTE Band 48 | Ant0 | Back | 0mm | -35.2 | 71    | -207 | 149.8 |
| LTE Band 48 | Ant5 |      | 0mm | -35.2 | 71    | -207 |       | LTE Band 66 | Ant5 |      | 0mm | -11   | -76.8 | -207 |       |
| LTE Band 13 | Ant4 | Back | 0mm | -16.3 | 74.2  | -207 | 149.7 | LTE Band 66 | Ant0 | Back | 0mm | -11.8 | 75.3  | -207 | 152.0 |
| FR1 n66     | Ant0 |      | 0mm | -11   | -75.4 | -207 |       | FR1 n30     | Ant1 |      | 0mm | -10.6 | -76.7 | -207 |       |
| LTE Band 66 | Ant4 | Back | 0mm | -11.8 | 75.3  | -207 | 150.7 | LTE Band 25 | Ant0 | Back | 0mm | -11.5 | 74.6  | -207 | 151.3 |
| FR1 n66     | Ant0 |      | 0mm | -11   | -75.4 | -207 |       | FR1 n30     | Ant1 |      | 0mm | -10.6 | -76.7 | -207 |       |
| LTE Band 2  | Ant4 | Back | 0mm | -11.5 | 74.6  | -207 | 150.0 | LTE Band 66 | Ant0 | Back | 0mm | -11.8 | 75.3  | -207 | 151.3 |
| FR1 n66     | Ant0 |      | 0mm | -11   | -75.4 | -207 |       | FR1 n7      | Ant1 |      | 0mm | -8.67 | -76   | -207 |       |
| LTE Band 13 | Ant4 | Back | 0mm | -16.3 | 74.2  | -207 | 152.5 | LTE Band 25 | Ant0 | Back | 0mm | -11.5 | 74.6  | -207 | 150.6 |
| FR1 n25     | Ant0 |      | 0mm | -9    | -78.1 | -207 |       | FR1 n7      | Ant1 |      | 0mm | -8.67 | -76   | -207 |       |
| LTE Band 66 | Ant4 | Back | 0mm | -11.8 | 75.3  | -207 | 153.4 | LTE Band 66 | Ant0 | Back | 0mm | -11.8 | 75.3  | -207 | 155.1 |
| FR1 n25     | Ant0 |      | 0mm | -9    | -78.1 | -207 |       | FR1 n41     | Ant1 |      | 0mm | -12.1 | -79.8 | -207 |       |
| LTE Band 2  | Ant4 | Back | 0mm | -11.5 | 74.6  | -207 | 152.7 | LTE Band 25 | Ant0 | Back | 0mm | -11.5 | 74.6  | -207 | 154.4 |
| FR1 n25     | Ant0 |      | 0mm | -9    | -78.1 | -207 |       | FR1 n41     | Ant1 |      | 0mm | -12.1 | -79.8 | -207 |       |
| LTE Band 13 | Ant4 | Back | 0mm | -16.3 | 74.2  | -207 | 157.2 | LTE Band 13 | Ant0 | Back | 0mm | -12   | -85.3 | -207 | 156.4 |



|             |      |      |     |       |       |      |       |             |      |      |     |       |       |      |       |
|-------------|------|------|-----|-------|-------|------|-------|-------------|------|------|-----|-------|-------|------|-------|
| FR1 n5      | Ant0 |      | 0mm | -6    | -82.7 | -207 |       | FR1 n77     | Ant5 |      | 0mm | -47.5 | 67    | -207 |       |
| LTE Band 66 | Ant4 | Back | 0mm | -11.8 | 75.3  | -207 | 158.1 | LTE Band 14 | Ant0 | Back | 0mm | -16   | -84.2 | -207 | 154.4 |
| FR1 n5      | Ant0 |      | 0mm | -6    | -82.7 | -207 |       | FR1 n77     | Ant5 |      | 0mm | -47.5 | 67    | -207 |       |
| LTE Band 2  | Ant4 | Back | 0mm | -11.5 | 74.6  | -207 | 157.4 | LTE Band 26 | Ant0 | Back | 0mm | -5    | -86.2 | -207 | 159.0 |
| FR1 n5      | Ant0 |      | 0mm | -6    | -82.7 | -207 |       | FR1 n77     | Ant5 |      | 0mm | -47.5 | 67    | -207 |       |
| LTE Band 30 | Ant1 | Back | 0mm | -8.6  | -78.1 | -207 | 150.9 | LTE Band 66 | Ant0 | Back | 0mm | -11   | -76.8 | -207 | 148.4 |
| FR1 n66     | Ant4 |      | 0mm | -10.6 | 72.8  | -207 |       | FR1 n77     | Ant5 |      | 0mm | -47.5 | 67    | -207 |       |
| LTE Band 7  | Ant1 | Back | 0mm | -8.6  | -82.6 | -207 | 155.4 | LTE Band 25 | Ant0 | Back | 0mm | -8    | -83.9 | -207 | 156.0 |
| FR1 n66     | Ant4 |      | 0mm | -10.6 | 72.8  | -207 |       | FR1 n77     | Ant5 |      | 0mm | -47.5 | 67    | -207 |       |
| LTE Band 30 | Ant1 | Back | 0mm | -8.6  | -78.1 | -207 | 146.2 | LTE Band 13 | Ant0 | Back | 0mm | -12   | -85.3 | -207 | 164.5 |
| FR1 n25     | Ant4 |      | 0mm | -10.1 | 68.1  | -207 |       | FR1 n48     | Ant5 |      | 0mm | -38.9 | 77    | -207 |       |
| LTE Band 7  | Ant1 | Back | 0mm | -8.6  | -82.6 | -207 | 150.7 | LTE Band 14 | Ant0 | Back | 0mm | -16   | -84.2 | -207 | 162.8 |
| FR1 n25     | Ant4 |      | 0mm | -10.1 | 68.1  | -207 |       | FR1 n48     | Ant5 |      | 0mm | -38.9 | 77    | -207 |       |
| LTE Band 13 | Ant0 | Back | 0mm | -12   | -85.3 | -207 | 158.1 | LTE Band 26 | Ant0 | Back | 0mm | -5    | -86.2 | -207 | 166.7 |
| FR1 n66     | Ant4 |      | 0mm | -10.6 | 72.8  | -207 |       | FR1 n48     | Ant5 |      | 0mm | -38.9 | 77    | -207 |       |
| LTE Band 14 | Ant0 | Back | 0mm | -16   | -84.2 | -207 | 157.1 | LTE Band 66 | Ant0 | Back | 0mm | -11   | -76.8 | -207 | 156.3 |
| FR1 n66     | Ant4 |      | 0mm | -10.6 | 72.8  | -207 |       | FR1 n48     | Ant5 |      | 0mm | -38.9 | 77    | -207 |       |
| LTE Band 26 | Ant0 | Back | 0mm | -5    | -86.2 | -207 | 159.1 | LTE Band 25 | Ant0 | Back | 0mm | -8    | -83.9 | -207 | 163.8 |
| FR1 n66     | Ant4 |      | 0mm | -10.6 | 72.8  | -207 |       | FR1 n48     | Ant5 |      | 0mm | -38.9 | 77    | -207 |       |
| LTE Band 66 | Ant0 | Back | 0mm | -11   | -76.8 | -207 | 149.6 | LTE Band 13 | Ant0 | Back | 0mm | -12   | -85.3 | -207 | 157.7 |
| FR1 n66     | Ant4 |      | 0mm | -10.6 | 72.8  | -207 |       | FR1 n41     | Ant4 |      | 0mm | -16.5 | 72.3  | -207 |       |
| LTE Band 2  | Ant0 | Back | 0mm | -8    | -83.9 | -207 | 156.7 | LTE Band 14 | Ant0 | Back | 0mm | -16   | -84.2 | -207 | 156.5 |
| FR1 n66     | Ant4 |      | 0mm | -10.6 | 72.8  | -207 |       | FR1 n41     | Ant4 |      | 0mm | -16.5 | 72.3  | -207 |       |
| LTE Band 13 | Ant0 | Back | 0mm | -12   | -85.3 | -207 | 153.4 | LTE Band 26 | Ant0 | Back | 0mm | -5    | -86.2 | -207 | 158.9 |
| FR1 n25     | Ant4 |      | 0mm | -10.1 | 68.1  | -207 |       | FR1 n41     | Ant4 |      | 0mm | -16.5 | 72.3  | -207 |       |
| LTE Band 14 | Ant0 | Back | 0mm | -16   | -84.2 | -207 | 152.4 | LTE Band 66 | Ant0 | Back | 0mm | -11   | -76.8 | -207 | 149.2 |
| FR1 n25     | Ant4 |      | 0mm | -10.1 | 68.1  | -207 |       | FR1 n41     | Ant4 |      | 0mm | -16.5 | 72.3  | -207 |       |
| LTE Band 26 | Ant0 | Back | 0mm | -5    | -86.2 | -207 | 154.4 | LTE Band 2  | Ant0 | Back | 0mm | -8    | -83.9 | -207 | 156.4 |
| FR1 n25     | Ant4 |      | 0mm | -10.1 | 68.1  | -207 |       | FR1 n41     | Ant4 |      | 0mm | -16.5 | 72.3  | -207 |       |
| LTE Band 66 | Ant0 | Back | 0mm | -11   | -76.8 | -207 | 144.9 | LTE Band 48 | Ant5 | Back | 0mm | -35.2 | 71    | -207 | 148.4 |
| FR1 n25     | Ant4 |      | 0mm | -10.1 | 68.1  | -207 |       | FR1 n66     | Ant0 |      | 0mm | -11   | -75.4 | -207 |       |
| LTE Band 2  | Ant0 | Back | 0mm | -8    | -83.9 | -207 | 152.0 | LTE Band 48 | Ant5 | Back | 0mm | -35.2 | 71    | -207 | 151.4 |
| FR1 n25     | Ant4 |      | 0mm | -10.1 | 68.1  | -207 |       | FR1 n2      | Ant0 |      | 0mm | -9    | -78.1 | -207 |       |
|             |      |      |     |       |       |      |       | LTE Band 48 | Ant5 | Back | 0mm | -35.2 | 71    | -207 | 156.4 |
|             |      |      |     |       |       |      |       | FR1 n5      | Ant0 |      | 0mm | -6    | -82.7 | -207 |       |

Note: According to the above tables the minimum distance is as follows:

| Simultaneous | Position | minimum 3D distance (mm) |
|--------------|----------|--------------------------|
| WWAN+WLAN/BT | Back 0mm | 144.7                    |

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-----