



# FCC SAR Test Report

Report No. : FA202807-01

|  |         |     |      |     |    |               |       |      |       |   |       |        |      |       |       |       |       |       |       |
|--|---------|-----|------|-----|----|---------------|-------|------|-------|---|-------|--------|------|-------|-------|-------|-------|-------|-------|
|  | FR1 n66 | 40M | QPSK | 1   | 1  | DFT-SCS-15KHz | Back  | 5mm  | Ant 0 | - | DSI 3 | 349000 | 1745 | 14.02 | 15.50 | 1.406 | 0.11  | 0.506 | 0.711 |
|  | FR1 n66 | 40M | QPSK | 108 | 54 | DFT-SCS-15KHz | Back  | 5mm  | Ant 0 | - | DSI 3 | 349000 | 1745 | 14.00 | 15.50 | 1.413 | 0.02  | 0.459 | 0.648 |
|  | FR1 n66 | 40M | QPSK | 1   | 1  | DFT-SCS-15KHz | Front | 16mm | Ant 0 | - | DSI 4 | 349000 | 1745 | 23.10 | 24.00 | 1.230 | -0.02 | 0.536 | 0.659 |
|  | FR1 n66 | 40M | QPSK | 1   | 1  | DFT-SCS-15KHz | Back  | 18mm | Ant 0 | - | DSI 4 | 349000 | 1745 | 23.10 | 24.00 | 1.230 | 0.03  | 0.538 | 0.662 |
|  | FR1 n66 | 40M | QPSK | 1   | 1  | DFT-SCS-15KHz | Front | 5mm  | Ant 1 | - | DSI 3 | 349000 | 1745 | 16.09 | 17.00 | 1.233 | -0.1  | 0.433 | 0.534 |
|  | FR1 n66 | 40M | QPSK | 108 | 54 | DFT-SCS-15KHz | Front | 5mm  | Ant 1 | - | DSI 3 | 349000 | 1745 | 16.03 | 17.00 | 1.250 | 0.07  | 0.498 | 0.623 |
|  | FR1 n66 | 40M | QPSK | 1   | 1  | DFT-SCS-15KHz | Back  | 5mm  | Ant 1 | - | DSI 3 | 349000 | 1745 | 16.09 | 17.00 | 1.233 | -0.09 | 0.421 | 0.519 |
|  | FR1 n66 | 40M | QPSK | 108 | 54 | DFT-SCS-15KHz | Back  | 5mm  | Ant 1 | - | DSI 3 | 349000 | 1745 | 16.03 | 17.00 | 1.250 | 0.12  | 0.402 | 0.503 |
|  | FR1 n66 | 40M | QPSK | 1   | 1  | DFT-SCS-15KHz | Front | 16mm | Ant 1 | - | DSI 4 | 349000 | 1745 | 22.94 | 24.00 | 1.276 | 0.03  | 0.332 | 0.424 |
|  | FR1 n66 | 40M | QPSK | 108 | 54 | DFT-SCS-15KHz | Front | 16mm | Ant 1 | - | DSI 4 | 349000 | 1745 | 22.86 | 24.00 | 1.300 | 0.03  | 0.348 | 0.452 |
|  | FR1 n66 | 40M | QPSK | 1   | 1  | DFT-SCS-15KHz | Back  | 18mm | Ant 1 | - | DSI 4 | 349000 | 1745 | 22.94 | 24.00 | 1.276 | 0.01  | 0.365 | 0.466 |

| 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) |
|----------|------------|----------|------------|---------|-----------|-------------------|---------------|----------|---------|---------|-------------|--------|-------------|---------------------|---------------------|------------------------|--------------|---------------------------|------------------|------------------------|------------------------|
| 1900MHz  |            |          |            |         |           |                   |               |          |         |         |             |        |             |                     |                     |                        |              |                           |                  |                        |                        |
|          | GSM1900    | -        | -          | -       | -         | GPRS (4 Tx slots) | Front         | 5mm      | Ant 0   | -       | DSI 3       | 661    | 1880        | 18.01               | 19.20               | 1.315                  | -            | -                         | 0.05             | 0.322                  | 0.424                  |
|          | GSM1900    | -        | -          | -       | -         | GPRS (4 Tx slots) | Back          | 5mm      | Ant 0   | -       | DSI 3       | 661    | 1880        | 18.01               | 19.20               | 1.315                  | -            | -                         | 0.08             | 0.314                  | 0.413                  |
|          | GSM1900    | -        | -          | -       | -         | GPRS (3 Tx slots) | Front         | 16mm     | Ant 0   | -       | DSI 4       | 661    | 1880        | 25.35               | 26.50               | 1.303                  | -            | -                         | -0.16            | 0.302                  | 0.394                  |
|          | GSM1900    | -        | -          | -       | -         | GPRS (3 Tx slots) | Back          | 18mm     | Ant 0   | -       | DSI 4       | 661    | 1880        | 25.35               | 26.50               | 1.303                  | -            | -                         | 0.03             | 0.288                  | 0.375                  |
|          | GSM1900    | -        | -          | -       | -         | GPRS (4 Tx slots) | Front         | 5mm      | Ant 1   | -       | DSI 3       | 661    | 1880        | 20.72               | 21.70               | 1.253                  | -            | -                         | -0.11            | 0.423                  | 0.530                  |
| 71       | GSM1900    | -        | -          | -       | -         | GPRS (4 Tx slots) | Back          | 5mm      | Ant 1   | -       | DSI 3       | 661    | 1880        | 20.72               | 21.70               | 1.253                  | -            | -                         | 0.05             | 0.445                  | 0.558                  |
|          | GSM1900    | -        | -          | -       | -         | GPRS (1 Tx slot)  | Front         | 16mm     | Ant 1   | -       | DSI 4       | 661    | 1880        | 29.23               | 30.50               | 1.340                  | -            | -                         | 0.01             | 0.141                  | 0.189                  |
|          | GSM1900    | -        | -          | -       | -         | GPRS (1 Tx slot)  | Back          | 18mm     | Ant 1   | -       | DSI 4       | 661    | 1880        | 29.23               | 30.50               | 1.340                  | -            | -                         | 0.03             | 0.143                  | 0.192                  |
|          | WCDMA II   | -        | -          | -       | -         | RMC 12.2Kbps      | Front         | 5mm      | Ant 0   | -       | DSI 3       | 9400   | 1880        | 14.13               | 14.80               | 1.167                  | -            | -                         | 0.04             | 0.532                  | 0.621                  |
|          | WCDMA II   | -        | -          | -       | -         | RMC 12.2Kbps      | Back          | 5mm      | Ant 0   | -       | DSI 3       | 9400   | 1880        | 14.13               | 14.80               | 1.167                  | -            | -                         | -0.14            | 0.646                  | 0.754                  |
|          | WCDMA II   | -        | -          | -       | -         | RMC 12.2Kbps      | Front         | 16mm     | Ant 0   | -       | DSI 4       | 9400   | 1880        | 23.06               | 24.00               | 1.242                  | -            | -                         | 0.04             | 0.485                  | 0.602                  |
|          | WCDMA II   | -        | -          | -       | -         | RMC 12.2Kbps      | Back          | 18mm     | Ant 0   | -       | DSI 4       | 9400   | 1880        | 23.06               | 24.00               | 1.242                  | -            | -                         | -0.14            | 0.536                  | 0.666                  |
|          | WCDMA II   | -        | -          | -       | -         | RMC 12.2Kbps      | Front         | 5mm      | Ant 1   | -       | DSI 3       | 9400   | 1880        | 15.79               | 16.70               | 1.233                  | -            | -                         | 0.11             | 0.631                  | 0.778                  |
| 72       | WCDMA II   | -        | -          | -       | -         | RMC 12.2Kbps      | Back          | 5mm      | Ant 1   | -       | DSI 3       | 9400   | 1880        | 15.79               | 16.70               | 1.233                  | -            | -                         | 0.06             | 0.756                  | 0.932                  |
|          | WCDMA II   | -        | -          | -       | -         | RMC 12.2Kbps      | Back          | 5mm      | Ant 1   | -       | DSI 3       | 9262   | 1852.4      | 15.67               | 16.70               | 1.268                  | -            | -                         | 0.18             | 0.717                  | 0.909                  |
|          | WCDMA II   | -        | -          | -       | -         | RMC 12.2Kbps      | Back          | 5mm      | Ant 1   | -       | DSI 3       | 9538   | 1907.6      | 15.62               | 16.70               | 1.282                  | -            | -                         | 0.02             | 0.615                  | 0.789                  |
|          | WCDMA II   | -        | -          | -       | -         | RMC 12.2Kbps      | Front         | 16mm     | Ant 1   | -       | DSI 4       | 9400   | 1880        | 21.71               | 23.00               | 1.346                  | -            | -                         | 0.03             | 0.331                  | 0.445                  |
|          | WCDMA II   | -        | -          | -       | -         | RMC 12.2Kbps      | Back          | 18mm     | Ant 1   | -       | DSI 4       | 9400   | 1880        | 21.71               | 23.00               | 1.346                  | -            | -                         | 0.08             | 0.315                  | 0.424                  |
|          | LTE Band 2 | 20M      | QPSK       | 1       | 0         | -                 | Front         | 5mm      | Ant 0   | -       | DSI 3       | 18900  | 1880        | 13.83               | 14.70               | 1.222                  | -            | -                         | 0.01             | 0.508                  | 0.621                  |
|          | LTE Band 2 | 20M      | QPSK       | 50      | 0         | -                 | Front         | 5mm      | Ant 0   | -       | DSI 3       | 18900  | 1880        | 13.75               | 14.70               | 1.245                  | -            | -                         | -0.11            | 0.368                  | 0.458                  |
|          | LTE Band 2 | 20M      | QPSK       | 1       | 0         | -                 | Back          | 5mm      | Ant 0   | -       | DSI 3       | 18900  | 1880        | 13.83               | 14.70               | 1.222                  | -            | -                         | 0.12             | 0.533                  | 0.651                  |
|          | LTE Band 2 | 20M      | QPSK       | 50      | 0         | -                 | Back          | 5mm      | Ant 0   | -       | DSI 3       | 18900  | 1880        | 13.75               | 14.70               | 1.245                  | -            | -                         | 0.09             | 0.412                  | 0.513                  |
|          | LTE Band 2 | 20M      | QPSK       | 1       | 0         | -                 | Front         | 16mm     | Ant 0   | -       | DSI 4       | 18900  | 1880        | 22.66               | 24.00               | 1.361                  | -            | -                         | 0.09             | 0.476                  | 0.648                  |
|          | LTE Band 2 | 20M      | QPSK       | 1       | 0         | -                 | Back          | 18mm     | Ant 0   | -       | DSI 4       | 18900  | 1880        | 22.66               | 24.00               | 1.361                  | -            | -                         | 0.03             | 0.421                  | 0.573                  |
|          | LTE Band 2 | 20M      | QPSK       | 1       | 0         | -                 | Front         | 5mm      | Ant 1   | -       | DSI 3       | 18900  | 1880        | 16.72               | 17.80               | 1.282                  | -            | -                         | 0.07             | 0.648                  | 0.831                  |
|          | LTE Band 2 | 20M      | QPSK       | 1       | 0         | -                 | Front         | 5mm      | Ant 1   | -       | DSI 3       | 18700  | 1860        | 16.64               | 17.80               | 1.306                  | -            | -                         | 0.06             | 0.692                  | 0.904                  |
|          | LTE Band 2 | 20M      | QPSK       | 1       | 0         | -                 | Front         | 5mm      | Ant 1   | -       | DSI 3       | 19100  | 1900        | 16.69               | 17.80               | 1.291                  | -            | -                         | -0.16            | 0.643                  | 0.830                  |
|          | LTE Band 2 | 20M      | QPSK       | 50      | 0         | -                 | Front         | 5mm      | Ant 1   | -       | DSI 3       | 18900  | 1880        | 16.67               | 17.80               | 1.297                  | -            | -                         | 0.05             | 0.545                  | 0.707                  |
|          | LTE Band 2 | 20M      | QPSK       | 100     | 0         | -                 | Front         | 5mm      | Ant 1   | -       | DSI 3       | 18900  | 1880        | 16.60               | 17.80               | 1.318                  | -            | -                         | 0.18             | 0.549                  | 0.724                  |
|          | LTE Band 2 | 20M      | QPSK       | 1       | 0         | -                 | Back          | 5mm      | Ant 1   | -       | DSI 3       | 18900  | 1880        | 16.72               | 17.80               | 1.282                  | -            | -                         | 0.03             | 0.710                  | 0.910                  |
| 73       | LTE Band 2 | 20M      | QPSK       | 1       | 0         | -                 | Back          | 5mm      | Ant 1   | -       | DSI 3       | 18700  | 1860        | 16.64               | 17.80               | 1.306                  | -            | -                         | 0.01             | 0.757                  | 0.989                  |
|          | LTE Band 2 | 20M      | QPSK       | 1       | 0         | -                 | Back          | 5mm      | Ant 1   | -       | DSI 3       | 19100  | 1900        | 16.69               | 17.80               | 1.291                  | -            | -                         | 0.01             | 0.718                  | 0.927                  |
|          | LTE Band 2 | 20M      | QPSK       | 50      | 0         | -                 | Back          | 5mm      | Ant 1   | -       | DSI 3       | 18900  | 1880        | 16.67               | 17.80               | 1.297                  | -            | -                         | -0.02            | 0.582                  | 0.755                  |
|          | LTE Band 2 | 20M      | QPSK       | 100     | 0         | -                 | Back          | 5mm      | Ant 1   | -       | DSI 3       | 18900  | 1880        | 16.60               | 17.80               | 1.318                  | -            | -                         | 0.08             | 0.582                  | 0.767                  |
|          | LTE Band 2 | 20M      | QPSK       | 1       | 0         | -                 | Front         | 16mm     | Ant 1   | -       | DSI 4       | 18700  | 1860        | 21.14               | 23.00               | 1.535                  | -            | -                         | 0.03             | 0.315                  | 0.483                  |
|          | LTE Band 2 | 20M      | QPSK       | 1       | 0         | -                 | Back          | 18mm     | Ant 1   | -       | DSI 4       | 18700  | 1860        | 21.14               | 23.00               | 1.535                  | -            | -                         | -0.15            | 0.356                  | 0.546                  |
|          | FR1 n2     | 20M      | QPSK       | 1       | 1         | DFT-SCS-15KHz     | Front         | 5mm      | Ant 0   | -       | DSI 3       | 376000 | 1880        | 14.46               | 15.70               | 1.330                  | -            | -                         | -0.13            | 0.434                  | 0.577                  |
|          | FR1 n2     | 20M      | QPSK       | 50      | 28        | DFT-SCS-15KHz     | Front         | 5mm      | Ant 0   | -       | DSI 3       | 376000 | 1880        | 14.44               | 15.70               | 1.337                  | -            | -                         | -0.12            | 0.459                  | 0.613                  |
|          | FR1 n2     | 20M      | QPSK       | 1       | 1         | DFT-SCS-15KHz     | Back          | 5mm      | Ant 0   | -       | DSI 3       | 376000 | 1880        | 14.46               | 15.70               | 1.330                  | -            | -                         | 0.1              | 0.445                  | 0.592                  |
|          | FR1 n2     | 20M      | QPSK       | 50      | 28        | DFT-SCS-15KHz     | Back          | 5mm      | Ant 0   | -       | DSI 3       | 376000 | 1880        | 14.44               | 15.70               | 1.337                  | -            | -                         | 0.06             | 0.454                  | 0.607                  |



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|---------|------------------|-----|------|-----|----|---------------|-------|------|-------|---------|-------|-----------------|-----------------|-------|-------|-------|------|-------|-------|-------|-------|
|         | FR1 n2           | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Front | 16mm | Ant 0 | -       | DSI 4 | 376000          | 1880            | 23.03 | 24.00 | 1.250 | -    | -     | 0.05  | 0.412 | 0.515 |
|         | FR1 n2           | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Back  | 18mm | Ant 0 | -       | DSI 4 | 376000          | 1880            | 22.97 | 24.00 | 1.268 | -    | -     | 0.13  | 0.361 | 0.458 |
|         | FR1 n2           | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Front | 5mm  | Ant 1 | -       | DSI 3 | 376000          | 1880            | 16.93 | 17.80 | 1.222 | -    | -     | 0.1   | 0.544 | 0.665 |
|         | FR1 n2           | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Front | 5mm  | Ant 1 | -       | DSI 3 | 376000          | 1880            | 16.86 | 17.80 | 1.242 | -    | -     | -0.05 | 0.491 | 0.610 |
| 74      | FR1 n2           | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Back  | 5mm  | Ant 1 | -       | DSI 3 | 376000          | 1880            | 16.93 | 17.80 | 1.222 | -    | -     | -0.1  | 0.630 | 0.770 |
|         | FR1 n2           | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Back  | 5mm  | Ant 1 | -       | DSI 3 | 376000          | 1880            | 16.86 | 17.80 | 1.242 | -    | -     | -0.08 | 0.600 | 0.745 |
|         | FR1 n2           | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Front | 16mm | Ant 1 | -       | DSI 4 | 376000          | 1880            | 22.94 | 24.00 | 1.276 | -    | -     | 0.06  | 0.323 | 0.412 |
|         | FR1 n2           | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Back  | 18mm | Ant 1 | -       | DSI 4 | 376000          | 1880            | 22.94 | 24.00 | 1.276 | -    | -     | 0.01  | 0.295 | 0.377 |
| 2600MHz |                  |     |      |     |    |               |       |      |       |         |       |                 |                 |       |       |       |      |       |       |       |       |
|         | LTE Band 7       | 20M | QPSK | 1   | 0  | -             | Front | 5mm  | Ant 0 | -       | DSI 3 | 21100           | 2535            | 17.69 | 18.80 | 1.291 | -    | -     | 0.06  | 0.419 | 0.541 |
|         | LTE Band 7       | 20M | QPSK | 50  | 0  | -             | Front | 5mm  | Ant 0 | -       | DSI 3 | 21100           | 2535            | 17.64 | 18.80 | 1.306 | -    | -     | 0.04  | 0.336 | 0.439 |
|         | LTE Band 7       | 20M | QPSK | 1   | 0  | -             | Back  | 5mm  | Ant 0 | -       | DSI 3 | 21100           | 2535            | 17.69 | 18.80 | 1.291 | -    | -     | 0.16  | 0.750 | 0.968 |
|         | LTE Band 7       | 20M | QPSK | 1   | 0  | -             | Back  | 5mm  | Ant 0 | -       | DSI 3 | 20850           | 2510            | 17.54 | 18.80 | 1.337 | -    | -     | -0.1  | 0.682 | 0.912 |
| 75      | LTE Band 7       | 20M | QPSK | 1   | 0  | -             | Back  | 5mm  | Ant 0 | -       | DSI 3 | 21350           | 2560            | 17.66 | 18.80 | 1.300 | -    | -     | 0.04  | 0.824 | 1.071 |
|         | LTE Band 7C      | 20M | QPSK | 1   | 0  | -             | Back  | 5mm  | Ant 0 | -       | DSI 3 | 21350+<br>21152 | 2560+<br>2540.2 | 17.49 | 18.80 | 1.352 | -    | -     | 0.01  | 0.789 | 1.067 |
|         | LTE Band 7       | 20M | QPSK | 50  | 0  | -             | Back  | 5mm  | Ant 0 | -       | DSI 3 | 21100           | 2535            | 17.64 | 18.80 | 1.306 | -    | -     | 0.19  | 0.602 | 0.786 |
|         | LTE Band 7       | 20M | QPSK | 100 | 0  | -             | Back  | 5mm  | Ant 0 | -       | DSI 3 | 21100           | 2535            | 17.61 | 18.80 | 1.315 | -    | -     | -0.18 | 0.606 | 0.797 |
|         | LTE Band 7       | 20M | QPSK | 1   | 0  | -             | Front | 16mm | Ant 0 | -       | DSI 4 | 21100           | 2535            | 22.77 | 24.00 | 1.327 | -    | -     | 0.03  | 0.253 | 0.336 |
|         | LTE Band 7       | 20M | QPSK | 1   | 0  | -             | Back  | 18mm | Ant 0 | -       | DSI 4 | 21350           | 2560            | 22.65 | 24.00 | 1.365 | -    | -     | -0.12 | 0.326 | 0.445 |
|         | LTE Band 7       | 20M | QPSK | 1   | 0  | -             | Front | 5mm  | Ant 1 | -       | DSI 3 | 21100           | 2535            | 14.88 | 15.90 | 1.265 | -    | -     | 0.07  | 0.334 | 0.422 |
|         | LTE Band 7       | 20M | QPSK | 50  | 0  | -             | Front | 5mm  | Ant 1 | -       | DSI 3 | 21100           | 2535            | 14.86 | 15.90 | 1.271 | -    | -     | 0.03  | 0.239 | 0.304 |
|         | LTE Band 7       | 20M | QPSK | 1   | 0  | -             | Back  | 5mm  | Ant 1 | -       | DSI 3 | 21100           | 2535            | 14.88 | 15.90 | 1.265 | -    | -     | 0.02  | 0.458 | 0.579 |
|         | LTE Band 7       | 20M | QPSK | 50  | 0  | -             | Back  | 5mm  | Ant 1 | -       | DSI 3 | 21100           | 2535            | 14.86 | 15.90 | 1.271 | -    | -     | 0.06  | 0.437 | 0.555 |
|         | LTE Band 7C      | 20M | QPSK | 1   | 99 | -             | Back  | 5mm  | Ant 1 | -       | DSI 3 | 21100+<br>21298 | 2535+<br>2554.8 | 14.72 | 15.90 | 1.312 | -    | -     | 0.19  | 0.422 | 0.554 |
|         | LTE Band 7       | 20M | QPSK | 1   | 0  | -             | Front | 16mm | Ant 1 | -       | DSI 4 | 21100           | 2535            | 21.29 | 22.00 | 1.178 | -    | -     | 0.02  | 0.223 | 0.263 |
|         | LTE Band 7       | 20M | QPSK | 1   | 0  | -             | Back  | 18mm | Ant 1 | -       | DSI 4 | 21100           | 2535            | 21.29 | 22.00 | 1.178 | -    | -     | 0.06  | 0.261 | 0.307 |
|         | LTE Band 7       | 20M | QPSK | 50  | 0  | -             | Back  | 18mm | Ant 1 | -       | DSI 4 | 21100           | 2535            | 20.50 | 21.00 | 1.122 | -    | -     | -0.12 | 0.277 | 0.311 |
|         | LTE Band 41      | 20M | QPSK | 1   | 0  | -             | Front | 5mm  | Ant 0 | -       | DSI 3 | 40620           | 2593            | 19.98 | 20.60 | 1.153 | 62.9 | 1.006 | 0.07  | 0.481 | 0.558 |
|         | LTE Band 41      | 20M | QPSK | 50  | 0  | -             | Front | 5mm  | Ant 0 | -       | DSI 3 | 40620           | 2593            | 19.96 | 20.60 | 1.159 | 62.9 | 1.006 | 0.08  | 0.409 | 0.477 |
|         | LTE Band 41      | 20M | QPSK | 1   | 0  | -             | Back  | 5mm  | Ant 0 | -       | DSI 3 | 40620           | 2593            | 19.98 | 20.60 | 1.153 | 62.9 | 1.006 | -0.07 | 0.875 | 1.015 |
|         | LTE Band 41      | 20M | QPSK | 1   | 0  | -             | Back  | 5mm  | Ant 0 | -       | DSI 3 | 39750           | 2506            | 19.91 | 20.60 | 1.172 | 62.9 | 1.006 | 0.06  | 0.621 | 0.732 |
|         | LTE Band 41      | 20M | QPSK | 1   | 0  | -             | Back  | 5mm  | Ant 0 | -       | DSI 3 | 40185           | 2549.5          | 19.93 | 20.60 | 1.167 | 62.9 | 1.006 | 0.02  | 0.742 | 0.871 |
|         | LTE Band 41      | 20M | QPSK | 1   | 0  | -             | Back  | 5mm  | Ant 0 | -       | DSI 3 | 41055           | 2636.5          | 19.86 | 20.60 | 1.186 | 62.9 | 1.006 | 0.01  | 0.788 | 0.940 |
|         | LTE Band 41      | 20M | QPSK | 1   | 0  | -             | Back  | 5mm  | Ant 0 | -       | DSI 3 | 41490           | 2680            | 19.89 | 20.60 | 1.178 | 62.9 | 1.006 | -0.06 | 1.030 | 1.220 |
|         | LTE Band 41C     | 20M | QPSK | 1   | 0  | -             | Back  | 5mm  | Ant 0 | -       | DSI 3 | 41490+<br>41492 | 2680+<br>2680.2 | 19.74 | 20.60 | 1.219 | 62.9 | 1.006 | 0.04  | 0.992 | 1.216 |
|         | LTE Band 41      | 20M | QPSK | 1   | 0  | -             | Back  | 5mm  | Ant 0 | Headset | DSI 3 | 41490           | 2680            | 19.89 | 20.60 | 1.178 | 62.9 | 1.006 | 0.04  | 0.991 | 1.174 |
|         | LTE Band 41      | 20M | QPSK | 50  | 0  | -             | Back  | 5mm  | Ant 0 | -       | DSI 3 | 40620           | 2593            | 19.96 | 20.60 | 1.159 | 62.9 | 1.006 | 0.17  | 0.792 | 0.923 |
|         | LTE Band 41      | 20M | QPSK | 50  | 0  | -             | Back  | 5mm  | Ant 0 | -       | DSI 3 | 39750           | 2506            | 19.61 | 20.60 | 1.256 | 62.9 | 1.006 | 0.01  | 0.571 | 0.721 |
|         | LTE Band 41      | 20M | QPSK | 50  | 0  | -             | Back  | 5mm  | Ant 0 | -       | DSI 3 | 40185           | 2549.5          | 19.66 | 20.60 | 1.242 | 62.9 | 1.006 | -0.04 | 0.681 | 0.851 |
|         | LTE Band 41      | 20M | QPSK | 50  | 0  | -             | Back  | 5mm  | Ant 0 | -       | DSI 3 | 41055           | 2636.5          | 19.78 | 20.60 | 1.208 | 62.9 | 1.006 | -0.07 | 0.709 | 0.861 |
|         | LTE Band 41      | 20M | QPSK | 50  | 0  | -             | Back  | 5mm  | Ant 0 | -       | DSI 3 | 41490           | 2680            | 19.83 | 20.60 | 1.194 | 62.9 | 1.006 | 0.06  | 0.911 | 1.094 |
|         | LTE Band 41      | 20M | QPSK | 100 | 0  | -             | Back  | 5mm  | Ant 0 | -       | DSI 3 | 40620           | 2593            | 19.89 | 20.60 | 1.178 | 62.9 | 1.006 | -0.1  | 0.786 | 0.931 |
| 76      | LTE Band 41_HPUE | 20M | QPSK | 1   | 0  | -             | Back  | 5mm  | Ant 0 | -       | DSI 3 | 41490           | 2680            | 21.45 | 22.20 | 1.189 | 42.9 | 1.009 | -0.06 | 1.050 | 1.259 |
|         | LTE Band 41_HPUE | 20M | QPSK | 1   | 0  | -             | Back  | 5mm  | Ant 0 | Headset | DSI 3 | 41490           | 2680            | 21.45 | 22.20 | 1.189 | 42.9 | 1.009 | 0.19  | 1.010 | 1.211 |
|         | LTE Band 41      | 20M | QPSK | 1   | 0  | -             | Front | 16mm | Ant 0 | -       | DSI 4 | 40620           | 2593            | 23.35 | 24.00 | 1.161 | 62.9 | 1.006 | 0.07  | 0.155 | 0.181 |
|         | LTE Band 41      | 20M | QPSK | 1   | 0  | -             | Back  | 18mm | Ant 0 | -       | DSI 4 | 41490           | 2680            | 23.23 | 24.00 | 1.194 | 62.9 | 1.006 | -0.06 | 0.168 | 0.202 |
|         | LTE Band 41_HPUE | 20M | QPSK | 1   | 0  | -             | Back  | 18mm | Ant 0 | -       | DSI 4 | 41490           | 2680            | 25.21 | 27.00 | 1.510 | 42.9 | 1.009 | -0.06 | 0.174 | 0.265 |
|         | LTE Band 41      | 20M | QPSK | 1   | 0  | -             | Front | 5mm  | Ant 1 | -       | DSI 3 | 40620           | 2593            | 18.42 | 19.30 | 1.225 | 62.9 | 1.006 | 0.06  | 0.422 | 0.520 |
|         | LTE Band 41      | 20M | QPSK | 50  | 0  | -             | Front | 5mm  | Ant 1 | -       | DSI 3 | 40620           | 2593            | 18.39 | 19.30 | 1.233 | 62.9 | 1.006 | 0.08  | 0.365 | 0.453 |
|         | LTE Band 41      | 20M | QPSK | 1   | 0  | -             | Back  | 5mm  | Ant 1 | -       | DSI 3 | 40620           | 2593            | 18.42 | 19.30 | 1.225 | 62.9 | 1.006 | -0.17 | 0.492 | 0.606 |
|         | LTE Band 41      | 20M | QPSK | 1   | 0  | -             | Back  | 5mm  | Ant 1 | -       | DSI 3 | 39750           | 2506            | 18.30 | 19.30 | 1.259 | 62.9 | 1.006 | -0.08 | 0.546 | 0.691 |
|         | LTE Band 41C     | 20M | QPSK | 1   | 99 | -             | Back  | 5mm  | Ant 1 | -       | DSI 3 | 39750+<br>39948 | 2506+<br>2525.8 | 18.10 | 19.30 | 1.318 | 62.9 | 1.006 | 0.03  | 0.520 | 0.690 |
|         | LTE Band 41      | 20M | QPSK | 1   | 0  | -             | Back  | 5mm  | Ant 1 | -       | DSI 3 | 40185           | 2549.5          | 18.37 | 19.30 | 1.239 | 62.9 | 1.006 | -0.02 | 0.522 | 0.651 |
|         | LTE Band 41      | 20M | QPSK | 1   | 0  | -             | Back  | 5mm  | Ant 1 | -       | DSI 3 | 41055           | 2636.5          | 18.27 | 19.30 | 1.268 | 62.9 | 1.006 | 0.06  | 0.468 | 0.597 |
|         | LTE Band 41      | 20M | QPSK | 1   | 0  | -             | Back  | 5mm  | Ant 1 | -       | DSI 3 | 41490           | 2680            | 18.32 | 19.30 | 1.253 | 62.9 | 1.006 | -0.05 | 0.492 | 0.620 |



# FCC SAR Test Report

Report No. : FA202807-01

|    |                  |      |      |     |    |               |       |      |       |         |       |        |         |       |       |       |      |       |       |       |       |
|----|------------------|------|------|-----|----|---------------|-------|------|-------|---------|-------|--------|---------|-------|-------|-------|------|-------|-------|-------|-------|
|    | LTE Band 41      | 20M  | QPSK | 50  | 0  | -             | Back  | 5mm  | Ant 1 | -       | DSI 3 | 40620  | 2593    | 18.39 | 19.30 | 1.233 | 62.9 | 1.006 | 0.19  | 0.452 | 0.561 |
|    | LTE Band 41      | 20M  | QPSK | 100 | 0  | -             | Back  | 5mm  | Ant 1 | -       | DSI 3 | 40620  | 2593    | 18.33 | 19.30 | 1.250 | 62.9 | 1.006 | 0.05  | 0.452 | 0.569 |
|    | LTE Band 41_HPUE | 20M  | QPSK | 1   | 0  | -             | Back  | 5mm  | Ant 1 | -       | DSI 3 | 39750  | 2506    | 19.85 | 20.90 | 1.274 | 42.9 | 1.009 | 0.03  | 0.505 | 0.649 |
|    | LTE Band 41      | 20M  | QPSK | 1   | 0  | -             | Front | 16mm | Ant 1 | -       | DSI 4 | 40620  | 2593    | 22.39 | 23.00 | 1.151 | 62.9 | 1.006 | 0.01  | 0.155 | 0.179 |
|    | LTE Band 41      | 20M  | QPSK | 1   | 0  | -             | Back  | 18mm | Ant 1 | -       | DSI 4 | 39750  | 2506    | 22.25 | 23.00 | 1.189 | 62.9 | 1.006 | 0.06  | 0.163 | 0.195 |
|    | FR1 n7           | 40M  | QPSK | 1   | 1  | DFT-SCS-15KHz | Front | 5mm  | Ant 0 | -       | DSI 3 | 507000 | 2535    | 18.39 | 19.60 | 1.321 | -    | -     | -0.11 | 0.520 | 0.687 |
|    | FR1 n7           | 40M  | QPSK | 108 | 54 | DFT-SCS-15KHz | Front | 5mm  | Ant 0 | -       | DSI 3 | 507000 | 2535    | 18.32 | 19.60 | 1.343 | -    | -     | -0.13 | 0.531 | 0.713 |
| 77 | FR1 n7           | 40M  | QPSK | 1   | 1  | DFT-SCS-15KHz | Back  | 5mm  | Ant 0 | -       | DSI 3 | 507000 | 2535    | 18.39 | 19.60 | 1.321 | -    | -     | -0.04 | 0.739 | 0.976 |
|    | FR1 n7           | 40M  | QPSK | 108 | 54 | DFT-SCS-15KHz | Back  | 5mm  | Ant 0 | -       | DSI 3 | 507000 | 2535    | 18.32 | 19.60 | 1.343 | -    | -     | 0.03  | 0.661 | 0.888 |
|    | FR1 n7           | 40M  | QPSK | 216 | 0  | DFT-SCS-15KHz | Back  | 5mm  | Ant 0 | -       | DSI 3 | 507000 | 2535    | 18.30 | 19.60 | 1.349 | -    | -     | 0.06  | 0.648 | 0.874 |
|    | FR1 n7           | 40M  | QPSK | 1   | 1  | DFT-SCS-15KHz | Front | 16mm | Ant 0 | -       | DSI 4 | 507000 | 2535    | 22.95 | 24.00 | 1.274 | -    | -     | 0.03  | 0.176 | 0.224 |
|    | FR1 n7           | 40M  | QPSK | 108 | 54 | DFT-SCS-15KHz | Front | 16mm | Ant 0 | -       | DSI 4 | 507000 | 2535    | 22.91 | 24.00 | 1.285 | -    | -     | 0.05  | 0.188 | 0.242 |
|    | FR1 n7           | 40M  | QPSK | 1   | 1  | DFT-SCS-15KHz | Back  | 18mm | Ant 0 | -       | DSI 4 | 507000 | 2535    | 22.95 | 24.00 | 1.274 | -    | -     | -0.04 | 0.262 | 0.334 |
|    | FR1 n7           | 40M  | QPSK | 1   | 1  | DFT-SCS-15KHz | Front | 5mm  | Ant 1 | -       | DSI 3 | 507000 | 2535    | 15.46 | 16.30 | 1.213 | -    | -     | 0.01  | 0.352 | 0.427 |
|    | FR1 n7           | 40M  | QPSK | 108 | 54 | DFT-SCS-15KHz | Front | 5mm  | Ant 1 | -       | DSI 3 | 507000 | 2535    | 15.36 | 16.30 | 1.242 | -    | -     | 0.11  | 0.366 | 0.454 |
|    | FR1 n7           | 40M  | QPSK | 1   | 1  | DFT-SCS-15KHz | Back  | 5mm  | Ant 1 | -       | DSI 3 | 507000 | 2535    | 15.46 | 16.30 | 1.213 | -    | -     | -0.05 | 0.514 | 0.624 |
|    | FR1 n7           | 40M  | QPSK | 108 | 54 | DFT-SCS-15KHz | Back  | 5mm  | Ant 1 | -       | DSI 3 | 507000 | 2535    | 15.36 | 16.30 | 1.242 | -    | -     | 0.08  | 0.498 | 0.618 |
|    | FR1 n7           | 40M  | QPSK | 1   | 1  | DFT-SCS-15KHz | Front | 16mm | Ant 1 | -       | DSI 4 | 507000 | 2535    | 22.87 | 24.00 | 1.297 | -    | -     | 0.03  | 0.254 | 0.329 |
|    | FR1 n7           | 40M  | QPSK | 108 | 54 | DFT-SCS-15KHz | Front | 16mm | Ant 1 | -       | DSI 4 | 507000 | 2535    | 22.77 | 24.00 | 1.327 | -    | -     | 0.09  | 0.268 | 0.356 |
|    | FR1 n7           | 40M  | QPSK | 1   | 1  | DFT-SCS-15KHz | Back  | 18mm | Ant 1 | -       | DSI 4 | 507000 | 2535    | 22.87 | 24.00 | 1.297 | -    | -     | -0.12 | 0.390 | 0.506 |
|    | FR1 n41          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 5mm  | Ant 0 | -       | DSI 3 | 518598 | 2592.99 | 19.19 | 19.90 | 1.178 | -    | -     | -0.09 | 0.467 | 0.550 |
|    | FR1 n41          | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Front | 5mm  | Ant 0 | -       | DSI 3 | 518598 | 2592.99 | 19.18 | 19.90 | 1.180 | -    | -     | -0.13 | 0.539 | 0.636 |
|    | FR1 n41          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back  | 5mm  | Ant 0 | -       | DSI 3 | 518598 | 2592.99 | 19.19 | 19.90 | 1.178 | -    | -     | 0.08  | 0.674 | 0.794 |
|    | FR1 n41          | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Back  | 5mm  | Ant 0 | -       | DSI 3 | 518598 | 2592.99 | 19.18 | 19.90 | 1.180 | -    | -     | -0.03 | 0.955 | 1.127 |
|    | FR1 n41          | 100M | QPSK | 270 | 0  | DFT-SCS-30KHz | Back  | 5mm  | Ant 0 | -       | DSI 3 | 518598 | 2592.99 | 18.98 | 19.90 | 1.236 | -    | -     | 0.04  | 0.907 | 1.121 |
| 78 | FR1 n41_HPUE     | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Back  | 5mm  | Ant 0 | -       | DSI 3 | 518598 | 2592.99 | 22.11 | 22.90 | 1.199 | 50   | 1.000 | -0.05 | 1.010 | 1.211 |
|    | FR1 n41_HPUE     | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Back  | 5mm  | Ant 0 | Headset | DSI 3 | 518598 | 2592.99 | 22.11 | 22.90 | 1.199 | 50   | 1.000 | 0.06  | 0.986 | 1.183 |
|    | FR1 n41          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 16mm | Ant 0 | -       | DSI 4 | 518598 | 2592.99 | 22.63 | 24.00 | 1.371 | -    | -     | 0.03  | 0.155 | 0.212 |
|    | FR1 n41          | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Front | 16mm | Ant 0 | -       | DSI 4 | 518598 | 2592.99 | 22.61 | 24.00 | 1.377 | -    | -     | 0.06  | 0.163 | 0.224 |
|    | FR1 n41          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back  | 18mm | Ant 0 | -       | DSI 4 | 518598 | 2592.99 | 22.63 | 24.00 | 1.371 | -    | -     | -0.12 | 0.249 | 0.341 |
|    | FR1 n41          | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Back  | 18mm | Ant 0 | -       | DSI 4 | 518598 | 2592.99 | 22.61 | 24.00 | 1.377 | -    | -     | -0.11 | 0.267 | 0.368 |
|    | FR1 n41_HPUE     | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back  | 18mm | Ant 0 | -       | DSI 4 | 518598 | 2592.99 | 25.57 | 26.00 | 1.104 | 50   | 1.000 | 0.18  | 0.255 | 0.282 |
|    | FR1 n41_HPUE     | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Back  | 18mm | Ant 0 | -       | DSI 4 | 518598 | 2592.99 | 25.54 | 26.00 | 1.112 | 50   | 1.000 | 0.06  | 0.278 | 0.309 |
|    | FR1 n41          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 5mm  | Ant 1 | -       | DSI 3 | 518598 | 2592.99 | 15.52 | 16.40 | 1.225 | -    | -     | 0.01  | 0.325 | 0.398 |
|    | FR1 n41          | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Front | 5mm  | Ant 1 | -       | DSI 3 | 518598 | 2592.99 | 15.46 | 16.40 | 1.242 | -    | -     | 0.04  | 0.301 | 0.374 |
|    | FR1 n41          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back  | 5mm  | Ant 1 | -       | DSI 3 | 518598 | 2592.99 | 15.52 | 16.40 | 1.225 | -    | -     | 0.02  | 0.475 | 0.582 |
|    | FR1 n41          | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Back  | 5mm  | Ant 1 | -       | DSI 3 | 518598 | 2592.99 | 15.46 | 16.40 | 1.242 | -    | -     | -0.16 | 0.424 | 0.526 |
|    | FR1 n41_HPUE     | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back  | 5mm  | Ant 1 | -       | DSI 3 | 518598 | 2592.99 | 18.55 | 19.40 | 1.216 | 50   | 1.000 | 0.14  | 0.472 | 0.574 |
|    | FR1 n41          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 16mm | Ant 1 | -       | DSI 4 | 518598 | 2592.99 | 22.91 | 24.00 | 1.285 | -    | -     | 0.03  | 0.246 | 0.316 |
|    | FR1 n41          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back  | 18mm | Ant 1 | -       | DSI 4 | 518598 | 2592.99 | 22.91 | 24.00 | 1.285 | -    | -     | 0.01  | 0.382 | 0.491 |
|    | FR1 n41          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 5mm  | Ant 2 | -       | DSI 3 | 518598 | 2592.99 | 15.81 | 17.20 | 1.377 | -    | -     | -0.14 | 0.291 | 0.401 |
|    | FR1 n41          | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Front | 5mm  | Ant 2 | -       | DSI 3 | 518598 | 2592.99 | 15.79 | 17.20 | 1.384 | -    | -     | 0.14  | 0.298 | 0.412 |
|    | FR1 n41          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back  | 5mm  | Ant 2 | -       | DSI 3 | 518598 | 2592.99 | 15.81 | 17.20 | 1.377 | -    | -     | 0.01  | 0.227 | 0.313 |
|    | FR1 n41          | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Back  | 5mm  | Ant 2 | -       | DSI 3 | 518598 | 2592.99 | 15.79 | 17.20 | 1.384 | -    | -     | 0.07  | 0.227 | 0.314 |
|    | FR1 n41_HPUE     | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Front | 5mm  | Ant 2 | -       | DSI 3 | 518598 | 2592.99 | 18.71 | 20.20 | 1.409 | 50   | 1.000 | 0.03  | 0.316 | 0.445 |
|    | FR1 n41          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 16mm | Ant 2 | -       | DSI 4 | 518598 | 2592.99 | 22.81 | 24.00 | 1.315 | -    | -     | 0.03  | 0.233 | 0.306 |
|    | FR1 n41          | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Front | 16mm | Ant 2 | -       | DSI 4 | 518598 | 2592.99 | 22.74 | 24.00 | 1.337 | -    | -     | 0.02  | 0.241 | 0.322 |
|    | FR1 n41_HPUE     | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 16mm | Ant 2 | -       | DSI 4 | 518598 | 2592.99 | 25.79 | 26.00 | 1.050 | 50   | 1.000 | 0.01  | 0.246 | 0.258 |
|    | FR1 n41_HPUE     | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Front | 16mm | Ant 2 | -       | DSI 4 | 518598 | 2592.99 | 25.63 | 26.00 | 1.089 | 50   | 1.000 | 0.15  | 0.255 | 0.278 |
|    | FR1 n41          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back  | 18mm | Ant 2 | -       | DSI 4 | 518598 | 2592.99 | 22.81 | 24.00 | 1.315 | -    | -     | 0.06  | 0.201 | 0.264 |
|    | FR1 n41          | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Back  | 18mm | Ant 2 | -       | DSI 4 | 518598 | 2592.99 | 22.74 | 24.00 | 1.337 | -    | -     | -0.13 | 0.211 | 0.282 |
|    | FR1 n41          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 5mm  | Ant 7 | -       | DSI 3 | 518598 | 2592.99 | 19.21 | 20.30 | 1.285 | -    | -     | -0.08 | 0.419 | 0.539 |
|    | FR1 n41          | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Front | 5mm  | Ant 7 | -       | DSI 3 | 518598 | 2592.99 | 19.19 | 20.30 | 1.291 | -    | -     | 0.09  | 0.459 | 0.593 |
|    | FR1 n41          | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back  | 5mm  | Ant 7 | -       | DSI 3 | 518598 | 2592.99 | 19.21 | 20.30 | 1.285 | -    | -     | -0.02 | 0.380 | 0.488 |
|    | FR1 n41          | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Back  | 5mm  | Ant 7 | -       | DSI 3 | 518598 | 2592.99 | 19.19 | 20.30 | 1.291 | -    | -     | -0.07 | 0.412 | 0.532 |
|    | FR1 n41_HPUE     | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Front | 5mm  | Ant 7 | -       | DSI 3 | 518598 | 2592.99 | 22.11 | 23.30 | 1.315 | 50   | 1.000 | -0.05 | 0.417 | 0.548 |



# FCC SAR Test Report

Report No. : FA202807-01

|         |              |      |      |     |    |               |       |      |       |   |       |             |             |       |       |       |      |       |       |       |       |
|---------|--------------|------|------|-----|----|---------------|-------|------|-------|---|-------|-------------|-------------|-------|-------|-------|------|-------|-------|-------|-------|
|         | FR1 n41      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 16mm | Ant 7 | - | DSI 4 | 518598      | 2592.99     | 19.21 | 20.30 | 1.285 | -    | -     | 0.02  | 0.093 | 0.120 |
|         | FR1 n41      | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Front | 16mm | Ant 7 | - | DSI 4 | 518598      | 2592.99     | 19.19 | 20.30 | 1.291 | -    | -     | 0.01  | 0.101 | 0.130 |
|         | FR1 n41      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back  | 18mm | Ant 7 | - | DSI 4 | 518598      | 2592.99     | 19.21 | 20.30 | 1.285 | -    | -     | 0.12  | 0.054 | 0.069 |
|         | FR1 n41      | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Back  | 18mm | Ant 7 | - | DSI 4 | 518598      | 2592.99     | 19.19 | 20.30 | 1.291 | -    | -     | 0.11  | 0.056 | 0.072 |
| 3500MHz |              |      |      |     |    |               |       |      |       |   |       |             |             |       |       |       |      |       |       |       |       |
| 79      | LTE Band 48  | 20M  | QPSK | 1   | 0  | -             | Front | 5mm  | Ant 2 | - | DSI 3 | 55830       | 3609        | 13.82 | 14.80 | 1.253 | 62.9 | 1.006 | 0.18  | 0.278 | 0.350 |
|         | LTE Band 48C | 20M  | QPSK | 1   | 99 | -             | Front | 5mm  | Ant 2 | - | DSI 3 | 55830+56028 | 3609+3628.8 | 13.78 | 14.80 | 1.265 | 62.9 | 1.006 | 0.02  | 0.244 | 0.310 |
|         | LTE Band 48  | 20M  | QPSK | 50  | 0  | -             | Front | 5mm  | Ant 2 | - | DSI 3 | 55830       | 3609        | 13.75 | 14.80 | 1.274 | 62.9 | 1.006 | 0.07  | 0.255 | 0.327 |
|         | LTE Band 48  | 20M  | QPSK | 1   | 0  | -             | Back  | 5mm  | Ant 2 | - | DSI 3 | 55830       | 3609        | 13.82 | 14.80 | 1.253 | 62.9 | 1.006 | 0.1   | 0.201 | 0.253 |
|         | LTE Band 48  | 20M  | QPSK | 50  | 0  | -             | Back  | 5mm  | Ant 2 | - | DSI 3 | 55830       | 3609        | 13.75 | 14.80 | 1.274 | 62.9 | 1.006 | 0.03  | 0.184 | 0.236 |
|         | LTE Band 48  | 20M  | QPSK | 1   | 0  | -             | Front | 16mm | Ant 2 | - | DSI 4 | 55830       | 3609        | 23.42 | 24.00 | 1.143 | 62.9 | 1.006 | 0.03  | 0.223 | 0.256 |
|         | LTE Band 48  | 20M  | QPSK | 1   | 0  | -             | Back  | 18mm | Ant 2 | - | DSI 4 | 55830       | 3609        | 23.42 | 24.00 | 1.143 | 62.9 | 1.006 | 0.01  | 0.156 | 0.179 |
|         | FR1 n48      | 40M  | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 5mm  | Ant 2 | - | DSI 3 | 641666      | 3624.99     | 11.87 | 12.90 | 1.268 | -    | -     | -0.09 | 0.324 | 0.411 |
| 80      | FR1 n48      | 40M  | QPSK | 50  | 28 | DFT-SCS-30KHz | Front | 5mm  | Ant 2 | - | DSI 3 | 641666      | 3624.99     | 11.83 | 12.90 | 1.279 | -    | -     | -0.01 | 0.329 | 0.421 |
|         | FR1 n48      | 40M  | QPSK | 1   | 1  | DFT-SCS-30KHz | Back  | 5mm  | Ant 2 | - | DSI 3 | 641666      | 3624.99     | 11.87 | 12.90 | 1.268 | -    | -     | 0.11  | 0.198 | 0.251 |
|         | FR1 n48      | 40M  | QPSK | 50  | 28 | DFT-SCS-30KHz | Back  | 5mm  | Ant 2 | - | DSI 3 | 641666      | 3624.99     | 11.83 | 12.90 | 1.279 | -    | -     | 0.06  | 0.199 | 0.255 |
|         | FR1 n48      | 40M  | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 16mm | Ant 2 | - | DSI 4 | 641666      | 3624.99     | 23.17 | 24.00 | 1.211 | -    | -     | 0.06  | 0.311 | 0.376 |
|         | FR1 n48      | 40M  | QPSK | 50  | 28 | DFT-SCS-30KHz | Front | 16mm | Ant 2 | - | DSI 4 | 641666      | 3624.99     | 23.15 | 24.00 | 1.216 | -    | -     | 0.01  | 0.321 | 0.390 |
|         | FR1 n48      | 40M  | QPSK | 1   | 1  | DFT-SCS-30KHz | Back  | 18mm | Ant 2 | - | DSI 4 | 641666      | 3624.99     | 23.17 | 24.00 | 1.211 | -    | -     | -0.12 | 0.156 | 0.189 |
|         | FR1 n48      | 40M  | QPSK | 50  | 28 | DFT-SCS-30KHz | Back  | 18mm | Ant 2 | - | DSI 4 | 641666      | 3624.99     | 23.15 | 24.00 | 1.216 | -    | -     | -0.14 | 0.154 | 0.187 |
|         | FR1 n77      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 5mm  | Ant 2 | - | DSI 3 | 656000      | 3840        | 11.67 | 12.90 | 1.327 | -    | -     | -0.02 | 0.260 | 0.345 |
|         | FR1 n77      | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Front | 5mm  | Ant 2 | - | DSI 3 | 656000      | 3840        | 11.63 | 12.90 | 1.340 | -    | -     | -0.04 | 0.247 | 0.331 |
|         | FR1 n77      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back  | 5mm  | Ant 2 | - | DSI 3 | 656000      | 3840        | 11.67 | 12.90 | 1.327 | -    | -     | -0.01 | 0.181 | 0.240 |
|         | FR1 n77      | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Back  | 5mm  | Ant 2 | - | DSI 3 | 656000      | 3840        | 11.63 | 12.90 | 1.340 | -    | -     | 0.12  | 0.152 | 0.204 |
|         | FR1 n77_HPUE | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 5mm  | Ant 2 | - | DSI 3 | 656000      | 3840        | 14.61 | 15.90 | 1.346 | 50   | 1.000 | 0.01  | 0.261 | 0.351 |
|         | FR1 n77      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 16mm | Ant 2 | - | DSI 4 | 656000      | 3840        | 22.57 | 24.00 | 1.390 | -    | -     | 0.05  | 0.226 | 0.314 |
|         | FR1 n77_HPUE | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 16mm | Ant 2 | - | DSI 4 | 656000      | 3840        | 25.54 | 27.00 | 1.400 | 50   | 1.000 | 0.09  | 0.231 | 0.323 |
|         | FR1 n77      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back  | 18mm | Ant 2 | - | DSI 4 | 656000      | 3840        | 22.57 | 24.00 | 1.390 | -    | -     | -0.12 | 0.142 | 0.197 |
|         | FR1 n77      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 5mm  | Ant 2 | - | DSI 3 | 633334      | 3500.01     | 11.82 | 12.90 | 1.282 | -    | -     | -0.19 | 0.132 | 0.169 |
|         | FR1 n77      | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Front | 5mm  | Ant 2 | - | DSI 3 | 633334      | 3500.01     | 11.71 | 12.90 | 1.315 | -    | -     | 0.17  | 0.172 | 0.226 |
|         | FR1 n77      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back  | 5mm  | Ant 2 | - | DSI 3 | 633334      | 3500.01     | 11.82 | 12.90 | 1.282 | -    | -     | -0.03 | 0.125 | 0.160 |
|         | FR1 n77      | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Back  | 5mm  | Ant 2 | - | DSI 3 | 633334      | 3500.01     | 11.71 | 12.90 | 1.315 | -    | -     | -0.03 | 0.144 | 0.189 |
|         | FR1 n77_HPUE | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Front | 5mm  | Ant 2 | - | DSI 3 | 633334      | 3500.01     | 14.75 | 15.90 | 1.303 | 50   | 1.000 | 0.01  | 0.188 | 0.245 |
|         | FR1 n77      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 16mm | Ant 2 | - | DSI 4 | 633334      | 3500.01     | 22.94 | 24.00 | 1.276 | -    | -     | 0.03  | 0.086 | 0.110 |
|         | FR1 n77      | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Front | 16mm | Ant 2 | - | DSI 4 | 633334      | 3500.01     | 22.90 | 24.00 | 1.288 | -    | -     | 0.06  | 0.112 | 0.144 |
|         | FR1 n77_HPUE | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 16mm | Ant 2 | - | DSI 4 | 633334      | 3500.01     | 25.84 | 27.00 | 1.306 | 50   | 1.000 | -0.15 | 0.122 | 0.159 |
|         | FR1 n77_HPUE | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Front | 16mm | Ant 2 | - | DSI 4 | 633334      | 3500.01     | 25.74 | 27.00 | 1.337 | 50   | 1.000 | 0.11  | 0.116 | 0.155 |
|         | FR1 n77      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back  | 18mm | Ant 2 | - | DSI 4 | 633334      | 3500.01     | 22.94 | 24.00 | 1.276 | -    | -     | 0.07  | 0.136 | 0.174 |
|         | FR1 n77      | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Back  | 18mm | Ant 2 | - | DSI 4 | 633334      | 3500.01     | 22.90 | 24.00 | 1.288 | -    | -     | 0.18  | 0.145 | 0.187 |
|         | FR1 n77      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 5mm  | Ant 4 | - | DSI 3 | 656000      | 3840        | 15.71 | 16.60 | 1.227 | -    | -     | -0.13 | 0.359 | 0.441 |
|         | FR1 n77      | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Front | 5mm  | Ant 4 | - | DSI 3 | 656000      | 3840        | 15.67 | 16.60 | 1.239 | -    | -     | -0.05 | 0.369 | 0.457 |
|         | FR1 n77      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back  | 5mm  | Ant 4 | - | DSI 3 | 656000      | 3840        | 15.71 | 16.60 | 1.227 | -    | -     | 0.05  | 0.338 | 0.415 |
|         | FR1 n77      | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Back  | 5mm  | Ant 4 | - | DSI 3 | 656000      | 3840        | 15.67 | 16.60 | 1.239 | -    | -     | -0.08 | 0.322 | 0.399 |
|         | FR1 n77_HPUE | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Front | 5mm  | Ant 4 | - | DSI 3 | 656000      | 3840        | 18.56 | 19.60 | 1.271 | 50   | 1.000 | 0.09  | 0.355 | 0.451 |
|         | FR1 n77      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 16mm | Ant 4 | - | DSI 4 | 656000      | 3840        | 19.67 | 20.70 | 1.268 | -    | -     | -0.13 | 0.103 | 0.131 |
|         | FR1 n77      | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Front | 16mm | Ant 4 | - | DSI 4 | 656000      | 3840        | 19.67 | 20.70 | 1.268 | -    | -     | -0.05 | 0.112 | 0.142 |
|         | FR1 n77      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back  | 18mm | Ant 4 | - | DSI 4 | 656000      | 3840        | 19.67 | 20.70 | 1.268 | -    | -     | 0.05  | 0.126 | 0.160 |
|         | FR1 n77      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 5mm  | Ant 4 | - | DSI 3 | 633334      | 3500.01     | 15.54 | 16.60 | 1.276 | -    | -     | -0.14 | 0.188 | 0.240 |
|         | FR1 n77      | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Front | 5mm  | Ant 4 | - | DSI 3 | 633334      | 3500.01     | 15.46 | 16.60 | 1.300 | -    | -     | -0.04 | 0.262 | 0.341 |
|         | FR1 n77      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back  | 5mm  | Ant 4 | - | DSI 3 | 633334      | 3500.01     | 15.54 | 16.60 | 1.276 | -    | -     | 0.14  | 0.177 | 0.226 |
|         | FR1 n77      | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Back  | 5mm  | Ant 4 | - | DSI 3 | 633334      | 3500.01     | 15.46 | 16.60 | 1.300 | -    | -     | 0.05  | 0.217 | 0.282 |
|         | FR1 n77_HPUE | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Front | 5mm  | Ant 4 | - | DSI 3 | 633334      | 3500.01     | 18.44 | 19.60 | 1.306 | 50   | 1.000 | -0.04 | 0.255 | 0.333 |
|         | FR1 n77      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 16mm | Ant 4 | - | DSI 4 | 633334      | 3500.01     | 19.58 | 20.70 | 1.294 | -    | -     | -0.14 | 0.188 | 0.243 |
|         | FR1 n77      | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Front | 16mm | Ant 4 | - | DSI 4 | 633334      | 3500.01     | 19.48 | 20.70 | 1.324 | -    | -     | -0.04 | 0.262 | 0.347 |
|         | FR1 n77      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back  | 18mm | Ant 4 | - | DSI 4 | 633334      | 3500.01     | 19.58 | 20.70 | 1.294 | -    | -     | 0.14  | 0.177 | 0.229 |
|         | FR1 n77      | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Back  | 18mm | Ant 4 | - | DSI 4 | 633334      | 3500.01     | 19.48 | 20.70 | 1.324 | -    | -     | 0.05  | 0.217 | 0.287 |



# FCC SAR Test Report

Report No. : FA202807-01

|    |              |      |      |     |    |               |       |      |       |   |       |        |         |       |       |       |    |       |       |       |       |
|----|--------------|------|------|-----|----|---------------|-------|------|-------|---|-------|--------|---------|-------|-------|-------|----|-------|-------|-------|-------|
|    | FR1 n77      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 5mm  | Ant 5 | - | DSI 3 | 656000 | 3840    | 16.20 | 17.20 | 1.259 | -  | -     | 0.14  | 0.312 | 0.393 |
|    | FR1 n77      | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Front | 5mm  | Ant 5 | - | DSI 3 | 656000 | 3840    | 16.17 | 17.20 | 1.268 | -  | -     | 0.09  | 0.341 | 0.432 |
|    | FR1 n77      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back  | 5mm  | Ant 5 | - | DSI 3 | 656000 | 3840    | 16.20 | 17.20 | 1.259 | -  | -     | 0.16  | 0.275 | 0.346 |
|    | FR1 n77      | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Back  | 5mm  | Ant 5 | - | DSI 3 | 656000 | 3840    | 16.17 | 17.20 | 1.268 | -  | -     | -0.07 | 0.252 | 0.319 |
|    | FR1 n77_HPUE | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Front | 5mm  | Ant 5 | - | DSI 3 | 656000 | 3840    | 19.09 | 20.20 | 1.291 | 50 | 1.000 | 0.09  | 0.315 | 0.407 |
|    | FR1 n77      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 16mm | Ant 5 | - | DSI 4 | 656000 | 3840    | 22.56 | 24.00 | 1.393 | -  | -     | 0.03  | 0.289 | 0.403 |
|    | FR1 n77      | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Front | 16mm | Ant 5 | - | DSI 4 | 656000 | 3840    | 22.51 | 24.00 | 1.409 | -  | -     | 0.01  | 0.271 | 0.382 |
|    | FR1 n77      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back  | 18mm | Ant 5 | - | DSI 4 | 656000 | 3840    | 22.56 | 24.00 | 1.393 | -  | -     | 0.06  | 0.215 | 0.300 |
|    | FR1 n77      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 5mm  | Ant 5 | - | DSI 3 | 633334 | 3500.01 | 16.25 | 17.20 | 1.245 | -  | -     | -0.05 | 0.354 | 0.441 |
|    | FR1 n77      | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Front | 5mm  | Ant 5 | - | DSI 3 | 633334 | 3500.01 | 16.17 | 17.20 | 1.268 | -  | -     | 0.06  | 0.373 | 0.473 |
|    | FR1 n77      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back  | 5mm  | Ant 5 | - | DSI 3 | 633334 | 3500.01 | 16.25 | 17.20 | 1.245 | -  | -     | 0.14  | 0.308 | 0.383 |
|    | FR1 n77      | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Back  | 5mm  | Ant 5 | - | DSI 3 | 633334 | 3500.01 | 16.17 | 17.20 | 1.268 | -  | -     | -0.03 | 0.278 | 0.352 |
|    | FR1 n77_HPUE | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Front | 5mm  | Ant 5 | - | DSI 3 | 633334 | 3500.01 | 19.23 | 20.20 | 1.250 | 50 | 1.000 | 0.06  | 0.359 | 0.449 |
|    | FR1 n77      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 16mm | Ant 5 | - | DSI 4 | 633334 | 3500.01 | 22.64 | 24.00 | 1.368 | -  | -     | 0.06  | 0.255 | 0.349 |
|    | FR1 n77      | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Front | 16mm | Ant 5 | - | DSI 4 | 633334 | 3500.01 | 22.59 | 24.00 | 1.384 | -  | -     | 0.01  | 0.249 | 0.345 |
|    | FR1 n77      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back  | 18mm | Ant 5 | - | DSI 4 | 633334 | 3500.01 | 22.64 | 24.00 | 1.368 | -  | -     | -0.12 | 0.198 | 0.271 |
| 81 | FR1 n77      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 5mm  | Ant 7 | - | DSI 3 | 656000 | 3840    | 17.78 | 19.50 | 1.486 | -  | -     | -0.09 | 0.804 | 1.195 |
|    | FR1 n77      | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Front | 5mm  | Ant 7 | - | DSI 3 | 656000 | 3840    | 17.71 | 19.50 | 1.510 | -  | -     | 0.06  | 0.783 | 1.182 |
|    | FR1 n77      | 100M | QPSK | 270 | 0  | DFT-SCS-30KHz | Front | 5mm  | Ant 7 | - | DSI 3 | 656000 | 3840    | 17.66 | 19.50 | 1.528 | -  | -     | -0.17 | 0.735 | 1.123 |
|    | FR1 n77      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back  | 5mm  | Ant 7 | - | DSI 3 | 656000 | 3840    | 17.78 | 19.50 | 1.486 | -  | -     | 0.01  | 0.628 | 0.933 |
|    | FR1 n77      | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Back  | 5mm  | Ant 7 | - | DSI 3 | 656000 | 3840    | 17.71 | 19.50 | 1.510 | -  | -     | 0.06  | 0.446 | 0.673 |
|    | FR1 n77      | 100M | QPSK | 270 | 0  | DFT-SCS-30KHz | Back  | 5mm  | Ant 7 | - | DSI 3 | 656000 | 3840    | 17.66 | 19.50 | 1.528 | -  | -     | -0.19 | 0.499 | 0.762 |
|    | FR1 n77_HPUE | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 5mm  | Ant 7 | - | DSI 3 | 656000 | 3840    | 20.77 | 22.50 | 1.489 | 50 | 1.000 | 0.03  | 0.788 | 1.174 |
|    | FR1 n77      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 16mm | Ant 7 | - | DSI 4 | 656000 | 3840    | 18.52 | 20.30 | 1.507 | -  | -     | 0.06  | 0.223 | 0.336 |
|    | FR1 n77      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back  | 18mm | Ant 7 | - | DSI 4 | 656000 | 3840    | 18.52 | 20.30 | 1.507 | -  | -     | 0.1   | 0.201 | 0.303 |
|    | FR1 n77      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 5mm  | Ant 7 | - | DSI 3 | 633334 | 3500.01 | 18.21 | 19.50 | 1.346 | -  | -     | -0.02 | 0.568 | 0.764 |
|    | FR1 n77      | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Front | 5mm  | Ant 7 | - | DSI 3 | 633334 | 3500.01 | 18.12 | 19.50 | 1.374 | -  | -     | -0.1  | 0.479 | 0.658 |
|    | FR1 n77      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back  | 5mm  | Ant 7 | - | DSI 3 | 633334 | 3500.01 | 18.21 | 19.50 | 1.346 | -  | -     | 0.01  | 0.389 | 0.524 |
|    | FR1 n77      | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Back  | 5mm  | Ant 7 | - | DSI 3 | 633334 | 3500.01 | 18.12 | 19.50 | 1.374 | -  | -     | 0.14  | 0.332 | 0.456 |
|    | FR1 n77_HPUE | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 5mm  | Ant 7 | - | DSI 3 | 633334 | 3500.01 | 21.23 | 22.50 | 1.340 | 50 | 1.000 | 0.06  | 0.542 | 0.726 |
|    | FR1 n77      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front | 16mm | Ant 7 | - | DSI 4 | 633334 | 3500.01 | 18.87 | 20.30 | 1.390 | -  | -     | 0.06  | 0.154 | 0.214 |
|    | FR1 n77      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back  | 18mm | Ant 7 | - | DSI 4 | 633334 | 3500.01 | 18.87 | 20.30 | 1.390 | -  | -     | 0.03  | 0.133 | 0.185 |





| 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) |
|----------|------------|---------------------|---------------|----------|---------|---------|---------------------|-----|-------------|---------------------|---------------------|------------------------|--------------|---------------------------|------------------|------------------------|------------------------|
| WiFi&BT  |            |                     |               |          |         |         |                     |     |             |                     |                     |                        |              |                           |                  |                        |                        |
| 82       | WLAN2.4GHz | 802.11b 1Mbps       | Front         | 5mm      | Ant 3+6 | -       | Standalone          | 6   | 2437        | 22.34               | 23.50               | 1.306                  | 97.94        | 1.021                     | 0.06             | 0.892                  | 1.190                  |
|          | WLAN2.4GHz | 802.11b 1Mbps       | Front         | 5mm      | Ant 3+6 | -       | DBS only            | 6   | 2437        | 19.68               | 21                  | 1.355                  | 97.94        | 1.021                     | -0.07            | 0.575                  | 0.796                  |
|          | WLAN2.4GHz | 802.11b 1Mbps       | Front         | 5mm      | Ant 3+6 | -       | WWAN+non DBS        | 6   | 2437        | 16.65               | 18.00               | 1.365                  | 97.94        | 1.021                     | -0.04            | 0.287                  | 0.400                  |
|          | WLAN2.4GHz | 802.11b 1Mbps       | Back          | 5mm      | Ant 3+6 | -       | WWAN+non DBS        | 6   | 2437        | 16.65               | 18.00               | 1.365                  | 97.94        | 1.021                     | 0.17             | 0.228                  | 0.318                  |
|          | WLAN2.4GHz | 802.11b 1Mbps       | Front         | 5mm      | Ant 3+6 | -       | WWAN+DBS            | 6   | 2437        | 13.73               | 15.00               | 1.340                  | 97.94        | 1.021                     | -0.11            | 0.145                  | 0.198                  |
|          | WLAN2.4GHz | 802.11b 1Mbps       | Back          | 5mm      | Ant 3+6 | -       | WWAN+DBS            | 6   | 2437        | 13.73               | 15.00               | 1.340                  | 97.94        | 1.021                     | 0.16             | 0.115                  | 0.157                  |
|          | WLAN2.4GHz | 802.11b 1Mbps       | Front         | 5mm      | Ant 3+6 | -       | Standalone          | 1   | 2412        | 22.24               | 23.50               | 1.337                  | 97.94        | 1.021                     | -0.07            | 0.844                  | 1.152                  |
|          | WLAN2.4GHz | 802.11b 1Mbps       | Back          | 5mm      | Ant 3+6 | -       | Standalone          | 6   | 2437        | 22.34               | 23.50               | 1.306                  | 97.94        | 1.021                     | -0.18            | 0.812                  | 1.083                  |
|          | WLAN2.4GHz | 802.11b 1Mbps       | Back          | 5mm      | Ant 3+6 | -       | Standalone          | 1   | 2412        | 22.34               | 23.50               | 1.306                  | 97.94        | 1.021                     | 0.03             | 0.744                  | 0.992                  |
|          | WLAN2.4GHz | 802.11b 1Mbps       | Front         | 16mm     | Ant 3+6 | -       | Full Power          | 6   | 2437        | 22.34               | 23.50               | 1.306                  | 97.94        | 1.021                     | 0.15             | 0.049                  | 0.065                  |
|          | WLAN2.4GHz | 802.11b 1Mbps       | Back          | 18mm     | Ant 3+6 | -       | Full Power          | 6   | 2437        | 22.34               | 23.50               | 1.306                  | 97.94        | 1.021                     | 0.03             | 0.066                  | 0.088                  |
|          | Buletooth  | 1Mbps               | Front         | 5mm      | Ant 6   | -       | Full Power          | 0   | 2402        | 11.33               | 12.00               | 1.167                  | 76.56        | 1.088                     | -0.07            | 0.051                  | 0.065                  |
|          | Buletooth  | 1Mbps               | Back          | 5mm      | Ant 6   | -       | Full Power          | 0   | 2402        | 11.33               | 12.00               | 1.167                  | 76.56        | 1.088                     | 0.03             | 0.042                  | 0.053                  |
|          | Buletooth  | 1Mbps               | Front         | 5mm      | Ant 3   | -       | Full Power          | 78  | 2480        | 9.21                | 10.50               | 1.346                  | 76.97        | 1.082                     | 0.1              | 0.061                  | 0.089                  |
| 83       | Buletooth  | 1Mbps               | Back          | 5mm      | Ant 3   | -       | Full Power          | 78  | 2480        | 9.21                | 10.50               | 1.346                  | 76.97        | 1.082                     | -0.17            | 0.071                  | 0.103                  |
| 84       | WLAN5.3GHz | 802.11a 6Mbps       | Front         | 5mm      | Ant 4+5 | -       | Standalone&DBS only | 64  | 5320        | 19.93               | 21.00               | 1.279                  | 99.23        | 1.008                     | 0.01             | 0.456                  | 0.588                  |
|          | WLAN5.3GHz | 802.11ac-VHT80 MCS0 | Front         | 5mm      | Ant 4+5 | -       | WWAN+non DBS        | 58  | 5290        | 16.32               | 17.50               | 1.312                  | 99.30        | 1.007                     | 0.15             | 0.263                  | 0.348                  |
|          | WLAN5.3GHz | 802.11ac-VHT80 MCS0 | Back          | 5mm      | Ant 4+5 | -       | WWAN+non DBS        | 58  | 5290        | 16.32               | 17.50               | 1.312                  | 99.30        | 1.007                     | -0.15            | 0.108                  | 0.143                  |
|          | WLAN5.3GHz | 802.11ac-VHT80 MCS0 | Front         | 5mm      | Ant 4+5 | -       | WWAN+DBS            | 58  | 5290        | 12.88               | 14.50               | 1.452                  | 99.30        | 1.007                     | -0.08            | 0.132                  | 0.193                  |
|          | WLAN5.3GHz | 802.11ac-VHT80 MCS0 | Back          | 5mm      | Ant 4+5 | -       | WWAN+DBS            | 58  | 5290        | 12.88               | 14.50               | 1.452                  | 99.30        | 1.007                     | 0.05             | 0.054                  | 0.079                  |
|          | WLAN5.3GHz | 802.11a 6Mbps       | Back          | 5mm      | Ant 4+5 | -       | Standalone&DBS only | 64  | 5320        | 19.93               | 21.00               | 1.279                  | 99.23        | 1.008                     | -0.09            | 0.265                  | 0.342                  |
|          | WLAN5.3GHz | 802.11a 6Mbps       | Front         | 16mm     | Ant 4+5 | -       | Full Power          | 64  | 5320        | 19.93               | 21.00               | 1.279                  | 99.23        | 1.008                     | -0.11            | 0.075                  | 0.097                  |
|          | WLAN5.3GHz | 802.11a 6Mbps       | Back          | 18mm     | Ant 4+5 | -       | Full Power          | 64  | 5320        | 19.93               | 21.00               | 1.279                  | 99.23        | 1.008                     | -0.1             | 0.041                  | 0.053                  |
| 85       | WLAN5.5GHz | 802.11a 6Mbps       | Front         | 5mm      | Ant 4+5 | -       | Standalone          | 140 | 5700        | 18.96               | 20.50               | 1.426                  | 99.23        | 1.008                     | -0.07            | 0.821                  | 1.180                  |
|          | WLAN5.5GHz | 802.11a 6Mbps       | Front         | 5mm      | Ant 4+5 | -       | DBS only            | 140 | 5700        | 17.49               | 19.00               | 1.416                  | 99.23        | 1.008                     | -0.03            | 0.511                  | 0.729                  |
|          | WLAN5.5GHz | 802.11ac-VHT80 MCS0 | Front         | 5mm      | Ant 4+5 | -       | WWAN+non DBS        | 106 | 5530        | 14.88               | 16.00               | 1.294                  | 99.30        | 1.007                     | -0.16            | 0.274                  | 0.357                  |
|          | WLAN5.5GHz | 802.11ac-VHT80 MCS0 | Back          | 5mm      | Ant 4+5 | -       | WWAN+non DBS        | 106 | 5530        | 14.88               | 16.00               | 1.294                  | 99.30        | 1.007                     | 0.13             | 0.136                  | 0.177                  |
|          | WLAN5.5GHz | 802.11ac-VHT80 MCS0 | Front         | 5mm      | Ant 4+5 | -       | WWAN+DBS            | 106 | 5530        | 11.91               | 13.00               | 1.285                  | 99.30        | 1.007                     | -0.17            | 0.153                  | 0.198                  |
|          | WLAN5.5GHz | 802.11ac-VHT80 MCS0 | Back          | 5mm      | Ant 4+5 | -       | WWAN+DBS            | 106 | 5530        | 11.91               | 13.00               | 1.285                  | 99.30        | 1.007                     | 0.14             | 0.068                  | 0.088                  |
|          | WLAN5.5GHz | 802.11a 6Mbps       | Front         | 5mm      | Ant 4+5 | -       | Standalone          | 144 | 5720        | 18.91               | 20.50               | 1.442                  | 99.23        | 1.008                     | 0.07             | 0.720                  | 1.047                  |
|          | WLAN5.5GHz | 802.11a 6Mbps       | Back          | 5mm      | Ant 4+5 | -       | Standalone          | 140 | 5700        | 18.96               | 20.50               | 1.426                  | 99.23        | 1.008                     | -0.01            | 0.472                  | 0.678                  |
|          | WLAN5.5GHz | 802.11a 6Mbps       | Front         | 16mm     | Ant 4+5 | -       | Full Power          | 140 | 5700        | 19.70               | 21.00               | 1.349                  | 99.23        | 1.008                     | 0.03             | 0.137                  | 0.186                  |
|          | WLAN5.5GHz | 802.11a 6Mbps       | Back          | 18mm     | Ant 4+5 | -       | Full Power          | 140 | 5700        | 19.70               | 21.00               | 1.349                  | 99.23        | 1.008                     | 0.02             | 0.133                  | 0.181                  |
| 86       | WLAN5.8GHz | 802.11a 6Mbps       | Front         | 5mm      | Ant 4+5 | -       | Standalone          | 149 | 5745        | 18.95               | 20.50               | 1.429                  | 99.23        | 1.008                     | 0.18             | 0.826                  | 1.190                  |
|          | WLAN5.8GHz | 802.11a 6Mbps       | Front         | 5mm      | Ant 4+5 | Headset | Standalone          | 149 | 5745        | 18.95               | 20.50               | 1.429                  | 99.23        | 1.008                     | 0.03             | 0.796                  | 1.146                  |
|          | WLAN5.8GHz | 802.11a 6Mbps       | Front         | 5mm      | Ant 4+5 | -       | DBS only            | 149 | 5745        | 17.42               | 19.00               | 1.439                  | 99.23        | 1.008                     | -0.08            | 0.565                  | 0.820                  |
|          | WLAN5.8GHz | 802.11ac-VHT80 MCS0 | Front         | 5mm      | Ant 4+5 | -       | WWAN+non DBS        | 155 | 5775        | 14.18               | 15.50               | 1.355                  | 99.30        | 1.007                     | 0.13             | 0.282                  | 0.385                  |
|          | WLAN5.8GHz | 802.11ac-VHT80 MCS0 | Back          | 5mm      | Ant 4+5 | -       | WWAN+non DBS        | 155 | 5775        | 14.18               | 15.50               | 1.355                  | 99.30        | 1.007                     | 0.18             | 0.173                  | 0.236                  |
|          | WLAN5.8GHz | 802.11ac-VHT80 MCS0 | Front         | 5mm      | Ant 4+5 | -       | WWAN+DBS            | 155 | 5775        | 10.94               | 12.50               | 1.432                  | 99.30        | 1.007                     | -0.17            | 0.134                  | 0.193                  |
|          | WLAN5.8GHz | 802.11ac-VHT80 MCS0 | Back          | 5mm      | Ant 4+5 | -       | WWAN+DBS            | 155 | 5775        | 10.94               | 12.50               | 1.432                  | 99.30        | 1.007                     | -0.15            | 0.088                  | 0.127                  |
|          | WLAN5.8GHz | 802.11a 6Mbps       | Front         | 5mm      | Ant 4+5 | -       | Standalone          | 165 | 5825        | 18.80               | 20.50               | 1.479                  | 99.23        | 1.008                     | 0.17             | 0.688                  | 1.026                  |
|          | WLAN5.8GHz | 802.11a 6Mbps       | Back          | 5mm      | Ant 4+5 | -       | Standalone          | 149 | 5745        | 18.95               | 20.50               | 1.429                  | 99.23        | 1.008                     | -0.07            | 0.506                  | 0.729                  |
|          | WLAN5.8GHz | 802.11a 6Mbps       | Front         | 16mm     | Ant 4+5 | -       | Full Power          | 149 | 5745        | 19.56               | 21.00               | 1.393                  | 99.23        | 1.008                     | 0.05             | 0.147                  | 0.206                  |
|          | WLAN5.8GHz | 802.11a 6Mbps       | Back          | 18mm     | Ant 4+5 | -       | Full Power          | 149 | 5745        | 19.56               | 21.00               | 1.393                  | 99.23        | 1.008                     | 0.09             | 0.141                  | 0.198                  |



## 16.4 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 | Power Drift (dB) | Measured 10g SAR (W/kg) | Reported 10g SAR (W/kg) |
|----------|-------------|----------|------------|---------|-----------|-------------------|---------------|----------|---------|-------------|-----------------|-----------------|---------------------|---------------------|------------------------|------------------|-------------------------|-------------------------|
| 750MHz   |             |          |            |         |           |                   |               |          |         |             |                 |                 |                     |                     |                        |                  |                         |                         |
| 87       | LTE Band 12 | 10M      | QPSK       | 1       | 0         | -                 | Top Side      | 0mm      | Ant 1   | DSI 6       | 23095           | 707.5           | 21.96               | 22.80               | 1.213                  | 0.09             | 2.200                   | 2.669                   |
|          | LTE Band 12 | 10M      | QPSK       | 25      | 0         | -                 | Top Side      | 0mm      | Ant 1   | DSI 6       | 23095           | 707.5           | 21.60               | 22.80               | 1.318                  | 0.03             | 1.950                   | 2.571                   |
|          | LTE Band 12 | 10M      | QPSK       | 50      | 0         | -                 | Top Side      | 0mm      | Ant 1   | DSI 6       | 23095           | 707.5           | 21.37               | 22.80               | 1.390                  | 0.06             | 1.800                   | 2.502                   |
|          | LTE Band 12 | 10M      | QPSK       | 1       | 0         | -                 | Top Side      | 7mm      | Ant 1   | DSI 4       | 23095           | 707.5           | 22.40               | 24.00               | 1.445                  | 0.09             | 0.221                   | 0.319                   |
|          | LTE Band 13 | 10M      | QPSK       | 1       | 0         | -                 | Front         | 0mm      | Ant 0   | DSI 6       | 23230           | 782             | 22.97               | 24.00               | 1.268                  | -0.03            | 1.880                   | 2.383                   |
|          | LTE Band 13 | 10M      | QPSK       | 25      | 0         | -                 | Front         | 0mm      | Ant 0   | DSI 6       | 23230           | 782             | 21.87               | 23.00               | 1.297                  | 0.06             | 1.560                   | 2.024                   |
|          | LTE Band 13 | 10M      | QPSK       | 50      | 0         | -                 | Front         | 0mm      | Ant 0   | DSI 6       | 23230           | 782             | 21.82               | 23.00               | 1.312                  | 0.01             | 1.550                   | 2.034                   |
| 88       | LTE Band 13 | 10M      | QPSK       | 1       | 0         | -                 | Top Side      | 0mm      | Ant 1   | DSI 6       | 23230           | 782             | 22.56               | 23.50               | 1.242                  | 0.05             | 2.100                   | 2.607                   |
|          | LTE Band 13 | 10M      | QPSK       | 25      | 0         | -                 | Top Side      | 0mm      | Ant 1   | DSI 6       | 23230           | 782             | 21.71               | 23.00               | 1.346                  | 0.1              | 1.820                   | 2.449                   |
|          | LTE Band 13 | 10M      | QPSK       | 50      | 0         | -                 | Top Side      | 0mm      | Ant 1   | DSI 6       | 23230           | 782             | 21.67               | 23.00               | 1.358                  | -0.15            | 1.810                   | 2.459                   |
|          | LTE Band 13 | 10M      | QPSK       | 1       | 0         | -                 | Top Side      | 7mm      | Ant 1   | DSI 4       | 23230           | 782             | 22.56               | 24.00               | 1.393                  | 0.02             | 0.374                   | 0.521                   |
|          | LTE Band 14 | 10M      | QPSK       | 1       | 0         | -                 | Front         | 0mm      | Ant 0   | DSI 6       | 23330           | 793             | 23.07               | 24.00               | 1.239                  | -0.01            | 1.860                   | 2.304                   |
|          | LTE Band 14 | 10M      | QPSK       | 25      | 0         | -                 | Front         | 0mm      | Ant 0   | DSI 6       | 23330           | 793             | 22.02               | 23.00               | 1.253                  | 0.02             | 1.770                   | 2.218                   |
|          | LTE Band 14 | 10M      | QPSK       | 50      | 0         | -                 | Front         | 0mm      | Ant 0   | DSI 6       | 23330           | 793             | 21.96               | 23.00               | 1.271                  | 0.06             | 1.680                   | 2.135                   |
| 89       | LTE Band 14 | 10M      | QPSK       | 1       | 0         | -                 | Top Side      | 0mm      | Ant 1   | DSI 6       | 23330           | 793             | 22.64               | 23.50               | 1.219                  | 0.08             | 2.050                   | 2.499                   |
|          | LTE Band 14 | 10M      | QPSK       | 25      | 0         | -                 | Top Side      | 0mm      | Ant 1   | DSI 6       | 23330           | 793             | 21.85               | 23.00               | 1.303                  | 0.04             | 1.710                   | 2.228                   |
|          | LTE Band 14 | 10M      | QPSK       | 50      | 0         | -                 | Top Side      | 0mm      | Ant 1   | DSI 6       | 23330           | 793             | 21.70               | 23.00               | 1.349                  | -0.03            | 1.680                   | 2.266                   |
|          | LTE Band 14 | 10M      | QPSK       | 1       | 0         | -                 | Top Side      | 7mm      | Ant 1   | DSI 4       | 23330           | 793             | 22.64               | 24.00               | 1.368                  | 0.08             | 0.568                   | 0.777                   |
| 835MHz   |             |          |            |         |           |                   |               |          |         |             |                 |                 |                     |                     |                        |                  |                         |                         |
| 90       | GSM850      | -        | -          | -       | -         | GPRS (3 Tx slots) | Front         | 0mm      | Ant 0   | DSI 6       | 251             | 848.8           | 28.59               | 29.50               | 1.233                  | -0.04            | 0.970                   | 1.196                   |
| 91       | WCDMA V     | -        | -          | -       | -         | RMC 12.2Kbps      | Front         | 0mm      | Ant 0   | DSI 6       | 4182            | 836.4           | 23.23               | 24.00               | 1.194                  | -0.08            | 2.230                   | 2.663                   |
|          | WCDMA V     | -        | -          | -       | -         | RMC 12.2Kbps      | Front         | 0mm      | Ant 0   | DSI 6       | 4132            | 826.4           | 23.17               | 24.00               | 1.211                  | 0.03             | 2.010                   | 2.433                   |
|          | WCDMA V     | -        | -          | -       | -         | RMC 12.2Kbps      | Front         | 0mm      | Ant 0   | DSI 6       | 4233            | 846.6           | 23.15               | 24.00               | 1.216                  | 0.01             | 2.110                   | 2.566                   |
|          | WCDMA V     | -        | -          | -       | -         | RMC 12.2Kbps      | Back          | 0mm      | Ant 1   | DSI 6       | 4182            | 836.4           | 22.76               | 24.00               | 1.330                  | 0.09             | 1.100                   | 1.463                   |
|          | WCDMA V     | -        | -          | -       | -         | RMC 12.2Kbps      | Back          | 0mm      | Ant 1   | DSI 6       | 4132            | 826.4           | 22.73               | 24.00               | 1.340                  | -0.01            | 1.150                   | 1.541                   |
|          | WCDMA V     | -        | -          | -       | -         | RMC 12.2Kbps      | Back          | 0mm      | Ant 1   | DSI 6       | 4233            | 846.6           | 22.69               | 24.00               | 1.352                  | 0.01             | 1.030                   | 1.393                   |
|          | LTE Band 26 | 15M      | QPSK       | 1       | 0         | -                 | Front         | 0mm      | Ant 0   | DSI 6       | 26865           | 831.5           | 22.87               | 24.00               | 1.297                  | -0.11            | 1.660                   | 2.153                   |
|          | LTE Band 5B | 10M      | QPSK       | 1       | 49        | -                 | Front         | 0mm      | Ant 0   | DSI 6       | 20476+<br>20575 | 831.6+<br>841.5 | 22.81               | 24.00               | 1.315                  | 0.03             | 1.570                   | 2.065                   |
|          | LTE Band 26 | 15M      | QPSK       | 36      | 0         | -                 | Front         | 0mm      | Ant 0   | DSI 6       | 26865           | 831.5           | 21.84               | 23.00               | 1.306                  | 0.05             | 1.220                   | 1.594                   |
|          | LTE Band 26 | 15M      | QPSK       | 75      | 0         | -                 | Front         | 0mm      | Ant 0   | DSI 6       | 26865           | 831.5           | 21.80               | 23.00               | 1.318                  | 0.09             | 1.150                   | 1.516                   |
|          | LTE Band 26 | 15M      | QPSK       | 1       | 0         | -                 | Back          | 0mm      | Ant 0   | DSI 6       | 26865           | 831.5           | 22.87               | 24.00               | 1.297                  | 0.06             | 1.440                   | 1.868                   |
|          | LTE Band 26 | 15M      | QPSK       | 1       | 0         | -                 | Back          | 0mm      | Ant 1   | DSI 6       | 26865           | 831.5           | 22.43               | 24.00               | 1.435                  | 0.01             | 1.400                   | 2.010                   |
|          | LTE Band 26 | 15M      | QPSK       | 1       | 0         | -                 | Back          | 0mm      | Ant 1   | DSI 6       | 26765           | 821.5           | 22.32               | 24.00               | 1.472                  | 0.06             | 1.410                   | 2.076                   |
|          | LTE Band 26 | 15M      | QPSK       | 1       | 0         | -                 | Back          | 0mm      | Ant 1   | DSI 6       | 26965           | 841.5           | 22.31               | 24.00               | 1.476                  | 0.01             | 1.260                   | 1.859                   |
|          | LTE Band 26 | 15M      | QPSK       | 36      | 0         | -                 | Back          | 0mm      | Ant 1   | DSI 6       | 26865           | 831.5           | 21.50               | 23.00               | 1.413                  | 0.03             | 1.110                   | 1.568                   |
|          | LTE Band 26 | 15M      | QPSK       | 75      | 0         | -                 | Back          | 0mm      | Ant 1   | DSI 6       | 26865           | 831.5           | 21.41               | 23.00               | 1.442                  | 0.06             | 1.080                   | 1.557                   |
| 92       | LTE Band 26 | 15M      | QPSK       | 1       | 0         | -                 | Top Side      | 0mm      | Ant 1   | DSI 6       | 26865           | 831.5           | 22.43               | 24.00               | 1.435                  | 0.09             | 1.870                   | 2.684                   |
|          | LTE Band 5B | 10M      | QPSK       | 1       | 49        | -                 | Top Side      | 0mm      | Ant 1   | DSI 6       | 20476+<br>20575 | 831.6+<br>841.5 | 22.35               | 24.00               | 1.462                  | 0.01             | 1.780                   | 2.603                   |
|          | LTE Band 26 | 15M      | QPSK       | 1       | 0         | -                 | Top Side      | 0mm      | Ant 1   | DSI 6       | 26765           | 821.5           | 22.32               | 24.00               | 1.472                  | 0.03             | 1.810                   | 2.665                   |
|          | LTE Band 26 | 15M      | QPSK       | 1       | 0         | -                 | Top Side      | 0mm      | Ant 1   | DSI 6       | 26965           | 841.5           | 22.31               | 24.00               | 1.476                  | -0.18            | 1.740                   | 2.568                   |
|          | LTE Band 26 | 15M      | QPSK       | 36      | 0         | -                 | Top Side      | 0mm      | Ant 1   | DSI 6       | 26865           | 831.5           | 21.50               | 23.00               | 1.413                  | 0.09             | 1.300                   | 1.836                   |
|          | LTE Band 26 | 15M      | QPSK       | 75      | 0         | -                 | Top Side      | 0mm      | Ant 1   | DSI 6       | 26865           | 831.5           | 21.41               | 23.00               | 1.442                  | 0.09             | 1.260                   | 1.817                   |
| 1750MHz  |             |          |            |         |           |                   |               |          |         |             |                 |                 |                     |                     |                        |                  |                         |                         |
|          | WCDMA IV    | -        | -          | -       | -         | RMC 12.2Kbps      | Front         | 0mm      | Ant 0   | DSI 6       | 1413            | 1732.6          | 20.27               | 20.80               | 1.130                  | 0.15             | 2.280                   | 2.576                   |
|          | WCDMA IV    | -        | -          | -       | -         | RMC 12.2Kbps      | Front         | 0mm      | Ant 0   | DSI 6       | 1312            | 1712.4          | 20.10               | 20.80               | 1.175                  | -0.04            | 2.330                   | 2.738                   |
| 93       | WCDMA IV    | -        | -          | -       | -         | RMC 12.2Kbps      | Front         | 0mm      | Ant 0   | DSI 6       | 1513            | 1752.6          | 20.10               | 20.80               | 1.175                  | -0.1             | 2.340                   | 2.749                   |
|          | WCDMA IV    | -        | -          | -       | -         | RMC 12.2Kbps      | Back          | 0mm      | Ant 0   | DSI 6       | 1413            | 1732.6          | 20.27               | 20.80               | 1.130                  | 0.07             | 2.070                   | 2.339                   |
|          | WCDMA IV    | -        | -          | -       | -         | RMC 12.2Kbps      | Back          | 0mm      | Ant 0   | DSI 6       | 1312            | 1712.4          | 20.10               | 20.80               | 1.175                  | -0.13            | 2.140                   | 2.514                   |
|          | WCDMA IV    | -        | -          | -       | -         | RMC 12.2Kbps      | Back          | 0mm      | Ant 0   | DSI 6       | 1513            | 1752.6          | 20.10               | 20.80               | 1.175                  | 0.07             | 2.100                   | 2.467                   |
|          | WCDMA IV    | -        | -          | -       | -         | RMC 12.2Kbps      | Bottom Side   | 0mm      | Ant 0   | DSI 6       | 1413            | 1732.6          | 20.27               | 20.80               | 1.130                  | 0.02             | 1.670                   | 1.887                   |



# FCC SAR Test Report

Report No. : FA202807-01

|    |              |     |      |     |    |               |             |      |       |       |                   |                 |       |       |       |       |       |       |
|----|--------------|-----|------|-----|----|---------------|-------------|------|-------|-------|-------------------|-----------------|-------|-------|-------|-------|-------|-------|
|    | WCDMA IV     | -   | -    | -   | -  | RMC 12.2Kbps  | Front       | 6mm  | Ant 0 | DSI 4 | 1513              | 1752.6          | 23.09 | 24.00 | 1.233 | 0.05  | 1.870 | 2.306 |
|    | WCDMA IV     | -   | -    | -   | -  | RMC 12.2Kbps  | Back        | 8mm  | Ant 0 | DSI 4 | 1312              | 1712.4          | 23.05 | 24.00 | 1.245 | 0.01  | 1.660 | 2.066 |
|    | WCDMA IV     | -   | -    | -   | -  | RMC 12.2Kbps  | Bottom Side | 10mm | Ant 0 | DSI 4 | 1413              | 1732.6          | 23.13 | 24.00 | 1.222 | -0.13 | 1.510 | 1.845 |
|    | WCDMA IV     | -   | -    | -   | -  | RMC 12.2Kbps  | Front       | 0mm  | Ant 1 | DSI 6 | 1413              | 1732.6          | 19.83 | 20.80 | 1.250 | 0.09  | 1.600 | 2.000 |
|    | WCDMA IV     | -   | -    | -   | -  | RMC 12.2Kbps  | Front       | 0mm  | Ant 1 | DSI 6 | 1312              | 1712.4          | 19.77 | 20.80 | 1.268 | 0.19  | 1.580 | 2.003 |
|    | WCDMA IV     | -   | -    | -   | -  | RMC 12.2Kbps  | Front       | 0mm  | Ant 1 | DSI 6 | 1513              | 1752.6          | 19.74 | 20.80 | 1.276 | 0.18  | 1.630 | 2.081 |
|    | WCDMA IV     | -   | -    | -   | -  | RMC 12.2Kbps  | Back        | 0mm  | Ant 1 | DSI 6 | 1413              | 1732.6          | 19.83 | 20.80 | 1.250 | -0.02 | 1.350 | 1.688 |
|    | WCDMA IV     | -   | -    | -   | -  | RMC 12.2Kbps  | Top Side    | 0mm  | Ant 1 | DSI 6 | 1413              | 1732.6          | 19.83 | 20.80 | 1.250 | -0.04 | 2.030 | 2.538 |
|    | WCDMA IV     | -   | -    | -   | -  | RMC 12.2Kbps  | Top Side    | 0mm  | Ant 1 | DSI 6 | 1312              | 1712.4          | 19.77 | 20.80 | 1.268 | 0.05  | 1.700 | 2.155 |
|    | WCDMA IV     | -   | -    | -   | -  | RMC 12.2Kbps  | Top Side    | 0mm  | Ant 1 | DSI 6 | 1513              | 1752.6          | 19.74 | 20.80 | 1.276 | -0.08 | 2.130 | 2.719 |
|    | WCDMA IV     | -   | -    | -   | -  | RMC 12.2Kbps  | Front       | 5mm  | Ant 1 | DSI 4 | 1513              | 1752.6          | 21.74 | 23.00 | 1.337 | 0.18  | 1.450 | 1.938 |
|    | WCDMA IV     | -   | -    | -   | -  | RMC 12.2Kbps  | Back        | 6mm  | Ant 1 | DSI 4 | 1413              | 1732.6          | 21.79 | 23.00 | 1.321 | -0.02 | 1.240 | 1.638 |
|    | WCDMA IV     | -   | -    | -   | -  | RMC 12.2Kbps  | Top Side    | 7mm  | Ant 1 | DSI 4 | 1513              | 1752.6          | 21.74 | 23.00 | 1.337 | -0.08 | 1.170 | 1.564 |
|    | LTE Band 66  | 20M | QPSK | 1   | 0  | -             | Front       | 0mm  | Ant 0 | DSI 6 | 132322            | 1745            | 20.87 | 21.50 | 1.156 | 0.07  | 2.250 | 2.601 |
|    | LTE Band 66  | 20M | QPSK | 1   | 0  | -             | Front       | 0mm  | Ant 0 | DSI 6 | 132072            | 1720            | 20.75 | 21.50 | 1.189 | 0.05  | 2.250 | 2.674 |
| 94 | LTE Band 66  | 20M | QPSK | 1   | 0  | -             | Front       | 0mm  | Ant 0 | DSI 6 | 132572            | 1770            | 20.71 | 21.50 | 1.199 | 0.01  | 2.290 | 2.747 |
|    | LTE Band 66C | 20M | QPSK | 1   | 0  | -             | Front       | 0mm  | Ant 0 | DSI 6 | 132572+<br>132374 | 1770+<br>1750.2 | 20.51 | 21.50 | 1.256 | -0.05 | 2.110 | 2.650 |
|    | LTE Band 66  | 20M | QPSK | 50  | 0  | -             | Front       | 0mm  | Ant 0 | DSI 6 | 132322            | 1745            | 20.83 | 21.50 | 1.167 | -0.06 | 2.050 | 2.392 |
|    | LTE Band 66  | 20M | QPSK | 50  | 0  | -             | Front       | 0mm  | Ant 0 | DSI 6 | 132072            | 1720            | 20.59 | 21.50 | 1.233 | -0.08 | 2.010 | 2.479 |
|    | LTE Band 66  | 20M | QPSK | 50  | 0  | -             | Front       | 0mm  | Ant 0 | DSI 6 | 132572            | 1770            | 20.63 | 21.50 | 1.222 | 0.14  | 1.990 | 2.431 |
|    | LTE Band 66  | 20M | QPSK | 100 | 0  | -             | Front       | 0mm  | Ant 0 | DSI 6 | 132322            | 1745            | 20.74 | 21.50 | 1.191 | -0.14 | 2.110 | 2.514 |
|    | LTE Band 66  | 20M | QPSK | 1   | 0  | -             | Back        | 0mm  | Ant 0 | DSI 6 | 132322            | 1745            | 20.87 | 21.50 | 1.156 | -0.14 | 2.090 | 2.416 |
|    | LTE Band 66  | 20M | QPSK | 1   | 0  | -             | Back        | 0mm  | Ant 0 | DSI 6 | 132072            | 1720            | 20.75 | 21.50 | 1.189 | -0.14 | 1.980 | 2.353 |
|    | LTE Band 66  | 20M | QPSK | 1   | 0  | -             | Back        | 0mm  | Ant 0 | DSI 6 | 132572            | 1770            | 20.71 | 21.50 | 1.199 | 0.02  | 2.060 | 2.471 |
|    | LTE Band 66  | 20M | QPSK | 50  | 0  | -             | Back        | 0mm  | Ant 0 | DSI 6 | 132322            | 1745            | 20.83 | 21.50 | 1.167 | -0.01 | 1.880 | 2.194 |
|    | LTE Band 66  | 20M | QPSK | 50  | 0  | -             | Back        | 0mm  | Ant 0 | DSI 6 | 132072            | 1720            | 20.59 | 21.50 | 1.233 | -0.18 | 1.820 | 2.244 |
|    | LTE Band 66  | 20M | QPSK | 50  | 0  | -             | Back        | 0mm  | Ant 0 | DSI 6 | 132572            | 1770            | 20.63 | 21.50 | 1.222 | 0.09  | 1.800 | 2.199 |
|    | LTE Band 66  | 20M | QPSK | 100 | 0  | -             | Back        | 0mm  | Ant 0 | DSI 6 | 132322            | 1745            | 20.74 | 21.50 | 1.191 | 0.04  | 1.790 | 2.132 |
|    | LTE Band 66  | 20M | QPSK | 1   | 0  | -             | Bottom Side | 0mm  | Ant 0 | DSI 6 | 132322            | 1745            | 20.87 | 21.50 | 1.156 | -0.15 | 1.650 | 1.908 |
|    | LTE Band 66  | 20M | QPSK | 50  | 0  | -             | Bottom Side | 0mm  | Ant 0 | DSI 6 | 132322            | 1745            | 20.83 | 21.50 | 1.167 | -0.14 | 1.430 | 1.669 |
|    | LTE Band 66  | 20M | QPSK | 1   | 0  | -             | Front       | 6mm  | Ant 0 | DSI 4 | 132572            | 1770            | 22.86 | 24.00 | 1.300 | 0.06  | 1.660 | 2.158 |
|    | LTE Band 66  | 20M | QPSK | 1   | 0  | -             | Back        | 8mm  | Ant 0 | DSI 4 | 132572            | 1770            | 22.86 | 24.00 | 1.300 | 0.03  | 1.310 | 1.703 |
|    | LTE Band 66  | 20M | QPSK | 1   | 0  | -             | Bottom Side | 10mm | Ant 0 | DSI 4 | 132322            | 1745            | 22.94 | 24.00 | 1.276 | 0.18  | 1.410 | 1.800 |
|    | LTE Band 66  | 20M | QPSK | 1   | 0  | -             | Front       | 0mm  | Ant 1 | DSI 6 | 132322            | 1745            | 19.50 | 20.20 | 1.175 | -0.18 | 1.720 | 2.021 |
|    | LTE Band 66  | 20M | QPSK | 1   | 0  | -             | Front       | 0mm  | Ant 1 | DSI 6 | 132072            | 1720            | 19.48 | 20.20 | 1.180 | 0.12  | 1.590 | 1.877 |
|    | LTE Band 66  | 20M | QPSK | 1   | 0  | -             | Front       | 0mm  | Ant 1 | DSI 6 | 132572            | 1770            | 19.32 | 20.20 | 1.225 | 0.04  | 1.540 | 1.886 |
|    | LTE Band 66  | 20M | QPSK | 50  | 0  | -             | Front       | 0mm  | Ant 1 | DSI 6 | 132322            | 1745            | 19.40 | 20.20 | 1.202 | -0.08 | 1.510 | 1.815 |
|    | LTE Band 66  | 20M | QPSK | 100 | 0  | -             | Front       | 0mm  | Ant 1 | DSI 6 | 132322            | 1745            | 19.36 | 20.20 | 1.213 | 0.05  | 1.580 | 1.917 |
|    | LTE Band 66  | 20M | QPSK | 1   | 0  | -             | Back        | 0mm  | Ant 1 | DSI 6 | 132322            | 1745            | 19.50 | 20.20 | 1.175 | 0.03  | 1.280 | 1.504 |
|    | LTE Band 66  | 20M | QPSK | 50  | 0  | -             | Back        | 0mm  | Ant 1 | DSI 6 | 132322            | 1745            | 19.40 | 20.20 | 1.202 | -0.02 | 1.060 | 1.274 |
|    | LTE Band 66  | 20M | QPSK | 100 | 0  | -             | Back        | 0mm  | Ant 1 | DSI 6 | 132322            | 1745            | 19.36 | 20.20 | 1.213 | 0.01  | 1.150 | 1.395 |
|    | LTE Band 66  | 20M | QPSK | 1   | 0  | -             | Top Side    | 0mm  | Ant 1 | DSI 6 | 132322            | 1745            | 19.50 | 20.20 | 1.175 | 0.03  | 2.330 | 2.738 |
|    | LTE Band 66C | 20M | QPSK | 1   | 99 | -             | Top Side    | 0mm  | Ant 1 | DSI 6 | 132322+<br>132520 | 1745+<br>1764.8 | 19.43 | 20.20 | 1.194 | -0.07 | 2.210 | 2.639 |
|    | LTE Band 66  | 20M | QPSK | 1   | 0  | -             | Top Side    | 0mm  | Ant 1 | DSI 6 | 132072            | 1720            | 19.48 | 20.20 | 1.180 | 0.09  | 2.150 | 2.538 |
|    | LTE Band 66  | 20M | QPSK | 1   | 0  | -             | Top Side    | 0mm  | Ant 1 | DSI 6 | 132572            | 1770            | 19.32 | 20.20 | 1.225 | 0.19  | 2.030 | 2.486 |
|    | LTE Band 66  | 20M | QPSK | 50  | 0  | -             | Top Side    | 0mm  | Ant 1 | DSI 6 | 132322            | 1745            | 19.40 | 20.20 | 1.202 | 0.06  | 1.920 | 2.308 |
|    | LTE Band 66  | 20M | QPSK | 50  | 0  | -             | Top Side    | 0mm  | Ant 1 | DSI 6 | 132072            | 1720            | 19.15 | 20.20 | 1.274 | 0.05  | 1.930 | 2.458 |
|    | LTE Band 66  | 20M | QPSK | 50  | 0  | -             | Top Side    | 0mm  | Ant 1 | DSI 6 | 132572            | 1770            | 19.33 | 20.20 | 1.222 | 0.04  | 1.880 | 2.297 |
|    | LTE Band 66  | 20M | QPSK | 100 | 0  | -             | Top Side    | 0mm  | Ant 1 | DSI 6 | 132322            | 1745            | 19.36 | 20.20 | 1.213 | -0.07 | 1.790 | 2.172 |
|    | LTE Band 66  | 20M | QPSK | 1   | 0  | -             | Front       | 5mm  | Ant 1 | DSI 4 | 132322            | 1745            | 21.39 | 23.00 | 1.449 | 0.09  | 1.280 | 1.854 |
|    | LTE Band 66  | 20M | QPSK | 1   | 0  | -             | Back        | 6mm  | Ant 1 | DSI 4 | 132322            | 1745            | 21.39 | 23.00 | 1.449 | 0.15  | 1.020 | 1.478 |
|    | LTE Band 66  | 20M | QPSK | 1   | 0  | -             | Top Side    | 7mm  | Ant 1 | DSI 4 | 132322            | 1745            | 21.39 | 23.00 | 1.449 | 0.04  | 1.050 | 1.521 |
|    | FR1 n66      | 40M | QPSK | 1   | 1  | DFT-SCS-15KHz | Front       | 0mm  | Ant 0 | DSI 6 | 349000            | 1745            | 20.46 | 21.40 | 1.242 | -0.19 | 2.150 | 2.670 |
|    | FR1 n66      | 40M | QPSK | 108 | 54 | DFT-SCS-15KHz | Front       | 0mm  | Ant 0 | DSI 6 | 349000            | 1745            | 20.43 | 21.40 | 1.250 | -0.11 | 1.930 | 2.413 |
|    | FR1 n66      | 40M | QPSK | 216 | 0  | DFT-SCS-15KHz | Front       | 0mm  | Ant 0 | DSI 6 | 349000            | 1745            | 20.40 | 21.40 | 1.259 | 0.07  | 1.820 | 2.291 |





# FCC SAR Test Report

Report No. : FA202807-01

|         |          |     |      |     |    |                   |             |      |       |       |        |        |       |       |       |       |       |       |
|---------|----------|-----|------|-----|----|-------------------|-------------|------|-------|-------|--------|--------|-------|-------|-------|-------|-------|-------|
|         | FR1 n66  | 40M | QPSK | 1   | 1  | DFT-SCS-15KHz     | Back        | 0mm  | Ant 0 | DSI 6 | 349000 | 1745   | 20.46 | 21.40 | 1.242 | 0.02  | 2.190 | 2.719 |
|         | FR1 n66  | 40M | QPSK | 108 | 54 | DFT-SCS-15KHz     | Back        | 0mm  | Ant 0 | DSI 6 | 349000 | 1745   | 20.43 | 21.40 | 1.250 | -0.16 | 1.970 | 2.463 |
|         | FR1 n66  | 40M | QPSK | 216 | 0  | DFT-SCS-15KHz     | Back        | 0mm  | Ant 0 | DSI 6 | 349000 | 1745   | 20.40 | 21.40 | 1.259 | 0.04  | 1.920 | 2.417 |
|         | FR1 n66  | 40M | QPSK | 1   | 1  | DFT-SCS-15KHz     | Bottom Side | 0mm  | Ant 0 | DSI 6 | 349000 | 1745   | 20.46 | 21.40 | 1.242 | 0.18  | 1.160 | 1.440 |
|         | FR1 n66  | 40M | QPSK | 108 | 54 | DFT-SCS-15KHz     | Bottom Side | 0mm  | Ant 0 | DSI 6 | 349000 | 1745   | 20.43 | 21.40 | 1.250 | 0.02  | 1.130 | 1.413 |
|         | FR1 n66  | 40M | QPSK | 1   | 1  | DFT-SCS-15KHz     | Front       | 6mm  | Ant 0 | DSI 4 | 349000 | 1745   | 23.10 | 24.00 | 1.230 | 0.03  | 1.290 | 1.587 |
|         | FR1 n66  | 40M | QPSK | 1   | 1  | DFT-SCS-15KHz     | Back        | 8mm  | Ant 0 | DSI 4 | 349000 | 1745   | 23.10 | 24.00 | 1.230 | 0.01  | 0.993 | 1.222 |
|         | FR1 n66  | 40M | QPSK | 1   | 1  | DFT-SCS-15KHz     | Bottom Side | 10mm | Ant 0 | DSI 4 | 349000 | 1745   | 23.10 | 24.00 | 1.230 | 0.08  | 1.070 | 1.316 |
|         | FR1 n66  | 40M | QPSK | 1   | 1  | DFT-SCS-15KHz     | Front       | 0mm  | Ant 1 | DSI 6 | 349000 | 1745   | 21.58 | 22.70 | 1.294 | 0.08  | 1.810 | 2.342 |
| 95      | FR1 n66  | 40M | QPSK | 108 | 54 | DFT-SCS-15KHz     | Front       | 0mm  | Ant 1 | DSI 6 | 349000 | 1745   | 21.54 | 22.70 | 1.306 | 0.09  | 2.110 | 2.756 |
|         | FR1 n66  | 40M | QPSK | 216 | 0  | DFT-SCS-15KHz     | Front       | 0mm  | Ant 1 | DSI 6 | 349000 | 1745   | 21.51 | 22.70 | 1.315 | -0.08 | 1.820 | 2.394 |
|         | FR1 n66  | 40M | QPSK | 1   | 1  | DFT-SCS-15KHz     | Back        | 0mm  | Ant 1 | DSI 6 | 349000 | 1745   | 21.58 | 22.70 | 1.294 | -0.18 | 1.360 | 1.760 |
|         | FR1 n66  | 40M | QPSK | 108 | 54 | DFT-SCS-15KHz     | Back        | 0mm  | Ant 1 | DSI 6 | 349000 | 1745   | 21.54 | 22.70 | 1.306 | -0.18 | 1.260 | 1.646 |
|         | FR1 n66  | 40M | QPSK | 1   | 1  | DFT-SCS-15KHz     | Top Side    | 0mm  | Ant 1 | DSI 6 | 349000 | 1745   | 21.58 | 22.70 | 1.294 | -0.12 | 1.680 | 2.174 |
|         | FR1 n66  | 40M | QPSK | 108 | 54 | DFT-SCS-15KHz     | Top Side    | 0mm  | Ant 1 | DSI 6 | 349000 | 1745   | 21.54 | 22.70 | 1.306 | 0.04  | 1.880 | 2.456 |
|         | FR1 n66  | 40M | QPSK | 216 | 0  | DFT-SCS-15KHz     | Top Side    | 0mm  | Ant 1 | DSI 6 | 349000 | 1745   | 21.51 | 22.70 | 1.315 | 0.06  | 1.660 | 2.183 |
|         | FR1 n66  | 40M | QPSK | 1   | 1  | DFT-SCS-15KHz     | Front       | 5mm  | Ant 1 | DSI 4 | 349000 | 1745   | 22.94 | 24.00 | 1.276 | 0.08  | 1.020 | 1.302 |
|         | FR1 n66  | 40M | QPSK | 108 | 54 | DFT-SCS-15KHz     | Front       | 5mm  | Ant 1 | DSI 4 | 349000 | 1745   | 22.86 | 24.00 | 1.300 | 0.09  | 1.180 | 1.534 |
|         | FR1 n66  | 40M | QPSK | 1   | 1  | DFT-SCS-15KHz     | Back        | 6mm  | Ant 1 | DSI 4 | 349000 | 1745   | 22.94 | 24.00 | 1.276 | -0.18 | 1.030 | 1.315 |
|         | FR1 n66  | 40M | QPSK | 1   | 1  | DFT-SCS-15KHz     | Top Side    | 7mm  | Ant 1 | DSI 4 | 349000 | 1745   | 22.94 | 24.00 | 1.276 | -0.12 | 0.951 | 1.214 |
|         | FR1 n66  | 40M | QPSK | 108 | 54 | DFT-SCS-15KHz     | Top Side    | 7mm  | Ant 1 | DSI 4 | 349000 | 1745   | 22.86 | 24.00 | 1.300 | 0.04  | 0.989 | 1.286 |
| 1900MHz |          |     |      |     |    |                   |             |      |       |       |        |        |       |       |       |       |       |       |
|         | GSM1900  | -   | -    | -   | -  | GPRS (4 Tx slots) | Front       | 0mm  | Ant 0 | DSI 6 | 661    | 1880   | 23.84 | 24.80 | 1.247 | -0.14 | 1.880 | 2.345 |
| 96      | GSM1900  | -   | -    | -   | -  | GPRS (4 Tx slots) | Front       | 0mm  | Ant 0 | DSI 6 | 512    | 1850.2 | 23.77 | 24.80 | 1.268 | -0.03 | 2.120 | 2.687 |
|         | GSM1900  | -   | -    | -   | -  | GPRS (4 Tx slots) | Front       | 0mm  | Ant 0 | DSI 6 | 810    | 1909.8 | 23.73 | 24.80 | 1.279 | -0.05 | 1.810 | 2.316 |
|         | GSM1900  | -   | -    | -   | -  | GPRS (4 Tx slots) | Back        | 0mm  | Ant 0 | DSI 6 | 661    | 1880   | 23.84 | 24.80 | 1.247 | 0.18  | 1.690 | 2.108 |
|         | GSM1900  | -   | -    | -   | -  | GPRS (4 Tx slots) | Back        | 0mm  | Ant 0 | DSI 6 | 512    | 1850.2 | 23.77 | 24.80 | 1.268 | 0.17  | 2.080 | 2.637 |
|         | GSM1900  | -   | -    | -   | -  | GPRS (4 Tx slots) | Back        | 0mm  | Ant 0 | DSI 6 | 810    | 1909.8 | 23.73 | 24.80 | 1.279 | -0.18 | 1.610 | 2.060 |
|         | GSM1900  | -   | -    | -   | -  | GPRS (4 Tx slots) | Bottom Side | 0mm  | Ant 0 | DSI 6 | 661    | 1880   | 23.84 | 24.80 | 1.247 | -0.01 | 1.020 | 1.272 |
|         | GSM1900  | -   | -    | -   | -  | GPRS (4 Tx slots) | Front       | 6mm  | Ant 0 | DSI 4 | 512    | 1850.2 | 23.77 | 25.00 | 1.327 | 0.05  | 0.851 | 1.130 |
|         | GSM1900  | -   | -    | -   | -  | GPRS (4 Tx slots) | Back        | 8mm  | Ant 0 | DSI 4 | 512    | 1850.2 | 23.77 | 25.00 | 1.327 | 0.01  | 0.640 | 0.850 |
|         | GSM1900  | -   | -    | -   | -  | GPRS (4 Tx slots) | Bottom Side | 10mm | Ant 0 | DSI 4 | 661    | 1880   | 23.84 | 25.00 | 1.306 | 0.19  | 0.805 | 1.051 |
|         | GSM1900  | -   | -    | -   | -  | GPRS (1 Tx slots) | Front       | 0mm  | Ant 1 | DSI 6 | 661    | 1880   | 29.23 | 30.50 | 1.340 | 0.11  | 1.670 | 2.237 |
|         | GSM1900  | -   | -    | -   | -  | GPRS (1 Tx slots) | Front       | 0mm  | Ant 1 | DSI 6 | 512    | 1850.2 | 29.12 | 30.50 | 1.374 | 0.09  | 1.820 | 2.501 |
|         | GSM1900  | -   | -    | -   | -  | GPRS (1 Tx slots) | Front       | 0mm  | Ant 1 | DSI 6 | 810    | 1909.8 | 29.15 | 30.50 | 1.365 | 0.03  | 1.910 | 2.606 |
|         | GSM1900  | -   | -    | -   | -  | GPRS (1 Tx slots) | Back        | 0mm  | Ant 1 | DSI 6 | 661    | 1880   | 29.23 | 30.50 | 1.340 | 0.09  | 1.130 | 1.514 |
|         | GSM1900  | -   | -    | -   | -  | GPRS (1 Tx slots) | Back        | 0mm  | Ant 1 | DSI 6 | 512    | 1850.2 | 29.12 | 30.50 | 1.374 | 0.06  | 1.050 | 1.443 |
|         | GSM1900  | -   | -    | -   | -  | GPRS (1 Tx slots) | Back        | 0mm  | Ant 1 | DSI 6 | 810    | 1909.8 | 29.15 | 30.50 | 1.365 | 0.02  | 1.080 | 1.474 |
|         | GSM1900  | -   | -    | -   | -  | GPRS (1 Tx slots) | Top Side    | 0mm  | Ant 1 | DSI 6 | 661    | 1880   | 29.23 | 30.50 | 1.340 | 0.12  | 1.560 | 2.090 |
|         | GSM1900  | -   | -    | -   | -  | GPRS (1 Tx slots) | Top Side    | 0mm  | Ant 1 | DSI 6 | 512    | 1850.2 | 29.12 | 30.50 | 1.374 | 0.15  | 1.890 | 2.597 |
|         | GSM1900  | -   | -    | -   | -  | GPRS (1 Tx slots) | Top Side    | 0mm  | Ant 1 | DSI 6 | 810    | 1909.8 | 29.15 | 30.50 | 1.365 | 0.05  | 1.790 | 2.443 |
|         | WCDMA II | -   | -    | -   | -  | RMC 12.2Kbps      | Front       | 0mm  | Ant 0 | DSI 6 | 9400   | 1880   | 21.15 | 22.60 | 1.396 | -0.12 | 1.840 | 2.569 |
|         | WCDMA II | -   | -    | -   | -  | RMC 12.2Kbps      | Front       | 0mm  | Ant 0 | DSI 6 | 9262   | 1852.4 | 21.04 | 22.60 | 1.432 | 0.06  | 1.890 | 2.707 |
|         | WCDMA II | -   | -    | -   | -  | RMC 12.2Kbps      | Front       | 0mm  | Ant 0 | DSI 6 | 9538   | 1907.6 | 21.08 | 22.60 | 1.419 | 0.03  | 1.740 | 2.469 |
|         | WCDMA II | -   | -    | -   | -  | RMC 12.2Kbps      | Back        | 0mm  | Ant 0 | DSI 6 | 9400   | 1880   | 21.15 | 22.60 | 1.396 | 0.14  | 1.640 | 2.290 |
|         | WCDMA II | -   | -    | -   | -  | RMC 12.2Kbps      | Back        | 0mm  | Ant 0 | DSI 6 | 9262   | 1852.4 | 21.04 | 22.60 | 1.432 | -0.07 | 1.850 | 2.650 |
|         | WCDMA II | -   | -    | -   | -  | RMC 12.2Kbps      | Back        | 0mm  | Ant 0 | DSI 6 | 9538   | 1907.6 | 21.08 | 22.60 | 1.419 | -0.07 | 1.700 | 2.412 |
|         | WCDMA II | -   | -    | -   | -  | RMC 12.2Kbps      | Bottom Side | 0mm  | Ant 0 | DSI 6 | 9400   | 1880   | 21.15 | 22.60 | 1.396 | -0.01 | 1.120 | 1.564 |
|         | WCDMA II | -   | -    | -   | -  | RMC 12.2Kbps      | Front       | 6mm  | Ant 0 | DSI 4 | 9262   | 1852.4 | 23.02 | 24.00 | 1.253 | 0.06  | 1.790 | 2.243 |
|         | WCDMA II | -   | -    | -   | -  | RMC 12.2Kbps      | Back        | 8mm  | Ant 0 | DSI 4 | 9262   | 1852.4 | 23.02 | 24.00 | 1.253 | 0.06  | 1.340 | 1.679 |
|         | WCDMA II | -   | -    | -   | -  | RMC 12.2Kbps      | Bottom Side | 10mm | Ant 0 | DSI 4 | 9400   | 1880   | 23.06 | 24.00 | 1.242 | 0.15  | 1.810 | 2.247 |
|         | WCDMA II | -   | -    | -   | -  | RMC 12.2Kbps      | Bottom Side | 10mm | Ant 0 | DSI 4 | 9262   | 1852.4 | 23.02 | 24.00 | 1.253 | 0.08  | 1.770 | 2.218 |
|         | WCDMA II | -   | -    | -   | -  | RMC 12.2Kbps      | Bottom Side | 10mm | Ant 0 | DSI 4 | 9538   | 1907.6 | 22.97 | 24.00 | 1.268 | 0.03  | 1.650 | 2.092 |
|         | WCDMA II | -   | -    | -   | -  | RMC 12.2Kbps      | Front       | 0mm  | Ant 1 | DSI 6 | 9400   | 1880   | 19.73 | 21.00 | 1.340 | 0.07  | 1.780 | 2.385 |
|         | WCDMA II | -   | -    | -   | -  | RMC 12.2Kbps      | Front       | 0mm  | Ant 1 | DSI 6 | 9262   | 1852.4 | 19.70 | 21.00 | 1.349 | 0.03  | 1.800 | 2.428 |
|         | WCDMA II | -   | -    | -   | -  | RMC 12.2Kbps      | Front       | 0mm  | Ant 1 | DSI 6 | 9538   | 1907.6 | 19.66 | 21.00 | 1.361 | 0.05  | 1.650 | 2.246 |



# FCC SAR Test Report

Report No. : FA202807-01

|    |            |     |      |     |    |               |             |      |       |       |        |        |       |       |       |       |       |       |
|----|------------|-----|------|-----|----|---------------|-------------|------|-------|-------|--------|--------|-------|-------|-------|-------|-------|-------|
|    | WCDMA II   | -   | -    | -   | -  | RMC 12.2Kbps  | Back        | 0mm  | Ant 1 | DSI 6 | 9400   | 1880   | 19.73 | 21.00 | 1.340 | 0.14  | 1.210 | 1.621 |
|    | WCDMA II   | -   | -    | -   | -  | RMC 12.2Kbps  | Left Side   | 0mm  | Ant 1 | DSI 6 | 9400   | 1880   | 19.73 | 21.00 | 1.340 | 0.04  | 0.535 | 0.717 |
|    | WCDMA II   | -   | -    | -   | -  | RMC 12.2Kbps  | Top Side    | 0mm  | Ant 1 | DSI 6 | 9400   | 1880   | 19.73 | 21.00 | 1.340 | 0.19  | 1.980 | 2.653 |
|    | WCDMA II   | -   | -    | -   | -  | RMC 12.2Kbps  | Top Side    | 0mm  | Ant 1 | DSI 6 | 9262   | 1852.4 | 19.70 | 21.00 | 1.349 | -0.14 | 2.000 | 2.698 |
| 97 | WCDMA II   | -   | -    | -   | -  | RMC 12.2Kbps  | Top Side    | 0mm  | Ant 1 | DSI 6 | 9538   | 1907.6 | 19.66 | 21.00 | 1.361 | -0.05 | 2.030 | 2.764 |
|    | WCDMA II   | -   | -    | -   | -  | RMC 12.2Kbps  | Front       | 5mm  | Ant 1 | DSI 4 | 9262   | 1852.4 | 21.64 | 23.00 | 1.368 | 0.03  | 1.250 | 1.710 |
|    | WCDMA II   | -   | -    | -   | -  | RMC 12.2Kbps  | Back        | 6mm  | Ant 1 | DSI 4 | 9400   | 1880   | 21.71 | 23.00 | 1.346 | 0.02  | 1.190 | 1.602 |
|    | WCDMA II   | -   | -    | -   | -  | RMC 12.2Kbps  | Left Side   | 6mm  | Ant 1 | DSI 4 | 9400   | 1880   | 21.71 | 23.00 | 1.346 | 0.04  | 0.413 | 0.556 |
|    | WCDMA II   | -   | -    | -   | -  | RMC 12.2Kbps  | Top Side    | 7mm  | Ant 1 | DSI 4 | 9538   | 1907.6 | 21.70 | 23.00 | 1.349 | -0.05 | 0.978 | 1.319 |
|    | LTE Band 2 | 20M | QPSK | 1   | 0  | -             | Front       | 0mm  | Ant 0 | DSI 6 | 18900  | 1880   | 20.28 | 21.60 | 1.355 | 0.05  | 1.850 | 2.507 |
|    | LTE Band 2 | 20M | QPSK | 1   | 0  | -             | Front       | 0mm  | Ant 0 | DSI 6 | 18700  | 1860   | 20.20 | 21.60 | 1.380 | 0.04  | 1.970 | 2.719 |
|    | LTE Band 2 | 20M | QPSK | 1   | 0  | -             | Front       | 0mm  | Ant 0 | DSI 6 | 19100  | 1900   | 20.11 | 21.60 | 1.409 | 0.03  | 1.770 | 2.494 |
|    | LTE Band 2 | 20M | QPSK | 50  | 0  | -             | Front       | 0mm  | Ant 0 | DSI 6 | 18900  | 1880   | 20.22 | 21.60 | 1.374 | 0.06  | 1.660 | 2.281 |
|    | LTE Band 2 | 20M | QPSK | 50  | 0  | -             | Front       | 0mm  | Ant 0 | DSI 6 | 18700  | 1860   | 20.00 | 21.60 | 1.445 | -0.12 | 1.690 | 2.443 |
|    | LTE Band 2 | 20M | QPSK | 50  | 0  | -             | Front       | 0mm  | Ant 0 | DSI 6 | 19100  | 1900   | 20.02 | 21.60 | 1.439 | -0.12 | 1.650 | 2.374 |
|    | LTE Band 2 | 20M | QPSK | 100 | 0  | -             | Front       | 0mm  | Ant 0 | DSI 6 | 18900  | 1880   | 20.16 | 21.60 | 1.393 | 0.02  | 1.610 | 2.243 |
|    | LTE Band 2 | 20M | QPSK | 1   | 0  | -             | Back        | 0mm  | Ant 0 | DSI 6 | 18900  | 1880   | 20.28 | 21.60 | 1.355 | -0.02 | 1.880 | 2.548 |
|    | LTE Band 2 | 20M | QPSK | 1   | 0  | -             | Back        | 0mm  | Ant 0 | DSI 6 | 18700  | 1860   | 20.20 | 21.60 | 1.380 | 0.05  | 1.910 | 2.637 |
|    | LTE Band 2 | 20M | QPSK | 1   | 0  | -             | Back        | 0mm  | Ant 0 | DSI 6 | 19100  | 1900   | 20.11 | 21.60 | 1.409 | 0.15  | 1.810 | 2.551 |
|    | LTE Band 2 | 20M | QPSK | 50  | 0  | -             | Back        | 0mm  | Ant 0 | DSI 6 | 18900  | 1880   | 20.22 | 21.60 | 1.374 | 0.15  | 1.770 | 2.432 |
|    | LTE Band 2 | 20M | QPSK | 50  | 0  | -             | Back        | 0mm  | Ant 0 | DSI 6 | 18700  | 1860   | 20.00 | 21.60 | 1.445 | -0.19 | 1.720 | 2.486 |
|    | LTE Band 2 | 20M | QPSK | 50  | 0  | -             | Back        | 0mm  | Ant 0 | DSI 6 | 19100  | 1900   | 20.02 | 21.60 | 1.439 | 0.09  | 1.730 | 2.489 |
|    | LTE Band 2 | 20M | QPSK | 100 | 0  | -             | Back        | 0mm  | Ant 0 | DSI 6 | 18900  | 1880   | 20.16 | 21.60 | 1.393 | -0.14 | 1.740 | 2.424 |
|    | LTE Band 2 | 20M | QPSK | 1   | 0  | -             | Bottom Side | 0mm  | Ant 0 | DSI 6 | 18900  | 1880   | 20.28 | 21.60 | 1.355 | 0.02  | 1.210 | 1.640 |
|    | LTE Band 2 | 20M | QPSK | 50  | 0  | -             | Bottom Side | 0mm  | Ant 0 | DSI 6 | 18900  | 1880   | 20.22 | 21.60 | 1.374 | 0.02  | 1.120 | 1.539 |
|    | LTE Band 2 | 20M | QPSK | 1   | 0  | -             | Front       | 6mm  | Ant 0 | DSI 4 | 18700  | 1860   | 22.59 | 24.00 | 1.384 | 0.01  | 1.560 | 2.158 |
|    | LTE Band 2 | 20M | QPSK | 1   | 0  | -             | Back        | 8mm  | Ant 0 | DSI 4 | 18700  | 1860   | 22.59 | 24.00 | 1.384 | 0.14  | 1.190 | 1.646 |
|    | LTE Band 2 | 20M | QPSK | 1   | 0  | -             | Bottom Side | 10mm | Ant 0 | DSI 4 | 18900  | 1880   | 22.66 | 24.00 | 1.361 | -0.12 | 1.700 | 2.314 |
|    | LTE Band 2 | 20M | QPSK | 1   | 0  | -             | Bottom Side | 10mm | Ant 0 | DSI 4 | 18700  | 1860   | 22.59 | 24.00 | 1.384 | 0.15  | 1.580 | 2.186 |
|    | LTE Band 2 | 20M | QPSK | 1   | 0  | -             | Bottom Side | 10mm | Ant 0 | DSI 4 | 19100  | 1900   | 22.64 | 24.00 | 1.368 | 0.04  | 1.560 | 2.134 |
|    | LTE Band 2 | 20M | QPSK | 50  | 0  | -             | Bottom Side | 10mm | Ant 0 | DSI 4 | 18900  | 1880   | 21.72 | 23.00 | 1.343 | 0.01  | 1.450 | 1.947 |
|    | LTE Band 2 | 20M | QPSK | 100 | 0  | -             | Bottom Side | 10mm | Ant 0 | DSI 4 | 18900  | 1880   | 21.58 | 23.00 | 1.387 | 0.08  | 1.360 | 1.886 |
|    | LTE Band 2 | 20M | QPSK | 1   | 0  | -             | Front       | 0mm  | Ant 1 | DSI 6 | 18900  | 1880   | 19.85 | 21.00 | 1.303 | 0.14  | 1.390 | 1.811 |
|    | LTE Band 2 | 20M | QPSK | 50  | 0  | -             | Front       | 0mm  | Ant 1 | DSI 6 | 18900  | 1880   | 19.79 | 21.00 | 1.321 | 0.04  | 1.280 | 1.691 |
|    | LTE Band 2 | 20M | QPSK | 1   | 0  | -             | Back        | 0mm  | Ant 1 | DSI 6 | 18900  | 1880   | 19.85 | 21.00 | 1.303 | 0.11  | 0.942 | 1.228 |
|    | LTE Band 2 | 20M | QPSK | 50  | 0  | -             | Back        | 0mm  | Ant 1 | DSI 6 | 18900  | 1880   | 19.79 | 21.00 | 1.321 | 0.08  | 0.845 | 1.116 |
|    | LTE Band 2 | 20M | QPSK | 1   | 0  | -             | Left Side   | 0mm  | Ant 1 | DSI 6 | 18900  | 1880   | 19.85 | 21.00 | 1.303 | -0.06 | 0.628 | 0.818 |
|    | LTE Band 2 | 20M | QPSK | 50  | 0  | -             | Left Side   | 0mm  | Ant 1 | DSI 6 | 18900  | 1880   | 19.79 | 21.00 | 1.321 | 0.03  | 0.585 | 0.773 |
| 98 | LTE Band 2 | 20M | QPSK | 1   | 0  | -             | Top Side    | 0mm  | Ant 1 | DSI 6 | 18900  | 1880   | 19.85 | 21.00 | 1.303 | 0.05  | 2.110 | 2.750 |
|    | LTE Band 2 | 20M | QPSK | 1   | 0  | -             | Top Side    | 0mm  | Ant 1 | DSI 6 | 18700  | 1860   | 19.81 | 21.00 | 1.315 | 0.11  | 2.050 | 2.696 |
|    | LTE Band 2 | 20M | QPSK | 1   | 0  | -             | Top Side    | 0mm  | Ant 1 | DSI 6 | 19100  | 1900   | 19.77 | 21.00 | 1.327 | -0.18 | 2.050 | 2.721 |
|    | LTE Band 2 | 20M | QPSK | 50  | 0  | -             | Top Side    | 0mm  | Ant 1 | DSI 6 | 18900  | 1880   | 19.79 | 21.00 | 1.321 | -0.1  | 1.840 | 2.431 |
|    | LTE Band 2 | 20M | QPSK | 50  | 0  | -             | Top Side    | 0mm  | Ant 1 | DSI 6 | 18700  | 1860   | 19.57 | 21.00 | 1.390 | 0.02  | 1.850 | 2.571 |
|    | LTE Band 2 | 20M | QPSK | 50  | 0  | -             | Top Side    | 0mm  | Ant 1 | DSI 6 | 19100  | 1900   | 19.64 | 21.00 | 1.368 | 0.03  | 1.860 | 2.544 |
|    | LTE Band 2 | 20M | QPSK | 100 | 0  | -             | Top Side    | 0mm  | Ant 1 | DSI 6 | 18900  | 1880   | 19.71 | 21.00 | 1.346 | 0.04  | 1.750 | 2.355 |
|    | LTE Band 2 | 20M | QPSK | 1   | 0  | -             | Front       | 5mm  | Ant 1 | DSI 4 | 18900  | 1880   | 21.25 | 23.00 | 1.496 | 0.03  | 1.130 | 1.691 |
|    | LTE Band 2 | 20M | QPSK | 1   | 0  | -             | Back        | 6mm  | Ant 1 | DSI 4 | 18900  | 1880   | 21.25 | 23.00 | 1.496 | 0.05  | 1.010 | 1.511 |
|    | LTE Band 2 | 20M | QPSK | 1   | 0  | -             | Left Side   | 6mm  | Ant 1 | DSI 4 | 18900  | 1880   | 21.25 | 23.00 | 1.496 | 0.09  | 0.365 | 0.546 |
|    | LTE Band 2 | 20M | QPSK | 1   | 0  | -             | Top Side    | 7mm  | Ant 1 | DSI 4 | 18900  | 1880   | 21.25 | 23.00 | 1.496 | -0.12 | 1.010 | 1.511 |
|    | FR1 n2     | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Front       | 0mm  | Ant 0 | DSI 6 | 376000 | 1880   | 20.96 | 21.80 | 1.213 | 0.09  | 2.260 | 2.742 |
|    | FR1 n2     | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Front       | 0mm  | Ant 0 | DSI 6 | 372000 | 1860   | 20.86 | 21.80 | 1.242 | 0.16  | 1.960 | 2.434 |
|    | FR1 n2     | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Front       | 0mm  | Ant 0 | DSI 6 | 380000 | 1900   | 20.91 | 21.80 | 1.227 | 0.06  | 2.090 | 2.565 |
|    | FR1 n2     | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Front       | 0mm  | Ant 0 | DSI 6 | 376000 | 1880   | 20.92 | 21.80 | 1.225 | -0.16 | 2.130 | 2.608 |
|    | FR1 n2     | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Front       | 0mm  | Ant 0 | DSI 6 | 372000 | 1860   | 20.89 | 21.80 | 1.233 | -0.07 | 1.860 | 2.294 |
|    | FR1 n2     | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Front       | 0mm  | Ant 0 | DSI 6 | 380000 | 1900   | 20.86 | 21.80 | 1.242 | -0.12 | 1.980 | 2.458 |
|    | FR1 n2     | 20M | QPSK | 100 | 0  | DFT-SCS-15KHz | Front       | 0mm  | Ant 0 | DSI 6 | 376000 | 1880   | 20.89 | 21.80 | 1.233 | 0.09  | 1.700 | 2.096 |



# FCC SAR Test Report

Report No. : FA202807-01

|    |        |     |      |     |    |               |             |      |       |       |        |      |       |       |       |       |       |       |
|----|--------|-----|------|-----|----|---------------|-------------|------|-------|-------|--------|------|-------|-------|-------|-------|-------|-------|
|    | FR1 n2 | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Back        | 0mm  | Ant 0 | DSI 6 | 376000 | 1880 | 20.96 | 21.80 | 1.213 | -0.18 | 2.150 | 2.609 |
|    | FR1 n2 | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Back        | 0mm  | Ant 0 | DSI 6 | 372000 | 1860 | 20.86 | 21.80 | 1.242 | -0.14 | 2.040 | 2.533 |
|    | FR1 n2 | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Back        | 0mm  | Ant 0 | DSI 6 | 380000 | 1900 | 20.91 | 21.80 | 1.227 | -0.19 | 2.030 | 2.492 |
|    | FR1 n2 | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Back        | 0mm  | Ant 0 | DSI 6 | 376000 | 1880 | 20.92 | 21.80 | 1.225 | 0.04  | 2.060 | 2.523 |
|    | FR1 n2 | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Back        | 0mm  | Ant 0 | DSI 6 | 372000 | 1860 | 20.89 | 21.80 | 1.233 | 0.15  | 2.020 | 2.491 |
|    | FR1 n2 | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Back        | 0mm  | Ant 0 | DSI 6 | 380000 | 1900 | 20.86 | 21.80 | 1.242 | 0.1   | 1.960 | 2.434 |
|    | FR1 n2 | 20M | QPSK | 100 | 0  | DFT-SCS-15KHz | Back        | 0mm  | Ant 0 | DSI 6 | 376000 | 1880 | 20.89 | 21.80 | 1.233 | 0.05  | 1.830 | 2.257 |
|    | FR1 n2 | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Bottom Side | 0mm  | Ant 0 | DSI 6 | 376000 | 1880 | 20.96 | 21.80 | 1.213 | 0.17  | 1.390 | 1.687 |
|    | FR1 n2 | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Bottom Side | 0mm  | Ant 0 | DSI 6 | 376000 | 1880 | 20.92 | 21.80 | 1.225 | -0.16 | 1.310 | 1.604 |
|    | FR1 n2 | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Front       | 6mm  | Ant 0 | DSI 4 | 376000 | 1880 | 23.03 | 24.00 | 1.250 | 0.09  | 1.190 | 1.488 |
|    | FR1 n2 | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Back        | 8mm  | Ant 0 | DSI 4 | 376000 | 1880 | 23.03 | 24.00 | 1.250 | -0.18 | 0.847 | 1.059 |
|    | FR1 n2 | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Bottom Side | 10mm | Ant 0 | DSI 4 | 376000 | 1880 | 23.03 | 24.00 | 1.250 | 0.17  | 1.180 | 1.475 |
|    | FR1 n2 | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Front       | 0mm  | Ant 1 | DSI 6 | 376000 | 1880 | 20.94 | 21.90 | 1.247 | 0.09  | 1.780 | 2.220 |
|    | FR1 n2 | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Front       | 0mm  | Ant 1 | DSI 6 | 372000 | 1860 | 20.87 | 21.90 | 1.268 | 0.19  | 1.720 | 2.180 |
|    | FR1 n2 | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Front       | 0mm  | Ant 1 | DSI 6 | 380000 | 1900 | 20.81 | 21.90 | 1.285 | -0.15 | 1.830 | 2.352 |
|    | FR1 n2 | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Front       | 0mm  | Ant 1 | DSI 6 | 376000 | 1880 | 20.89 | 21.90 | 1.262 | 0.02  | 1.770 | 2.233 |
|    | FR1 n2 | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Front       | 0mm  | Ant 1 | DSI 6 | 372000 | 1860 | 20.76 | 21.90 | 1.300 | -0.04 | 1.610 | 2.093 |
|    | FR1 n2 | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Front       | 0mm  | Ant 1 | DSI 6 | 380000 | 1900 | 20.78 | 21.90 | 1.294 | -0.14 | 1.520 | 1.967 |
|    | FR1 n2 | 20M | QPSK | 100 | 0  | DFT-SCS-15KHz | Front       | 0mm  | Ant 1 | DSI 6 | 376000 | 1880 | 20.84 | 21.90 | 1.276 | -0.12 | 1.590 | 2.030 |
|    | FR1 n2 | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Back        | 0mm  | Ant 1 | DSI 6 | 376000 | 1880 | 20.94 | 21.90 | 1.247 | 0.04  | 1.240 | 1.547 |
|    | FR1 n2 | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Back        | 0mm  | Ant 1 | DSI 6 | 376000 | 1880 | 20.89 | 21.90 | 1.262 | -0.13 | 1.290 | 1.628 |
|    | FR1 n2 | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Top Side    | 0mm  | Ant 1 | DSI 6 | 376000 | 1880 | 20.94 | 21.90 | 1.247 | -0.05 | 2.140 | 2.669 |
| 99 | FR1 n2 | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Top Side    | 0mm  | Ant 1 | DSI 6 | 372000 | 1860 | 20.87 | 21.90 | 1.268 | 0.08  | 2.170 | 2.751 |
|    | FR1 n2 | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Top Side    | 0mm  | Ant 1 | DSI 6 | 380000 | 1900 | 20.81 | 21.90 | 1.285 | -0.17 | 2.110 | 2.712 |
|    | FR1 n2 | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Top Side    | 0mm  | Ant 1 | DSI 6 | 376000 | 1880 | 20.89 | 21.90 | 1.262 | 0.08  | 2.160 | 2.726 |
|    | FR1 n2 | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Top Side    | 0mm  | Ant 1 | DSI 6 | 372000 | 1860 | 20.76 | 21.90 | 1.300 | 0.06  | 2.010 | 2.613 |
|    | FR1 n2 | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Top Side    | 0mm  | Ant 1 | DSI 6 | 380000 | 1900 | 20.78 | 21.90 | 1.294 | 0.17  | 2.050 | 2.653 |
|    | FR1 n2 | 20M | QPSK | 100 | 0  | DFT-SCS-15KHz | Top Side    | 0mm  | Ant 1 | DSI 6 | 376000 | 1880 | 20.84 | 21.90 | 1.276 | 0.11  | 1.980 | 2.527 |
|    | FR1 n2 | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Front       | 5mm  | Ant 1 | DSI 4 | 380000 | 1900 | 22.88 | 24.00 | 1.294 | 0.05  | 1.120 | 1.449 |
|    | FR1 n2 | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Back        | 6mm  | Ant 1 | DSI 4 | 376000 | 1880 | 22.94 | 24.00 | 1.276 | 0.16  | 0.806 | 1.029 |
|    | FR1 n2 | 20M | QPSK | 50  | 28 | DFT-SCS-15KHz | Back        | 6mm  | Ant 1 | DSI 4 | 376000 | 1880 | 22.87 | 24.00 | 1.297 | 0.01  | 0.811 | 1.052 |
|    | FR1 n2 | 20M | QPSK | 1   | 1  | DFT-SCS-15KHz | Top Side    | 7mm  | Ant 1 | DSI 4 | 372000 | 1860 | 22.86 | 24.00 | 1.300 | -0.18 | 0.914 | 1.188 |

| 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) |
|----------|-------------|----------|------------|---------|-----------|------|---------------|----------|---------|-------------|-------------|-------------|---------------------|---------------------|------------------------|--------------|---------------------------|------------------|-------------------------|-------------------------|
| 2600MHz  |             |          |            |         |           |      |               |          |         |             |             |             |                     |                     |                        |              |                           |                  |                         |                         |
|          | LTE Band 7  | 20M      | QPSK       | 1       | 0         | -    | Front         | 0mm      | Ant 0   | DSI 6       | 21100       | 2535        | 19.74               | 21.40               | 1.466                  | -            | -                         | 0.08             | 1.150                   | 1.685                   |
|          | LTE Band 7  | 20M      | QPSK       | 50      | 0         | -    | Front         | 0mm      | Ant 0   | DSI 6       | 21100       | 2535        | 19.72               | 21.40               | 1.472                  | -            | -                         | 0.01             | 1.020                   | 1.502                   |
| 100      | LTE Band 7  | 20M      | QPSK       | 1       | 0         | -    | Back          | 0mm      | Ant 0   | DSI 6       | 21100       | 2535        | 19.74               | 21.40               | 1.466                  | -            | -                         | -0.17            | 1.880                   | 2.755                   |
|          | LTE Band 7C | 20M      | QPSK       | 1       | 99        | -    | Back          | 0mm      | Ant 0   | DSI 6       | 21100+21298 | 2535+2554.8 | 19.48               | 21.40               | 1.556                  | -            | -                         | 0.05             | 1.750                   | 2.723                   |
|          | LTE Band 7  | 20M      | QPSK       | 1       | 0         | -    | Back          | 0mm      | Ant 0   | DSI 6       | 20850       | 2510        | 19.70               | 21.40               | 1.479                  | -            | -                         | -0.01            | 1.710                   | 2.529                   |
|          | LTE Band 7  | 20M      | QPSK       | 1       | 0         | -    | Back          | 0mm      | Ant 0   | DSI 6       | 21350       | 2560        | 19.67               | 21.40               | 1.489                  | -            | -                         | 0.18             | 1.700                   | 2.532                   |
|          | LTE Band 7  | 20M      | QPSK       | 50      | 0         | -    | Back          | 0mm      | Ant 0   | DSI 6       | 21100       | 2535        | 19.72               | 21.40               | 1.472                  | -            | -                         | 0.12             | 1.650                   | 2.429                   |
|          | LTE Band 7  | 20M      | QPSK       | 50      | 0         | -    | Back          | 0mm      | Ant 0   | DSI 6       | 20850       | 2510        | 19.43               | 21.40               | 1.574                  | -            | -                         | 0.09             | 1.620                   | 2.550                   |
|          | LTE Band 7  | 20M      | QPSK       | 50      | 0         | -    | Back          | 0mm      | Ant 0   | DSI 6       | 21350       | 2560        | 19.55               | 21.40               | 1.531                  | -            | -                         | -0.17            | 1.640                   | 2.511                   |
|          | LTE Band 7  | 20M      | QPSK       | 100     | 0         | -    | Back          | 0mm      | Ant 0   | DSI 6       | 21100       | 2535        | 19.66               | 21.40               | 1.493                  | -            | -                         | -0.1             | 1.670                   | 2.493                   |
|          | LTE Band 7  | 20M      | QPSK       | 1       | 0         | -    | Bottom Side   | 0mm      | Ant 0   | DSI 6       | 21100       | 2535        | 19.74               | 21.40               | 1.466                  | -            | -                         | -0.18            | 0.816                   | 1.196                   |
|          | LTE Band 7  | 20M      | QPSK       | 50      | 0         | -    | Bottom Side   | 0mm      | Ant 0   | DSI 6       | 21100       | 2535        | 19.72               | 21.40               | 1.472                  | -            | -                         | 0.02             | 0.798                   | 1.175                   |
|          | LTE Band 7  | 20M      | QPSK       | 1       | 0         | -    | Front         | 6mm      | Ant 0   | DSI 4       | 21100       | 2535        | 22.77               | 24.00               | 1.327                  | -            | -                         | 0.03             | 0.555                   | 0.737                   |
|          | LTE Band 7  | 20M      | QPSK       | 1       | 0         | -    | Back          | 8mm      | Ant 0   | DSI 4       | 21100       | 2535        | 22.77               | 24.00               | 1.327                  | -            | -                         | -0.17            | 0.538                   | 0.714                   |
|          | LTE Band 7  | 20M      | QPSK       | 1       | 0         | -    | Bottom Side   | 10mm     | Ant 0   | DSI 4       | 21100       | 2535        | 22.77               | 24.00               | 1.327                  | -            | -                         | -0.18            | 0.648                   | 0.860                   |
|          | LTE Band 7  | 20M      | QPSK       | 1       | 0         | -    | Front         | 0mm      | Ant 1   | DSI 6       | 21100       | 2535        | 19.74               | 20.70               | 1.247                  | -            | -                         | -0.06            | 1.410                   | 1.759                   |
|          | LTE Band 7  | 20M      | QPSK       | 50      | 0         | -    | Front         | 0mm      | Ant 1   | DSI 6       | 21100       | 2535        | 19.71               | 20.70               | 1.256                  | -            | -                         | 0.02             | 1.240                   | 1.557                   |
|          | LTE Band 7  | 20M      | QPSK       | 1       | 0         | -    | Back          | 0mm      | Ant 1   | DSI 6       | 21100       | 2535        | 19.74               | 20.70               | 1.247                  | -            | -                         | 0.04             | 1.320                   | 1.647                   |
|          | LTE Band 7  | 20M      | QPSK       | 50      | 0         | -    | Back          | 0mm      | Ant 1   | DSI 6       | 21100       | 2535        | 19.71               | 20.70               | 1.256                  | -            | -                         | -0.12            | 1.120                   | 1.407                   |



# FCC SAR Test Report

Report No. : FA202807-01

|     |                  |     |      |     |    |               |             |      |       |       |                 |                   |       |       |       |      |       |       |       |       |
|-----|------------------|-----|------|-----|----|---------------|-------------|------|-------|-------|-----------------|-------------------|-------|-------|-------|------|-------|-------|-------|-------|
|     | LTE Band 7       | 20M | QPSK | 1   | 0  | -             | Top Side    | 0mm  | Ant 1 | DSI 6 | 21100           | 2535              | 19.74 | 20.70 | 1.247 | -    | -     | 0.03  | 1.950 | 2.432 |
|     | LTE Band 7       | 20M | QPSK | 1   | 0  | -             | Top Side    | 0mm  | Ant 1 | DSI 6 | 20850           | 2510              | 19.70 | 20.70 | 1.259 | -    | -     | 0.07  | 1.880 | 2.367 |
|     | LTE Band 7       | 20M | QPSK | 1   | 0  | -             | Top Side    | 0mm  | Ant 1 | DSI 6 | 21350           | 2560              | 19.64 | 20.70 | 1.276 | -    | -     | -0.04 | 2.130 | 2.719 |
|     | LTE Band 7C      | 20M | QPSK | 1   | 0  | -             | Top Side    | 0mm  | Ant 1 | DSI 6 | 21350+<br>21152 | 2560+<br>2540.2   | 19.42 | 20.70 | 1.343 | -    | -     | 0.06  | 2.010 | 2.699 |
|     | LTE Band 7       | 20M | QPSK | 50  | 0  | -             | Top Side    | 0mm  | Ant 1 | DSI 6 | 21100           | 2535              | 19.71 | 20.70 | 1.256 | -    | -     | -0.01 | 1.210 | 1.520 |
|     | LTE Band 7       | 20M | QPSK | 100 | 0  | -             | Top Side    | 0mm  | Ant 1 | DSI 6 | 21100           | 2535              | 19.65 | 20.70 | 1.274 | -    | -     | -0.14 | 1.220 | 1.554 |
|     | LTE Band 7       | 20M | QPSK | 1   | 0  | -             | Front       | 5mm  | Ant 1 | DSI 4 | 21100           | 2535              | 21.29 | 22.00 | 1.178 | -    | -     | 0.06  | 0.718 | 0.846 |
|     | LTE Band 7       | 20M | QPSK | 1   | 0  | -             | Back        | 6mm  | Ant 1 | DSI 4 | 21100           | 2535              | 21.29 | 22.00 | 1.178 | -    | -     | 0.19  | 0.856 | 1.008 |
|     | LTE Band 7       | 20M | QPSK | 1   | 0  | -             | Top Side    | 7mm  | Ant 1 | DSI 4 | 21350           | 2560              | 21.21 | 22.00 | 1.199 | -    | -     | 0.12  | 1.120 | 1.343 |
|     | LTE Band 41      | 20M | QPSK | 1   | 0  | -             | Front       | 0mm  | Ant 0 | DSI 6 | 40620           | 2593              | 22.49 | 23.20 | 1.178 | 62.9 | 1.006 | -0.08 | 1.580 | 1.872 |
|     | LTE Band 41      | 20M | QPSK | 50  | 0  | -             | Front       | 0mm  | Ant 0 | DSI 6 | 40620           | 2593              | 22.38 | 23.00 | 1.153 | 62.9 | 1.006 | 0.03  | 1.220 | 1.416 |
|     | LTE Band 41      | 20M | QPSK | 1   | 0  | -             | Back        | 0mm  | Ant 0 | DSI 6 | 40620           | 2593              | 22.49 | 23.20 | 1.178 | 62.9 | 1.006 | 0.1   | 2.210 | 2.618 |
|     | LTE Band 41      | 20M | QPSK | 1   | 0  | -             | Back        | 0mm  | Ant 0 | DSI 6 | 39750           | 2506              | 22.42 | 23.20 | 1.197 | 62.9 | 1.006 | 0.02  | 1.890 | 2.275 |
|     | LTE Band 41      | 20M | QPSK | 1   | 0  | -             | Back        | 0mm  | Ant 0 | DSI 6 | 40185           | 2549.5            | 22.34 | 23.20 | 1.219 | 62.9 | 1.006 | 0.04  | 2.130 | 2.612 |
| 101 | LTE Band 41      | 20M | QPSK | 1   | 0  | -             | Back        | 0mm  | Ant 0 | DSI 6 | 41055           | 2636.5            | 22.40 | 23.20 | 1.202 | 62.9 | 1.006 | -0.08 | 2.250 | 2.721 |
|     | LTE Band 41C     | 20M | QPSK | 1   | 99 | -             | Back        | 0mm  | Ant 0 | DSI 6 | 41055+<br>41253 | 2636.5+<br>2656.3 | 22.19 | 23.20 | 1.262 | 62.9 | 1.006 | -0.07 | 2.110 | 2.678 |
|     | LTE Band 41      | 20M | QPSK | 1   | 0  | -             | Back        | 0mm  | Ant 0 | DSI 6 | 41490           | 2680              | 22.38 | 23.20 | 1.208 | 62.9 | 1.006 | -0.09 | 2.090 | 2.539 |
|     | LTE Band 41      | 20M | QPSK | 50  | 0  | -             | Back        | 0mm  | Ant 0 | DSI 6 | 40620           | 2593              | 22.38 | 23.00 | 1.153 | 62.9 | 1.006 | 0.17  | 1.840 | 2.135 |
|     | LTE Band 41      | 20M | QPSK | 50  | 0  | -             | Back        | 0mm  | Ant 0 | DSI 6 | 39750           | 2506              | 22.24 | 23.00 | 1.191 | 62.9 | 1.006 | 0.12  | 1.820 | 2.181 |
|     | LTE Band 41      | 20M | QPSK | 50  | 0  | -             | Back        | 0mm  | Ant 0 | DSI 6 | 40185           | 2549.5            | 22.28 | 23.00 | 1.180 | 62.9 | 1.006 | -0.14 | 1.850 | 2.197 |
|     | LTE Band 41      | 20M | QPSK | 50  | 0  | -             | Back        | 0mm  | Ant 0 | DSI 6 | 41055           | 2636.5            | 22.19 | 23.00 | 1.205 | 62.9 | 1.006 | 0.09  | 1.890 | 2.291 |
|     | LTE Band 41      | 20M | QPSK | 50  | 0  | -             | Back        | 0mm  | Ant 0 | DSI 6 | 41490           | 2680              | 22.18 | 23.00 | 1.208 | 62.9 | 1.006 | 0.03  | 1.820 | 2.211 |
|     | LTE Band 41      | 20M | QPSK | 100 | 0  | -             | Back        | 0mm  | Ant 0 | DSI 6 | 40620           | 2593              | 22.38 | 23.00 | 1.153 | 62.9 | 1.006 | -0.07 | 1.830 | 2.123 |
|     | LTE Band 41      | 20M | QPSK | 1   | 0  | -             | Bottom Side | 0mm  | Ant 0 | DSI 6 | 40620           | 2593              | 22.49 | 23.20 | 1.178 | 62.9 | 1.006 | 0.13  | 0.929 | 1.101 |
|     | LTE Band 41      | 20M | QPSK | 50  | 0  | -             | Bottom Side | 0mm  | Ant 0 | DSI 6 | 40620           | 2593              | 22.38 | 23.00 | 1.153 | 62.9 | 1.006 | 0.08  | 0.901 | 1.045 |
|     | LTE Band 41_HPUE | 20M | QPSK | 1   | 0  | -             | Back        | 0mm  | Ant 0 | DSI 6 | 41055           | 2636.5            | 23.98 | 24.80 | 1.208 | 42.9 | 1.009 | -0.07 | 2.200 | 2.681 |
|     | LTE Band 41      | 20M | QPSK | 1   | 0  | -             | Front       | 6mm  | Ant 0 | DSI 4 | 40620           | 2593              | 23.35 | 24.00 | 1.161 | 62.9 | 1.006 | 0.03  | 0.423 | 0.494 |
|     | LTE Band 41      | 20M | QPSK | 1   | 0  | -             | Back        | 8mm  | Ant 0 | DSI 4 | 41055           | 2636.5            | 23.34 | 24.00 | 1.164 | 62.9 | 1.006 | 0.01  | 0.455 | 0.533 |
|     | LTE Band 41      | 20M | QPSK | 1   | 0  | -             | Bottom Side | 10mm | Ant 0 | DSI 4 | 40620           | 2593              | 23.35 | 24.00 | 1.161 | 62.9 | 1.006 | 0.05  | 0.562 | 0.657 |
|     | LTE Band 41      | 20M | QPSK | 1   | 0  | -             | Front       | 0mm  | Ant 1 | DSI 6 | 40620           | 2593              | 22.39 | 23.00 | 1.151 | 62.9 | 1.006 | -0.09 | 1.470 | 1.702 |
|     | LTE Band 41      | 20M | QPSK | 50  | 0  | -             | Front       | 0mm  | Ant 1 | DSI 6 | 40620           | 2593              | 21.36 | 22.00 | 1.159 | 62.9 | 1.006 | 0.13  | 1.450 | 1.690 |
|     | LTE Band 41      | 20M | QPSK | 1   | 0  | -             | Back        | 0mm  | Ant 1 | DSI 6 | 40620           | 2593              | 22.39 | 23.00 | 1.151 | 62.9 | 1.006 | 0.02  | 1.310 | 1.517 |
|     | LTE Band 41      | 20M | QPSK | 50  | 0  | -             | Back        | 0mm  | Ant 1 | DSI 6 | 40620           | 2593              | 21.36 | 22.00 | 1.159 | 62.9 | 1.006 | 0.03  | 1.290 | 1.504 |
|     | LTE Band 41      | 20M | QPSK | 1   | 0  | -             | Top Side    | 0mm  | Ant 1 | DSI 6 | 40620           | 2593              | 22.39 | 23.00 | 1.151 | 62.9 | 1.006 | 0.1   | 1.950 | 2.258 |
|     | LTE Band 41      | 20M | QPSK | 1   | 0  | -             | Top Side    | 0mm  | Ant 1 | DSI 6 | 39750           | 2506              | 22.25 | 23.00 | 1.189 | 62.9 | 1.006 | 0.04  | 1.950 | 2.331 |
|     | LTE Band 41      | 20M | QPSK | 1   | 0  | -             | Top Side    | 0mm  | Ant 1 | DSI 6 | 40185           | 2549.5            | 22.37 | 23.00 | 1.156 | 62.9 | 1.006 | 0.17  | 1.930 | 2.245 |
|     | LTE Band 41      | 20M | QPSK | 1   | 0  | -             | Top Side    | 0mm  | Ant 1 | DSI 6 | 41055           | 2636.5            | 22.32 | 23.00 | 1.169 | 62.9 | 1.006 | -0.14 | 2.020 | 2.377 |
|     | LTE Band 41      | 20M | QPSK | 1   | 0  | -             | Top Side    | 0mm  | Ant 1 | DSI 6 | 41490           | 2680              | 22.28 | 23.00 | 1.180 | 62.9 | 1.006 | -0.02 | 2.210 | 2.624 |
|     | LTE Band 41C     | 20M | QPSK | 1   | 0  | -             | Top Side    | 0mm  | Ant 1 | DSI 6 | 41490+<br>41492 | 2680+<br>2680.2   | 21.97 | 23.00 | 1.268 | 62.9 | 1.006 | -0.17 | 2.010 | 2.563 |
|     | LTE Band 41      | 20M | QPSK | 50  | 0  | -             | Top Side    | 0mm  | Ant 1 | DSI 6 | 40620           | 2593              | 21.36 | 22.00 | 1.159 | 62.9 | 1.006 | 0.03  | 1.880 | 2.192 |
|     | LTE Band 41      | 20M | QPSK | 50  | 0  | -             | Top Side    | 0mm  | Ant 1 | DSI 6 | 39750           | 2506              | 21.29 | 22.00 | 1.178 | 62.9 | 1.006 | 0.04  | 1.870 | 2.215 |
|     | LTE Band 41      | 20M | QPSK | 50  | 0  | -             | Top Side    | 0mm  | Ant 1 | DSI 6 | 40185           | 2549.5            | 21.31 | 22.00 | 1.172 | 62.9 | 1.006 | 0.01  | 1.830 | 2.158 |
|     | LTE Band 41      | 20M | QPSK | 50  | 0  | -             | Top Side    | 0mm  | Ant 1 | DSI 6 | 41055           | 2636.5            | 21.28 | 22.00 | 1.180 | 62.9 | 1.006 | 0.07  | 1.940 | 2.304 |
|     | LTE Band 41      | 20M | QPSK | 50  | 0  | -             | Top Side    | 0mm  | Ant 1 | DSI 6 | 41490           | 2680              | 21.33 | 22.00 | 1.167 | 62.9 | 1.006 | 0.07  | 1.930 | 2.265 |
|     | LTE Band 41      | 20M | QPSK | 100 | 0  | -             | Top Side    | 0mm  | Ant 1 | DSI 6 | 40620           | 2593              | 21.33 | 22.00 | 1.167 | 62.9 | 1.006 | 0.02  | 1.850 | 2.172 |
|     | LTE Band 41_HPUE | 20M | QPSK | 1   | 0  | -             | Top Side    | 0mm  | Ant 1 | DSI 6 | 41490           | 2680              | 24.41 | 24.60 | 1.045 | 42.9 | 1.009 | 0.02  | 2.250 | 2.372 |
|     | FR1 n7           | 40M | QPSK | 1   | 1  | DFT-SCS-15KHz | Front       | 0mm  | Ant 0 | DSI 6 | 507000          | 2535              | 21.02 | 21.90 | 1.225 | -    | -     | -0.11 | 1.150 | 1.408 |
|     | FR1 n7           | 40M | QPSK | 108 | 54 | DFT-SCS-15KHz | Front       | 0mm  | Ant 0 | DSI 6 | 507000          | 2535              | 20.95 | 21.90 | 1.245 | -    | -     | 0.02  | 1.120 | 1.394 |
|     | FR1 n7           | 40M | QPSK | 1   | 1  | DFT-SCS-15KHz | Back        | 0mm  | Ant 0 | DSI 6 | 507000          | 2535              | 21.02 | 21.90 | 1.225 | -    | -     | 0.01  | 1.280 | 1.568 |
|     | FR1 n7           | 40M | QPSK | 108 | 54 | DFT-SCS-15KHz | Back        | 0mm  | Ant 0 | DSI 6 | 507000          | 2535              | 20.95 | 21.90 | 1.245 | -    | -     | 0.03  | 1.330 | 1.655 |
|     | FR1 n7           | 40M | QPSK | 1   | 1  | DFT-SCS-15KHz | Bottom Side | 0mm  | Ant 0 | DSI 6 | 507000          | 2535              | 21.02 | 21.90 | 1.225 | -    | -     | 0.03  | 1.580 | 1.935 |
|     | FR1 n7           | 40M | QPSK | 108 | 54 | DFT-SCS-15KHz | Bottom Side | 0mm  | Ant 0 | DSI 6 | 507000          | 2535              | 20.95 | 21.90 | 1.245 | -    | -     | 0.02  | 1.730 | 2.153 |
|     | FR1 n7           | 40M | QPSK | 216 | 0  | DFT-SCS-15KHz | Bottom Side | 0mm  | Ant 0 | DSI 6 | 507000          | 2535              | 20.89 | 21.90 | 1.262 | -    | -     | -0.11 | 1.520 | 1.918 |
|     | FR1 n7           | 40M | QPSK | 1   | 1  | DFT-SCS-15KHz | Front       | 6mm  | Ant 0 | DSI 4 | 507000          | 2535              | 22.95 | 24.00 | 1.274 | -    | -     | -0.11 | 0.566 | 0.721 |
|     | FR1 n7           | 40M | QPSK | 1   | 1  | DFT-SCS-15KHz | Back        | 8mm  | Ant 0 | DSI 4 | 507000          | 2535              | 22.95 | 24.00 | 1.274 | -    | -     | 0.01  | 0.521 | 0.663 |



# FCC SAR Test Report

Report No. : FA202807-01

|         |              |      |      |     |    |               |             |      |       |       |        |         |       |       |       |      |       |       |       |       |
|---------|--------------|------|------|-----|----|---------------|-------------|------|-------|-------|--------|---------|-------|-------|-------|------|-------|-------|-------|-------|
|         | FR1 n7       | 40M  | QPSK | 108 | 54 | DFT-SCS-15KHz | Back        | 8mm  | Ant 0 | DSI 4 | 507000 | 2535    | 22.91 | 24.00 | 1.285 | -    | -     | 0.03  | 0.533 | 0.685 |
|         | FR1 n7       | 40M  | QPSK | 1   | 1  | DFT-SCS-15KHz | Bottom Side | 10mm | Ant 0 | DSI 4 | 507000 | 2535    | 22.95 | 24.00 | 1.274 | -    | -     | 0.03  | 0.602 | 0.767 |
|         | FR1 n7       | 40M  | QPSK | 108 | 54 | DFT-SCS-15KHz | Bottom Side | 10mm | Ant 0 | DSI 4 | 507000 | 2535    | 22.91 | 24.00 | 1.285 | -    | -     | 0.02  | 0.623 | 0.801 |
|         | FR1 n7       | 40M  | QPSK | 1   | 1  | DFT-SCS-15KHz | Front       | 0mm  | Ant 1 | DSI 6 | 507000 | 2535    | 19.42 | 20.70 | 1.343 | -    | -     | 0.14  | 1.210 | 1.625 |
|         | FR1 n7       | 40M  | QPSK | 108 | 54 | DFT-SCS-15KHz | Front       | 0mm  | Ant 1 | DSI 6 | 507000 | 2535    | 19.37 | 20.70 | 1.358 | -    | -     | -0.04 | 1.190 | 1.616 |
|         | FR1 n7       | 40M  | QPSK | 1   | 1  | DFT-SCS-15KHz | Back        | 0mm  | Ant 1 | DSI 6 | 507000 | 2535    | 19.42 | 20.70 | 1.343 | -    | -     | 0.03  | 1.050 | 1.410 |
|         | FR1 n7       | 40M  | QPSK | 108 | 54 | DFT-SCS-15KHz | Back        | 0mm  | Ant 1 | DSI 6 | 507000 | 2535    | 19.37 | 20.70 | 1.358 | -    | -     | 0.11  | 1.110 | 1.508 |
| 102     | FR1 n7       | 40M  | QPSK | 1   | 1  | DFT-SCS-15KHz | Top Side    | 0mm  | Ant 1 | DSI 6 | 507000 | 2535    | 19.42 | 20.70 | 1.343 | -    | -     | -0.18 | 2.030 | 2.726 |
|         | FR1 n7       | 40M  | QPSK | 108 | 54 | DFT-SCS-15KHz | Top Side    | 0mm  | Ant 1 | DSI 6 | 507000 | 2535    | 19.37 | 20.70 | 1.358 | -    | -     | 0.06  | 1.990 | 2.703 |
|         | FR1 n7       | 40M  | QPSK | 216 | 0  | DFT-SCS-15KHz | Top Side    | 0mm  | Ant 1 | DSI 6 | 507000 | 2535    | 19.28 | 20.70 | 1.387 | -    | -     | 0.09  | 1.580 | 2.191 |
|         | FR1 n7       | 40M  | QPSK | 1   | 1  | DFT-SCS-15KHz | Front       | 5mm  | Ant 1 | DSI 4 | 507000 | 2535    | 22.87 | 24.00 | 1.297 | -    | -     | 0.06  | 0.903 | 1.171 |
|         | FR1 n7       | 40M  | QPSK | 1   | 1  | DFT-SCS-15KHz | Back        | 6mm  | Ant 1 | DSI 4 | 507000 | 2535    | 22.87 | 24.00 | 1.297 | -    | -     | 0.12  | 1.010 | 1.310 |
|         | FR1 n7       | 40M  | QPSK | 108 | 54 | DFT-SCS-15KHz | Back        | 6mm  | Ant 1 | DSI 4 | 507000 | 2535    | 22.77 | 24.00 | 1.327 | -    | -     | -0.13 | 1.120 | 1.487 |
|         | FR1 n7       | 40M  | QPSK | 1   | 1  | DFT-SCS-15KHz | Top Side    | 7mm  | Ant 1 | DSI 4 | 507000 | 2535    | 22.87 | 24.00 | 1.297 | -    | -     | 0.12  | 1.390 | 1.803 |
|         | FR1 n41      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front       | 0mm  | Ant 0 | DSI 6 | 518598 | 2592.99 | 21.19 | 22.10 | 1.233 | -    | -     | -0.09 | 1.530 | 1.887 |
|         | FR1 n41      | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Front       | 0mm  | Ant 0 | DSI 6 | 518598 | 2592.99 | 21.18 | 22.10 | 1.236 | -    | -     | -0.13 | 1.590 | 1.965 |
|         | FR1 n41      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back        | 0mm  | Ant 0 | DSI 6 | 518598 | 2592.99 | 21.19 | 22.10 | 1.233 | -    | -     | 0.08  | 2.110 | 2.602 |
| 103     | FR1 n41      | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Back        | 0mm  | Ant 0 | DSI 6 | 518598 | 2592.99 | 21.18 | 22.10 | 1.236 | -    | -     | -0.03 | 2.230 | 2.756 |
|         | FR1 n41      | 100M | QPSK | 270 | 0  | DFT-SCS-30KHz | Back        | 0mm  | Ant 0 | DSI 6 | 518598 | 2592.99 | 20.87 | 22.10 | 1.327 | -    | -     | 0.04  | 2.020 | 2.681 |
|         | FR1 n41      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Bottom Side | 0mm  | Ant 0 | DSI 6 | 518598 | 2592.99 | 21.19 | 22.10 | 1.233 | -    | -     | 0.08  | 1.110 | 1.369 |
|         | FR1 n41      | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Bottom Side | 0mm  | Ant 0 | DSI 6 | 518598 | 2592.99 | 21.18 | 22.10 | 1.236 | -    | -     | 0.14  | 0.997 | 1.232 |
|         | FR1 n41_HPUE | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Back        | 0mm  | Ant 0 | DSI 6 | 518598 | 2592.99 | 24.15 | 25.10 | 1.245 | 50   | 1.000 | -0.03 | 2.110 | 2.626 |
|         | FR1 n41      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back        | 8mm  | Ant 0 | DSI 4 | 518598 | 2592.99 | 22.63 | 24.00 | 1.371 | -    | -     | 0.06  | 0.492 | 0.674 |
|         | FR1 n41      | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Back        | 8mm  | Ant 0 | DSI 4 | 518598 | 2592.99 | 22.61 | 24.00 | 1.377 | -    | -     | 0.01  | 0.513 | 0.707 |
|         | FR1 n41      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Bottom Side | 10mm | Ant 0 | DSI 4 | 518598 | 2592.99 | 22.63 | 24.00 | 1.371 | -    | -     | 0.18  | 0.620 | 0.850 |
|         | FR1 n41      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front       | 0mm  | Ant 1 | DSI 6 | 518598 | 2592.99 | 19.95 | 21.10 | 1.303 | -    | -     | 0.19  | 1.530 | 1.994 |
|         | FR1 n41      | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Front       | 0mm  | Ant 1 | DSI 6 | 518598 | 2592.99 | 19.91 | 21.10 | 1.315 | -    | -     | -0.17 | 1.190 | 1.565 |
|         | FR1 n41      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back        | 0mm  | Ant 1 | DSI 6 | 518598 | 2592.99 | 19.95 | 21.10 | 1.303 | -    | -     | 0.11  | 1.320 | 1.720 |
|         | FR1 n41      | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Back        | 0mm  | Ant 1 | DSI 6 | 518598 | 2592.99 | 19.91 | 21.10 | 1.315 | -    | -     | -0.01 | 1.190 | 1.565 |
|         | FR1 n41      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Top Side    | 0mm  | Ant 1 | DSI 6 | 518598 | 2592.99 | 19.95 | 21.10 | 1.303 | -    | -     | 0.18  | 2.090 | 2.724 |
|         | FR1 n41      | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Top Side    | 0mm  | Ant 1 | DSI 6 | 518598 | 2592.99 | 19.91 | 21.10 | 1.315 | -    | -     | 0.15  | 1.890 | 2.486 |
|         | FR1 n41      | 100M | QPSK | 270 | 0  | DFT-SCS-30KHz | Top Side    | 0mm  | Ant 1 | DSI 6 | 518598 | 2592.99 | 19.90 | 21.10 | 1.318 | -    | -     | 0.1   | 1.530 | 2.017 |
|         | FR1 n41_HPUE | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Top Side    | 0mm  | Ant 1 | DSI 6 | 518598 | 2592.99 | 22.98 | 24.10 | 1.294 | 50   | 1.000 | -0.08 | 1.930 | 2.498 |
|         | FR1 n41      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front       | 5mm  | Ant 1 | DSI 4 | 518598 | 2592.99 | 22.91 | 24.00 | 1.285 | -    | -     | 0.02  | 0.721 | 0.927 |
|         | FR1 n41      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back        | 6mm  | Ant 1 | DSI 4 | 518598 | 2592.99 | 22.91 | 24.00 | 1.285 | -    | -     | 0.01  | 0.755 | 0.970 |
|         | FR1 n41      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Top Side    | 7mm  | Ant 1 | DSI 4 | 518598 | 2592.99 | 22.91 | 24.00 | 1.285 | -    | -     | 0.19  | 0.912 | 1.172 |
|         | FR1 n41      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front       | 0mm  | Ant 2 | DSI 6 | 518598 | 2592.99 | 19.88 | 21.00 | 1.294 | -    | -     | 0.05  | 1.450 | 1.877 |
|         | FR1 n41      | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Front       | 0mm  | Ant 2 | DSI 6 | 518598 | 2592.99 | 19.71 | 21.00 | 1.346 | -    | -     | -0.04 | 1.500 | 2.019 |
|         | FR1 n41      | 100M | QPSK | 270 | 0  | DFT-SCS-30KHz | Front       | 0mm  | Ant 2 | DSI 6 | 518598 | 2592.99 | 19.81 | 21.00 | 1.315 | -    | -     | 0.09  | 1.470 | 1.933 |
|         | FR1 n41      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back        | 0mm  | Ant 2 | DSI 6 | 518598 | 2592.99 | 19.88 | 21.00 | 1.294 | -    | -     | 0.05  | 0.836 | 1.082 |
|         | FR1 n41      | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Back        | 0mm  | Ant 2 | DSI 6 | 518598 | 2592.99 | 19.71 | 21.00 | 1.346 | -    | -     | 0.15  | 1.080 | 1.454 |
|         | FR1 n41      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Left Side   | 0mm  | Ant 2 | DSI 6 | 518598 | 2592.99 | 19.88 | 21.00 | 1.294 | -    | -     | -0.04 | 2.100 | 2.718 |
|         | FR1 n41      | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Left Side   | 0mm  | Ant 2 | DSI 6 | 518598 | 2592.99 | 19.71 | 21.00 | 1.346 | -    | -     | 0.04  | 2.010 | 2.705 |
|         | FR1 n41      | 100M | QPSK | 270 | 0  | DFT-SCS-30KHz | Left Side   | 0mm  | Ant 2 | DSI 6 | 518598 | 2592.99 | 19.81 | 21.00 | 1.315 | -    | -     | 0.03  | 1.950 | 2.565 |
|         | FR1 n41_HPUE | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Left Side   | 0mm  | Ant 2 | DSI 6 | 518598 | 2592.99 | 22.84 | 24.00 | 1.306 | 50   | 1.000 | -0.02 | 2.030 | 2.652 |
|         | FR1 n41      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front       | 5mm  | Ant 2 | DSI 4 | 518598 | 2592.99 | 22.81 | 24.00 | 1.315 | -    | -     | 0.02  | 0.880 | 1.157 |
|         | FR1 n41      | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Front       | 5mm  | Ant 2 | DSI 4 | 518598 | 2592.99 | 22.74 | 24.00 | 1.337 | -    | -     | 0.03  | 0.856 | 1.144 |
|         | FR1 n41      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back        | 7mm  | Ant 2 | DSI 4 | 518598 | 2592.99 | 22.81 | 24.00 | 1.315 | -    | -     | 0.19  | 0.512 | 0.673 |
|         | FR1 n41      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Left Side   | 9mm  | Ant 2 | DSI 4 | 518598 | 2592.99 | 22.81 | 24.00 | 1.315 | -    | -     | -0.12 | 0.782 | 1.029 |
|         | FR1 n41      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Left Side   | 0mm  | Ant 7 | DSI 6 | 518598 | 2592.99 | 19.21 | 20.30 | 1.285 | -    | -     | -0.07 | 1.980 | 2.545 |
|         | FR1 n41      | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Left Side   | 0mm  | Ant 7 | DSI 6 | 518598 | 2592.99 | 19.19 | 20.30 | 1.291 | -    | -     | -0.06 | 1.860 | 2.402 |
|         | FR1 n41      | 100M | QPSK | 270 | 0  | DFT-SCS-30KHz | Left Side   | 0mm  | Ant 7 | DSI 6 | 518598 | 2592.99 | 19.04 | 20.30 | 1.337 | -    | -     | 0.04  | 1.880 | 2.513 |
|         | FR1 n41_HPUE | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Left Side   | 0mm  | Ant 7 | DSI 6 | 518598 | 2592.99 | 22.24 | 23.30 | 1.276 | 50   | 1.000 | -0.04 | 2.070 | 2.642 |
| 3500MHz |              |      |      |     |    |               |             |      |       |       |        |         |       |       |       |      |       |       |       |       |
|         | LTE Band 48  | 20M  | QPSK | 1   | 0  | -             | Front       | 0mm  | Ant 2 | DSI 6 | 55830  | 3609    | 19.16 | 20.30 | 1.300 | 62.9 | 1.006 | 0.13  | 1.270 | 1.661 |
|         | LTE Band 48  | 20M  | QPSK | 50  | 0  | -             | Front       | 0mm  | Ant 2 | DSI 6 | 55830  | 3609    | 19.06 | 20.30 | 1.330 | 62.9 | 1.006 | -0.12 | 1.130 | 1.512 |





# FCC SAR Test Report

Report No. : FA202807-01

|     |              |      |      |     |    |               |           |     |       |       |                 |                 |       |       |       |      |       |       |       |       |
|-----|--------------|------|------|-----|----|---------------|-----------|-----|-------|-------|-----------------|-----------------|-------|-------|-------|------|-------|-------|-------|-------|
|     | LTE Band 48  | 20M  | QPSK | 1   | 0  | -             | Back      | 0mm | Ant 2 | DSI 6 | 55830           | 3609            | 19.16 | 20.30 | 1.300 | 62.9 | 1.006 | 0.11  | 0.527 | 0.689 |
|     | LTE Band 48  | 20M  | QPSK | 50  | 0  | -             | Back      | 0mm | Ant 2 | DSI 6 | 55830           | 3609            | 19.06 | 20.30 | 1.330 | 62.9 | 1.006 | 0.1   | 0.511 | 0.684 |
|     | LTE Band 48  | 20M  | QPSK | 1   | 0  | -             | Left Side | 0mm | Ant 2 | DSI 6 | 55830           | 3609            | 19.16 | 20.30 | 1.300 | 62.9 | 1.006 | 0.08  | 1.910 | 2.498 |
|     | LTE Band 48  | 20M  | QPSK | 1   | 0  | -             | Left Side | 0mm | Ant 2 | DSI 6 | 55340           | 3560            | 19.10 | 20.30 | 1.318 | 62.9 | 1.006 | -0.07 | 1.690 | 2.241 |
|     | LTE Band 48  | 20M  | QPSK | 1   | 0  | -             | Left Side | 0mm | Ant 2 | DSI 6 | 56150           | 3641            | 19.13 | 20.30 | 1.309 | 62.9 | 1.006 | -0.12 | 1.960 | 2.581 |
| 104 | LTE Band 48  | 20M  | QPSK | 1   | 0  | -             | Left Side | 0mm | Ant 2 | DSI 6 | 56640           | 3690            | 18.98 | 20.30 | 1.355 | 62.9 | 1.006 | -0.05 | 2.010 | 2.740 |
|     | LTE Band 48C | 20M  | QPSK | 1   | 99 |               | Left Side | 0mm | Ant 2 | DSI 6 | 56442<br>+56640 | 3670.2<br>+3690 | 18.92 | 20.30 | 1.374 | 62.9 | 1.006 | 0.09  | 1.950 | 2.695 |
|     | LTE Band 48  | 20M  | QPSK | 50  | 0  | -             | Left Side | 0mm | Ant 2 | DSI 6 | 55830           | 3609            | 19.06 | 20.30 | 1.330 | 62.9 | 1.006 | -0.04 | 1.840 | 2.463 |
|     | LTE Band 48  | 20M  | QPSK | 50  | 0  | -             | Left Side | 0mm | Ant 2 | DSI 6 | 55340           | 3560            | 18.85 | 20.30 | 1.396 | 62.9 | 1.006 | 0.13  | 1.890 | 2.655 |
|     | LTE Band 48  | 20M  | QPSK | 50  | 0  | -             | Left Side | 0mm | Ant 2 | DSI 6 | 56150           | 3641            | 19.01 | 20.30 | 1.346 | 62.9 | 1.006 | -0.1  | 1.870 | 2.532 |
|     | LTE Band 48  | 20M  | QPSK | 50  | 0  | -             | Left Side | 0mm | Ant 2 | DSI 6 | 56640           | 3690            | 18.96 | 20.30 | 1.361 | 62.9 | 1.006 | -0.01 | 1.820 | 2.493 |
|     | LTE Band 48  | 20M  | QPSK | 100 | 0  | -             | Left Side | 0mm | Ant 2 | DSI 6 | 55830           | 3609            | 19.03 | 20.30 | 1.340 | 62.9 | 1.006 | -0.06 | 1.840 | 2.480 |
|     | LTE Band 48  | 20M  | QPSK | 1   | 0  | -             | Front     | 5mm | Ant 2 | DSI 4 | 55830           | 3609            | 23.42 | 24.00 | 1.143 | 62.9 | 1.006 | 0.03  | 0.895 | 1.029 |
|     | LTE Band 48  | 20M  | QPSK | 1   | 0  | -             | Back      | 7mm | Ant 2 | DSI 4 | 55830           | 3609            | 23.42 | 24.00 | 1.143 | 62.9 | 1.006 | 0.12  | 0.512 | 0.589 |
|     | LTE Band 48  | 20M  | QPSK | 1   | 0  | -             | Left Side | 9mm | Ant 2 | DSI 4 | 56640           | 3690            | 23.30 | 24.00 | 1.175 | 62.9 | 1.006 | -0.19 | 1.120 | 1.324 |
|     | FR1 n48      | 40M  | QPSK | 1   | 1  | DFT-SCS-30KHz | Front     | 0mm | Ant 2 | DSI 6 | 641666          | 3624.99         | 16.27 | 17.40 | 1.297 | -    | -     | 0.16  | 1.390 | 1.803 |
|     | FR1 n48      | 40M  | QPSK | 50  | 28 | DFT-SCS-30KHz | Front     | 0mm | Ant 2 | DSI 6 | 641666          | 3624.99         | 16.19 | 17.40 | 1.321 | -    | -     | 0.13  | 1.400 | 1.850 |
|     | FR1 n48      | 40M  | QPSK | 1   | 1  | DFT-SCS-30KHz | Back      | 0mm | Ant 2 | DSI 6 | 641666          | 3624.99         | 16.27 | 17.40 | 1.297 | -    | -     | 0.06  | 0.533 | 0.691 |
|     | FR1 n48      | 40M  | QPSK | 50  | 28 | DFT-SCS-30KHz | Back      | 0mm | Ant 2 | DSI 6 | 641666          | 3624.99         | 16.19 | 17.40 | 1.321 | -    | -     | 0.09  | 0.529 | 0.699 |
|     | FR1 n48      | 40M  | QPSK | 1   | 1  | DFT-SCS-30KHz | Left Side | 0mm | Ant 2 | DSI 6 | 641666          | 3624.99         | 16.27 | 17.40 | 1.297 | -    | -     | -0.02 | 1.780 | 2.309 |
|     | FR1 n48      | 40M  | QPSK | 1   | 1  | DFT-SCS-30KHz | Left Side | 0mm | Ant 2 | DSI 6 | 638000          | 3570            | 16.22 | 17.40 | 1.312 | -    | -     | 0.13  | 1.520 | 1.995 |
| 105 | FR1 n48      | 40M  | QPSK | 1   | 1  | DFT-SCS-30KHz | Left Side | 0mm | Ant 2 | DSI 6 | 645332          | 3679.98         | 16.19 | 17.40 | 1.321 | -    | -     | 0.02  | 2.080 | 2.748 |
|     | FR1 n48      | 40M  | QPSK | 50  | 28 | DFT-SCS-30KHz | Left Side | 0mm | Ant 2 | DSI 6 | 641666          | 3624.99         | 16.19 | 17.40 | 1.321 | -    | -     | -0.08 | 1.860 | 2.458 |
|     | FR1 n48      | 40M  | QPSK | 50  | 28 | DFT-SCS-30KHz | Left Side | 0mm | Ant 2 | DSI 6 | 638000          | 3570            | 16.13 | 17.40 | 1.340 | -    | -     | 0.13  | 1.820 | 2.438 |
|     | FR1 n48      | 40M  | QPSK | 50  | 28 | DFT-SCS-30KHz | Left Side | 0mm | Ant 2 | DSI 6 | 645332          | 3679.98         | 16.14 | 17.40 | 1.337 | -    | -     | 0.07  | 1.970 | 2.633 |
|     | FR1 n48      | 40M  | QPSK | 100 | 0  | DFT-SCS-30KHz | Left Side | 0mm | Ant 2 | DSI 6 | 641666          | 3624.99         | 16.07 | 17.40 | 1.358 | -    | -     | -0.06 | 1.850 | 2.513 |
|     | FR1 n48      | 40M  | QPSK | 1   | 1  | DFT-SCS-30KHz | Front     | 5mm | Ant 2 | DSI 4 | 641666          | 3624.99         | 23.17 | 24.00 | 1.211 | -    | -     | 0.03  | 1.320 | 1.598 |
|     | FR1 n48      | 40M  | QPSK | 50  | 28 | DFT-SCS-30KHz | Front     | 5mm | Ant 2 | DSI 4 | 641666          | 3624.99         | 23.15 | 24.00 | 1.216 | -    | -     | -0.12 | 1.450 | 1.763 |
|     | FR1 n48      | 40M  | QPSK | 1   | 1  | DFT-SCS-30KHz | Back      | 7mm | Ant 2 | DSI 4 | 641666          | 3624.99         | 23.17 | 24.00 | 1.211 | -    | -     | 0.12  | 0.786 | 0.952 |
|     | FR1 n48      | 40M  | QPSK | 50  | 28 | DFT-SCS-30KHz | Back      | 7mm | Ant 2 | DSI 4 | 641666          | 3624.99         | 23.15 | 24.00 | 1.216 | -    | -     | -0.18 | 0.831 | 1.011 |
|     | FR1 n48      | 40M  | QPSK | 1   | 1  | DFT-SCS-30KHz | Left Side | 9mm | Ant 2 | DSI 4 | 645332          | 3679.98         | 23.06 | 24.00 | 1.242 | -    | -     | 0.13  | 1.550 | 1.925 |
|     | FR1 n77      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front     | 0mm | Ant 2 | DSI 6 | 656000          | 3840            | 16.68 | 17.60 | 1.236 | -    | -     | -0.14 | 1.460 | 1.804 |
|     | FR1 n77      | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Front     | 0mm | Ant 2 | DSI 6 | 656000          | 3840            | 16.59 | 17.60 | 1.262 | -    | -     | -0.11 | 1.350 | 1.703 |
|     | FR1 n77      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back      | 0mm | Ant 2 | DSI 6 | 656000          | 3840            | 16.68 | 17.60 | 1.236 | -    | -     | 0.13  | 0.650 | 0.803 |
|     | FR1 n77      | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Back      | 0mm | Ant 2 | DSI 6 | 656000          | 3840            | 16.59 | 17.60 | 1.262 | -    | -     | -0.07 | 0.613 | 0.774 |
|     | FR1 n77      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Left Side | 0mm | Ant 2 | DSI 6 | 656000          | 3840            | 16.68 | 17.60 | 1.236 | -    | -     | 0.01  | 2.190 | 2.707 |
|     | FR1 n77      | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Left Side | 0mm | Ant 2 | DSI 6 | 656000          | 3840            | 16.59 | 17.60 | 1.262 | -    | -     | 0.17  | 2.020 | 2.549 |
|     | FR1 n77      | 100M | QPSK | 270 | 0  | DFT-SCS-30KHz | Left Side | 0mm | Ant 2 | DSI 6 | 656000          | 3840            | 16.48 | 17.60 | 1.294 | -    | -     | -0.11 | 1.900 | 2.459 |
|     | FR1 n77_HPUE | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Left Side | 0mm | Ant 2 | DSI 6 | 656000          | 3840            | 19.72 | 20.60 | 1.225 | 50   | 1.000 | 0.02  | 1.990 | 2.437 |
|     | FR1 n77      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front     | 5mm | Ant 2 | DSI 4 | 656000          | 3840            | 22.57 | 24.00 | 1.390 | -    | -     | 0.03  | 1.180 | 1.640 |
|     | FR1 n77      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back      | 7mm | Ant 2 | DSI 4 | 656000          | 3840            | 22.57 | 24.00 | 1.390 | -    | -     | -0.15 | 0.625 | 0.869 |
|     | FR1 n77      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Left Side | 9mm | Ant 2 | DSI 4 | 656000          | 3840            | 22.57 | 24.00 | 1.390 | -    | -     | 0.06  | 1.380 | 1.918 |
|     | FR1 n77      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front     | 0mm | Ant 2 | DSI 6 | 633334          | 3500.01         | 16.86 | 17.60 | 1.186 | -    | -     | -0.14 | 0.587 | 0.696 |
|     | FR1 n77      | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Front     | 0mm | Ant 2 | DSI 6 | 633334          | 3500.01         | 16.84 | 17.60 | 1.191 | -    | -     | 0.15  | 0.714 | 0.851 |
|     | FR1 n77      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back      | 0mm | Ant 2 | DSI 6 | 633334          | 3500.01         | 16.86 | 17.60 | 1.186 | -    | -     | -0.01 | 0.263 | 0.312 |
|     | FR1 n77      | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Back      | 0mm | Ant 2 | DSI 6 | 633334          | 3500.01         | 16.84 | 17.60 | 1.191 | -    | -     | -0.14 | 0.283 | 0.337 |
|     | FR1 n77      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Left Side | 0mm | Ant 2 | DSI 6 | 633334          | 3500.01         | 16.86 | 17.60 | 1.186 | -    | -     | 0.1   | 0.979 | 1.161 |
|     | FR1 n77      | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Left Side | 0mm | Ant 2 | DSI 6 | 633334          | 3500.01         | 16.84 | 17.60 | 1.191 | -    | -     | 0.06  | 1.060 | 1.263 |
|     | FR1 n77_HPUE | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Left Side | 0mm | Ant 2 | DSI 6 | 633334          | 3500.01         | 19.65 | 20.60 | 1.245 | 50   | 1.000 | 0.06  | 1.010 | 1.257 |
|     | FR1 n77      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front     | 5mm | Ant 2 | DSI 4 | 633334          | 3500.01         | 22.94 | 24.00 | 1.276 | -    | -     | -0.14 | 0.702 | 0.896 |
|     | FR1 n77      | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Front     | 5mm | Ant 2 | DSI 4 | 633334          | 3500.01         | 22.90 | 24.00 | 1.288 | -    | -     | 0.15  | 0.721 | 0.929 |
|     | FR1 n77      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back      | 7mm | Ant 2 | DSI 4 | 633334          | 3500.01         | 22.94 | 24.00 | 1.276 | -    | -     | -0.01 | 0.395 | 0.504 |
|     | FR1 n77      | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Back      | 7mm | Ant 2 | DSI 4 | 633334          | 3500.01         | 22.90 | 24.00 | 1.288 | -    | -     | -0.14 | 0.452 | 0.582 |
|     | FR1 n77      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Left Side | 9mm | Ant 2 | DSI 4 | 633334          | 3500.01         | 22.94 | 24.00 | 1.276 | -    | -     | 0.1   | 0.811 | 1.035 |
|     | FR1 n77      | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Left Side | 9mm | Ant 2 | DSI 4 | 633334          | 3500.01         | 22.90 | 24.00 | 1.288 | -    | -     | 0.06  | 0.827 | 1.065 |
|     | FR1 n77      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front     | 0mm | Ant 4 | DSI 6 | 656000          | 3840            | 19.67 | 20.70 | 1.268 | -    | -     | -0.12 | 1.910 | 2.421 |



# FCC SAR Test Report

Report No. : FA202807-01

|     |              |      |      |     |    |               |            |     |       |       |        |         |       |       |       |    |       |       |       |       |
|-----|--------------|------|------|-----|----|---------------|------------|-----|-------|-------|--------|---------|-------|-------|-------|----|-------|-------|-------|-------|
|     | FR1 n77      | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Front      | 0mm | Ant 4 | DSI 6 | 656000 | 3840    | 19.56 | 20.70 | 1.300 | -  | -     | 0.1   | 1.910 | 2.483 |
|     | FR1 n77      | 100M | QPSK | 270 | 0  | DFT-SCS-30KHz | Front      | 0mm | Ant 4 | DSI 6 | 656000 | 3840    | 19.47 | 20.70 | 1.327 | -  | -     | 0.09  | 2.050 | 2.721 |
|     | FR1 n77      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back       | 0mm | Ant 4 | DSI 6 | 656000 | 3840    | 19.67 | 20.70 | 1.268 | -  | -     | 0.17  | 1.030 | 1.306 |
|     | FR1 n77      | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Back       | 0mm | Ant 4 | DSI 6 | 656000 | 3840    | 19.56 | 20.70 | 1.300 | -  | -     | 0.15  | 1.020 | 1.326 |
|     | FR1 n77      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Top Side   | 0mm | Ant 4 | DSI 6 | 656000 | 3840    | 19.67 | 20.70 | 1.268 | -  | -     | 0.1   | 1.990 | 2.523 |
|     | FR1 n77      | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Top Side   | 0mm | Ant 4 | DSI 6 | 656000 | 3840    | 19.56 | 20.70 | 1.300 | -  | -     | -0.03 | 2.010 | 2.613 |
|     | FR1 n77      | 100M | QPSK | 270 | 0  | DFT-SCS-30KHz | Top Side   | 0mm | Ant 4 | DSI 6 | 656000 | 3840    | 19.47 | 20.70 | 1.327 | -  | -     | 0.14  | 1.840 | 2.442 |
|     | FR1 n77_HPUE | 100M | QPSK | 270 | 0  | DFT-SCS-30KHz | Front      | 0mm | Ant 4 | DSI 6 | 656000 | 3840    | 22.53 | 23.70 | 1.309 | 50 | 1.000 | -0.06 | 2.010 | 2.631 |
|     | FR1 n77      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front      | 0mm | Ant 4 | DSI 6 | 633334 | 3500.01 | 19.58 | 20.70 | 1.294 | -  | -     | -0.09 | 1.850 | 2.394 |
|     | FR1 n77      | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Front      | 0mm | Ant 4 | DSI 6 | 633334 | 3500.01 | 19.48 | 20.70 | 1.324 | -  | -     | -0.07 | 1.960 | 2.596 |
| 106 | FR1 n77      | 100M | QPSK | 270 | 0  | DFT-SCS-30KHz | Front      | 0mm | Ant 4 | DSI 6 | 633334 | 3500.01 | 19.38 | 20.70 | 1.355 | -  | -     | 0.09  | 2.040 | 2.765 |
|     | FR1 n77      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back       | 0mm | Ant 4 | DSI 6 | 633334 | 3500.01 | 19.58 | 20.70 | 1.294 | -  | -     | 0.1   | 0.685 | 0.887 |
|     | FR1 n77      | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Back       | 0mm | Ant 4 | DSI 6 | 633334 | 3500.01 | 19.48 | 20.70 | 1.324 | -  | -     | 0.13  | 0.797 | 1.056 |
|     | FR1 n77      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Top Side   | 0mm | Ant 4 | DSI 6 | 633334 | 3500.01 | 19.58 | 20.70 | 1.294 | -  | -     | 0.14  | 1.080 | 1.398 |
|     | FR1 n77      | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Top Side   | 0mm | Ant 4 | DSI 6 | 633334 | 3500.01 | 19.48 | 20.70 | 1.324 | -  | -     | -0.17 | 1.320 | 1.748 |
|     | FR1 n77_HPUE | 100M | QPSK | 270 | 0  | DFT-SCS-30KHz | Front      | 0mm | Ant 4 | DSI 6 | 633334 | 3500.01 | 22.43 | 23.70 | 1.340 | 50 | 1.000 | -0.02 | 1.990 | 2.666 |
|     | FR1 n77      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front      | 0mm | Ant 5 | DSI 6 | 656000 | 3840    | 19.45 | 20.50 | 1.274 | -  | -     | 0.09  | 2.150 | 2.738 |
|     | FR1 n77      | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Front      | 0mm | Ant 5 | DSI 6 | 656000 | 3840    | 19.41 | 20.50 | 1.285 | -  | -     | -0.05 | 1.750 | 2.249 |
|     | FR1 n77      | 100M | QPSK | 270 | 0  | DFT-SCS-30KHz | Front      | 0mm | Ant 5 | DSI 6 | 656000 | 3840    | 19.36 | 20.50 | 1.300 | -  | -     | -0.03 | 1.810 | 2.353 |
|     | FR1 n77      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back       | 0mm | Ant 5 | DSI 6 | 656000 | 3840    | 19.45 | 20.50 | 1.274 | -  | -     | 0.17  | 0.806 | 1.026 |
|     | FR1 n77      | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Back       | 0mm | Ant 5 | DSI 6 | 656000 | 3840    | 19.41 | 20.50 | 1.285 | -  | -     | 0.11  | 0.754 | 0.969 |
|     | FR1 n77      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Right Side | 0mm | Ant 5 | DSI 6 | 656000 | 3840    | 19.45 | 20.50 | 1.274 | -  | -     | 0.16  | 1.090 | 1.388 |
|     | FR1 n77      | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Right Side | 0mm | Ant 5 | DSI 6 | 656000 | 3840    | 19.41 | 20.50 | 1.285 | -  | -     | -0.17 | 1.040 | 1.337 |
|     | FR1 n77      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Top Side   | 0mm | Ant 5 | DSI 6 | 656000 | 3840    | 19.45 | 20.50 | 1.274 | -  | -     | 0.05  | 1.920 | 2.445 |
|     | FR1 n77      | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Top Side   | 0mm | Ant 5 | DSI 6 | 656000 | 3840    | 19.41 | 20.50 | 1.285 | -  | -     | -0.13 | 1.650 | 2.121 |
|     | FR1 n77      | 100M | QPSK | 270 | 0  | DFT-SCS-30KHz | Top Side   | 0mm | Ant 5 | DSI 6 | 656000 | 3840    | 19.36 | 20.50 | 1.300 | -  | -     | 0.17  | 1.940 | 2.522 |
|     | FR1 n77_HPUE | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front      | 0mm | Ant 5 | DSI 6 | 656000 | 3840    | 22.48 | 23.50 | 1.265 | 50 | 1.000 | 0.03  | 2.110 | 2.669 |
|     | FR1 n77      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front      | 5mm | Ant 5 | DSI 4 | 656000 | 3840    | 22.56 | 24.00 | 1.393 | -  | -     | 0.03  | 0.813 | 1.133 |
|     | FR1 n77      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back       | 9mm | Ant 5 | DSI 4 | 656000 | 3840    | 22.56 | 24.00 | 1.393 | -  | -     | 0.06  | 0.341 | 0.475 |
|     | FR1 n77      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Right Side | 6mm | Ant 5 | DSI 4 | 656000 | 3840    | 22.56 | 24.00 | 1.393 | -  | -     | -0.12 | 0.353 | 0.492 |
|     | FR1 n77      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Top Side   | 6mm | Ant 5 | DSI 4 | 656000 | 3840    | 22.56 | 24.00 | 1.393 | -  | -     | 0.06  | 0.614 | 0.855 |
|     | FR1 n77      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front      | 0mm | Ant 5 | DSI 6 | 633334 | 3500.01 | 19.68 | 20.50 | 1.208 | -  | -     | 0.09  | 1.770 | 2.138 |
|     | FR1 n77      | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Front      | 0mm | Ant 5 | DSI 6 | 633334 | 3500.01 | 19.59 | 20.50 | 1.233 | -  | -     | 0.12  | 1.820 | 2.244 |
|     | FR1 n77      | 100M | QPSK | 270 | 0  | DFT-SCS-30KHz | Front      | 0mm | Ant 5 | DSI 6 | 633334 | 3500.01 | 19.52 | 20.50 | 1.253 | -  | -     | -0.11 | 1.830 | 2.293 |
|     | FR1 n77      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back       | 0mm | Ant 5 | DSI 6 | 633334 | 3500.01 | 19.68 | 20.50 | 1.208 | -  | -     | -0.15 | 0.521 | 0.629 |
|     | FR1 n77      | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Back       | 0mm | Ant 5 | DSI 6 | 633334 | 3500.01 | 19.59 | 20.50 | 1.233 | -  | -     | 0.14  | 0.580 | 0.715 |
|     | FR1 n77      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Right Side | 0mm | Ant 5 | DSI 6 | 633334 | 3500.01 | 19.68 | 20.50 | 1.208 | -  | -     | 0.16  | 0.521 | 0.629 |
|     | FR1 n77      | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Right Side | 0mm | Ant 5 | DSI 6 | 633334 | 3500.01 | 19.59 | 20.50 | 1.233 | -  | -     | 0.09  | 0.563 | 0.694 |
|     | FR1 n77      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Top Side   | 0mm | Ant 5 | DSI 6 | 633334 | 3500.01 | 19.68 | 20.50 | 1.208 | -  | -     | 0.13  | 1.520 | 1.836 |
|     | FR1 n77      | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Top Side   | 0mm | Ant 5 | DSI 6 | 633334 | 3500.01 | 19.59 | 20.50 | 1.233 | -  | -     | 0.06  | 2.030 | 2.503 |
|     | FR1 n77      | 100M | QPSK | 270 | 0  | DFT-SCS-30KHz | Top Side   | 0mm | Ant 5 | DSI 6 | 633334 | 3500.01 | 19.52 | 20.50 | 1.253 | -  | -     | 0.14  | 1.640 | 2.055 |
|     | FR1 n77_HPUE | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Top Side   | 0mm | Ant 5 | DSI 6 | 633334 | 3500.01 | 22.78 | 23.50 | 1.180 | 50 | 1.000 | 0.01  | 1.950 | 2.302 |
|     | FR1 n77      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front      | 5mm | Ant 5 | DSI 4 | 633334 | 3500.01 | 22.64 | 24.00 | 1.368 | -  | -     | 0.03  | 0.560 | 0.766 |
|     | FR1 n77      | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Front      | 5mm | Ant 5 | DSI 4 | 633334 | 3500.01 | 22.59 | 24.00 | 1.384 | -  | -     | 0.18  | 0.552 | 0.764 |
|     | FR1 n77      | 100M | QPSK | 270 | 0  | DFT-SCS-30KHz | Front      | 5mm | Ant 5 | DSI 4 | 633334 | 3500.01 | 21.52 | 23.00 | 1.406 | -  | -     | -0.12 | 0.627 | 0.882 |
|     | FR1 n77      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back       | 9mm | Ant 5 | DSI 4 | 633334 | 3500.01 | 22.64 | 24.00 | 1.368 | -  | -     | 0.13  | 0.265 | 0.362 |
|     | FR1 n77      | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Back       | 9mm | Ant 5 | DSI 4 | 633334 | 3500.01 | 22.59 | 24.00 | 1.384 | -  | -     | 0.02  | 0.300 | 0.415 |
|     | FR1 n77      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Right Side | 6mm | Ant 5 | DSI 4 | 633334 | 3500.01 | 22.64 | 24.00 | 1.368 | -  | -     | 0.07  | 0.265 | 0.362 |
|     | FR1 n77      | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Right Side | 6mm | Ant 5 | DSI 4 | 633334 | 3500.01 | 22.59 | 24.00 | 1.384 | -  | -     | -0.06 | 0.287 | 0.397 |
|     | FR1 n77      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Top Side   | 6mm | Ant 5 | DSI 4 | 633334 | 3500.01 | 22.64 | 24.00 | 1.368 | -  | -     | 0.06  | 0.685 | 0.937 |
|     | FR1 n77      | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Top Side   | 6mm | Ant 5 | DSI 4 | 633334 | 3500.01 | 22.59 | 24.00 | 1.384 | -  | -     | 0.04  | 0.730 | 1.010 |
|     | FR1 n77      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front      | 0mm | Ant 7 | DSI 6 | 656000 | 3840    | 18.52 | 20.30 | 1.507 | -  | -     | 0.08  | 0.949 | 1.430 |
|     | FR1 n77      | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Front      | 0mm | Ant 7 | DSI 6 | 656000 | 3840    | 18.39 | 20.30 | 1.552 | -  | -     | -0.08 | 0.748 | 1.161 |
|     | FR1 n77      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back       | 0mm | Ant 7 | DSI 6 | 656000 | 3840    | 18.52 | 20.30 | 1.507 | -  | -     | -0.15 | 0.648 | 0.976 |
|     | FR1 n77      | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Back       | 0mm | Ant 7 | DSI 6 | 656000 | 3840    | 18.39 | 20.30 | 1.552 | -  | -     | 0.08  | 0.518 | 0.804 |
|     | FR1 n77      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Left Side  | 0mm | Ant 7 | DSI 6 | 656000 | 3840    | 18.52 | 20.30 | 1.507 | -  | -     | 0.06  | 1.520 | 2.290 |



# FCC SAR Test Report

Report No. : FA202807-01

|              |      |      |     |    |               |           |     |       |       |        |         |       |       |       |    |       |       |       |       |
|--------------|------|------|-----|----|---------------|-----------|-----|-------|-------|--------|---------|-------|-------|-------|----|-------|-------|-------|-------|
| FR1 n77      | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Left Side | 0mm | Ant 7 | DSI 6 | 656000 | 3840    | 18.39 | 20.30 | 1.552 | -  | -     | -0.14 | 1.330 | 2.065 |
| FR1 n77      | 100M | QPSK | 270 | 0  | DFT-SCS-30KHz | Left Side | 0mm | Ant 7 | DSI 6 | 656000 | 3840    | 18.36 | 20.30 | 1.563 | -  | -     | -0.08 | 1.450 | 2.267 |
| FR1 n77_HPUE | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Left Side | 0mm | Ant 7 | DSI 6 | 656000 | 3840    | 21.53 | 23.30 | 1.503 | 50 | 1.000 | 0.03  | 1.480 | 2.225 |
| FR1 n77      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Front     | 0mm | Ant 7 | DSI 6 | 633334 | 3500.01 | 18.87 | 20.30 | 1.390 | -  | -     | 0.11  | 0.919 | 1.277 |
| FR1 n77      | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Front     | 0mm | Ant 7 | DSI 6 | 633334 | 3500.01 | 18.83 | 20.30 | 1.403 | -  | -     | -0.02 | 0.836 | 1.173 |
| FR1 n77      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Back      | 0mm | Ant 7 | DSI 6 | 633334 | 3500.01 | 18.87 | 20.30 | 1.390 | -  | -     | 0.11  | 0.674 | 0.937 |
| FR1 n77      | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Back      | 0mm | Ant 7 | DSI 6 | 633334 | 3500.01 | 18.83 | 20.30 | 1.403 | -  | -     | 0.14  | 0.522 | 0.732 |
| FR1 n77      | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Left Side | 0mm | Ant 7 | DSI 6 | 633334 | 3500.01 | 18.87 | 20.30 | 1.390 | -  | -     | 0.13  | 1.980 | 2.752 |
| FR1 n77      | 100M | QPSK | 135 | 69 | DFT-SCS-30KHz | Left Side | 0mm | Ant 7 | DSI 6 | 633334 | 3500.01 | 18.83 | 20.30 | 1.403 | -  | -     | 0.09  | 1.620 | 2.273 |
| FR1 n77      | 100M | QPSK | 270 | 0  | DFT-SCS-30KHz | Left Side | 0mm | Ant 7 | DSI 6 | 633334 | 3500.01 | 18.76 | 20.30 | 1.426 | -  | -     | 0.01  | 1.640 | 2.338 |
| FR1 n77_HPUE | 100M | QPSK | 1   | 1  | DFT-SCS-30KHz | Left Side | 0mm | Ant 7 | DSI 6 | 633334 | 3500.01 | 22.07 | 23.30 | 1.327 | 50 | 1.000 | 0.01  | 1.890 | 2.509 |

| 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) |
|----------|------------|---------------------|---------------|----------|---------|---------------------|-----|-------------|---------------------|---------------------|------------------------|--------------|---------------------------|------------------|-------------------------|-------------------------|
| WIFI&BT  |            |                     |               |          |         |                     |     |             |                     |                     |                        |              |                           |                  |                         |                         |
| 107      | WLAN2.4GHz | 802.11b 1Mbps       | Front         | 0mm      | Ant 3+6 | Standalone          | 6   | 2437        | 22.34               | 23.50               | 1.306                  | 97.94        | 1.021                     | 0.01             | 1.840                   | 2.454                   |
|          | WLAN2.4GHz | 802.11b 1Mbps       | Front         | 0mm      | Ant 3+6 | DBS only            | 6   | 2437        | 20.64               | 22.00               | 1.366                  | 97.94        | 1.021                     | 0.07             | 1.280                   | 1.786                   |
|          | WLAN2.4GHz | 802.11b 1Mbps       | Front         | 0mm      | Ant 3+6 | WWAN+non DBS        | 6   | 2437        | 16.94               | 18.00               | 1.276                  | 97.94        | 1.021                     | -0.07            | 0.608                   | 0.792                   |
|          | WLAN2.4GHz | 802.11b 1Mbps       | Back          | 0mm      | Ant 3+6 | WWAN+non DBS        | 6   | 2437        | 16.94               | 18.00               | 1.276                  | 97.94        | 1.021                     | -0.14            | 0.406                   | 0.529                   |
|          | WLAN2.4GHz | 802.11b 1Mbps       | Top Side      | 0mm      | Ant 3+6 | WWAN+non DBS        | 6   | 2437        | 16.94               | 18.00               | 1.276                  | 97.94        | 1.021                     | 0.17             | 0.565                   | 0.736                   |
|          | WLAN2.4GHz | 802.11b 1Mbps       | Front         | 0mm      | Ant 3+6 | WWAN+DBS            | 6   | 2437        | 14.10               | 15.50               | 1.380                  | 97.94        | 1.021                     | -0.17            | 0.283                   | 0.399                   |
|          | WLAN2.4GHz | 802.11b 1Mbps       | Back          | 0mm      | Ant 3+6 | WWAN+DBS            | 6   | 2437        | 14.10               | 15.50               | 1.380                  | 97.94        | 1.021                     | 0.07             | 0.189                   | 0.266                   |
|          | WLAN2.4GHz | 802.11b 1Mbps       | Top Side      | 0mm      | Ant 3+6 | WWAN+DBS            | 6   | 2437        | 14.10               | 15.50               | 1.380                  | 97.94        | 1.021                     | -0.09            | 0.263                   | 0.371                   |
|          | WLAN2.4GHz | 802.11b 1Mbps       | Front         | 0mm      | Ant 3+6 | Standalone          | 1   | 2412        | 22.24               | 23.50               | 1.337                  | 97.94        | 1.021                     | -0.01            | 1.750                   | 2.388                   |
|          | WLAN2.4GHz | 802.11b 1Mbps       | Back          | 0mm      | Ant 3+6 | Standalone          | 6   | 2437        | 22.34               | 23.50               | 1.306                  | 97.94        | 1.021                     | -0.08            | 1.230                   | 1.640                   |
|          | WLAN2.4GHz | 802.11b 1Mbps       | Top Side      | 0mm      | Ant 3+6 | Standalone          | 6   | 2437        | 22.34               | 23.50               | 1.306                  | 97.94        | 1.021                     | 0.13             | 1.710                   | 2.280                   |
|          | WLAN2.4GHz | 802.11b 1Mbps       | Top Side      | 0mm      | Ant 3+6 | Standalone          | 1   | 2412        | 22.24               | 23.50               | 1.337                  | 97.94        | 1.021                     | -0.03            | 1.660                   | 2.265                   |
|          | WLAN2.4GHz | 802.11b 1Mbps       | Front         | 5mm      | Ant 3+6 | Full Power          | 6   | 2437        | 22.34               | 23.50               | 1.306                  | 97.94        | 1.021                     | 0.09             | 0.469                   | 0.625                   |
|          | WLAN2.4GHz | 802.11b 1Mbps       | Back          | 9mm      | Ant 3+6 | Full Power          | 6   | 2437        | 22.34               | 23.50               | 1.306                  | 97.94        | 1.021                     | 0.03             | 0.253                   | 0.337                   |
|          | WLAN2.4GHz | 802.11b 1Mbps       | Top Side      | 6mm      | Ant 3+6 | Full Power          | 6   | 2437        | 22.34               | 23.50               | 1.306                  | 97.94        | 1.021                     | 0.01             | 0.576                   | 0.768                   |
| 108      | WLAN5.3GHz | 802.11a 6Mbps       | Front         | 0mm      | Ant 4+5 | Standalone&DBS only | 64  | 5320        | 19.93               | 21.00               | 1.279                  | 99.23        | 1.008                     | 0.01             | 1.380                   | 1.780                   |
|          | WLAN5.3GHz | 802.11ac-VHT80 MCS0 | Front         | 0mm      | Ant 4+5 | WWAN+non DBS        | 58  | 5290        | 15.63               | 17.00               | 1.371                  | 99.30        | 1.007                     | 0.18             | 0.566                   | 0.781                   |
|          | WLAN5.3GHz | 802.11ac-VHT80 MCS0 | Back          | 0mm      | Ant 4+5 | WWAN+non DBS        | 58  | 5290        | 15.63               | 17.00               | 1.371                  | 99.30        | 1.007                     | -0.17            | 0.145                   | 0.200                   |
|          | WLAN5.3GHz | 802.11ac-VHT80 MCS0 | Left Side     | 0mm      | Ant 4+5 | WWAN+non DBS        | 58  | 5290        | 15.63               | 17.00               | 1.371                  | 99.30        | 1.007                     | 0.01             | 0.012                   | 0.017                   |
|          | WLAN5.3GHz | 802.11ac-VHT80 MCS0 | Right Side    | 0mm      | Ant 4+5 | WWAN+non DBS        | 58  | 5290        | 15.63               | 17.00               | 1.371                  | 99.30        | 1.007                     | -0.06            | 0.117                   | 0.162                   |
|          | WLAN5.3GHz | 802.11ac-VHT80 MCS0 | Top Side      | 0mm      | Ant 4+5 | WWAN+non DBS        | 58  | 5290        | 15.63               | 17.00               | 1.371                  | 99.30        | 1.007                     | -0.05            | 0.277                   | 0.382                   |
|          | WLAN5.3GHz | 802.11ac-VHT80 MCS0 | Front         | 0mm      | Ant 4+5 | WWAN+DBS            | 58  | 5290        | 12.29               | 13.50               | 1.321                  | 99.30        | 1.007                     | 0.15             | 0.285                   | 0.379                   |
|          | WLAN5.3GHz | 802.11ac-VHT80 MCS0 | Back          | 0mm      | Ant 4+5 | WWAN+DBS            | 58  | 5290        | 12.29               | 13.50               | 1.321                  | 99.30        | 1.007                     | 0.19             | 0.079                   | 0.105                   |
|          | WLAN5.3GHz | 802.11ac-VHT80 MCS0 | Left Side     | 0mm      | Ant 4+5 | WWAN+DBS            | 58  | 5290        | 12.29               | 13.50               | 1.321                  | 99.30        | 1.007                     | 0.09             | 0.005                   | 0.007                   |
|          | WLAN5.3GHz | 802.11ac-VHT80 MCS0 | Right Side    | 0mm      | Ant 4+5 | WWAN+DBS            | 58  | 5290        | 12.29               | 13.50               | 1.321                  | 99.30        | 1.007                     | -0.08            | 0.060                   | 0.080                   |
|          | WLAN5.3GHz | 802.11ac-VHT80 MCS0 | Top Side      | 0mm      | Ant 4+5 | WWAN+DBS            | 58  | 5290        | 12.29               | 13.50               | 1.321                  | 99.30        | 1.007                     | -0.06            | 0.143                   | 0.190                   |
|          | WLAN5.3GHz | 802.11a 6Mbps       | Back          | 0mm      | Ant 4+5 | Standalone&DBS only | 64  | 5320        | 19.93               | 21.00               | 1.279                  | 99.23        | 1.008                     | -0.15            | 0.361                   | 0.466                   |
|          | WLAN5.3GHz | 802.11a 6Mbps       | Left Side     | 0mm      | Ant 4+5 | Standalone&DBS only | 64  | 5320        | 19.93               | 21.00               | 1.279                  | 99.23        | 1.008                     | 0.04             | 0.033                   | 0.043                   |
|          | WLAN5.3GHz | 802.11a 6Mbps       | Right Side    | 0mm      | Ant 4+5 | Standalone&DBS only | 64  | 5320        | 19.93               | 21.00               | 1.279                  | 99.23        | 1.008                     | -0.18            | 0.292                   | 0.377                   |
|          | WLAN5.3GHz | 802.11a 6Mbps       | Top Side      | 0mm      | Ant 4+5 | Standalone&DBS only | 64  | 5320        | 19.93               | 21.00               | 1.279                  | 99.23        | 1.008                     | 0.11             | 0.691                   | 0.891                   |
|          | WLAN5.3GHz | 802.11a 6Mbps       | Front         | 5mm      | Ant 4+5 | Full Power          | 64  | 5320        | 19.93               | 21.00               | 1.279                  | 99.23        | 1.008                     | 0.09             | 0.468                   | 0.604                   |
|          | WLAN5.3GHz | 802.11ac-VHT80 MCS0 | Back          | 9mm      | Ant 4+5 | Full Power          | 64  | 5320        | 19.93               | 21.00               | 1.279                  | 99.30        | 1.007                     | 0.02             | 0.081                   | 0.104                   |
|          | WLAN5.3GHz | 802.11ac-VHT80 MCS0 | Right Side    | 6mm      | Ant 4+5 | Full Power          | 64  | 5320        | 19.93               | 21.00               | 1.279                  | 99.30        | 1.007                     | 0.05             | 0.359                   | 0.463                   |
|          | WLAN5.3GHz | 802.11ac-VHT80 MCS0 | Top Side      | 6mm      | Ant 4+5 | Full Power          | 64  | 5320        | 19.93               | 21.00               | 1.279                  | 99.30        | 1.007                     | -0.01            | 0.457                   | 0.589                   |
| 109      | WLAN5.5GHz | 802.11a 6Mbps       | Front         | 0mm      | Ant 4+5 | Standalone          | 140 | 5700        | 19.70               | 21.00               | 1.349                  | 99.23        | 1.008                     | 0.01             | 1.420                   | 1.931                   |
|          | WLAN5.5GHz | 802.11a 6Mbps       | Front         | 0mm      | Ant 4+5 | DBS only            | 140 | 5700        | 18.96               | 20.50               | 1.426                  | 99.23        | 1.008                     | -0.1             | 1.250                   | 1.796                   |
|          | WLAN5.5GHz | 802.11ac-VHT80 MCS0 | Front         | 0mm      | Ant 4+5 | WWAN+non DBS        | 106 | 5530        | 15.92               | 17.00               | 1.282                  | 99.30        | 1.007                     | -0.03            | 0.585                   | 0.755                   |
|          | WLAN5.5GHz | 802.11ac-VHT80 MCS0 | Back          | 0mm      | Ant 4+5 | WWAN+non DBS        | 106 | 5530        | 15.92               | 17.00               | 1.282                  | 99.30        | 1.007                     | -0.08            | 0.153                   | 0.198                   |
|          | WLAN5.5GHz | 802.11ac-VHT80 MCS0 | Left Side     | 0mm      | Ant 4+5 | WWAN+non DBS        | 106 | 5530        | 15.92               | 17.00               | 1.282                  | 99.30        | 1.007                     | 0.05             | 0.011                   | 0.014                   |
|          | WLAN5.5GHz | 802.11ac-VHT80 MCS0 | Right Side    | 0mm      | Ant 4+5 | WWAN+non DBS        | 106 | 5530        | 15.92               | 17.00               | 1.282                  | 99.30        | 1.007                     | 0.02             | 0.349                   | 0.451                   |



# FCC SAR Test Report

Report No. : FA202807-01

|     |            |                     |            |     |         |                     |     |      |       |       |       |       |       |       |       |       |
|-----|------------|---------------------|------------|-----|---------|---------------------|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|
|     | WLAN5.5GHz | 802.11ac-VHT80 MCS0 | Top Side   | 0mm | Ant 4+5 | WWAN+non DBS        | 106 | 5530 | 15.92 | 17.00 | 1.282 | 99.30 | 1.007 | -0.18 | 0.328 | 0.423 |
|     | WLAN5.5GHz | 802.11ac-VHT80 MCS0 | Front      | 0mm | Ant 4+5 | WWAN+DBS            | 106 | 5530 | 12.93 | 14.00 | 1.279 | 99.30 | 1.007 | -0.02 | 0.292 | 0.376 |
|     | WLAN5.5GHz | 802.11ac-VHT80 MCS0 | Back       | 0mm | Ant 4+5 | WWAN+DBS            | 106 | 5530 | 12.93 | 14.00 | 1.279 | 99.30 | 1.007 | 0.03  | 0.080 | 0.103 |
|     | WLAN5.5GHz | 802.11ac-VHT80 MCS0 | Left Side  | 0mm | Ant 4+5 | WWAN+DBS            | 106 | 5530 | 12.93 | 14.00 | 1.279 | 99.30 | 1.007 | 0.01  | 0.005 | 0.006 |
|     | WLAN5.5GHz | 802.11ac-VHT80 MCS0 | Right Side | 0mm | Ant 4+5 | WWAN+DBS            | 106 | 5530 | 12.93 | 14.00 | 1.279 | 99.30 | 1.007 | -0.16 | 0.185 | 0.239 |
|     | WLAN5.5GHz | 802.11ac-VHT80 MCS0 | Top Side   | 0mm | Ant 4+5 | WWAN+DBS            | 106 | 5530 | 12.93 | 14.00 | 1.279 | 99.30 | 1.007 | 0.01  | 0.173 | 0.223 |
|     | WLAN5.5GHz | 802.11a 6Mbps       | Back       | 0mm | Ant 4+5 | Standalone          | 140 | 5700 | 19.70 | 21.00 | 1.349 | 99.23 | 1.008 | -0.19 | 0.403 | 0.548 |
|     | WLAN5.5GHz | 802.11a 6Mbps       | Left Side  | 0mm | Ant 4+5 | Standalone          | 140 | 5700 | 19.70 | 21.00 | 1.349 | 99.23 | 1.008 | -0.12 | 0.027 | 0.037 |
|     | WLAN5.5GHz | 802.11a 6Mbps       | Right Side | 0mm | Ant 4+5 | Standalone          | 140 | 5700 | 19.70 | 21.00 | 1.349 | 99.23 | 1.008 | -0.17 | 0.894 | 1.216 |
|     | WLAN5.5GHz | 802.11a 6Mbps       | Top Side   | 0mm | Ant 4+5 | Standalone          | 140 | 5700 | 19.70 | 21.00 | 1.349 | 99.23 | 1.008 | -0.02 | 0.839 | 1.141 |
|     | WLAN5.5GHz | 802.11a 6Mbps       | Front      | 5mm | Ant 4+5 | Full Power          | 140 | 5700 | 19.70 | 21.00 | 1.349 | 99.23 | 1.008 | 0.09  | 0.535 | 0.727 |
|     | WLAN5.5GHz | 802.11a 6Mbps       | Back       | 9mm | Ant 4+5 | Full Power          | 140 | 5700 | 19.70 | 21.00 | 1.349 | 99.23 | 1.008 | 0.01  | 0.185 | 0.252 |
|     | WLAN5.5GHz | 802.11a 6Mbps       | Right Side | 6mm | Ant 4+5 | Full Power          | 140 | 5700 | 19.70 | 21.00 | 1.349 | 99.23 | 1.008 | 0.08  | 0.406 | 0.552 |
|     | WLAN5.5GHz | 802.11a 6Mbps       | Top Side   | 6mm | Ant 4+5 | Full Power          | 140 | 5700 | 19.70 | 21.00 | 1.349 | 99.23 | 1.008 | -0.02 | 0.498 | 0.677 |
| 110 | WLAN5.8GHz | 802.11a 6Mbps       | Front      | 0mm | Ant 4+5 | Standalone&DBS only | 149 | 5745 | 19.56 | 21.00 | 1.393 | 99.23 | 1.008 | 0.01  | 1.200 | 1.685 |
|     | WLAN5.8GHz | 802.11ac-VHT80 MCS0 | Front      | 0mm | Ant 4+5 | WWAN+non DBS        | 155 | 5775 | 14.96 | 16.50 | 1.426 | 99.30 | 1.007 | 0.06  | 0.552 | 0.792 |
|     | WLAN5.8GHz | 802.11ac-VHT80 MCS0 | Front      | 0mm | Ant 4+5 | WWAN+DBS            | 155 | 5775 | 11.56 | 13.00 | 1.393 | 99.30 | 1.007 | -0.01 | 0.265 | 0.372 |
|     | WLAN5.8GHz | 802.11a 6Mbps       | Front      | 5mm | Ant 4+5 | Full Power          | 149 | 5745 | 19.56 | 21.00 | 1.393 | 99.23 | 1.008 | 0.08  | 0.447 | 0.628 |

## 16.5 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      | FR1 n77_HPUE     | 100M     | QPSK       | 1       | 1         | DFT-SCS-30KHz       | Right Cheek   | 0mm      | Ant 2   | DSI 2       | 656000 | 3840        | 15.65               | 16.30               | 1.161                  | 50           | 1.000                     | -0.02            | 0.839                  | 1     | 0.974                  |
| 2nd      | FR1 n77_HPUE     | 100M     | QPSK       | 1       | 1         | DFT-SCS-30KHz       | Right Cheek   | 0mm      | Ant 2   | DSI 2       | 656000 | 3840        | 15.65               | 16.30               | 1.161                  | 50           | 1.000                     | 0.05             | 0.822                  | 1.021 | 0.955                  |
| 1st      | WLAN2.4GHz       | -        | -          | -       | -         | 802.11b 1Mbps       | Left Tilted   | 0mm      | Ant 3+6 | Standalone  | 6      | 2437        | 19.16               | 20.00               | 1.213                  | 97.94        | 1.021                     | -0.02            | 1.130                  | 1     | 1.400                  |
| 2nd      | WLAN2.4GHz       | -        | -          | -       | -         | 802.11b 1Mbps       | Left Tilted   | 0mm      | Ant 3+6 | Standalone  | 6      | 2437        | 19.16               | 20.00               | 1.213                  | 97.94        | 1.021                     | 0.13             | 1.110                  | 1.018 | 1.375                  |
| 1st      | WLAN5.3GHz       | -        | -          | -       | -         | 802.11ac-VHT80 MCS0 | Left Cheek    | 0mm      | Ant 4+5 | Standalone  | 58     | 5290        | 16.32               | 17.50               | 1.312                  | 99.30        | 1.007                     | -0.12            | 0.847                  | 1     | 1.119                  |
| 2nd      | WLAN5.3GHz       | -        | -          | -       | -         | 802.11ac-VHT80 MCS0 | Left Cheek    | 0mm      | Ant 4+5 | Standalone  | 58     | 5290        | 16.32               | 17.50               | 1.312                  | 99.30        | 1.007                     | 0.13             | 0.840                  | 1.008 | 1.110                  |
| 1st      | WLAN5.5GHz       | -        | -          | -       | -         | 802.11ac-VHT80 MCS0 | Left Cheek    | 0mm      | Ant 4+5 | Standalone  | 106    | 5530        | 15.92               | 17.00               | 1.282                  | 99.30        | 1.007                     | 0.06             | 0.875                  | 1     | 1.130                  |
| 2nd      | WLAN5.5GHz       | -        | -          | -       | -         | 802.11ac-VHT80 MCS0 | Left Cheek    | 0mm      | Ant 4+5 | Standalone  | 106    | 5530        | 15.92               | 17.00               | 1.282                  | 99.30        | 1.007                     | -0.03            | 0.871                  | 1.005 | 1.125                  |
| 1st      | WLAN5.8GHz       | -        | -          | -       | -         | 802.11ac-VHT80 MCS0 | Left Cheek    | 0mm      | Ant 4+5 | Standalone  | 155    | 5775        | 14.60               | 16.00               | 1.380                  | 99.3         | 1.007                     | -0.03            | 0.862                  | 1     | 1.198                  |
| 2nd      | WLAN5.8GHz       | -        | -          | -       | -         | 802.11ac-VHT80 MCS0 | Left Cheek    | 0mm      | Ant 4+5 | Standalone  | 155    | 5775        | 14.60               | 16.00               | 1.380                  | 99.3         | 1.007                     | -0.02            | 0.857                  | 1.006 | 1.191                  |
| 1st      | GSM850           | -        | -          | -       | -         | GPRS (4 Tx slots)   | Front         | 5mm      | Ant 0   | DSI 3       | 251    | 848.8       | 27.15               | 27.80               | 1.161                  | -            | -                         | 0.04             | 1.020                  | 1     | 1.185                  |
| 2nd      | GSM850           | -        | -          | -       | -         | GPRS (4 Tx slots)   | Front         | 5mm      | Ant 0   | DSI 3       | 251    | 848.8       | 27.15               | 27.80               | 1.161                  | -            | -                         | 0.04             | 0.985                  | 1.036 | 1.144                  |
| 1st      | LTE Band 66      | 20M      | QPSK       | 1       | 0         | -                   | Bottom Side   | 5mm      | Ant 0   | DSI 3       | 132322 | 1745        | 14.81               | 16.10               | 1.346                  | -            | -                         | 0.03             | 0.932                  | 1     | 1.254                  |
| 2nd      | LTE Band 66      | 20M      | QPSK       | 1       | 0         | -                   | Bottom Side   | 5mm      | Ant 0   | DSI 3       | 132322 | 1745        | 14.81               | 16.10               | 1.346                  | -            | -                         | 0.05             | 0.911                  | 1.023 | 1.226                  |
| 1st      | WCDMA II         | -        | -          | -       | -         | RMC 12.2Kbps        | Bottom Side   | 5mm      | Ant 0   | DSI 3       | 9538   | 1907.6      | 14.09               | 14.80               | 1.178                  | -            | -                         | -0.04            | 1.050                  | 1     | 1.236                  |
| 2nd      | WCDMA II         | -        | -          | -       | -         | RMC 12.2Kbps        | Bottom Side   | 5mm      | Ant 0   | DSI 3       | 9538   | 1907.6      | 14.09               | 14.80               | 1.178                  | -            | -                         | 0.03             | 1.020                  | 1.029 | 1.201                  |
| 1st      | LTE Band 41_HPUE | 20M      | QPSK       | 1       | 0         | -                   | Back          | 5mm      | Ant 0   | DSI 3       | 41490  | 2680        | 21.45               | 22.20               | 1.189                  | 42.9         | 1.009                     | -0.06            | 1.050                  | 1     | 1.259                  |
| 2nd      | LTE Band 41_HPUE | 20M      | QPSK       | 1       | 0         | -                   | Back          | 5mm      | Ant 0   | DSI 3       | 41490  | 2680        | 21.45               | 22.20               | 1.189                  | 42.9         | 1.009                     | 0.01             | 1.010                  | 1.040 | 1.211                  |
| 1st      | FR1 n77          | 100M     | QPSK       | 1       | 1         | DFT-SCS-30KHz       | Left Side     | 5mm      | Ant 7   | DSI 3       | 633334 | 3500.01     | 18.21               | 19.50               | 1.346                  | -            | -                         | 0.06             | 0.920                  | 1     | 1.238                  |
| 2nd      | FR1 n77          | 100M     | QPSK       | 1       | 1         | DFT-SCS-30KHz       | Left Side     | 5mm      | Ant 7   | DSI 3       | 633334 | 3500.01     | 18.21               | 19.50               | 1.346                  | -            | -                         | -0.12            | 0.900                  | 1.022 | 1.211                  |
| 1st      | LTE Band 14      | 10M      | QPSK       | 1       | 0         | -                   | Front         | 5mm      | Ant 0   | DSI 3       | 23330  | 793         | 23.07               | 24.00               | 1.239                  | -            | -                         | -0.04            | 0.971                  | 1     | 1.203                  |
| 2nd      | LTE Band 14      | 10M      | QPSK       | 1       | 0         | -                   | Front         | 5mm      | Ant 0   | DSI 3       | 23330  | 793         | 23.07               | 24.00               | 1.239                  | -            | -                         | -0.14            | 0.966                  | 1.005 | 1.197                  |

<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      | LTE Band 12 | 10M      | QPSK       | 1       | 0         | -             | Top Side      | 0mm      | Ant 1   | DSI 6       | 23095  | 707.5       | 21.96               | 22.80               | 1.213                  | -            | -                         | 0.09             | 2.200                   | 1     | 2.669                   |
| 2nd      | LTE Band 12 | 10M      | QPSK       | 1       | 0         | -             | Top Side      | 0mm      | Ant 1   | DSI 6       | 23095  | 707.5       | 21.96               | 22.80               | 1.213                  | -            | -                         | -0.04            | 2.110                   | 1.043 | 2.560                   |
| 1st      | WCDMA V     | -        | -          | -       | -         | RMC 12.2Kbps  | Front         | 0mm      | Ant 0   | DSI 6       | 4182   | 836.4       | 23.23               | 24.00               | 1.194                  | -            | -                         | -0.08            | 2.230                   | 1     | 2.663                   |
| 2nd      | WCDMA V     | -        | -          | -       | -         | RMC 12.2Kbps  | Front         | 0mm      | Ant 0   | DSI 6       | 4182   | 836.4       | 23.23               | 24.00               | 1.194                  | -            | -                         | 0.08             | 2.200                   | 1.014 | 2.627                   |
| 1st      | WCDMA IV    | -        | -          | -       | -         | RMC 12.2Kbps  | Front         | 0mm      | Ant 0   | DSI 6       | 1513   | 1752.6      | 20.10               | 20.80               | 1.175                  | -            | -                         | -0.1             | 2.340                   | 1     | 2.749                   |
| 2nd      | WCDMA IV    | -        | -          | -       | -         | RMC 12.2Kbps  | Front         | 0mm      | Ant 0   | DSI 6       | 1513   | 1752.6      | 20.10               | 20.80               | 1.175                  | -            | -                         | 0.05             | 2.310                   | 1.013 | 2.714                   |
| 1st      | FR1 n2      | 20M      | QPSK       | 1       | 1         | DFT-SCS-15KHz | Front         | 0mm      | Ant 0   | DSI 6       | 376000 | 1880        | 20.96               | 21.80               | 1.213                  | -            | -                         | 0.09             | 2.260                   | 1     | 2.742                   |
| 2nd      | FR1 n2      | 20M      | QPSK       | 1       | 1         | DFT-SCS-15KHz | Front         | 0mm      | Ant 0   | DSI 6       | 376000 | 1880        | 20.96               | 21.80               | 1.213                  | -            | -                         | -0.18            | 2.250                   | 1.004 | 2.730                   |
| 1st      | LTE Band 41 | 20M      | QPSK       | 1       | 0         | -             | Back          | 0mm      | Ant 0   | DSI 6       | 41055  | 2636.5      | 22.40               | 23.20               | 1.202                  | 62.9         | 1.006                     | -0.08            | 2.250                   | 1     | 2.721                   |
| 2nd      | LTE Band 41 | 20M      | QPSK       | 1       | 0         | -             | Back          | 0mm      | Ant 0   | DSI 6       | 41055  | 2636.5      | 22.40               | 23.20               | 1.202                  | 62.9         | 1.006                     | 0.06             | 2.220                   | 1.014 | 2.685                   |
| 1st      | FR1 n48     | 40M      | QPSK       | 1       | 1         | DFT-SCS-30KHz | Left Side     | 0mm      | Ant 2   | DSI 6       | 645332 | 3679.98     | 16.19               | 17.40               | 1.321                  | -            | -                         | 0.02             | 2.080                   | 1     | 2.748                   |
| 2nd      | FR1 n48     | 40M      | QPSK       | 1       | 1         | DFT-SCS-30KHz | Left Side     | 0mm      | Ant 2   | DSI 6       | 645332 | 3679.98     | 16.19               | 17.40               | 1.321                  | -            | -                         | -0.01            | 2.000                   | 1.040 | 2.643                   |
| 1st      | FR1 n77     | 100M     | QPSK       | 1       | 1         | DFT-SCS-30KHz | Left Side     | 0mm      | Ant 2   | DSI 6       | 656000 | 3840        | 16.68               | 17.60               | 1.236                  | -            | -                         | 0.01             | 2.190                   | 1     | 2.707                   |
| 2nd      | FR1 n77     | 100M     | QPSK       | 1       | 1         | DFT-SCS-30KHz | Left Side     | 0mm      | Ant 2   | DSI 6       | 656000 | 3840        | 16.68               | 17.60               | 1.236                  | -            | -                         | -0.01            | 2.150                   | 1.019 | 2.657                   |
| 1st      | FR1 n77     | 100M     | QPSK       | 270     | 0         | DFT-SCS-30KHz | Front         | 0mm      | Ant 4   | DSI 6       | 633334 | 3500.01     | 19.38               | 20.70               | 1.355                  | -            | -                         | 0.09             | 2.040                   | 1     | 2.765                   |
| 2nd      | FR1 n77     | 100M     | QPSK       | 270     | 0         | DFT-SCS-30KHz | Front         | 0mm      | Ant 4   | DSI 6       | 633334 | 3500.01     | 19.38               | 20.70               | 1.355                  | -            | -                         | 0.14             | 2.000                   | 1.020 | 2.710                   |

### General Note:

1. Per KDB 865664 D01v01r04, for each frequency band, repeated SAR measurement is required only when the measured SAR is  $\geq 0.8$ W/kg.
2. 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.
3. 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.
4. The ratio is the difference in percentage between original and repeated *measured SAR*.
5. All measurement SAR result is scaled-up to account for tune-up tolerance and is compliant.



## 16.6 TDD LTE and NR Linearity Data Analysis

### General Note:

This device support Power Class 2 and Power Class 3 operations for LTE Band 41/5G NR n41/n77. 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 0-Linearity Data for Head          |                                |                                |
|----------------------------------------------------------|--------------------------------|--------------------------------|
|                                                          | LTE Band 41<br>(Power Class 3) | LTE Band 41<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                              | 24.00                          | 27.00                          |
| Reported 1g SAR (W/kg)                                   | 0.068                          | 0.098                          |
| Duty Cycle                                               | 63.30%                         | 43.30%                         |
| Frame Averaged (mW)                                      | 159.00                         | 217.01                         |
| Linearity SAR (W/kg)                                     | 0.093                          |                                |
| % deviation from expected linearity                      |                                | 5.59%                          |
| LTE Band 41(HPUE) Ant 0-Linearity Data for Body-worn     |                                |                                |
|                                                          | LTE Band 41<br>(Power Class 3) | LTE Band 41<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                              | 20.60                          | 22.20                          |
| Reported 1g SAR (W/kg)                                   | 1.220                          | 1.259                          |
| Duty Cycle                                               | 63.30%                         | 43.30%                         |
| Frame Averaged (mW)                                      | 72.68                          | 71.86                          |
| Linearity SAR (W/kg)                                     | 1.206                          |                                |
| % deviation from expected linearity                      |                                | 4.37%                          |
| LTE Band 41(HPUE) Ant 0-Linearity Data for Hotspot       |                                |                                |
|                                                          | LTE Band 41<br>(Power Class 3) | LTE Band 41<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                              | 20.60                          | 22.20                          |
| Reported 1g SAR (W/kg)                                   | 1.220                          | 1.259                          |
| Duty Cycle                                               | 63.30%                         | 43.30%                         |
| Frame Averaged (mW)                                      | 72.68                          | 71.86                          |
| Linearity SAR (W/kg)                                     | 1.206                          |                                |
| % deviation from expected linearity                      |                                | 4.37%                          |
| LTE Band 41(HPUE) Ant 0-Linearity Data for Extremity SAR |                                |                                |
|                                                          | LTE Band 41<br>(Power Class 3) | LTE Band 41<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                              | 23.20                          | 24.80                          |
| Reported 10g SAR (W/kg)                                  | 2.721                          | 2.681                          |
| Duty Cycle                                               | 63.30%                         | 43.30%                         |
| Frame Averaged (mW)                                      | 132.25                         | 130.76                         |
| Linearity SAR (W/kg)                                     | 2.690                          |                                |
| % deviation from expected linearity                      |                                | -0.35%                         |

| LTE Band 41(HPUE) Ant 1-Linearity Data for Head          |                                |                                |
|----------------------------------------------------------|--------------------------------|--------------------------------|
|                                                          | LTE Band 41<br>(Power Class 3) | LTE Band 41<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                              | 18.30                          | 19.90                          |
| Reported 1g SAR (W/kg)                                   | 0.990                          | 0.947                          |
| Duty Cycle                                               | 63.30%                         | 43.30%                         |
| Frame Averaged (mW)                                      | 42.80                          | 42.31                          |
| Linearity SAR (W/kg)                                     | 0.979                          |                                |
| % deviation from expected linearity                      |                                | -3.25%                         |
| LTE Band 41(HPUE) Ant 1-Linearity Data for Body-worn     |                                |                                |
|                                                          | LTE Band 41<br>(Power Class 3) | LTE Band 41<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                              | 19.30                          | 20.90                          |
| Reported 1g SAR (W/kg)                                   | 0.691                          | 0.649                          |
| Duty Cycle                                               | 63.30%                         | 43.30%                         |
| Frame Averaged (mW)                                      | 53.88                          | 53.27                          |
| Linearity SAR (W/kg)                                     | 0.683                          |                                |
| % deviation from expected linearity                      |                                | -5.01%                         |
| LTE Band 41(HPUE) Ant 1-Linearity Data for Hotspot       |                                |                                |
|                                                          | LTE Band 41<br>(Power Class 3) | LTE Band 41<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                              | 19.30                          | 20.90                          |
| Reported 1g SAR (W/kg)                                   | 0.987                          | 0.978                          |
| Duty Cycle                                               | 63.30%                         | 43.30%                         |
| Frame Averaged (mW)                                      | 53.88                          | 53.27                          |
| Linearity SAR (W/kg)                                     | 0.976                          |                                |
| % deviation from expected linearity                      |                                | 0.22%                          |
| LTE Band 41(HPUE) Ant 1-Linearity Data for Extremity SAR |                                |                                |
|                                                          | LTE Band 41<br>(Power Class 3) | LTE Band 41<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                              | 23.00                          | 24.60                          |
| Reported 10g SAR (W/kg)                                  | 2.624                          | 2.372                          |
| Duty Cycle                                               | 63.30%                         | 43.30%                         |
| Frame Averaged (mW)                                      | 126.30                         | 124.88                         |
| Linearity SAR (W/kg)                                     | 2.594                          |                                |
| % deviation from expected linearity                      |                                | -8.57%                         |

| FR1 N41(HPUE) Ant 0-Linearity Data for Head          |                            |                            |
|------------------------------------------------------|----------------------------|----------------------------|
|                                                      | FR1 N41<br>(Power Class 3) | FR1 N41<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                          | 24.00                      | 26.00                      |
| Reported 1g SAR (W/kg)                               | 0.095                      | 0.072                      |
| Duty Cycle                                           | 100.00%                    | 50.00%                     |
| Frame Averaged (mW)                                  | 251.19                     | 199.05                     |
| Linearity SAR (W/kg)                                 | 0.075                      |                            |
| % deviation from expected linearity                  |                            | -4.36%                     |
| FR1 N41(HPUE) Ant 0-Linearity Data for Body-worn     |                            |                            |
|                                                      | FR1 N41<br>(Power Class 3) | FR1 N41<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                          | 19.90                      | 22.90                      |
| Reported 1g SAR (W/kg)                               | 1.127                      | 1.211                      |
| Duty Cycle                                           | 100.00%                    | 50.00%                     |
| Frame Averaged (mW)                                  | 97.72                      | 97.49                      |
| Linearity SAR (W/kg)                                 | 1.124                      |                            |
| % deviation from expected linearity                  |                            | 7.71%                      |
| FR1 N41(HPUE) Ant 0-Linearity Data for Hotspot       |                            |                            |
|                                                      | FR1 N41<br>(Power Class 3) | FR1 N41<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                          | 19.90                      | 22.90                      |
| Reported 1g SAR (W/kg)                               | 1.248                      | 1.176                      |
| Duty Cycle                                           | 100.00%                    | 50.00%                     |
| Frame Averaged (mW)                                  | 97.72                      | 97.49                      |
| Linearity SAR (W/kg)                                 | 1.245                      |                            |
| % deviation from expected linearity                  |                            | -5.55%                     |
| FR1 N41(HPUE) Ant 0-Linearity Data for Extremity SAR |                            |                            |
|                                                      | FR1 N41<br>(Power Class 3) | FR1 N41<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                          | 22.10                      | 25.10                      |
| Reported 10g SAR (W/kg)                              | 2.756                      | 2.626                      |
| Duty Cycle                                           | 100.00%                    | 50.00%                     |
| Frame Averaged (mW)                                  | 162.18                     | 161.80                     |
| Linearity SAR (W/kg)                                 | 2.749                      |                            |
| % deviation from expected linearity                  |                            | -4.49%                     |

| FR1 N41(HPUE) Ant 1-Linearity Data for Head          |                            |                            |
|------------------------------------------------------|----------------------------|----------------------------|
|                                                      | FR1 N41<br>(Power Class 3) | FR1 N41<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                          | 15.70                      | 18.70                      |
| Reported 1g SAR (W/kg)                               | 0.954                      | 0.981                      |
| Duty Cycle                                           | 100.00%                    | 50.00%                     |
| Frame Averaged (mW)                                  | 37.15                      | 37.07                      |
| Linearity SAR (W/kg)                                 | 0.952                      |                            |
| % deviation from expected linearity                  |                            | 3.07%                      |
| FR1 N41(HPUE) Ant 1-Linearity Data for Body-worn     |                            |                            |
|                                                      | FR1 N41<br>(Power Class 3) | FR1 N41<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                          | 16.40                      | 19.40                      |
| Reported 1g SAR (W/kg)                               | 0.582                      | 0.574                      |
| Duty Cycle                                           | 100.00%                    | 50.00%                     |
| Frame Averaged (mW)                                  | 43.65                      | 43.55                      |
| Linearity SAR (W/kg)                                 | 0.581                      |                            |
| % deviation from expected linearity                  |                            | -1.14%                     |
| FR1 N41(HPUE) Ant 1-Linearity Data for Hotspot       |                            |                            |
|                                                      | FR1 N41<br>(Power Class 3) | FR1 N41<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                          | 16.40                      | 19.40                      |
| Reported 1g SAR (W/kg)                               | 0.949                      | 0.980                      |
| Duty Cycle                                           | 100.00%                    | 50.00%                     |
| Frame Averaged (mW)                                  | 43.65                      | 43.55                      |
| Linearity SAR (W/kg)                                 | 0.947                      |                            |
| % deviation from expected linearity                  |                            | 3.51%                      |
| FR1 N41(HPUE) Ant 1-Linearity Data for Extremity SAR |                            |                            |
|                                                      | FR1 N41<br>(Power Class 3) | FR1 N41<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                          | 21.10                      | 24.10                      |
| Reported 10g SAR (W/kg)                              | 2.724                      | 2.498                      |
| Duty Cycle                                           | 100.00%                    | 50.00%                     |
| Frame Averaged (mW)                                  | 128.82                     | 128.52                     |
| Linearity SAR (W/kg)                                 | 2.718                      |                            |
| % deviation from expected linearity                  |                            | -8.08%                     |

| FR1 N41(HPUE) Ant 2-Linearity Data for Head          |                            |                            |
|------------------------------------------------------|----------------------------|----------------------------|
|                                                      | FR1 N41<br>(Power Class 3) | FR1 N41<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                          | 17.40                      | 20.40                      |
| Reported 1g SAR (W/kg)                               | 0.974                      | 0.952                      |
| Duty Cycle                                           | 100.00%                    | 50.00%                     |
| Frame Averaged (mW)                                  | 54.95                      | 54.82                      |
| Linearity SAR (W/kg)                                 | 0.972                      |                            |
| % deviation from expected linearity                  |                            | -2.03%                     |
| FR1 N41(HPUE) Ant 2-Linearity Data for Body-worn     |                            |                            |
|                                                      | FR1 N41<br>(Power Class 3) | FR1 N41<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                          | 17.20                      | 20.20                      |
| Reported 1g SAR (W/kg)                               | 0.412                      | 0.445                      |
| Duty Cycle                                           | 100.00%                    | 50.00%                     |
| Frame Averaged (mW)                                  | 52.48                      | 52.36                      |
| Linearity SAR (W/kg)                                 | 0.411                      |                            |
| % deviation from expected linearity                  |                            | 8.27%                      |
| FR1 N41(HPUE) Ant 2-Linearity Data for Hotspot       |                            |                            |
|                                                      | FR1 N41<br>(Power Class 3) | FR1 N41<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                          | 17.20                      | 20.20                      |
| Reported 1g SAR (W/kg)                               | 0.980                      | 0.964                      |
| Duty Cycle                                           | 100.00%                    | 50.00%                     |
| Frame Averaged (mW)                                  | 52.48                      | 52.36                      |
| Linearity SAR (W/kg)                                 | 0.978                      |                            |
| % deviation from expected linearity                  |                            | -1.40%                     |
| FR1 N41(HPUE) Ant 2-Linearity Data for Extremity SAR |                            |                            |
|                                                      | FR1 N41<br>(Power Class 3) | FR1 N41<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                          | 21.00                      | 24.00                      |
| Reported 10g SAR (W/kg)                              | 2.718                      | 2.652                      |
| Duty Cycle                                           | 100.00%                    | 50.00%                     |
| Frame Averaged (mW)                                  | 125.89                     | 125.59                     |
| Linearity SAR (W/kg)                                 | 2.712                      |                            |
| % deviation from expected linearity                  |                            | -2.20%                     |

| FR1 N41(HPUE) Ant 7-Linearity Data for Head          |                            |                            |
|------------------------------------------------------|----------------------------|----------------------------|
|                                                      | FR1 N41<br>(Power Class 3) | FR1 N41<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                          | 24.00                      | 27.00                      |
| Reported 1g SAR (W/kg)                               | 0.352                      | 0.324                      |
| Duty Cycle                                           | 100.00%                    | 50.00%                     |
| Frame Averaged (mW)                                  | 251.19                     | 250.59                     |
| Linearity SAR (W/kg)                                 | 0.351                      |                            |
| % deviation from expected linearity                  |                            | -7.74%                     |
| FR1 N41(HPUE) Ant 7-Linearity Data for Body-worn     |                            |                            |
|                                                      | FR1 N41<br>(Power Class 3) | FR1 N41<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                          | 20.30                      | 23.30                      |
| Reported 1g SAR (W/kg)                               | 0.593                      | 0.548                      |
| Duty Cycle                                           | 100.00%                    | 50.00%                     |
| Frame Averaged (mW)                                  | 107.15                     | 106.90                     |
| Linearity SAR (W/kg)                                 | 0.592                      |                            |
| % deviation from expected linearity                  |                            | -7.37%                     |
| FR1 N41(HPUE) Ant 7-Linearity Data for Hotspot       |                            |                            |
|                                                      | FR1 N41<br>(Power Class 3) | FR1 N41<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                          | 20.30                      | 23.30                      |
| Reported 1g SAR (W/kg)                               | 1.235                      | 1.167                      |
| Duty Cycle                                           | 100.00%                    | 50.00%                     |
| Frame Averaged (mW)                                  | 107.15                     | 106.90                     |
| Linearity SAR (W/kg)                                 | 1.232                      |                            |
| % deviation from expected linearity                  |                            | -5.28%                     |
| FR1 N41(HPUE) Ant 7-Linearity Data for Extremity SAR |                            |                            |
|                                                      | FR1 N41<br>(Power Class 3) | FR1 N41<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                          | 20.30                      | 23.30                      |
| Reported 10g SAR (W/kg)                              | 2.545                      | 2.642                      |
| Duty Cycle                                           | 100.00%                    | 50.00%                     |
| Frame Averaged (mW)                                  | 107.15                     | 106.90                     |
| Linearity SAR (W/kg)                                 | 2.539                      |                            |
| % deviation from expected linearity                  |                            | 4.06%                      |



| FR1 N770(HPUE) Ant 2-Linearity Data for Head          |                            |                            |
|-------------------------------------------------------|----------------------------|----------------------------|
|                                                       | FR1 N77<br>(Power Class 3) | FR1 N77<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                           | 13.30                      | 16.30                      |
| Reported 1g SAR (W/kg)                                | 0.916                      | 0.974                      |
| Duty Cycle                                            | 100.00%                    | 50.00%                     |
| Frame Averaged (mW)                                   | 21.38                      | 21.33                      |
| Linearity SAR (W/kg)                                  | 0.914                      |                            |
| % deviation from expected linearity                   |                            | 6.58%                      |
| FR1 N77Q(HPUE) Ant 2-Linearity Data for Head          |                            |                            |
|                                                       | FR1 N77<br>(Power Class 3) | FR1 N77<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                           | 13.30                      | 16.30                      |
| Reported 1g SAR (W/kg)                                | 0.558                      | 0.575                      |
| Duty Cycle                                            | 100.00%                    | 50.00%                     |
| Frame Averaged (mW)                                   | 21.38                      | 21.33                      |
| Linearity SAR (W/kg)                                  | 0.557                      |                            |
| % deviation from expected linearity                   |                            | 3.29%                      |
| FR1 N770(HPUE) Ant 2-Linearity Data for Body-worn     |                            |                            |
|                                                       | FR1 N77<br>(Power Class 3) | FR1 N77<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                           | 12.90                      | 15.90                      |
| Reported 1g SAR (W/kg)                                | 0.345                      | 0.351                      |
| Duty Cycle                                            | 100.00%                    | 50.00%                     |
| Frame Averaged (mW)                                   | 19.50                      | 19.45                      |
| Linearity SAR (W/kg)                                  | 0.344                      |                            |
| % deviation from expected linearity                   |                            | 1.98%                      |
| FR1 N77Q(HPUE) Ant 2-Linearity Data for Body-worn     |                            |                            |
|                                                       | FR1 N77<br>(Power Class 3) | FR1 N77<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                           | 12.90                      | 15.90                      |
| Reported 1g SAR (W/kg)                                | 0.226                      | 0.245                      |
| Duty Cycle                                            | 100.00%                    | 50.00%                     |
| Frame Averaged (mW)                                   | 19.50                      | 19.45                      |
| Linearity SAR (W/kg)                                  | 0.225                      |                            |
| % deviation from expected linearity                   |                            | 8.66%                      |
| FR1 N770(HPUE) Ant 2-Linearity Data for Hotspot       |                            |                            |
|                                                       | FR1 N77<br>(Power Class 3) | FR1 N77<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                           | 12.90                      | 15.90                      |
| Reported 1g SAR (W/kg)                                | 0.978                      | 0.959                      |
| Duty Cycle                                            | 100.00%                    | 50.00%                     |
| Frame Averaged (mW)                                   | 19.50                      | 19.45                      |
| Linearity SAR (W/kg)                                  | 0.976                      |                            |
| % deviation from expected linearity                   |                            | -1.71%                     |
| FR1 N77Q(HPUE) Ant 2-Linearity Data for Hotspot       |                            |                            |
|                                                       | FR1 N77<br>(Power Class 3) | FR1 N77<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                           | 12.90                      | 15.90                      |
| Reported 1g SAR (W/kg)                                | 0.513                      | 0.555                      |
| Duty Cycle                                            | 100.00%                    | 50.00%                     |
| Frame Averaged (mW)                                   | 19.50                      | 19.45                      |
| Linearity SAR (W/kg)                                  | 0.512                      |                            |
| % deviation from expected linearity                   |                            | 8.44%                      |
| FR1 N770(HPUE) Ant 2-Linearity Data for Extremity SAR |                            |                            |
|                                                       | FR1 N77<br>(Power Class 3) | FR1 N77<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                           | 17.60                      | 20.60                      |
| Reported 10g SAR (W/kg)                               | 2.707                      | 2.437                      |

| FR1 N770(HPUE) Ant 4-Linearity Data for Head          |                            |                            |
|-------------------------------------------------------|----------------------------|----------------------------|
|                                                       | FR1 N77<br>(Power Class 3) | FR1 N77<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                           | 15.20                      | 18.20                      |
| Reported 1g SAR (W/kg)                                | 0.985                      | 0.914                      |
| Duty Cycle                                            | 100.00%                    | 50.00%                     |
| Frame Averaged (mW)                                   | 33.11                      | 33.03                      |
| Linearity SAR (W/kg)                                  | 0.983                      |                            |
| % deviation from expected linearity                   |                            | -6.99%                     |
| FR1 N77Q(HPUE) Ant 4-Linearity Data for Head          |                            |                            |
|                                                       | FR1 N77<br>(Power Class 3) | FR1 N77<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                           | 15.20                      | 18.20                      |
| Reported 1g SAR (W/kg)                                | 0.800                      | 0.823                      |
| Duty Cycle                                            | 100.00%                    | 50.00%                     |
| Frame Averaged (mW)                                   | 33.11                      | 33.03                      |
| Linearity SAR (W/kg)                                  | 0.798                      |                            |
| % deviation from expected linearity                   |                            | 3.12%                      |
| FR1 N770(HPUE) Ant 4-Linearity Data for Body-worn     |                            |                            |
|                                                       | FR1 N77<br>(Power Class 3) | FR1 N77<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                           | 16.60                      | 19.60                      |
| Reported 1g SAR (W/kg)                                | 0.457                      | 0.451                      |
| Duty Cycle                                            | 100.00%                    | 50.00%                     |
| Frame Averaged (mW)                                   | 45.71                      | 45.60                      |
| Linearity SAR (W/kg)                                  | 0.456                      |                            |
| % deviation from expected linearity                   |                            | -1.08%                     |
| FR1 N77Q(HPUE) Ant 4-Linearity Data for Body-worn     |                            |                            |
|                                                       | FR1 N77<br>(Power Class 3) | FR1 N77<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                           | 16.60                      | 19.60                      |
| Reported 1g SAR (W/kg)                                | 0.347                      | 0.333                      |
| Duty Cycle                                            | 100.00%                    | 50.00%                     |
| Frame Averaged (mW)                                   | 45.71                      | 45.60                      |
| Linearity SAR (W/kg)                                  | 0.346                      |                            |
| % deviation from expected linearity                   |                            | -3.81%                     |
| FR1 N770(HPUE) Ant 4-Linearity Data for Hotspot       |                            |                            |
|                                                       | FR1 N77<br>(Power Class 3) | FR1 N77<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                           | 16.60                      | 19.60                      |
| Reported 1g SAR (W/kg)                                | 0.981                      | 0.882                      |
| Duty Cycle                                            | 100.00%                    | 50.00%                     |
| Frame Averaged (mW)                                   | 45.71                      | 45.60                      |
| Linearity SAR (W/kg)                                  | 0.979                      |                            |
| % deviation from expected linearity                   |                            | -9.88%                     |
| FR1 N77Q(HPUE) Ant 4-Linearity Data for Hotspot       |                            |                            |
|                                                       | FR1 N77<br>(Power Class 3) | FR1 N77<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                           | 16.60                      | 19.60                      |
| Reported 1g SAR (W/kg)                                | 0.702                      | 0.686                      |
| Duty Cycle                                            | 100.00%                    | 50.00%                     |
| Frame Averaged (mW)                                   | 45.71                      | 45.60                      |
| Linearity SAR (W/kg)                                  | 0.700                      |                            |
| % deviation from expected linearity                   |                            | -2.05%                     |
| FR1 N770(HPUE) Ant 4-Linearity Data for Extremity SAR |                            |                            |
|                                                       | FR1 N77<br>(Power Class 3) | FR1 N77<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                           | 20.70                      | 23.70                      |
| Reported 10g SAR (W/kg)                               | 2.721                      | 2.631                      |



# FCC SAR Test Report

Report No. : FA202807-01

|                                                       |                            |                            |
|-------------------------------------------------------|----------------------------|----------------------------|
| Duty Cycle                                            | 100.00%                    | 50.00%                     |
| Frame Averaged (mW)                                   | 57.54                      | 57.41                      |
| Linearity SAR (W/kg)                                  | 2.701                      |                            |
| % deviation from expected linearity                   |                            | -9.76%                     |
| FR1 N77Q(HPUE) Ant 2-Linearity Data for Extremity SAR |                            |                            |
|                                                       | FR1 N77<br>(Power Class 3) | FR1 N77<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                           | 17.60                      | 20.60                      |
| Reported 10g SAR (W/kg)                               | 1.263                      | 1.257                      |
| Duty Cycle                                            | 100.00%                    | 50.00%                     |
| Frame Averaged (mW)                                   | 57.54                      | 57.41                      |
| Linearity SAR (W/kg)                                  | 1.260                      |                            |
| % deviation from expected linearity                   |                            | -0.24%                     |

|                                                       |                            |                            |
|-------------------------------------------------------|----------------------------|----------------------------|
| Duty Cycle                                            | 100.00%                    | 50.00%                     |
| Frame Averaged (mW)                                   | 117.49                     | 117.21                     |
| Linearity SAR (W/kg)                                  | 2.715                      |                            |
| % deviation from expected linearity                   |                            | -3.08%                     |
| FR1 N77Q(HPUE) Ant 4-Linearity Data for Extremity SAR |                            |                            |
|                                                       | FR1 N77<br>(Power Class 3) | FR1 N77<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                           | 20.70                      | 23.70                      |
| Reported 10g SAR (W/kg)                               | 2.765                      | 2.666                      |
| Duty Cycle                                            | 100.00%                    | 50.00%                     |
| Frame Averaged (mW)                                   | 117.49                     | 117.21                     |
| Linearity SAR (W/kg)                                  | 2.758                      |                            |
| % deviation from expected linearity                   |                            | -3.35%                     |

|                                                   |                            |                            |
|---------------------------------------------------|----------------------------|----------------------------|
| FR1 N77O(HPUE) Ant 5-Linearity Data for Head      |                            |                            |
|                                                   | FR1 N77<br>(Power Class 3) | FR1 N77<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                       | 14.50                      | 17.50                      |
| Reported 1g SAR (W/kg)                            | 0.974                      | 0.910                      |
| Duty Cycle                                        | 100.00%                    | 50.00%                     |
| Frame Averaged (mW)                               | 28.18                      | 28.12                      |
| Linearity SAR (W/kg)                              | 0.972                      |                            |
| % deviation from expected linearity               |                            | -6.35%                     |
| FR1 N77Q(HPUE) Ant 5-Linearity Data for Head      |                            |                            |
|                                                   | FR1 N77<br>(Power Class 3) | FR1 N77<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                       | 14.50                      | 17.50                      |
| Reported 1g SAR (W/kg)                            | 0.713                      | 0.701                      |
| Duty Cycle                                        | 100.00%                    | 50.00%                     |
| Frame Averaged (mW)                               | 28.18                      | 28.12                      |
| Linearity SAR (W/kg)                              | 0.711                      |                            |
| % deviation from expected linearity               |                            | -1.45%                     |
| FR1 N77O(HPUE) Ant 5-Linearity Data for Body-worn |                            |                            |
|                                                   | FR1 N77<br>(Power Class 3) | FR1 N77<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                       | 17.20                      | 20.20                      |
| Reported 1g SAR (W/kg)                            | 0.432                      | 0.407                      |
| Duty Cycle                                        | 100.00%                    | 50.00%                     |
| Frame Averaged (mW)                               | 52.48                      | 52.36                      |
| Linearity SAR (W/kg)                              | 0.431                      |                            |
| % deviation from expected linearity               |                            | -5.56%                     |
| FR1 N77Q(HPUE) Ant 5-Linearity Data for Body-worn |                            |                            |
|                                                   | FR1 N77<br>(Power Class 3) | FR1 N77<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                       | 17.20                      | 20.20                      |
| Reported 1g SAR (W/kg)                            | 0.473                      | 0.449                      |
| Duty Cycle                                        | 100.00%                    | 50.00%                     |
| Frame Averaged (mW)                               | 52.48                      | 52.36                      |
| Linearity SAR (W/kg)                              | 0.472                      |                            |
| % deviation from expected linearity               |                            | -4.85%                     |
| FR1 N77O(HPUE) Ant 5-Linearity Data for Hotspot   |                            |                            |
|                                                   | FR1 N77<br>(Power Class 3) | FR1 N77<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                       | 17.20                      | 20.20                      |
| Reported 1g SAR (W/kg)                            | 0.987                      | 0.898                      |
| Duty Cycle                                        | 100.00%                    | 50.00%                     |
| Frame Averaged (mW)                               | 52.48                      | 52.36                      |
| Linearity SAR (W/kg)                              | 0.985                      |                            |
| % deviation from expected linearity               |                            | -8.80%                     |
| FR1 N77Q(HPUE) Ant 5-Linearity Data for Hotspot   |                            |                            |

|                                                   |                            |                            |
|---------------------------------------------------|----------------------------|----------------------------|
| FR1 N77O(HPUE) Ant 7-Linearity Data for Head      |                            |                            |
|                                                   | FR1 N77<br>(Power Class 3) | FR1 N77<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                       | 24.00                      | 27.00                      |
| Reported 1g SAR (W/kg)                            | 0.203                      | 0.197                      |
| Duty Cycle                                        | 100.00%                    | 50.00%                     |
| Frame Averaged (mW)                               | 251.19                     | 250.59                     |
| Linearity SAR (W/kg)                              | 0.203                      |                            |
| % deviation from expected linearity               |                            | -2.73%                     |
| FR1 N77Q(HPUE) Ant 7-Linearity Data for Head      |                            |                            |
|                                                   | FR1 N77<br>(Power Class 3) | FR1 N77<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                       | 24.00                      | 27.00                      |
| Reported 1g SAR (W/kg)                            | 0.326                      | 0.330                      |
| Duty Cycle                                        | 100.00%                    | 50.00%                     |
| Frame Averaged (mW)                               | 251.19                     | 250.59                     |
| Linearity SAR (W/kg)                              | 0.325                      |                            |
| % deviation from expected linearity               |                            | 1.47%                      |
| FR1 N77O(HPUE) Ant 7-Linearity Data for Body-worn |                            |                            |
|                                                   | FR1 N77<br>(Power Class 3) | FR1 N77<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                       | 19.50                      | 22.50                      |
| Reported 1g SAR (W/kg)                            | 1.195                      | 1.174                      |
| Duty Cycle                                        | 100.00%                    | 50.00%                     |
| Frame Averaged (mW)                               | 89.13                      | 88.91                      |
| Linearity SAR (W/kg)                              | 1.192                      |                            |
| % deviation from expected linearity               |                            | -1.52%                     |
| FR1 N77Q(HPUE) Ant 7-Linearity Data for Body-worn |                            |                            |
|                                                   | FR1 N77<br>(Power Class 3) | FR1 N77<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                       | 19.50                      | 22.50                      |
| Reported 1g SAR (W/kg)                            | 0.764                      | 0.726                      |
| Duty Cycle                                        | 100.00%                    | 50.00%                     |
| Frame Averaged (mW)                               | 89.13                      | 88.91                      |
| Linearity SAR (W/kg)                              | 0.762                      |                            |
| % deviation from expected linearity               |                            | -4.75%                     |
| FR1 N77O(HPUE) Ant 7-Linearity Data for Hotspot   |                            |                            |
|                                                   | FR1 N77<br>(Power Class 3) | FR1 N77<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                       | 19.50                      | 22.50                      |
| Reported 1g SAR (W/kg)                            | 1.195                      | 1.174                      |
| Duty Cycle                                        | 100.00%                    | 50.00%                     |
| Frame Averaged (mW)                               | 89.13                      | 88.91                      |
| Linearity SAR (W/kg)                              | 1.192                      |                            |
| % deviation from expected linearity               |                            | -1.52%                     |
| FR1 N77Q(HPUE) Ant 7-Linearity Data for Hotspot   |                            |                            |





# FCC SAR Test Report

Report No. : FA202807-01

|                                                              | FR1 N77<br>(Power Class 3) | FR1 N77<br>(Power Class 2) |
|--------------------------------------------------------------|----------------------------|----------------------------|
| Maximum Tune up Power (dBm)                                  | 17.20                      | 20.20                      |
| Reported 1g SAR (W/kg)                                       | 0.789                      | 0.716                      |
| Duty Cycle                                                   | 100.00%                    | 50.00%                     |
| Frame Averaged (mW)                                          | 52.48                      | 52.36                      |
| Linearity SAR (W/kg)                                         | 0.787                      |                            |
| % deviation from expected linearity                          |                            | -9.04%                     |
| <b>FR1 N77Q(HPUE) Ant 5-Linearity Data for Extremity SAR</b> |                            |                            |
|                                                              | FR1 N77<br>(Power Class 3) | FR1 N77<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                                  | 20.50                      | 23.50                      |
| Reported 10g SAR (W/kg)                                      | 2.738                      | 2.669                      |
| Duty Cycle                                                   | 100.00%                    | 50.00%                     |
| Frame Averaged (mW)                                          | 112.20                     | 111.94                     |
| Linearity SAR (W/kg)                                         | 2.732                      |                            |
| % deviation from expected linearity                          |                            | -2.29%                     |
| <b>FR1 N77Q(HPUE) Ant 5-Linearity Data for Extremity SAR</b> |                            |                            |
|                                                              | FR1 N77<br>(Power Class 3) | FR1 N77<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                                  | 20.50                      | 23.50                      |
| Reported 10g SAR (W/kg)                                      | 2.503                      | 2.302                      |
| Duty Cycle                                                   | 100.00%                    | 50.00%                     |
| Frame Averaged (mW)                                          | 112.20                     | 111.94                     |
| Linearity SAR (W/kg)                                         | 2.497                      |                            |
| % deviation from expected linearity                          |                            | -7.81%                     |

|                                                              | FR1 N77<br>(Power Class 3) | FR1 N77<br>(Power Class 2) |
|--------------------------------------------------------------|----------------------------|----------------------------|
| Maximum Tune up Power (dBm)                                  | 19.50                      | 22.50                      |
| Reported 1g SAR (W/kg)                                       | 1.238                      | 1.148                      |
| Duty Cycle                                                   | 100.00%                    | 50.00%                     |
| Frame Averaged (mW)                                          | 89.13                      | 88.91                      |
| Linearity SAR (W/kg)                                         | 1.235                      |                            |
| % deviation from expected linearity                          |                            | -7.05%                     |
| <b>FR1 N77Q(HPUE) Ant 7-Linearity Data for Extremity SAR</b> |                            |                            |
|                                                              | FR1 N77<br>(Power Class 3) | FR1 N77<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                                  | 20.30                      | 23.30                      |
| Reported 10g SAR (W/kg)                                      | 2.290                      | 2.225                      |
| Duty Cycle                                                   | 100.00%                    | 50.00%                     |
| Frame Averaged (mW)                                          | 107.15                     | 106.90                     |
| Linearity SAR (W/kg)                                         | 2.285                      |                            |
| % deviation from expected linearity                          |                            | -2.61%                     |
| <b>FR1 N77Q(HPUE) Ant 7-Linearity Data for Extremity SAR</b> |                            |                            |
|                                                              | FR1 N77<br>(Power Class 3) | FR1 N77<br>(Power Class 2) |
| Maximum Tune up Power (dBm)                                  | 20.30                      | 23.30                      |
| Reported 10g SAR (W/kg)                                      | 2.752                      | 2.509                      |
| Duty Cycle                                                   | 100.00%                    | 50.00%                     |
| Frame Averaged (mW)                                          | 107.15                     | 106.90                     |
| Linearity SAR (W/kg)                                         | 2.745                      |                            |
| % deviation from expected linearity                          |                            | -8.61%                     |

## 17. 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 + WLAN6GHz                          | Yes              | Yes       | Yes     | Yes                      |
| 4.  | WWAN + Bluetooth                         | Yes              | Yes       | Yes     | Yes                      |
| 5.  | WLAN2.4GHz + WLAN5GHz                    | Yes              | Yes       | Yes     | Yes                      |
| 6.  | WLAN2.4GHz + WLAN6GHz                    | Yes              | Yes       | Yes     | Yes                      |
| 7.  | WLAN5GHz+ Bluetooth                      | Yes              | Yes       | Yes     | Yes                      |
| 8.  | WLAN6GHz+ Bluetooth                      | Yes              | Yes       | Yes     | Yes                      |
| 9.  | WWAN + WLAN2.4GHz + WLAN5GHz             | Yes              | Yes       | Yes     | Yes                      |
| 10. | WWAN + WLAN2.4GHz + WLAN6GHz             | Yes              | Yes       | Yes     | Yes                      |
| 11. | WWAN + WLAN5GHz+ Bluetooth               | Yes              | Yes       | Yes     | Yes                      |
| 12. | WWAN + WLAN6GHz+ Bluetooth               | Yes              | Yes       | Yes     | 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.
- The 2.4GHz/5GHz/6GHz WLAN can transmit in MIMO antenna mode only and it has no SISO antenna mode.
- EUT will choose each GSM, WCDMA, LTE and 5GNR according to the network signal condition; therefore, they will not operate simultaneously at any moment.
- For EN-DC mode, Qualcomm Smart Transmit algorithm in WWAN adds directly the time-averaged RF exposure from 4G(LTE) and time-averaged RF exposure from 5G NR. Smart Transmit algorithm controls the total RF exposure from both 4G and 5G NR to not exceed FCC limit. Therefore, simultaneous transmission compliance between 4G+5G NR operation is demonstrated in the Part 2 Report during algorithm validation. In Part 1 Report, simultaneous transmission compliance was evaluated individually with other Radios (WLAN or BT) using one of 4G or 5G NR.
- 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). WLAN 6GHz has no hotspot function.
- The worst case 5 GHz WLAN SAR for each configuration was used for SAR summation.
- WLAN 2.4GHz and Bluetooth share the same antenna, and they cannot transmit simultaneously each other.
- According to the EUT characteristic, WLAN 5GHz/6GHz and Bluetooth can transmit simultaneously.
- According to the EUT characteristic, WLAN 5GHz/6GHz and WLAN 2.4GHz can transmit simultaneously.
- According to the EUT characteristic, WLAN 5GHz and WLAN 6GHz can't transmit simultaneously.
- According to the EUT characteristic, WLAN 2.4GHz and Bluetooth can't transmit simultaneously.
- According to the EUT characteristic, two Bluetooth antennas cannot transmit simultaneously with each other.
- The maximum SAR summation is calculated based on the same configuration and test position.
- For simultaneously analysis, since the SAR summation of 3 transmitters can cover others combination of 2 transmitters, therefore in this section did not additional to evaluate 2TX combination of simultaneously transmission.
- For standalone WWAN, always choose the highest SAR among the selected WWAN bands within the selected antenna for each exposure position to perform simultaneous transmission analysis with WLAN/BT. This is the worst co-located analysis and can represent each bands.
- For distance SAR and non-distance SAR always chose higher SAR to do co-located analysis.
- 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.

- v) The SPLSR calculated results please refer to section 17.7.
20. The WLAN 6GHz Sim-Tx analysis guidance with other transmitters was based on SAR test results. The simultaneous transmission and test exemption analysis per KDB 447498 D01, and the device does not support FR2 or another MPE field measurement, therefore SAR report in section 17 has include TER analysis requirement according to KDB 987594.

### 17.1 5G NR + LTE + WLAN + BT Sim-Tx analysis

In 5G NR + LTE + WLAN + BT simultaneous transmission, 5G NR and LTE transmission are managed and controlled by Qualcomm® Smart Transmit, while the RF exposure from WLAN and BT radios is managed using legacy approach, i.e., through a fixed power back-off if needed.

Since WLAN and BT do not employ time-averaging, 1gSAR and 10gSAR measurement for WLAN and BT need to be conducted at their corresponding rated power following current FCC test procedures to determine reported SAR values.

Smart Transmit current implementation assumes hotspots from 5G NR and LTE are collocated. Therefore, for a total of 100% exposure margin, if LTE uses x%, then the exposure margin left for 5G NR is capped to (100-x)%. Thus, the compliance equation for LTE + 5G NR is

$$x\% * A + (100-x)\% * B \leq 1.0,$$

Where, A is normalized reported time-averaged SAR exposure ratio from LTE, and  $A \leq 1.0$ ; B is normalized reported time-averaged exposure ratio from 5G NR (i.e. SAR exposure for 5G FR1), and  $B \leq 1.0$ .

Let C = normalized reported SAR exposure ratio from WLAN+BT, then for compliance,

$$x\% * A + (100-x)\% * B + C \leq 1.0 \quad (1)$$

$$x\% * A + (100-x)\% * B \leq x\% * \max(A, B) + (100-x)\% * \max(A, B) \leq \max(A, B)$$

$$x\% * A + (100-x)\% * B + C \leq \max(A, B) + C \leq 1.0 \quad (2)$$

if  $A + C \leq 1.0$  and  $B + C \leq 1.0$  can be proven, then " $x\% * A + (100-x)\% * B + C \leq 1.0$ ". Therefore simultaneous transmission analysis for 5G NR + LTE + WLAN + BT can be performed in two steps

Step 1: Prove total exposure ratio (TER) of LTE + WLAN + BT < 1

Step 2: Prove total exposure ratio (TER) of 5G NR + WLAN + BT < 1

Above analysis is also apply to LTE inter-band uplink, LTE1 + LTE2 + WLAN + BT simultaneous transmission, So inter-band uplink CA no need to do additional simultaneously analysis again. Only required comply with total exposure ratio (TER) of LTE + WLAN + BT < 1.

## 17.2 Sub6 Antenna Groups

The 2nd generation of Smart Transmit (GEN2) operates based on pre-defined sub6 antenna groups (AG). Sub6 Tx antennas in the device are grouped based on spatial variation of RF exposure distributions, where the RF exposure of one AG is mutually exclusive from other AG. This is accomplished by demonstrating below conditions for all exposure positions under each DSI for a given exposure category.

- 1) Case 1: Sum of SAR of one antenna from each of the sub6 AGs and the RF exposure from radios outside Smart Transmit is less than regulatory limits for each supported DSI. This condition must be demonstrated for all antenna combinations of sub6 AGs.
  - i. For a given DSI, obtain the highest *reported* SAR for each antenna out of all supported technologies and frequency bands. Obtain the maximum *reported* SAR for each AG by taking the maximum out of *reported* SAR for all antennas belonging to each AG.
  - ii. Demonstrate that the sum of maximum reported SAR (normalized to regulatory limit) from each of the sub6 AGs and the sum of reported SAR (normalized to regulatory limit) from all supported radios outside of Smart Transmit should be less than 1.0
- 2) Case 2: If the Case 1 is NOT met, then for a given antenna grouping scheme plus external radios/antennas (ERs) (referred to as 'configuration'), demonstrate all AG pairs, all ER pairs and all (AG, ER) pairs in the configuration meet SPLSR criteria (Section 4.3.2 (c) in FCC KDB 447498 D01 v06) for each exposure position under each supported DSI. For a given exposure position under a given DSI, prove all AG pairs, all ER pairs and all (AG, ER) pairs (if there are external radios outside Smart Transmit) in the configuration meet SPLSR.

This device supports two sub6 AG: AG0 and AG1, the detailed please refer to the below table:

|                              |                           |
|------------------------------|---------------------------|
| <b>Antenna Group 0 (AG0)</b> | ANT1 & ANT2 & ANT4 & ANT5 |
| <b>Antenna Group 1 (AG1)</b> | ANT0 & ANT7               |

The conditions are verified through the following criterias:

- i) (SAR1 + SAR2 criteria): If SPLSR criteria is not used, then the highest reported SAR at *Plimit* for each antenna should be obtained out of all supported technologies and frequency bands for each DSI. Demonstrate that the sum of reported SAR of one antenna from each of the sub6 AGs and the sum of RF exposure from all supported radios outside of Smart Transmit should be less than the regulatory limit as given below for each DSI.
  1. Obtain the worst-case reported SAR for each antenna group (i.e., maximum *reported* SAR at *Plimit* out of all supported technologies, frequency bands and antennas in AG0 and AG1), denoted as max.SAR.AG0 and max.SAR.AG1, and obtain the worst-case RF exposure for each external radio, and demonstrate that the sum of these RF exposures meets:  $\{ [\text{max.SAR.AG0} + \text{max.SAR.AG1}] + \text{WIFI/BT worst-case reported SAR} \} \leq 1.6$  (for 1g, or 4.0 for 10g). (WIFI/BT worst-case reported SAR is the worst SAR in all combinations of WIFI and BT simultaneous transmission)
- ii) (SPLSR criteria): For each antenna, obtain the highest reported SAR value at *Plimit* out of all supported technologies for each frequency band. Using these values, demonstrate for a given DSI that every antenna from one sub6 AG meets SPLSR criteria with every antenna in another sub6 AG for all frequency bands. This criteria must be demonstrated for all antenna pair combinations irrespective of supported simultaneous transmission scenarios as given below for each DSI:
  - a. SPLSR criteria should be met for all antenna pair combinations of AG0 and AG1. As it can be seen, these include all combinations of antenna groups, antennas, and frequency bands.
  - b. Obtain combined SAR per AG: Obtain the worst-case conservative combined SAR and its peak location for each AG.
  - c. Use the 'closest' peak location out of all antennas of AGj to evaluate SPLSR with other AGs in the configuration. Note, by 'closest', select the peak location out of all antennas ( $\epsilon$  AGj) that is closest to the peak location of other AG where SPLSR is evaluated.
- iii) (combination of SPLSR & SAR1+SAR2 criteria): If SPLSR criteria for all the combinations of sub6 antenna groups in (i) is demonstrated to show that each AG is mutually exclusive from other AGs, and if the WIFI/BT antennas supported outside of Smart Transmit do not meet SPLSR criteria, then the condition in (ii) reduces to:  $\{ \text{max.SAR.AG0} + \text{worst-case reported SAR} \} \leq 1.6$  and  $\{ \text{max.SAR.AG1} + \text{worst-case reported SAR} \} \leq 1.6$  for compliance demonstration (for 1g, or 4.0 for 10g).

For summed SAR results and SPLSR detailed analysis, please refer to section 17.3 / 17.4 / 17.5 / 17.6 / 17.7 of this report. All of the combinations of sub6 antenna groups are sufficient to show that AG0 is mutually exclusive from AG1 and that simultaneous transmission cases will not exceed the SAR limit and therefore no measured volumetric simultaneous SAR summation is required per FCC KDB Publication 447498 D01v06 and IEEE 1528- 2013 Section 6.3.4.1.

### 17.3 Head Exposure Conditions

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

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

**<AG0 maximum report SAR>:**

| Test Position | Ant1          | Ant2          | Ant4          | Ant5          | MAX           |
|---------------|---------------|---------------|---------------|---------------|---------------|
|               | 1g SAR (W/kg) | 1g SAR (W/kg) | 1g SAR (W/kg) | 1g SAR (W/kg) | 1g SAR (W/kg) |
| Right Cheek   | 0.990         | 0.984         | 0.689         | 0.247         | 0.990         |
| Right Tilted  | 0.990         | 0.215         | 0.764         | 0.234         | 0.990         |
| Left Cheek    | 0.610         | 0.266         | 0.985         | 0.974         | 0.985         |
| Left Tilted   | 0.703         | 0.091         | 0.976         | 0.833         | 0.976         |

**<AG1 maximum report SAR>:**

| Test Position | Ant0          | Ant7          | MAX           |
|---------------|---------------|---------------|---------------|
|               | 1g SAR (W/kg) | 1g SAR (W/kg) | 1g SAR (W/kg) |
| Right Cheek   | 0.333         | 0.189         | 0.333         |
| Right Tilted  | 0.180         | 0.251         | 0.251         |
| Left Cheek    | 0.229         | 0.352         | 0.352         |
| Left Tilted   | 0.162         | 0.173         | 0.173         |

**<WLAN+BT Worse-case SAR>:**

| NO            | 1                               | 2                           | 3                             | 4                         | 5               | 6               | 7                | 8                         | 3+5                  | 3+6                  | 5+7                  | 6+7                  | 2+4                  | 2+8                  | Wlan+BT worse case   |
|---------------|---------------------------------|-----------------------------|-------------------------------|---------------------------|-----------------|-----------------|------------------|---------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Test Position | WLAN2.4GHz Ant 3+6 WWAN+non DBS | WLAN2.4GHz Ant 3+6 WWAN+DBS | WLAN5GHz Ant 4+5 WWAN+non DBS | WLAN5GHz Ant 4+5 WWAN+DBS | Bluetooth Ant 6 | Bluetooth Ant 3 | WLAN6GHz Ant 4+5 | WLAN6GHz Ant 4+5 WWAN+DBS | Summed 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Summed 1g SAR (W/kg) |
|               | 1g SAR (W/kg)                   | 1g SAR (W/kg)               | 1g SAR (W/kg)                 | 1g SAR (W/kg)             | 1g SAR (W/kg)   | 1g SAR (W/kg)   | 1g SAR (W/kg)    | 1g SAR (W/kg)             | 1g SAR (W/kg)        | 1g SAR (W/kg)        | 1g SAR (W/kg)        | 1g SAR (W/kg)        | 1g SAR (W/kg)        | 1g SAR (W/kg)        | 1g SAR (W/kg)        |
| Right Cheek   | 0.146                           | 0.078                       | 0.146                         | 0.073                     | 0.060           | 0.086           | 0.187            | 0.086                     | 0.206                | 0.232                | 0.247                | 0.273                | 0.151                | 0.164                | 0.273                |
| Right Tilted  | 0.173                           | 0.091                       | 0.138                         | 0.069                     | 0.014           | 0.100           | 0.217            | 0.100                     | 0.152                | 0.238                | 0.231                | 0.317                | 0.160                | 0.191                | 0.317                |
| Left Cheek    | 0.354                           | 0.188                       | 0.399                         | 0.199                     | 0.189           | 0.167           | 0.284            | 0.131                     | 0.588                | 0.566                | 0.473                | 0.451                | 0.387                | 0.319                | 0.588                |
| Left Tilted   | 0.370                           | 0.196                       | 0.330                         | 0.165                     | 0.048           | 0.172           | 0.399            | 0.185                     | 0.378                | 0.502                | 0.447                | 0.571                | 0.361                | 0.381                | 0.571                |

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

| Test Position | AG0           | AG1           | Wlan/BT worst case   | AG0+AG1+Wlan +BT worse case |
|---------------|---------------|---------------|----------------------|-----------------------------|
|               | 1g SAR (W/kg) | 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Summed 1g SAR (W/kg)        |
| Right Cheek   | 0.990         | 0.333         | 0.273                | <b>1.60</b>                 |
| Right Tilted  | 0.990         | 0.251         | 0.317                | 1.56                        |
| Left Cheek    | 0.985         | 0.352         | 0.588                | <b>1.93</b>                 |
| Left Tilted   | 0.976         | 0.173         | 0.571                | <b>1.72</b>                 |

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

| Right Cheek     |               |               |                      |                             |               |
|-----------------|---------------|---------------|----------------------|-----------------------------|---------------|
| Ant combination | AG1           | AG0           | Wlan+BT worst case   | AG0+AG1+Wlan +BT worst case | Note          |
|                 | 1g SAR (W/kg) | 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Summed 1g SAR (W/kg)        |               |
| Ant0-Ant1       | 0.333         | 0.990         | 0.273                | <b>1.60</b>                 | <b>Case 1</b> |
| Ant0-Ant2       | 0.333         | 0.984         | 0.273                | 1.59                        | -             |
| Ant0-Ant4       | 0.333         | 0.689         | 0.273                | 1.30                        | -             |
| Ant0-Ant5       | 0.333         | 0.247         | 0.273                | 0.85                        | -             |
| Ant7-Ant1       | 0.189         | 0.990         | 0.273                | 1.45                        | -             |
| Ant7-Ant2       | 0.189         | 0.984         | 0.273                | 1.45                        | -             |
| Ant7-Ant4       | 0.189         | 0.689         | 0.273                | 1.15                        | -             |
| Ant7-Ant5       | 0.189         | 0.247         | 0.273                | 0.71                        | -             |



| Left Cheek      |               |               |                    |                             |               |
|-----------------|---------------|---------------|--------------------|-----------------------------|---------------|
| Ant combination | AG1           | AG0           | Wlan+BT worst case | AG0+AG1+wlan +BT worst case | Note          |
|                 | 1g SAR (W/kg) | 1g SAR (W/kg) | 1g SAR (W/kg)      | 1g SAR (W/kg)               |               |
| Ant0-Ant1       | 0.229         | 0.610         | 0.588              | 1.43                        | -             |
| Ant0-Ant2       | 0.229         | 0.266         | 0.588              | 1.08                        | -             |
| Ant0-Ant4       | 0.229         | 0.985         | 0.588              | <b>1.80</b>                 | <b>Case 2</b> |
| Ant0-Ant5       | 0.229         | 0.974         | 0.588              | <b>1.79</b>                 | <b>Case 3</b> |
| Ant7-Ant1       | 0.352         | 0.610         | 0.588              | 1.55                        | -             |
| Ant7-Ant2       | 0.352         | 0.266         | 0.588              | 1.21                        | -             |
| Ant7-Ant4       | 0.352         | 0.985         | 0.588              | <b>1.93</b>                 | <b>Case 4</b> |
| Ant7-Ant5       | 0.352         | 0.974         | 0.588              | <b>1.91</b>                 | <b>Case 5</b> |

| Left Tilted     |               |               |                    |                             |               |
|-----------------|---------------|---------------|--------------------|-----------------------------|---------------|
| Ant combination | AG1           | AG0           | Wlan+BT worst case | AG0+AG1+wlan +BT worst case | Note          |
|                 | 1g SAR (W/kg) | 1g SAR (W/kg) | 1g SAR (W/kg)      | 1g SAR (W/kg)               |               |
| Ant0-Ant1       | 0.162         | 0.703         | 0.571              | 1.44                        | -             |
| Ant0-Ant2       | 0.162         | 0.091         | 0.571              | 0.82                        | -             |
| Ant0-Ant4       | 0.162         | 0.976         | 0.571              | <b>1.71</b>                 | <b>Case 6</b> |
| Ant0-Ant5       | 0.162         | 0.833         | 0.571              | 1.57                        | -             |
| Ant7-Ant1       | 0.171         | 0.703         | 0.571              | 1.45                        | -             |
| Ant7-Ant2       | 0.171         | 0.091         | 0.571              | 0.83                        | -             |
| Ant7-Ant4       | 0.171         | 0.976         | 0.571              | <b>1.72</b>                 | <b>Case 7</b> |
| Ant7-Ant5       | 0.171         | 0.833         | 0.571              | 1.58                        | -             |

**<Simultaneous Transmission analysis of WLAN/BT only without WWAN>:**

| NO            | 1                                       | 2                                        | 3                                     | 4                                      | 5               | 6               | 7                                     | 8                                      |                      |                      |                      |                      |                      |                      |
|---------------|-----------------------------------------|------------------------------------------|---------------------------------------|----------------------------------------|-----------------|-----------------|---------------------------------------|----------------------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Test Position | WLAN2.4GHz Ant 3+6 Without WWAN Non DBS | WLAN2.4GHz Ant 3+6 Without WWAN DBS only | WLAN5GHz Ant 4+5 Without WWAN Non DBS | WLAN5GHz Ant 4+5 Without WWAN DBS only | Bluetooth Ant 6 | Bluetooth Ant 3 | WLAN6GHz Ant 4+5 Without WWAN Non DBS | WLAN6GHz Ant 4+5 Without WWAN DBS Only |                      |                      |                      |                      |                      |                      |
|               | 1g SAR (W/kg)                           | 1g SAR (W/kg)                            | 1g SAR (W/kg)                         | 1g SAR (W/kg)                          | 1g SAR (W/kg)   | 1g SAR (W/kg)   | 1g SAR (W/kg)                         | 1g SAR (W/kg)                          | Summed 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Summed 1g SAR (W/kg) |
| Right Cheek   | 0.554                                   | 0.798                                    | 0.414                                 | 0.787                                  | 0.066           | 0.111           | 0.187                                 | 0.187                                  | <b>1.59</b>          | 0.99                 | 0.48                 | 0.53                 | 0.25                 | 0.30                 |
| Right Tilted  | 0.654                                   | 0.798                                    | 0.391                                 | 0.787                                  | 0.017           | 0.119           | 0.217                                 | 0.217                                  | 1.59                 | 1.02                 | 0.41                 | 0.51                 | 0.23                 | 0.34                 |
| Left Cheek    | 1.338                                   | 0.798                                    | 1.198                                 | 0.787                                  | 0.194           | 0.188           | 0.284                                 | 0.284                                  | 1.59                 | 1.08                 | 1.39                 | 1.39                 | 0.48                 | 0.47                 |
| Left Tilted   | 1.400                                   | 0.798                                    | 0.932                                 | 0.787                                  | 0.043           | 0.182           | 0.399                                 | 0.399                                  | 1.59                 | 1.20                 | 0.98                 | 1.11                 | 0.44                 | 0.58                 |

## 17.4 Hotspot Exposure Conditions

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

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

**<AG0 maximum report SAR>:**

| Test Position | Ant1          | Ant2          | Ant4          | Ant5          | MAX           |
|---------------|---------------|---------------|---------------|---------------|---------------|
|               | 1g SAR (W/kg) | 1g SAR (W/kg) | 1g SAR (W/kg) | 1g SAR (W/kg) | 1g SAR (W/kg) |
| Front         | 0.904         | 0.421         | 0.457         | 0.473         | 0.904         |
| Back          | 0.990         | 0.314         | 0.415         | 0.383         | 0.990         |
| Left Side     | 0.534         | 0.990         | 0.093         | 0.018         | 0.990         |
| Right Side    | 0.210         | 0.015         | 0.172         | 0.480         | 0.480         |
| Top Side      | 1.048         | 0.091         | 0.981         | 0.987         | 1.048         |
| Bottom Side   |               |               |               |               |               |

**<AG1 maximum report SAR>:**

| Test Position | Ant0          | Ant7          | MAX           |
|---------------|---------------|---------------|---------------|
|               | 1g SAR (W/kg) | 1g SAR (W/kg) | 1g SAR (W/kg) |
| Front         | 1.208         | 1.195         | 1.208         |
| Back          | 1.259         | 0.933         | 1.259         |
| Left Side     | 0.295         | 1.238         | 1.238         |
| Right Side    | 0.519         | 0.031         | 0.519         |
| Top Side      |               |               |               |
| Bottom Side   | 1.259         | 0.267         | 1.259         |

**<WLAN+BT Worse-case SAR>:**

| NO            | 1                               | 2                           | 3                             | 4                         | 5               | 6               |                      |                      |                      |                      |
|---------------|---------------------------------|-----------------------------|-------------------------------|---------------------------|-----------------|-----------------|----------------------|----------------------|----------------------|----------------------|
| Test Position | WLAN2.4GHz Ant 3+6 WWAN+non DBS | WLAN2.4GHz Ant 3+6 WWAN+DBS | WLAN5GHz Ant 4+5 WWAN+non DBS | WLAN5GHz Ant 4+5 WWAN+DBS | Bluetooth Ant 6 | Bluetooth Ant 3 | 3+5                  | 3+6                  | 2+4                  | Wlan+BT worse case   |
|               | 1g SAR (W/kg)                   | 1g SAR (W/kg)               | 1g SAR (W/kg)                 | 1g SAR (W/kg)             | 1g SAR (W/kg)   | 1g SAR (W/kg)   | Summed 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Summed 1g SAR (W/kg) |
| Front         | 0.315                           | 0.145                       | 0.385                         | 0.193                     | 0.065           | 0.089           | 0.170                | 0.474                | 0.338                | 0.474                |
| Back          | 0.288                           | 0.132                       | 0.236                         | 0.127                     | 0.053           | 0.103           | 0.200                | 0.339                | 0.259                | 0.339                |
| Left Side     | 0.026                           | 0.011                       | 0.040                         | 0.019                     | 0.001           | 0.001           | 0.041                | 0.041                | 0.030                | 0.041                |
| Right Side    | 0.252                           | 0.115                       | 0.261                         | 0.131                     | 0.121           | 0.001           | 0.382                | 0.262                | 0.246                | 0.382                |
| Top Side      | 0.400                           | 0.186                       | 0.348                         | 0.186                     | 0.001           | 0.150           | 0.349                | 0.498                | 0.372                | 0.498                |
| Bottom Side   |                                 |                             |                               |                           |                 |                 |                      |                      |                      |                      |

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

| Test Position | AG0           | AG1           | Wlan+BT worst case   | AG0+AG1+Wlan +BT worse case |
|---------------|---------------|---------------|----------------------|-----------------------------|
|               | 1g SAR (W/kg) | 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Summed 1g SAR (W/kg)        |
| Front         | 0.904         | 1.208         | 0.474                | 2.59                        |
| Back          | 0.990         | 1.259         | 0.339                | 2.59                        |
| Left Side     | 0.990         | 1.238         | 0.041                | 2.27                        |
| Right Side    | 0.480         | 0.519         | 0.382                | 1.38                        |
| Top Side      | 1.048         |               | 0.498                | 1.55                        |
| Bottom Side   |               | 1.259         |                      | 1.26                        |

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

| Front           |               |               |                      |                             |         |
|-----------------|---------------|---------------|----------------------|-----------------------------|---------|
| Ant combination | AG1           | AG0           | Wlan+BT worst case   | AG0+AG1+wlan +BT worse case | Note    |
|                 | 1g SAR (W/kg) | 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Summed 1g SAR (W/kg)        |         |
| Ant0-Ant1       | 1.208         | 0.904         | 0.474                | 2.59                        | Case 8  |
| Ant0-Ant2       | 1.208         | 0.421         | 0.474                | 2.10                        | Case 24 |
| Ant0-Ant4       | 1.208         | 0.457         | 0.474                | 2.14                        | Case 10 |
| Ant0-Ant5       | 1.208         | 0.473         | 0.474                | 2.16                        | Case 11 |
| Ant7-Ant1       | 1.195         | 0.904         | 0.474                | 2.57                        | Case 12 |
| Ant7-Ant2       | 1.195         | 0.421         | 0.474                | 2.09                        | Case 25 |
| Ant7-Ant4       | 1.195         | 0.457         | 0.474                | 2.13                        | Case 14 |
| Ant7-Ant5       | 1.195         | 0.473         | 0.474                | 2.14                        | Case 15 |

| Back            |               |               |                      |                             |         |
|-----------------|---------------|---------------|----------------------|-----------------------------|---------|
| Ant combination | AG1           | AG0           | Wlan+BT worst case   | AG0+AG1+wlan +BT worse case | Note    |
|                 | 1g SAR (W/kg) | 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Summed 1g SAR (W/kg)        |         |
| Ant0-Ant1       | 1.259         | 0.990         | 0.339                | 2.59                        | Case 26 |
| Ant0-Ant2       | 1.259         | 0.314         | 0.339                | 1.91                        | Case 27 |
| Ant0-Ant4       | 1.259         | 0.415         | 0.339                | 2.01                        | Case 28 |
| Ant0-Ant5       | 1.259         | 0.383         | 0.339                | 1.98                        | Case 29 |
| Ant7-Ant1       | 0.933         | 0.990         | 0.339                | 2.26                        | Case 30 |
| Ant7-Ant2       | 0.933         | 0.314         | 0.339                | 1.59                        | -       |
| Ant7-Ant4       | 0.933         | 0.415         | 0.339                | 1.69                        | Case 31 |
| Ant7-Ant5       | 0.933         | 0.383         | 0.339                | 1.66                        | Case 32 |

| Left side       |               |               |                      |                             |         |
|-----------------|---------------|---------------|----------------------|-----------------------------|---------|
| Ant combination | AG1           | AG0           | Wlan+BT worst case   | AG0+AG1+wlan +BT worse case | Note    |
|                 | 1g SAR (W/kg) | 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Summed 1g SAR (W/kg)        |         |
| Ant0-Ant1       | 0.295         | 0.534         | 0.041                | 0.87                        | -       |
| Ant0-Ant2       | 0.295         | 0.990         | 0.041                | 1.33                        | -       |
| Ant0-Ant4       | 0.295         | 0.093         | 0.041                | 0.43                        | -       |
| Ant0-Ant5       | 0.295         | 0.018         | 0.041                | 0.35                        | -       |
| Ant7-Ant1       | 1.238         | 0.534         | 0.041                | 1.81                        | Case 33 |
| Ant7-Ant2       | 1.238         | 0.990         | 0.041                | 2.27                        | Case 34 |
| Ant7-Ant4       | 1.238         | 0.093         | 0.041                | 1.37                        | -       |
| Ant7-Ant5       | 1.238         | 0.018         | 0.041                | 1.30                        | -       |

## 17.5 Body-Worn Accessory Exposure Conditions

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

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

**<AG0 maximum report SAR>:**

| Test Position | Ant1          | Ant2          | Ant4          | Ant5          | MAX           |
|---------------|---------------|---------------|---------------|---------------|---------------|
|               | 1g SAR (W/kg) | 1g SAR (W/kg) | 1g SAR (W/kg) | 1g SAR (W/kg) | 1g SAR (W/kg) |
| Front         | 0.904         | 0.445         | 0.457         | 0.473         | 0.904         |
| Back          | 0.990         | 0.314         | 0.415         | 0.383         | 0.990         |

**<AG1 maximum report SAR>:**

| Test Position | Ant0          | Ant7          | MAX           |
|---------------|---------------|---------------|---------------|
|               | 1g SAR (W/kg) | 1g SAR (W/kg) | 1g SAR (W/kg) |
| Front         | 1.208         | 1.195         | 1.208         |
| Back          | 1.259         | 0.933         | 1.259         |

**<WLAN+BT Worse-case SAR>:**

| NO            | 1                               | 2                           | 3                             | 4                         | 5               | 6               | 7                |                      |                      |                      |                      |                      |                      |                      |
|---------------|---------------------------------|-----------------------------|-------------------------------|---------------------------|-----------------|-----------------|------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Test Position | WLAN2.4GHz Ant 3+6 WWAN+non DBS | WLAN2.4GHz Ant 3+6 WWAN+DBS | WLAN5GHz Ant 4+5 WWAN+non DBS | WLAN5GHz Ant 4+5 WWAN+DBS | Bluetooth Ant 6 | Bluetooth Ant 3 | WLAN6GHz Ant 4+5 |                      |                      |                      |                      |                      |                      | Wlan+BT worse case   |
|               | 1g SAR (W/kg)                   | 1g SAR (W/kg)               | 1g SAR (W/kg)                 | 1g SAR (W/kg)             | 1g SAR (W/kg)   | 1g SAR (W/kg)   | 1g SAR (W/kg)    | Summed 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Summed 1g SAR (W/kg) |
| Front         | 0.400                           | 0.198                       | 0.385                         | 0.198                     | 0.065           | 0.089           | 0.170            | 0.450                | 0.474                | 0.235                | 0.259                | 0.396                | 0.368                | 0.474                |
| Back          | 0.318                           | 0.157                       | 0.236                         | 0.127                     | 0.053           | 0.103           | 0.200            | 0.289                | 0.339                | 0.253                | 0.303                | 0.284                | 0.357                | 0.357                |

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

| Test Position | AG0           | AG1           | Wlan+BT worst case   | AG0+AG1+wlan +BT worse case |
|---------------|---------------|---------------|----------------------|-----------------------------|
|               | 1g SAR (W/kg) | 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Summed 1g SAR (W/kg)        |
| Front         | 0.904         | 1.208         | 0.474                | 2.59                        |
| Back          | 0.990         | 1.259         | 0.357                | 2.61                        |

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

| Front           |               |               |                      |                             |         |
|-----------------|---------------|---------------|----------------------|-----------------------------|---------|
| Ant combination | AG1           | AG0           | Wlan+BT worst case   | AG0+AG1+wlan +BT worse case | Note    |
|                 | 1g SAR (W/kg) | 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Summed 1g SAR (W/kg)        |         |
| Ant0-Ant1       | 1.208         | 0.904         | 0.474                | 2.59                        | Case 8  |
| Ant0-Ant2       | 1.208         | 0.445         | 0.474                | 2.13                        | Case 9  |
| Ant0-Ant4       | 1.208         | 0.457         | 0.474                | 2.14                        | Case 10 |
| Ant0-Ant5       | 1.208         | 0.473         | 0.474                | 2.16                        | Case 11 |
| Ant7-Ant1       | 1.195         | 0.904         | 0.474                | 2.57                        | Case 12 |
| Ant7-Ant2       | 1.195         | 0.445         | 0.474                | 2.11                        | Case 13 |
| Ant7-Ant4       | 1.195         | 0.457         | 0.474                | 2.13                        | Case 14 |
| Ant7-Ant5       | 1.195         | 0.473         | 0.474                | 2.14                        | Case 15 |



| Back            |               |               |                      |                             |         |
|-----------------|---------------|---------------|----------------------|-----------------------------|---------|
| Ant combination | AG1           | AG0           | Wlan+BT worst case   | AG0+AG1+wlan +BT worse case | Note    |
|                 | 1g SAR (W/kg) | 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Summed 1g SAR (W/kg)        |         |
| Ant0-Ant1       | 1.259         | 0.990         | 0.357                | 2.61                        | Case 16 |
| Ant0-Ant2       | 1.259         | 0.314         | 0.357                | 1.93                        | Case 17 |
| Ant0-Ant4       | 1.259         | 0.415         | 0.357                | 2.03                        | Case 18 |
| Ant0-Ant5       | 1.259         | 0.383         | 0.357                | 2.00                        | Case 19 |
| Ant7-Ant1       | 0.933         | 0.990         | 0.357                | 2.28                        | Case 20 |
| Ant7-Ant2       | 0.933         | 0.314         | 0.357                | 1.60                        | Case 21 |
| Ant7-Ant4       | 0.933         | 0.415         | 0.357                | 1.71                        | Case 22 |
| Ant7-Ant5       | 0.933         | 0.383         | 0.357                | 1.67                        | Case 23 |

<Simultaneous Transmission analysis of WLAN/BT only without WWAN>:

| NO            | 1                                       | 2                                        | 3                                     | 4                                      | 5               | 6               | 7                                     | 8                                      |                      |                      |                      |                      |                      |                      |
|---------------|-----------------------------------------|------------------------------------------|---------------------------------------|----------------------------------------|-----------------|-----------------|---------------------------------------|----------------------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Test Position | WLAN2.4GHz Ant 3+6 Without WWAN Non DBS | WLAN2.4GHz Ant 3+6 Without WWAN DBS only | WLAN5GHz Ant 4+5 Without WWAN Non DBS | WLAN5GHz Ant 4+5 Without WWAN DBS only | Bluetooth Ant 6 | Bluetooth Ant 3 | WLAN6GHz Ant 4+5 Without WWAN Non DBS | WLAN6GHz Ant 4+5 Without WWAN DBS Only |                      |                      |                      |                      |                      |                      |
|               | 1g SAR (W/kg)                           | 1g SAR (W/kg)                            | 1g SAR (W/kg)                         | 1g SAR (W/kg)                          | 1g SAR (W/kg)   | 1g SAR (W/kg)   | 1g SAR (W/kg)                         | 1g SAR (W/kg)                          | Summed 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Summed 1g SAR (W/kg) | Summed 1g SAR (W/kg) |
| Front         | 1.190                                   | 0.796                                    | 1.190                                 | 0.790                                  | 0.065           | 0.089           | 0.170                                 | 0.170                                  | 1.59                 | 0.97                 | 1.26                 | 1.28                 | 0.24                 | 0.26                 |
| Back          | 1.083                                   | 0.796                                    | 0.729                                 | 0.790                                  | 0.053           | 0.103           | 0.200                                 | 0.200                                  | 1.59                 | 1.00                 | 0.78                 | 0.83                 | 0.25                 | 0.30                 |



## 17.6 Product specific 10g SAR Exposure Conditions

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

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

**<AG0 maximum report SAR>:**

| Test Position | Ant1           | Ant2           | Ant4           | Ant5           | MAX            |
|---------------|----------------|----------------|----------------|----------------|----------------|
|               | 10g SAR (W/kg) | 10g SAR (W/kg) | 10g SAR (W/kg) | 10g SAR (W/kg) | 10g SAR (W/kg) |
| Front         | 2.756          | 2.019          | 2.765          | 2.738          | 2.765          |
| Back          | 2.076          | 1.454          | 1.326          | 1.026          | 2.076          |
| Left Side     | 0.818          | 2.748          |                |                | 2.748          |
| Right Side    |                |                |                | 1.388          | 1.388          |
| Top Side      | 2.764          |                | 2.613          | 2.522          | 2.764          |
| Bottom Side   |                |                |                |                |                |

**<AG1 maximum report SAR>:**

| Test Position | Ant0           | Ant7           | MAX            |
|---------------|----------------|----------------|----------------|
|               | 10g SAR (W/kg) | 10g SAR (W/kg) | 10g SAR (W/kg) |
| Front         | 2.749          | 1.430          | 2.749          |
| Back          | 2.756          | 0.976          | 2.756          |
| Left Side     |                | 2.752          | 2.752          |
| Right Side    |                |                |                |
| Top Side      |                |                |                |
| Bottom Side   | 2.153          |                | 2.153          |

**<WLAN+BT Worse-case SAR>:**

| NO            | 1                               | 2                           | 3                             | 4                         | 5                | Wlan+BT worse case |
|---------------|---------------------------------|-----------------------------|-------------------------------|---------------------------|------------------|--------------------|
| Test Position | WLAN2.4GHz Ant 3+6 WWAN+non DBS | WLAN2.4GHz Ant 3+6 WWAN+DBS | WLAN5GHz Ant 4+5 WWAN+non DBS | WLAN5GHz Ant 4+5 WWAN+DBS | WLAN6GHz Ant 4+5 |                    |
|               | 10g SAR (W/kg)                  | 10g SAR (W/kg)              | 10g SAR (W/kg)                | 10g SAR (W/kg)            | 10g SAR (W/kg)   | 10g SAR (W/kg)     |
| Front         | 0.792                           | 0.399                       | 0.792                         | 0.379                     | 0.391            | 0.792              |
| Back          | 0.529                           | 0.266                       | 0.200                         | 0.105                     | 0.141            | 0.200              |
| Left Side     |                                 |                             | 0.017                         | 0.007                     |                  | 0.017              |
| Right Side    |                                 |                             | 0.451                         | 0.239                     | 0.054            | 0.451              |
| Top Side      | 0.736                           | 0.371                       | 0.423                         | 0.223                     | 0.449            | 0.449              |
| Bottom Side   |                                 |                             |                               |                           |                  |                    |

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

| Test Position | AG0            | AG1            | Wlan+BT worst case | AG0+AG1+Wlan +BT worse case |
|---------------|----------------|----------------|--------------------|-----------------------------|
|               | 10g SAR (W/kg) | 10g SAR (W/kg) | 10g SAR (W/kg)     | Summed 10g SAR (W/kg)       |
| Front         | 2.765          | 2.749          | 0.792              | 6.31                        |
| Back          | 2.076          | 2.756          | 0.200              | 5.03                        |
| Left Side     | 2.748          | 2.752          | 0.017              | 5.52                        |
| Right Side    | 1.388          |                | 0.451              | 1.84                        |
| Top Side      | 2.764          |                | 0.449              | 3.21                        |
| Bottom Side   |                | 2.153          |                    | 2.15                        |

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

| Front           |                |                |                    |                             |         |
|-----------------|----------------|----------------|--------------------|-----------------------------|---------|
| Ant combination | AG1            | AG0            | Wlan+BT worst case | AG0+AG1+wlan +BT worse case | Note    |
|                 | 10g SAR (W/kg) | 10g SAR (W/kg) | 10g SAR (W/kg)     | Summed 10g SAR (W/kg)       |         |
| Ant0-Ant1       | 2.749          | 2.756          | 0.792              | 6.30                        | Case 35 |
| Ant0-Ant2       | 2.749          | 2.019          | 0.792              | 5.56                        | Case 36 |
| Ant0-Ant4       | 2.749          | 2.765          | 0.792              | 6.31                        | Case 37 |
| Ant0-Ant5       | 2.749          | 2.738          | 0.792              | 6.28                        | Case 38 |
| Ant7-Ant1       | 1.430          | 2.756          | 0.792              | 4.98                        | Case 39 |
| Ant7-Ant2       | 1.430          | 2.019          | 0.792              | 4.24                        | Case 44 |
| Ant7-Ant4       | 1.430          | 2.765          | 0.792              | 4.99                        | Case 45 |
| Ant7-Ant5       | 1.430          | 2.738          | 0.792              | 4.96                        | Case 46 |

| Back            |                |                |                    |                             |         |
|-----------------|----------------|----------------|--------------------|-----------------------------|---------|
| Ant combination | AG1            | AG0            | Wlan+BT worst case | AG0+AG1+wlan +BT worse case | Note    |
|                 | 10g SAR (W/kg) | 10g SAR (W/kg) | 10g SAR (W/kg)     | Summed 10g SAR (W/kg)       |         |
| Ant0-Ant1       | 2.756          | 2.076          | 0.200              | 5.03                        | Case 40 |
| Ant0-Ant2       | 2.756          | 1.454          | 0.200              | 4.41                        | Case 42 |
| Ant0-Ant4       | 2.756          | 1.326          | 0.200              | 4.28                        | Case 41 |
| Ant0-Ant5       | 2.756          | 1.026          | 0.200              | 3.98                        |         |
| Ant7-Ant1       | 0.976          | 2.076          | 0.200              | 3.25                        | -       |
| Ant7-Ant2       | 0.976          | 1.454          | 0.200              | 2.63                        | -       |
| Ant7-Ant4       | 0.976          | 1.326          | 0.200              | 2.50                        | -       |
| Ant7-Ant5       | 0.976          | 1.026          | 0.200              | 2.20                        | -       |

| Left side       |                |                |                    |                             |         |
|-----------------|----------------|----------------|--------------------|-----------------------------|---------|
| Ant combination | AG1            | AG0            | Wlan+BT worst case | AG0+AG1+wlan +BT worse case | Note    |
|                 | 10g SAR (W/kg) | 10g SAR (W/kg) | 10g SAR (W/kg)     | Summed 10g SAR (W/kg)       |         |
| Ant0-Ant1       |                | 0.818          | 0.017              | 0.84                        | -       |
| Ant0-Ant2       |                | 2.748          | 0.017              | 2.77                        | -       |
| Ant0-Ant4       |                |                | 0.017              | 0.02                        | -       |
| Ant0-Ant5       |                |                | 0.017              | 0.02                        | -       |
| Ant7-Ant1       | 2.752          | 0.818          | 0.017              | 3.59                        | -       |
| Ant7-Ant2       | 2.752          | 2.748          | 0.017              | 5.52                        | Case 43 |
| Ant7-Ant4       | 2.752          |                | 0.017              | 2.77                        | -       |
| Ant7-Ant5       | 2.752          |                | 0.017              | 2.77                        | -       |

**Remark:**

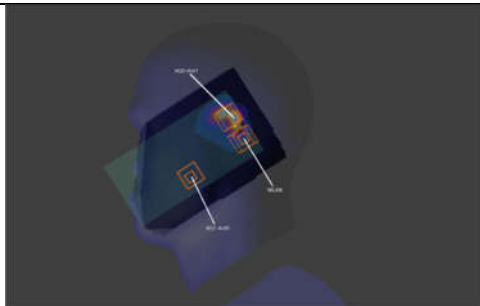
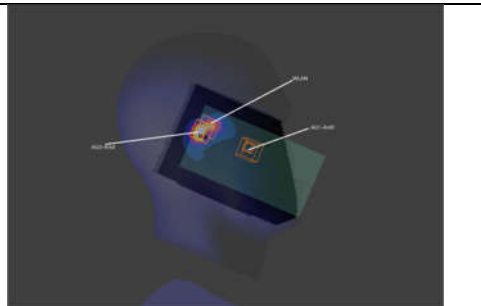
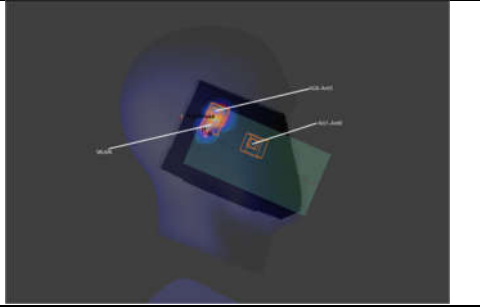
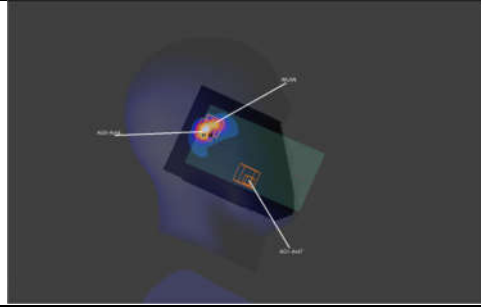
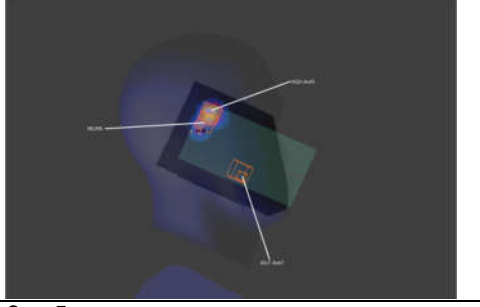
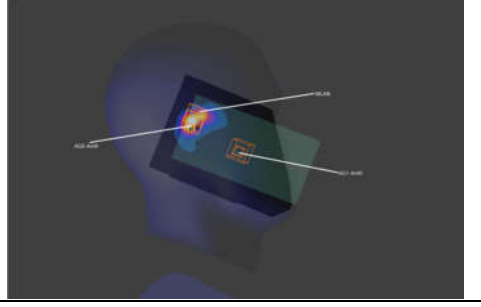
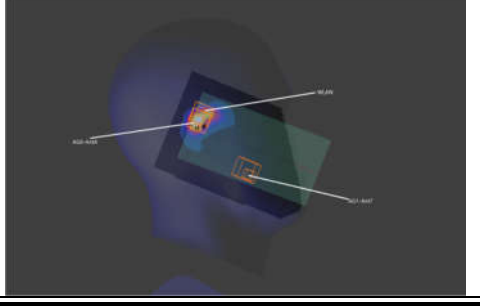
1. For Bluetooth Product specific 10g stand-alone SAR is not required for a transmitter or antenna, due to 1g hotspot SAR is <1.2W/kg.

## 17.7 SPLSR Evaluation and Analysis

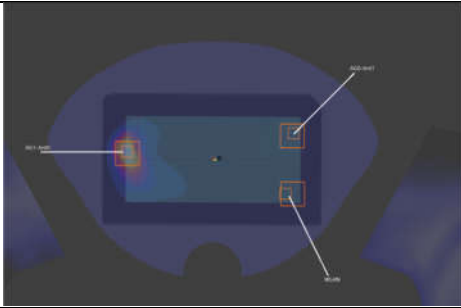
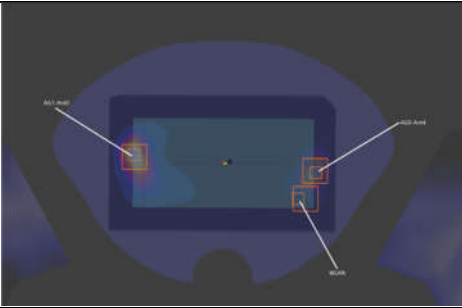
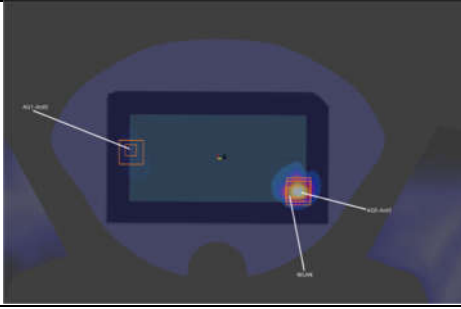
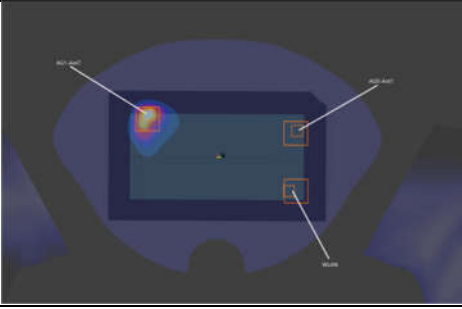
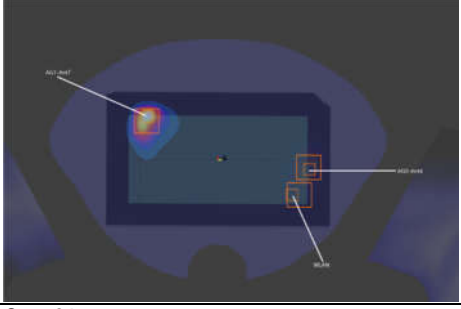
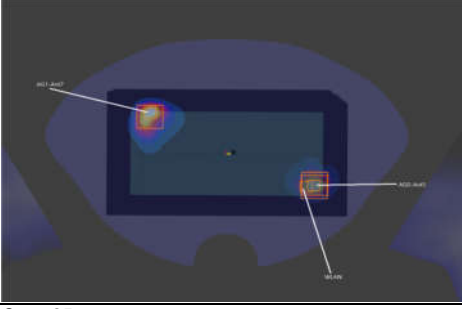
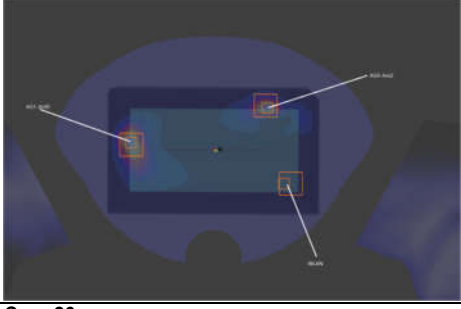
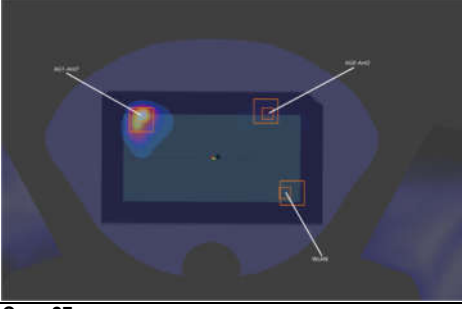
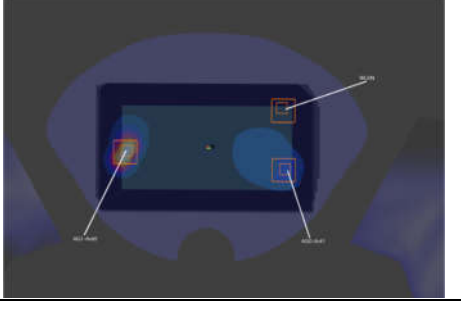
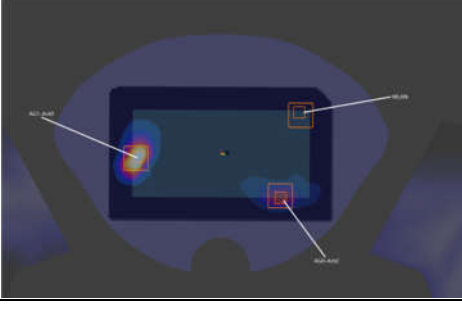
### General Note:

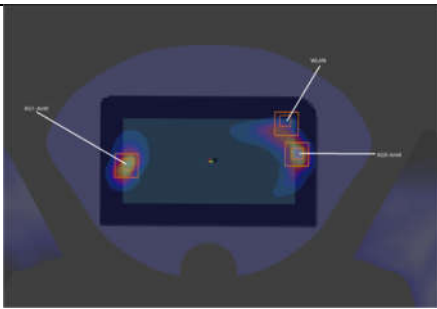
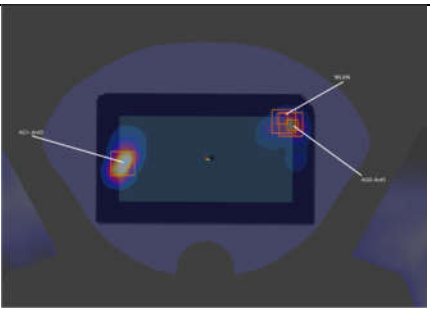
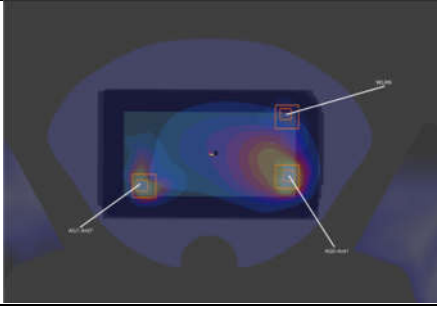
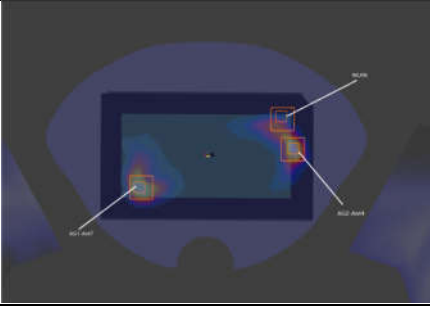
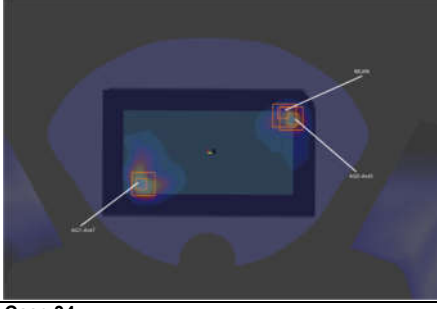
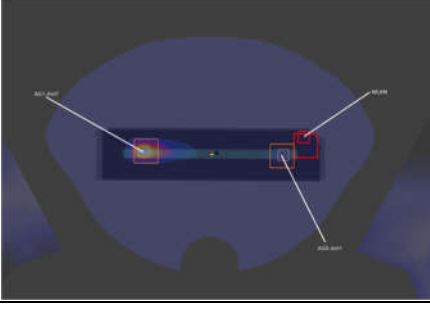
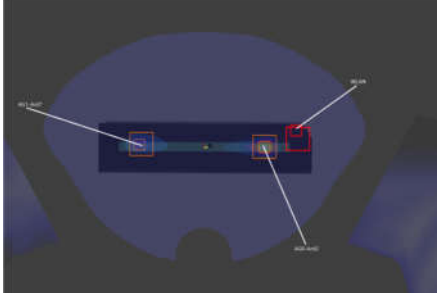
1. When standalone SAR is measured for both antennas in the pair, the peak location separation distance is computed by the square root of  $[(x_1-x_2)^2 + (y_1-y_2)^2 + (z_1-z_2)^2]$ , where  $(x_1, y_1, z_1)$  and  $(x_2, y_2, z_2)$  are the coordinates in the area scans or extrapolated peak SAR locations in the zoom scans, as appropriate.
2.  $SPLSR = (SAR_1 + SAR_2)1.5 / (\text{min. separation distance, mm})$ . If  $SPLSR \leq 0.04$  for 1g SAR, simultaneously transmission SAR measurement is not necessary.
3. Per April 2022 TCB Workshop Notes, AG0 was summed algebraically with the BT/WIFI Antenna 3/4/5/6 for the purposes of hybrid SPLSR combination and they are located at the Top of the device.
4. Per April 2022 TCB Workshop, instead of doing a small volume scan over a co-located antenna pair, used summing the SAR values of the co-located pair and using that value in SPLSR calculation. In the calculation used the minimum distance between the spatially separated antenna and the closest antenna of the co-located antenna pair to be conservative.
5. The axis peak locations refer to Section 17.8.

### For Head:

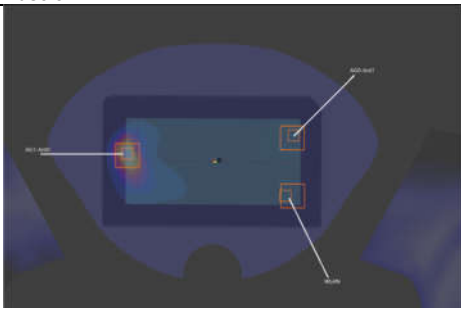
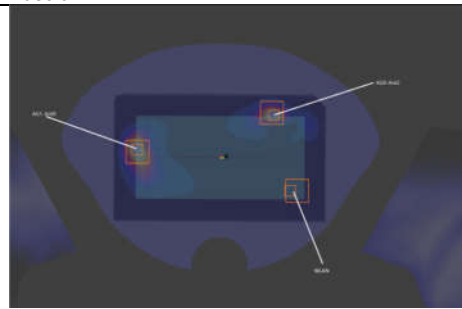
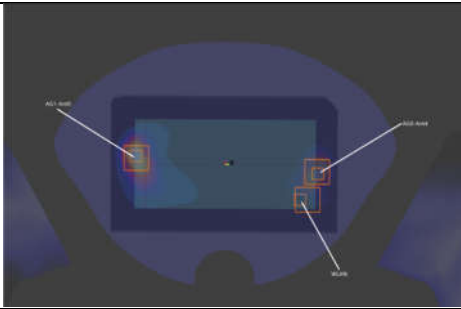
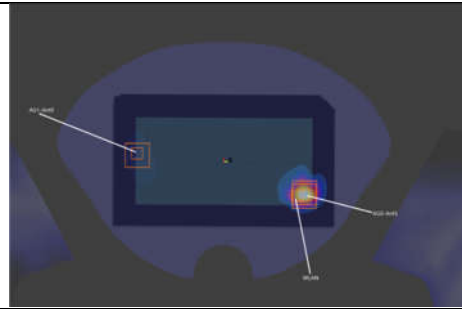
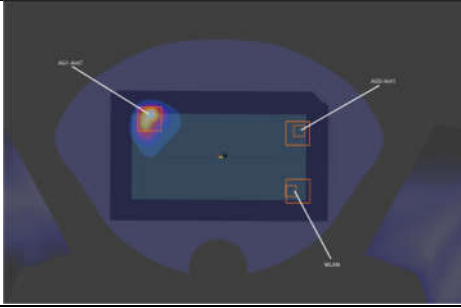
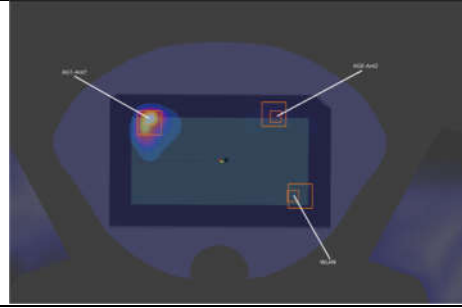
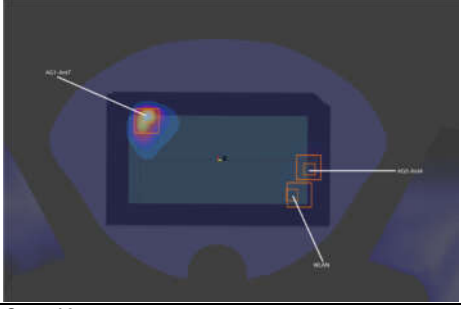
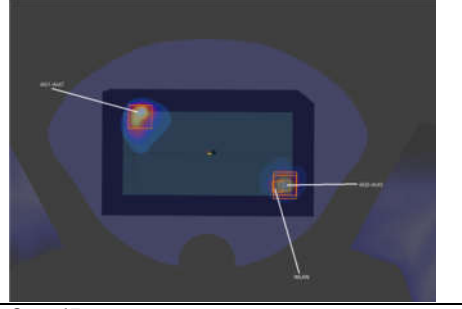
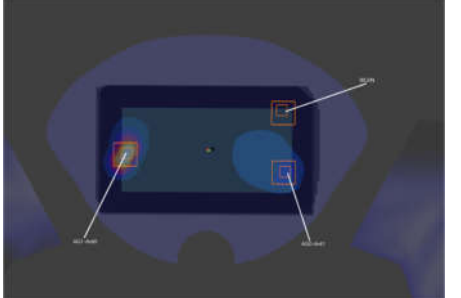
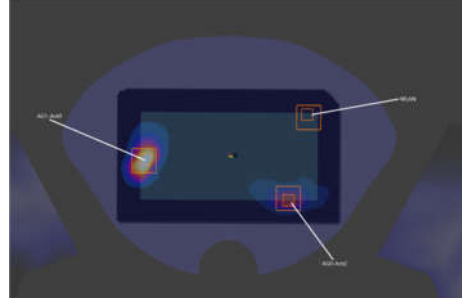
|                                                                                                      |                                                                                                       |
|------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|
| <b>Case 1</b><br>  | <b>Case 2</b><br>  |
| <b>Case 3</b><br> | <b>Case 4</b><br> |
| <b>Case 5</b><br> | <b>Case 6</b><br> |
| <b>Case 7</b><br> |                                                                                                       |

For Hotspot:

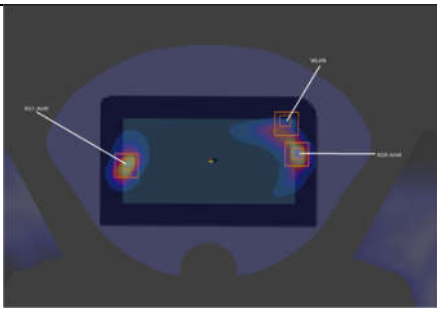
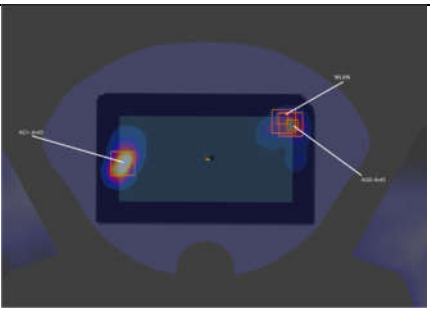
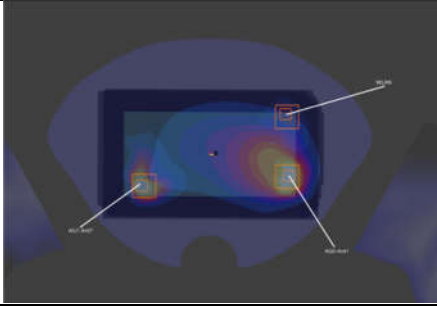
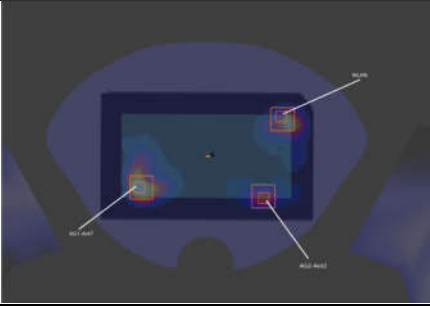
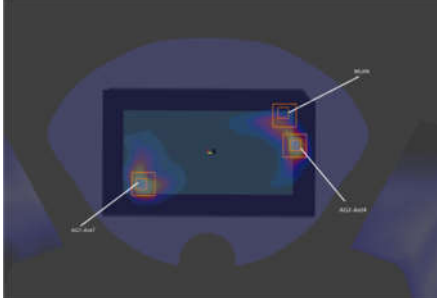
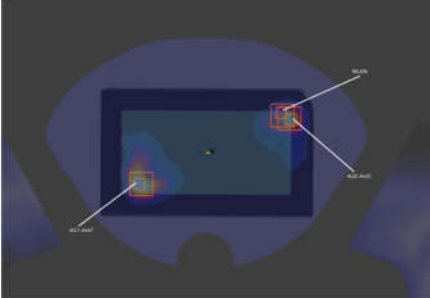
|                                                                                                           |                                                                                                            |
|-----------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| <p><b>Case 8</b></p>     | <p><b>Case 10</b></p>    |
| <p><b>Case 11</b></p>    | <p><b>Case 12</b></p>    |
| <p><b>Case 14</b></p>   | <p><b>Case 15</b></p>   |
| <p><b>Case 24</b></p>  | <p><b>Case 25</b></p>  |
| <p><b>Case 26</b></p>  | <p><b>Case 27</b></p>  |

|                                                                                                           |                                                                                                           |
|-----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| <p><b>Case 28</b></p>    | <p><b>Case 29</b></p>   |
| <p><b>Case 30</b></p>    | <p><b>Case 31</b></p>   |
| <p><b>Case 32</b></p>   | <p><b>Case 33</b></p>  |
| <p><b>Case 34</b></p>  |                                                                                                           |

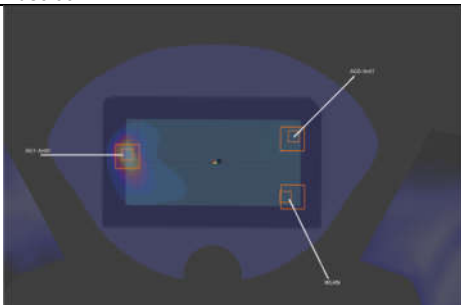
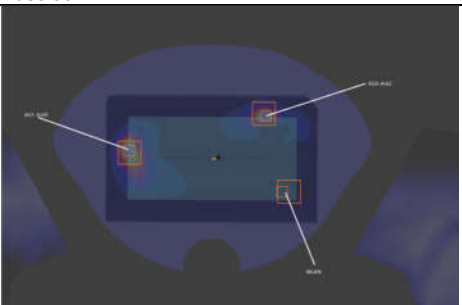
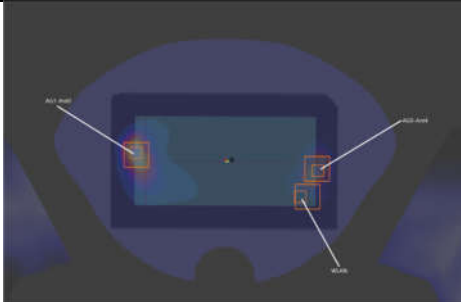
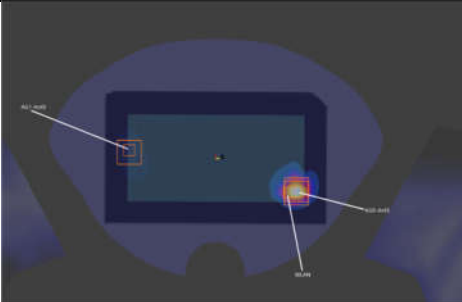
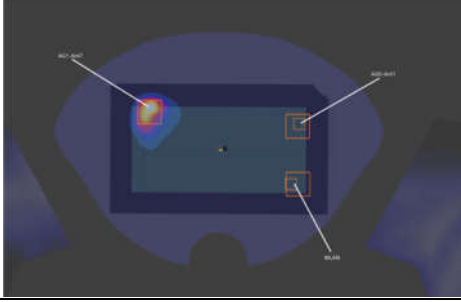
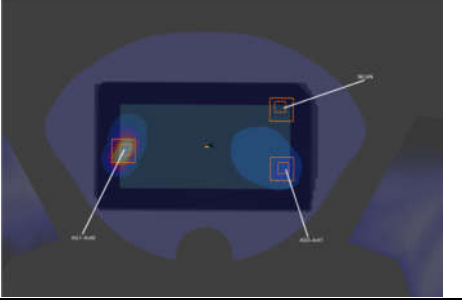
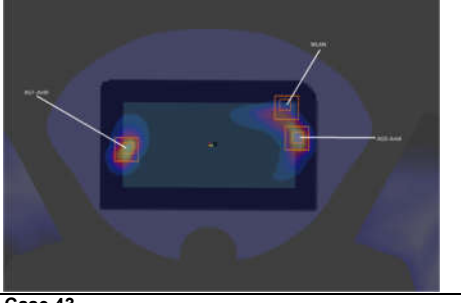
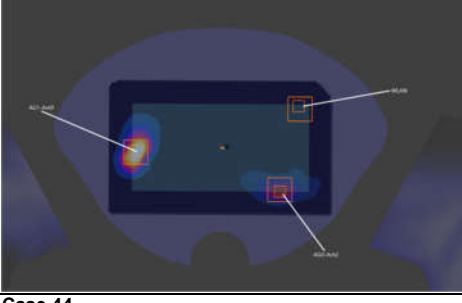
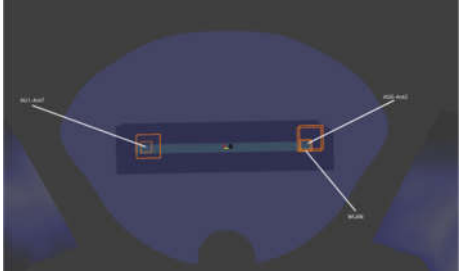
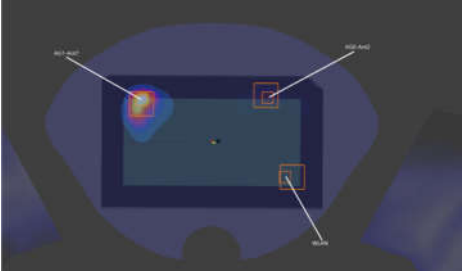
**For Body-worn:**

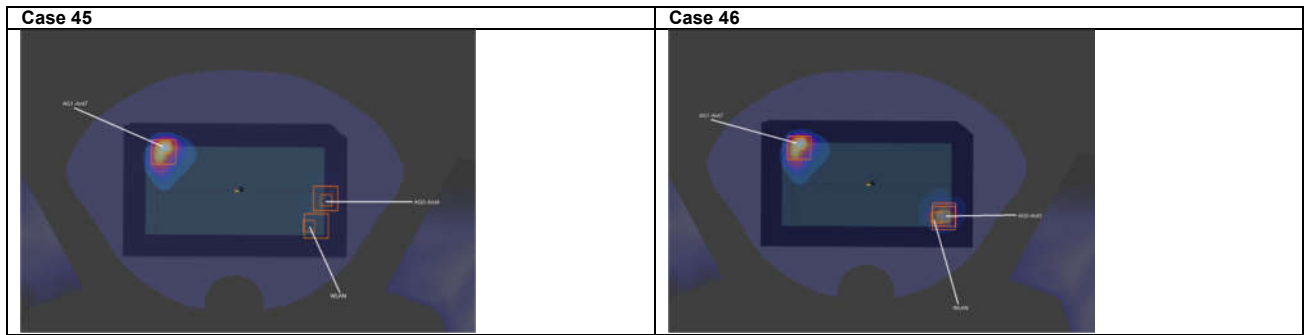
|                                                                                                           |                                                                                                            |
|-----------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| <p><b>Case 8</b></p>     | <p><b>Case 9</b></p>     |
| <p><b>Case 10</b></p>    | <p><b>Case 11</b></p>    |
| <p><b>Case 12</b></p>   | <p><b>Case 13</b></p>   |
| <p><b>Case 14</b></p>  | <p><b>Case 15</b></p>  |
| <p><b>Case 16</b></p>  | <p><b>Case 17</b></p>  |



|                                                                                                          |                                                                                                           |
|----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| <p><b>Case 18</b></p>   | <p><b>Case 19</b></p>   |
| <p><b>Case 20</b></p>   | <p><b>Case 21</b></p>   |
| <p><b>Case 22</b></p>  | <p><b>Case 23</b></p>  |

**For Extremity:**

|                                                                                                           |                                                                                                            |
|-----------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| <p><b>Case 35</b></p>    | <p><b>Case 36</b></p>    |
| <p><b>Case 37</b></p>    | <p><b>Case 38</b></p>    |
| <p><b>Case 39</b></p>   | <p><b>Case 40</b></p>   |
| <p><b>Case 41</b></p>  | <p><b>Case 42</b></p>  |
| <p><b>Case 43</b></p>  | <p><b>Case 44</b></p>  |





<Head>

| Case No | Band     | Position    | SAR (W/kg) |      | Gap  | SAR (W/kg) peak location (mm) |        |        | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
|---------|----------|-------------|------------|------|------|-------------------------------|--------|--------|------------------|-------------------|---------------|------------------|
|         |          |             |            |      | (mm) | X                             | Y      | Z      |                  |                   |               |                  |
| Case 1  | AG1-Ant0 | Right Cheek | 0.333      | 0.33 | 0mm  | 54.8                          | -264.1 | -170.8 | 72.0             | 1.60              | 0.03          | Not required     |
|         | AG0-Ant1 |             | 0.990      | 1.26 | 0mm  | 8.1                           | -318.8 | -168.8 |                  |                   |               |                  |
|         | WLAN     |             | 0.273      |      | 0mm  |                               |        |        |                  |                   |               |                  |
|         | AG1-Ant0 |             | 0.333      | 0.33 | 0mm  | 54.8                          | -264.1 | -170.8 | 66.9             | 1.60              | 0.03          | Not required     |
|         | AG0-Ant1 |             | 0.990      | 1.26 | 0mm  |                               |        |        |                  |                   |               |                  |
|         | WLAN     |             | 0.273      |      | 0mm  | -0.7                          | -301.2 | -166.5 |                  |                   |               |                  |

| Case No | Band     | Position   | SAR (W/kg) |      | Gap  | SAR (W/kg) peak location (mm) |       |        | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
|---------|----------|------------|------------|------|------|-------------------------------|-------|--------|------------------|-------------------|---------------|------------------|
|         |          |            |            |      | (mm) | X                             | Y     | Z      |                  |                   |               |                  |
| Case 2  | AG1-Ant0 | Left Cheek | 0.229      | 0.23 | 0mm  | 68.9                          | 280.5 | -171.1 | 60.4             | 1.80              | 0.04          | Not required     |
|         | AG0-Ant4 |            | 0.985      | 1.57 | 0mm  | 23.8                          | 320.7 | -170.8 |                  |                   |               |                  |
|         | WLAN     |            | 0.588      |      | 0mm  |                               |       |        |                  |                   |               |                  |
|         | AG1-Ant0 |            | 0.229      | 0.23 | 0mm  | 68.9                          | 280.5 | -171.1 | 66.1             | 1.80              | 0.04          | Not required     |
|         | AG0-Ant4 |            | 0.985      | 1.57 | 0mm  |                               |       |        |                  |                   |               |                  |
|         | WLAN     |            | 0.588      |      | 0mm  | 18.9                          | 323.8 | -171.2 |                  |                   |               |                  |
| Case 3  | AG1-Ant0 | Left Cheek | 0.229      | 0.23 | 0mm  | 68.9                          | 280.5 | -171.1 | 68.2             | 1.79              | 0.04          | Not required     |
|         | AG0-Ant5 |            | 0.974      | 1.56 | 0mm  | 23.8                          | 331.7 | -169.8 |                  |                   |               |                  |
|         | WLAN     |            | 0.588      |      | 0mm  |                               |       |        |                  |                   |               |                  |
|         | AG1-Ant0 |            | 0.229      | 0.23 | 0mm  | 68.9                          | 280.5 | -171.1 | 66.1             | 1.79              | 0.04          | Not required     |
|         | AG0-Ant5 |            | 0.974      | 1.56 | 0mm  |                               |       |        |                  |                   |               |                  |
|         | WLAN     |            | 0.588      |      | 0mm  | 18.9                          | 323.8 | -171.2 |                  |                   |               |                  |
| Case 4  | AG1-Ant7 | Left Cheek | 0.352      | 0.35 | 0mm  | 53.5                          | 247.2 | -165.9 | 79.4             | 1.93              | 0.03          | Not required     |
|         | AG0-Ant4 |            | 0.985      | 1.57 | 0mm  | 23.8                          | 320.7 | -170.8 |                  |                   |               |                  |
|         | WLAN     |            | 0.588      |      | 0mm  |                               |       |        |                  |                   |               |                  |
|         | AG1-Ant7 |            | 0.352      | 0.35 | 0mm  | 53.5                          | 247.2 | -165.9 | 84.2             | 1.93              | 0.03          | Not required     |
|         | AG0-Ant4 |            | 0.985      | 1.57 | 0mm  |                               |       |        |                  |                   |               |                  |
|         | WLAN     |            | 0.588      |      | 0mm  | 18.9                          | 323.8 | -171.2 |                  |                   |               |                  |
| Case 5  | AG1-Ant7 | Left Cheek | 0.352      | 0.35 | 0mm  | 53.5                          | 247.2 | -165.9 | 89.7             | 1.91              | 0.03          | Not required     |
|         | AG0-Ant5 |            | 0.974      | 1.56 | 0mm  | 23.8                          | 331.7 | -169.8 |                  |                   |               |                  |
|         | WLAN     |            | 0.588      |      | 0mm  |                               |       |        |                  |                   |               |                  |
|         | AG1-Ant7 |            | 0.352      | 0.35 | 0mm  | 53.5                          | 247.2 | -165.9 | 84.2             | 1.91              | 0.03          | Not required     |
|         | AG0-Ant5 |            | 0.974      | 1.56 | 0mm  |                               |       |        |                  |                   |               |                  |
|         | WLAN     |            | 0.588      |      | 0mm  | 18.9                          | 323.8 | -171.2 |                  |                   |               |                  |
| Case 6  | AG1-Ant0 | Left Cheek | 0.162      | 0.16 | 0mm  | 42.5                          | 268.4 | -172.9 | 62.3             | 1.71              | 0.04          | Not required     |
|         | AG0-Ant4 |            | 0.976      | 1.55 | 0mm  | 7.5                           | 319.8 | -169.6 |                  |                   |               |                  |
|         | WLAN     |            | 0.571      |      | 0mm  |                               |       |        |                  |                   |               |                  |
|         | AG1-Ant0 |            | 0.162      | 0.16 | 0mm  | 42.5                          | 268.4 | -172.9 | 58.5             | 1.71              | 0.04          | Not required     |
|         | AG0-Ant4 |            | 0.976      | 1.55 | 0mm  |                               |       |        |                  |                   |               |                  |
|         | WLAN     |            | 0.571      |      | 0mm  | 20.5                          | 322.6 | -171.2 |                  |                   |               |                  |
| Case 7  | AG1-Ant7 | Left Cheek | 0.173      | 0.17 | 0mm  | 54.2                          | 245.7 | -169.7 | 87.6             | 1.72              | 0.03          | Not required     |
|         | AG0-Ant4 |            | 0.976      | 1.55 | 0mm  | 7.5                           | 319.8 | -169.6 |                  |                   |               |                  |
|         | WLAN     |            | 0.571      |      | 0mm  |                               |       |        |                  |                   |               |                  |
|         | AG1-Ant7 |            | 0.173      | 0.17 | 0mm  | 54.2                          | 245.7 | -169.7 | 84.0             | 1.72              | 0.03          | Not required     |
|         | AG0-Ant4 |            | 0.976      | 1.55 | 0mm  |                               |       |        |                  |                   |               |                  |
|         | WLAN     |            | 0.571      |      | 0mm  | 20.5                          | 322.6 | -171.2 |                  |                   |               |                  |



**<Hotspot>**

| Case No | Band     | Position | SAR (W/kg) |      | Gap  | SAR peak location (mm) |       |      | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
|---------|----------|----------|------------|------|------|------------------------|-------|------|------------------|-------------------|---------------|------------------|
|         |          |          |            |      | (mm) | X                      | Y     | Z    |                  |                   |               |                  |
| Case 8  | AG1-Ant0 | Front    | 1.208      | 1.21 | 5mm  | -35                    | -77.8 | -203 | 152.7            | 2.59              | 0.03          | Not required     |
|         | AG0-Ant1 |          | 0.904      | 1.38 | 5mm  | -55                    | 73.6  | -203 |                  |                   |               |                  |
|         | WLAN     |          | 0.474      |      | 5mm  |                        |       |      |                  |                   |               |                  |
|         | AG1-Ant0 |          | 1.208      | 1.21 | 5mm  | -35                    | -77.8 | -203 | 151.8            | 2.59              | 0.03          | Not required     |
|         | AG0-Ant1 |          | 0.904      | 1.38 | 5mm  |                        |       |      |                  |                   |               |                  |
|         | WLAN     |          | 0.474      |      | 5mm  | 15                     | 65.5  | -203 |                  |                   |               |                  |
| Case 24 | AG1-Ant0 | Front    | 1.208      | 1.21 | 5mm  | -35                    | -77.1 | -203 | 134.3            | 2.10              | 0.02          | Not required     |
|         | AG0-Ant2 |          | 0.421      | 0.90 | 5mm  | -65                    | 53.8  | -203 |                  |                   |               |                  |
|         | WLAN     |          | 0.474      |      | 5mm  |                        |       |      |                  |                   |               |                  |
|         | AG1-Ant0 |          | 1.208      | 1.21 | 5mm  | -35                    | -77.1 | -203 | 151.1            | 2.10              | 0.02          | Not required     |
|         | AG0-Ant2 |          | 0.421      | 0.90 | 5mm  |                        |       |      |                  |                   |               |                  |
|         | WLAN     |          | 0.474      |      | 5mm  | 15                     | 65.5  | -203 |                  |                   |               |                  |
| Case 10 | AG1-Ant0 | Front    | 1.208      | 1.21 | 5mm  | -35                    | -77.1 | -203 | 161.5            | 2.14              | 0.02          | Not required     |
|         | AG0-Ant4 |          | 0.457      | 0.93 | 5mm  | -15.3                  | 83.2  | -203 |                  |                   |               |                  |
|         | WLAN     |          | 0.474      |      | 5mm  |                        |       |      |                  |                   |               |                  |
|         | AG1-Ant0 |          | 1.208      | 1.21 | 5mm  | -35                    | -77.1 | -203 | 151.1            | 2.14              | 0.02          | Not required     |
|         | AG0-Ant4 |          | 0.457      | 0.93 | 5mm  |                        |       |      |                  |                   |               |                  |
|         | WLAN     |          | 0.474      |      | 5mm  | 15                     | 65.5  | -203 |                  |                   |               |                  |
| Case 11 | AG1-Ant0 | Front    | 1.208      | 1.21 | 5mm  | -35                    | -77.1 | -203 | 164.2            | 2.16              | 0.02          | Not required     |
|         | AG0-Ant5 |          | 0.473      | 0.95 | 5mm  | 5                      | 82.2  | -203 |                  |                   |               |                  |
|         | WLAN     |          | 0.474      |      | 5mm  |                        |       |      |                  |                   |               |                  |
|         | AG1-Ant0 |          | 1.208      | 1.21 | 5mm  | -35                    | -77.1 | -203 | 151.1            | 2.16              | 0.02          | Not required     |
|         | AG0-Ant5 |          | 0.473      | 0.95 | 5mm  |                        |       |      |                  |                   |               |                  |
|         | WLAN     |          | 0.474      |      | 5mm  | 15                     | 65.5  | -203 |                  |                   |               |                  |
| Case 12 | AG1-Ant7 | Front    | 1.195      | 1.20 | 5mm  | -65                    | -77.8 | -203 | 151.7            | 2.57              | 0.03          | Not required     |
|         | AG0-Ant1 |          | 0.904      | 1.38 | 5mm  | -55                    | 73.6  | -203 |                  |                   |               |                  |
|         | WLAN     |          | 0.474      |      | 5mm  |                        |       |      |                  |                   |               |                  |
|         | AG1-Ant7 |          | 1.195      | 1.20 | 5mm  | -65                    | -77.8 | -203 | 164.1            | 2.57              | 0.03          | Not required     |
|         | AG0-Ant1 |          | 0.904      | 1.38 | 5mm  |                        |       |      |                  |                   |               |                  |
|         | WLAN     |          | 0.474      |      | 5mm  | 15                     | 65.5  | -203 |                  |                   |               |                  |
| Case 25 | AG1-Ant7 | Front    | 1.195      | 1.20 | 5mm  | -65                    | -77.8 | -203 | 131.6            | 2.09              | 0.02          | Not required     |
|         | AG0-Ant2 |          | 0.421      | 0.90 | 5mm  | -65                    | 53.8  | -203 |                  |                   |               |                  |
|         | WLAN     |          | 0.474      |      | 5mm  |                        |       |      |                  |                   |               |                  |
|         | AG1-Ant7 |          | 1.195      | 1.20 | 5mm  | -65                    | -77.8 | -203 | 164.1            | 2.09              | 0.02          | Not required     |
|         | AG0-Ant2 |          | 0.421      | 0.90 | 5mm  |                        |       |      |                  |                   |               |                  |
|         | WLAN     |          | 0.474      |      | 5mm  | 15                     | 65.5  | -203 |                  |                   |               |                  |
| Case 14 | AG1-Ant7 | Front    | 1.195      | 1.20 | 5mm  | -65                    | -77.8 | -203 | 168.5            | 2.13              | 0.02          | Not required     |
|         | AG0-Ant4 |          | 0.457      | 0.93 | 5mm  | -15.3                  | 83.2  | -203 |                  |                   |               |                  |
|         | WLAN     |          | 0.474      |      | 5mm  |                        |       |      |                  |                   |               |                  |
|         | AG1-Ant7 |          | 1.195      | 1.20 | 5mm  | -65                    | -77.8 | -203 | 164.1            | 2.13              | 0.02          | Not required     |
|         | AG0-Ant4 |          | 0.457      | 0.93 | 5mm  |                        |       |      |                  |                   |               |                  |
|         | WLAN     |          | 0.474      |      | 5mm  | 15                     | 65.5  | -203 |                  |                   |               |                  |
| Case 15 | AG1-Ant7 | Front    | 1.195      | 1.20 | 5mm  | -65                    | -77.8 | -203 | 174.6            | 2.14              | 0.02          | Not required     |
|         | AG0-Ant5 |          | 0.473      | 0.95 | 5mm  | 5                      | 82.2  | -203 |                  |                   |               |                  |
|         | WLAN     |          | 0.474      |      | 5mm  |                        |       |      |                  |                   |               |                  |
|         | AG1-Ant7 |          | 1.195      | 1.20 | 5mm  | -65                    | -77.8 | -203 | 164.1            | 2.14              | 0.02          | Not required     |
|         | AG0-Ant5 |          | 0.473      | 0.95 | 5mm  |                        |       |      |                  |                   |               |                  |
|         | WLAN     |          | 0.474      |      | 5mm  | 15                     | 65.5  | -203 |                  |                   |               |                  |
| Case 26 | AG1-Ant0 | Back     | 1.259      | 1.26 | 5mm  | -35                    | -77.1 | -203 | 150.8            | 2.59              | 0.03          | Not required     |
|         | AG0-Ant1 |          | 0.990      | 1.33 | 5mm  | -55                    | 72.4  | -203 |                  |                   |               |                  |
|         | WLAN     |          | 0.339      |      | 5mm  |                        |       |      |                  |                   |               |                  |



# FCC SAR Test Report

Report No. : FA202807-01

|         |          |           |       |      |     |       |       |      |       |      |      |              |
|---------|----------|-----------|-------|------|-----|-------|-------|------|-------|------|------|--------------|
|         | AG1-Ant0 | Back      | 1.259 | 1.26 | 5mm | -35   | -77.1 | -203 | 148.9 | 2.59 | 0.03 | Not required |
|         | AG0-Ant1 |           | 0.990 | 1.33 | 5mm |       |       |      |       |      |      |              |
|         | WLAN     |           | 0.339 |      | 5mm | 15    | 63.2  | -203 |       |      |      |              |
| Case 27 | AG1-Ant0 | Back      | 1.259 | 1.26 | 5mm | -35   | -77.1 | -203 | 134.3 | 1.91 | 0.02 | Not required |
|         | AG0-Ant2 |           | 0.314 | 0.65 | 5mm | -65   | 53.8  | -203 |       |      |      |              |
|         | WLAN     |           | 0.339 |      | 5mm |       |       |      |       |      |      |              |
|         | AG1-Ant0 | Back      | 1.259 | 1.26 | 5mm | -35   | -77.1 | -203 | 148.9 | 1.91 | 0.02 | Not required |
|         | AG0-Ant2 |           | 0.314 | 0.65 | 5mm |       |       |      |       |      |      |              |
|         | WLAN     |           | 0.339 |      | 5mm | 15    | 63.2  | -203 |       |      |      |              |
| Case 28 | AG1-Ant0 | Back      | 1.259 | 1.26 | 5mm | -35   | -77.1 | -203 | 161.5 | 2.01 | 0.02 | Not required |
|         | AG0-Ant4 |           | 0.415 | 0.75 | 5mm | -15.3 | 83.2  | -203 |       |      |      |              |
|         | WLAN     |           | 0.339 |      | 5mm |       |       |      |       |      |      |              |
|         | AG1-Ant0 | Back      | 1.259 | 1.26 | 5mm | -35   | -77.1 | -203 | 148.9 | 2.01 | 0.02 | Not required |
|         | AG0-Ant4 |           | 0.415 | 0.75 | 5mm |       |       |      |       |      |      |              |
|         | WLAN     |           | 0.339 |      | 5mm | 15    | 63.2  | -203 |       |      |      |              |
| Case 29 | AG1-Ant0 | Back      | 1.259 | 1.26 | 5mm | -35   | -77.1 | -203 | 164.2 | 1.98 | 0.02 | Not required |
|         | AG0-Ant5 |           | 0.383 | 0.72 | 5mm | 5     | 82.2  | -203 |       |      |      |              |
|         | WLAN     |           | 0.339 |      | 5mm |       |       |      |       |      |      |              |
|         | AG1-Ant0 | Back      | 1.259 | 1.26 | 5mm | -35   | -77.1 | -203 | 148.9 | 1.98 | 0.02 | Not required |
|         | AG0-Ant5 |           | 0.383 | 0.72 | 5mm |       |       |      |       |      |      |              |
|         | WLAN     |           | 0.339 |      | 5mm | 15    | 63.2  | -203 |       |      |      |              |
| Case 30 | AG1-Ant7 | Back      | 0.933 | 0.93 | 5mm | -65   | -63.5 | -203 | 136.3 | 2.26 | 0.03 | Not required |
|         | AG0-Ant1 |           | 0.990 | 1.33 | 5mm | -55   | 72.4  | -203 |       |      |      |              |
|         | WLAN     |           | 0.339 |      | 5mm |       |       |      |       |      |      |              |
|         | AG1-Ant7 | Back      | 0.933 | 0.93 | 5mm | -65   | -63.5 | -203 | 149.8 | 2.26 | 0.02 | Not required |
|         | AG0-Ant1 |           | 0.990 | 1.33 | 5mm |       |       |      |       |      |      |              |
|         | WLAN     |           | 0.339 |      | 5mm | 15    | 63.2  | -203 |       |      |      |              |
| Case 31 | AG1-Ant7 | Back      | 0.933 | 0.93 | 5mm | -65   | -63.5 | -203 | 154.9 | 1.69 | 0.01 | Not required |
|         | AG0-Ant4 |           | 0.415 | 0.75 | 5mm | -15.3 | 83.2  | -203 |       |      |      |              |
|         | WLAN     |           | 0.339 |      | 5mm |       |       |      |       |      |      |              |
|         | AG1-Ant7 | Back      | 0.933 | 0.93 | 5mm | -65   | -63.5 | -203 | 149.8 | 1.69 | 0.01 | Not required |
|         | AG0-Ant4 |           | 0.415 | 0.75 | 5mm |       |       |      |       |      |      |              |
|         | WLAN     |           | 0.339 |      | 5mm | 15    | 63.2  | -203 |       |      |      |              |
| Case 32 | AG1-Ant7 | Back      | 0.933 | 0.93 | 5mm | -65   | -63.5 | -203 | 161.6 | 1.66 | 0.01 | Not required |
|         | AG0-Ant5 |           | 0.383 | 0.72 | 5mm | 5     | 82.2  | -203 |       |      |      |              |
|         | WLAN     |           | 0.339 |      | 5mm |       |       |      |       |      |      |              |
|         | AG1-Ant7 | Back      | 0.933 | 0.93 | 5mm | -65   | -63.5 | -203 | 149.8 | 1.66 | 0.01 | Not required |
|         | AG0-Ant5 |           | 0.383 | 0.72 | 5mm |       |       |      |       |      |      |              |
|         | WLAN     |           | 0.339 |      | 5mm | 15    | 63.2  | -203 |       |      |      |              |
| Case 33 | AG1-Ant7 | Left Side | 1.238 | 1.24 | 5mm | -25   | -63.2 | -203 | 128.5 | 1.81 | 0.02 | Not required |
|         | AG0-Ant1 |           | 0.534 | 0.58 | 5mm | -22   | 65.3  | -203 |       |      |      |              |
|         | WLAN     |           | 0.041 |      | 5mm |       |       |      |       |      |      |              |
|         | AG1-Ant7 | Left Side | 1.238 | 1.24 | 5mm | -25   | -63.2 | -203 | 127.3 | 1.81 | 0.02 | Not required |
|         | AG0-Ant1 |           | 0.534 | 0.58 | 5mm |       |       |      |       |      |      |              |
|         | WLAN     |           | 0.041 |      | 5mm | -25   | 64.1  | -203 |       |      |      |              |
| Case 34 | AG1-Ant7 | Left Side | 1.238 | 1.24 | 5mm | -25   | -63.2 | -203 | 116.4 | 2.27 | 0.03 | Not required |
|         | AG0-Ant2 |           | 0.990 | 1.03 | 5mm | -33   | 52.9  | -203 |       |      |      |              |
|         | WLAN     |           | 0.041 |      | 5mm |       |       |      |       |      |      |              |
|         | AG1-Ant7 | Left Side | 1.238 | 1.24 | 5mm | -25   | -63.2 | -203 | 127.3 | 2.27 | 0.03 | Not required |
|         | AG0-Ant2 |           | 0.990 | 1.03 | 5mm |       |       |      |       |      |      |              |
|         | WLAN     |           | 0.041 |      | 5mm | -25   | 64.1  | -203 |       |      |      |              |





**<Body-worn>**

| Case No | Band     | Position | SAR (W/kg) |      | Gap<br>(mm) | SAR peak location (mm) |       |      | 3D<br>distance<br>(mm) | Summed<br>SAR<br>(W/kg) | SPLSR<br>Results | Simultaneous<br>SAR |
|---------|----------|----------|------------|------|-------------|------------------------|-------|------|------------------------|-------------------------|------------------|---------------------|
|         |          |          |            |      |             | X                      | Y     | Z    |                        |                         |                  |                     |
| Case 8  | AG1-Ant0 | Front    | 1.208      | 1.21 | 5mm         | -35                    | -77.8 | -203 | 152.7                  | 2.59                    | 0.03             | Not required        |
|         | AG0-Ant1 |          | 0.904      | 1.38 | 5mm         | -55                    | 73.6  | -203 |                        |                         |                  |                     |
|         | WLAN     |          | 0.474      |      | 5mm         |                        |       |      |                        |                         |                  |                     |
|         | AG1-Ant0 |          | 1.208      | 1.21 | 5mm         | -35                    | -77.8 | -203 | 151.8                  | 2.59                    | 0.03             | Not required        |
|         | AG0-Ant1 |          | 0.904      | 1.38 | 5mm         |                        |       |      |                        |                         |                  |                     |
|         | WLAN     |          | 0.474      |      | 5mm         | 15                     | 65.5  | -203 |                        |                         |                  |                     |
| Case 9  | AG1-Ant0 | Front    | 1.208      | 1.21 | 5mm         | -35                    | -77.1 | -203 | 134.3                  | 2.13                    | 0.02             | Not required        |
|         | AG0-Ant2 |          | 0.445      | 0.92 | 5mm         | -65                    | 53.8  | -203 |                        |                         |                  |                     |
|         | WLAN     |          | 0.474      |      | 5mm         |                        |       |      |                        |                         |                  |                     |
|         | AG1-Ant0 |          | 1.208      | 1.21 | 5mm         | -35                    | -77.1 | -203 | 151.1                  | 2.13                    | 0.02             | Not required        |
|         | AG0-Ant2 |          | 0.445      | 0.92 | 5mm         |                        |       |      |                        |                         |                  |                     |
|         | WLAN     |          | 0.474      |      | 5mm         | 15                     | 65.5  | -203 |                        |                         |                  |                     |
| Case 10 | AG1-Ant0 | Front    | 1.208      | 1.21 | 5mm         | -35                    | -77.1 | -203 | 161.5                  | 2.14                    | 0.02             | Not required        |
|         | AG0-Ant4 |          | 0.457      | 0.93 | 5mm         | -15.3                  | 83.2  | -203 |                        |                         |                  |                     |
|         | WLAN     |          | 0.474      |      | 5mm         |                        |       |      |                        |                         |                  |                     |
|         | AG1-Ant0 |          | 1.208      | 1.21 | 5mm         | -35                    | -77.1 | -203 | 151.1                  | 2.14                    | 0.02             | Not required        |
|         | AG0-Ant4 |          | 0.457      | 0.93 | 5mm         |                        |       |      |                        |                         |                  |                     |
|         | WLAN     |          | 0.474      |      | 5mm         | 15                     | 65.5  | -203 |                        |                         |                  |                     |
| Case 11 | AG1-Ant0 | Front    | 1.208      | 1.21 | 5mm         | -35                    | -77.1 | -203 | 164.2                  | 2.16                    | 0.02             | Not required        |
|         | AG0-Ant5 |          | 0.473      | 0.95 | 5mm         | 5                      | 82.2  | -203 |                        |                         |                  |                     |
|         | WLAN     |          | 0.474      |      | 5mm         |                        |       |      |                        |                         |                  |                     |
|         | AG1-Ant0 |          | 1.208      | 1.21 | 5mm         | -35                    | -77.1 | -203 | 151.1                  | 2.16                    | 0.02             | Not required        |
|         | AG0-Ant5 |          | 0.473      | 0.95 | 5mm         |                        |       |      |                        |                         |                  |                     |
|         | WLAN     |          | 0.474      |      | 5mm         | 15                     | 65.5  | -203 |                        |                         |                  |                     |
| Case 12 | AG1-Ant7 | Front    | 1.195      | 1.20 | 5mm         | -65                    | -77.8 | -203 | 151.7                  | 2.57                    | 0.03             | Not required        |
|         | AG0-Ant1 |          | 0.904      | 1.38 | 5mm         | -55                    | 73.6  | -203 |                        |                         |                  |                     |
|         | WLAN     |          | 0.474      |      | 5mm         |                        |       |      |                        |                         |                  |                     |
|         | AG1-Ant7 |          | 1.195      | 1.20 | 5mm         | -65                    | -77.8 | -203 | 164.1                  | 2.57                    | 0.03             | Not required        |
|         | AG0-Ant1 |          | 0.904      | 1.38 | 5mm         |                        |       |      |                        |                         |                  |                     |
|         | WLAN     |          | 0.474      |      | 5mm         | 15                     | 65.5  | -203 |                        |                         |                  |                     |
| Case 13 | AG1-Ant7 | Front    | 1.195      | 1.20 | 5mm         | -65                    | -77.8 | -203 | 131.6                  | 2.11                    | 0.02             | Not required        |
|         | AG0-Ant2 |          | 0.445      | 0.92 | 5mm         | -65                    | 53.8  | -203 |                        |                         |                  |                     |
|         | WLAN     |          | 0.474      |      | 5mm         |                        |       |      |                        |                         |                  |                     |
|         | AG1-Ant7 |          | 1.195      | 1.20 | 5mm         | -65                    | -77.8 | -203 | 164.1                  | 2.11                    | 0.02             | Not required        |
|         | AG0-Ant2 |          | 0.445      | 0.92 | 5mm         |                        |       |      |                        |                         |                  |                     |
|         | WLAN     |          | 0.474      |      | 5mm         | 15                     | 65.5  | -203 |                        |                         |                  |                     |
| Case 14 | AG1-Ant7 | Front    | 1.195      | 1.20 | 5mm         | -65                    | -77.8 | -203 | 168.5                  | 2.13                    | 0.02             | Not required        |
|         | AG0-Ant4 |          | 0.457      | 0.93 | 5mm         | -15.3                  | 83.2  | -203 |                        |                         |                  |                     |
|         | WLAN     |          | 0.474      |      | 5mm         |                        |       |      |                        |                         |                  |                     |
|         | AG1-Ant7 |          | 1.195      | 1.20 | 5mm         | -65                    | -77.8 | -203 | 164.1                  | 2.13                    | 0.02             | Not required        |
|         | AG0-Ant4 |          | 0.457      | 0.93 | 5mm         |                        |       |      |                        |                         |                  |                     |
|         | WLAN     |          | 0.474      |      | 5mm         | 15                     | 65.5  | -203 |                        |                         |                  |                     |
| Case 15 | AG1-Ant7 | Front    | 1.195      | 1.20 | 5mm         | -65                    | -77.8 | -203 | 174.6                  | 2.14                    | 0.02             | Not required        |
|         | AG0-Ant5 |          | 0.473      | 0.95 | 5mm         | 5                      | 82.2  | -203 |                        |                         |                  |                     |
|         | WLAN     |          | 0.474      |      | 5mm         |                        |       |      |                        |                         |                  |                     |
|         | AG1-Ant7 |          | 1.195      | 1.20 | 5mm         | -65                    | -77.8 | -203 | 164.1                  | 2.14                    | 0.02             | Not required        |
|         | AG0-Ant5 |          | 0.473      | 0.95 | 5mm         |                        |       |      |                        |                         |                  |                     |
|         | WLAN     |          | 0.474      |      | 5mm         | 15                     | 65.5  | -203 |                        |                         |                  |                     |
| Case 16 | AG1-Ant0 | Back     | 1.259      | 1.26 | 5mm         | -15                    | -73.1 | -203 | 147.1                  | 2.61                    | 0.03             | Not required        |
|         | AG0-Ant1 |          | 0.990      | 1.35 | 5mm         | -10                    | 73.9  | -203 |                        |                         |                  |                     |
|         | WLAN     |          | 0.357      |      | 5mm         |                        |       |      |                        |                         |                  |                     |



# FCC SAR Test Report

Report No. : FA202807-01

|         |          |      |       |      |     |       |       |      |       |      |      |              |
|---------|----------|------|-------|------|-----|-------|-------|------|-------|------|------|--------------|
|         | AG1-Ant0 |      | 1.259 | 1.26 | 5mm | -15   | -73.1 | -203 | 131.5 | 2.61 | 0.03 | Not required |
|         | AG0-Ant1 |      | 0.990 | 1.35 | 5mm |       |       |      |       |      |      |              |
|         | WLAN     |      | 0.357 |      | 5mm | -64.2 | 48.9  | -203 |       |      |      |              |
| Case 17 | AG1-Ant0 | Back | 1.259 | 1.26 | 5mm | -15   | -73.1 | -203 | 133.3 | 1.93 | 0.02 | Not required |
|         | AG0-Ant2 |      | 0.314 | 0.67 | 5mm | 15    | 56.8  | -203 |       |      |      |              |
|         | WLAN     |      | 0.357 |      | 5mm |       |       |      |       |      |      |              |
|         | AG1-Ant0 |      | 1.259 | 1.26 | 5mm | -15   | -73.1 | -203 | 131.5 | 1.93 | 0.02 | Not required |
|         | AG0-Ant2 |      | 0.314 | 0.67 | 5mm |       |       |      |       |      |      |              |
|         | WLAN     |      | 0.357 |      | 5mm | -64.2 | 48.9  | -203 |       |      |      |              |
| Case 18 | AG1-Ant0 | Back | 1.259 | 1.26 | 5mm | -15   | -73.1 | -203 | 155.9 | 2.03 | 0.02 | Not required |
|         | AG0-Ant4 |      | 0.415 | 0.77 | 5mm | -25   | 82.5  | -203 |       |      |      |              |
|         | WLAN     |      | 0.357 |      | 5mm |       |       |      |       |      |      |              |
|         | AG1-Ant0 |      | 1.259 | 1.26 | 5mm | -15   | -73.1 | -203 | 131.5 | 2.03 | 0.02 | Not required |
|         | AG0-Ant4 |      | 0.415 | 0.77 | 5mm |       |       |      |       |      |      |              |
|         | WLAN     |      | 0.357 |      | 5mm | -64.2 | 48.9  | -203 |       |      |      |              |
| Case 19 | AG1-Ant0 | Back | 1.259 | 1.26 | 5mm | -15   | -73.1 | -203 | 156.1 | 2.00 | 0.02 | Not required |
|         | AG0-Ant5 |      | 0.383 | 0.74 | 5mm | -55   | 77.8  | -203 |       |      |      |              |
|         | WLAN     |      | 0.357 |      | 5mm |       |       |      |       |      |      |              |
|         | AG1-Ant0 |      | 1.259 | 1.26 | 5mm | -15   | -73.1 | -203 | 131.5 | 2.00 | 0.02 | Not required |
|         | AG0-Ant5 |      | 0.383 | 0.74 | 5mm |       |       |      |       |      |      |              |
|         | WLAN     |      | 0.357 |      | 5mm | -64.2 | 48.9  | -203 |       |      |      |              |
| Case 20 | AG1-Ant7 | Back | 0.933 | 0.93 | 5mm | 5     | -68.8 | -203 | 143.5 | 2.28 | 0.02 | Not required |
|         | AG0-Ant1 |      | 0.990 | 1.35 | 5mm | -10   | 73.9  | -203 |       |      |      |              |
|         | WLAN     |      | 0.357 |      | 5mm |       |       |      |       |      |      |              |
|         | AG1-Ant7 |      | 0.933 | 0.93 | 5mm | 5     | -68.8 | -203 | 136.5 | 2.28 | 0.03 | Not required |
|         | AG0-Ant1 |      | 0.990 | 1.35 | 5mm |       |       |      |       |      |      |              |
|         | WLAN     |      | 0.357 |      | 5mm | -64.2 | 48.9  | -203 |       |      |      |              |
| Case 21 | AG1-Ant7 | Back | 0.933 | 0.93 | 5mm | 5     | -68.8 | -203 | 126.0 | 1.60 | 0.02 | Not required |
|         | AG0-Ant2 |      | 0.314 | 0.67 | 5mm | 15    | 56.8  | -203 |       |      |      |              |
|         | WLAN     |      | 0.357 |      | 5mm |       |       |      |       |      |      |              |
|         | AG1-Ant7 |      | 0.933 | 0.93 | 5mm | 5     | -68.8 | -203 | 136.5 | 1.60 | 0.01 | Not required |
|         | AG0-Ant2 |      | 0.314 | 0.67 | 5mm |       |       |      |       |      |      |              |
|         | WLAN     |      | 0.357 |      | 5mm | -64.2 | 48.9  | -203 |       |      |      |              |
| Case 22 | AG1-Ant7 | Back | 0.933 | 0.93 | 5mm | 5     | -68.8 | -203 | 154.2 | 1.71 | 0.01 | Not required |
|         | AG0-Ant4 |      | 0.415 | 0.77 | 5mm | -25   | 82.5  | -203 |       |      |      |              |
|         | WLAN     |      | 0.357 |      | 5mm |       |       |      |       |      |      |              |
|         | AG1-Ant7 |      | 0.933 | 0.93 | 5mm | 5     | -68.8 | -203 | 136.5 | 1.71 | 0.02 | Not required |
|         | AG0-Ant4 |      | 0.415 | 0.77 | 5mm |       |       |      |       |      |      |              |
|         | WLAN     |      | 0.357 |      | 5mm | -64.2 | 48.9  | -203 |       |      |      |              |
| Case 23 | AG1-Ant7 | Back | 0.933 | 0.93 | 5mm | 5     | -68.8 | -203 | 158.4 | 1.67 | 0.01 | Not required |
|         | AG0-Ant5 |      | 0.383 | 0.74 | 5mm | -55   | 77.8  | -203 |       |      |      |              |
|         | WLAN     |      | 0.357 |      | 5mm |       |       |      |       |      |      |              |
|         | AG1-Ant7 |      | 0.933 | 0.93 | 5mm | 5     | -68.8 | -203 | 136.5 | 1.67 | 0.02 | Not required |
|         | AG0-Ant5 |      | 0.383 | 0.74 | 5mm |       |       |      |       |      |      |              |
|         | WLAN     |      | 0.357 |      | 5mm | -64.2 | 48.9  | -203 |       |      |      |              |



## &lt;Extremity&gt;

| Case No | Band     | Position  | SAR (W/kg) |      | Gap (mm) | SAR peak location (mm) |       |      | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
|---------|----------|-----------|------------|------|----------|------------------------|-------|------|------------------|-------------------|---------------|------------------|
|         |          |           |            |      |          | X                      | Y     | Z    |                  |                   |               |                  |
| Case 35 | AG1-Ant0 | Front     | 2.749      | 2.75 | 0mm      | -35                    | -97.6 | -203 | 179.9            | 6.30              | 0.09          | Not required     |
|         | AG0-Ant1 |           | 2.756      | 3.55 | 0mm      | -55                    | 81.2  | -203 |                  |                   |               |                  |
|         | WLAN     |           | 0.792      |      | 0mm      |                        |       |      |                  |                   |               |                  |
|         | AG1-Ant0 |           | 2.749      | 2.75 | 0mm      | -35                    | -97.6 | -203 | 178.1            | 6.30              | 0.09          | Not required     |
|         | AG0-Ant1 |           | 2.756      | 3.55 | 0mm      |                        |       |      |                  |                   |               |                  |
|         | WLAN     |           | 0.792      |      | 0mm      | 5                      | 75.9  | -203 |                  |                   |               |                  |
| Case 36 | AG1-Ant0 | Front     | 2.749      | 2.75 | 0mm      | -35                    | -97.6 | -203 | 154.7            | 5.56              | 0.08          | Not required     |
|         | AG0-Ant2 |           | 2.019      | 2.81 | 0mm      | -65                    | 54.2  | -203 |                  |                   |               |                  |
|         | WLAN     |           | 0.792      |      | 0mm      |                        |       |      |                  |                   |               |                  |
|         | AG1-Ant0 |           | 2.749      | 2.75 | 0mm      | -35                    | -97.6 | -203 | 178.1            | 5.56              | 0.07          | Not required     |
|         | AG0-Ant2 |           | 2.019      | 2.81 | 0mm      |                        |       |      |                  |                   |               |                  |
|         | WLAN     |           | 0.792      |      | 0mm      | 5                      | 75.9  | -203 |                  |                   |               |                  |
| Case 37 | AG1-Ant0 | Front     | 2.749      | 2.75 | 0mm      | -35                    | -97.6 | -203 | 181.9            | 6.31              | 0.09          | Not required     |
|         | AG0-Ant4 |           | 2.765      | 3.56 | 0mm      | -15                    | 83.2  | -203 |                  |                   |               |                  |
|         | WLAN     |           | 0.792      |      | 0mm      |                        |       |      |                  |                   |               |                  |
|         | AG1-Ant0 |           | 2.749      | 2.75 | 0mm      | -35                    | -97.6 | -203 | 178.1            | 6.31              | 0.09          | Not required     |
|         | AG0-Ant4 |           | 2.765      | 3.56 | 0mm      |                        |       |      |                  |                   |               |                  |
|         | WLAN     |           | 0.792      |      | 0mm      | 5                      | 75.9  | -203 |                  |                   |               |                  |
| Case 38 | AG1-Ant0 | Front     | 2.749      | 2.75 | 0mm      | -35                    | -97.6 | -203 | 176.9            | 6.28              | 0.09          | Not required     |
|         | AG0-Ant5 |           | 2.738      | 3.53 | 0mm      | 5                      | 74.7  | -203 |                  |                   |               |                  |
|         | WLAN     |           | 0.792      |      | 0mm      |                        |       |      |                  |                   |               |                  |
|         | AG1-Ant0 |           | 2.749      | 2.75 | 0mm      | -35                    | -97.6 | -203 | 178.1            | 6.28              | 0.09          | Not required     |
|         | AG0-Ant5 |           | 2.738      | 3.53 | 0mm      |                        |       |      |                  |                   |               |                  |
|         | WLAN     |           | 0.792      |      | 0mm      | 5                      | 75.9  | -203 |                  |                   |               |                  |
| Case 39 | AG1-Ant7 | Front     | 1.430      | 1.43 | 0mm      | -55                    | -70.8 | -203 | 152.0            | 4.98              | 0.07          | Not required     |
|         | AG0-Ant1 |           | 2.756      | 3.55 | 0mm      | -55                    | 81.2  | -203 |                  |                   |               |                  |
|         | WLAN     |           | 0.792      |      | 0mm      |                        |       |      |                  |                   |               |                  |
|         | AG1-Ant7 |           | 1.430      | 1.43 | 0mm      | -55                    | -70.8 | -203 | 158.5            | 4.98              | 0.07          | Not required     |
|         | AG0-Ant1 |           | 2.756      | 3.55 | 0mm      |                        |       |      |                  |                   |               |                  |
|         | WLAN     |           | 0.792      |      | 0mm      | 5                      | 75.9  | -203 |                  |                   |               |                  |
| Case 44 | AG1-Ant7 | Front     | 1.430      | 1.43 | 0mm      | -55                    | -70.8 | -203 | 125.4            | 4.24              | 0.07          | Not required     |
|         | AG0-Ant2 |           | 2.019      | 2.81 | 0mm      | -65                    | 54.2  | -203 |                  |                   |               |                  |
|         | WLAN     |           | 0.792      |      | 0mm      |                        |       |      |                  |                   |               |                  |
|         | AG1-Ant7 |           | 1.430      | 1.43 | 0mm      | -55                    | -70.8 | -203 | 158.5            | 4.24              | 0.06          | Not required     |
|         | AG0-Ant2 |           | 2.019      | 2.81 | 0mm      |                        |       |      |                  |                   |               |                  |
|         | WLAN     |           | 0.792      |      | 0mm      | 5                      | 75.9  | -203 |                  |                   |               |                  |
| Case 45 | AG1-Ant7 | Front     | 1.430      | 1.43 | 0mm      | -55                    | -70.8 | -203 | 159.1            | 4.99              | 0.07          | Not required     |
|         | AG0-Ant4 |           | 2.765      | 3.56 | 0mm      | -15                    | 83.2  | -203 |                  |                   |               |                  |
|         | WLAN     |           | 0.792      |      | 0mm      |                        |       |      |                  |                   |               |                  |
|         | AG1-Ant7 |           | 1.430      | 1.43 | 0mm      | -55                    | -70.8 | -203 | 158.5            | 4.99              | 0.07          | Not required     |
|         | AG0-Ant4 |           | 2.765      | 3.56 | 0mm      |                        |       |      |                  |                   |               |                  |
|         | WLAN     |           | 0.792      |      | 0mm      | 5                      | 75.9  | -203 |                  |                   |               |                  |
| Case 46 | AG1-Ant7 | Front     | 1.430      | 1.43 | 0mm      | -55                    | -70.8 | -203 | 157.4            | 4.96              | 0.07          | Not required     |
|         | AG0-Ant5 |           | 2.738      | 3.53 | 0mm      | 5                      | 74.7  | -203 |                  |                   |               |                  |
|         | WLAN     |           | 0.792      |      | 0mm      |                        |       |      |                  |                   |               |                  |
|         | AG1-Ant7 |           | 1.430      | 1.43 | 0mm      | -55                    | -70.8 | -203 | 158.5            | 4.96              | 0.07          | Not required     |
|         | AG0-Ant5 |           | 2.738      | 3.53 | 0mm      |                        |       |      |                  |                   |               |                  |
|         | WLAN     |           | 0.792      |      | 0mm      | 5                      | 75.9  | -203 |                  |                   |               |                  |
| Case 43 | AG1-Ant7 | Left Side | 2.752      | 2.75 | 0mm      | -25                    | -86.8 | -203 | 157.6            | 5.52              | 0.08          | Not required     |
|         | AG0-Ant2 |           | 2.748      | 2.77 | 0mm      | -33                    | 70.6  | -203 |                  |                   |               |                  |
|         | WLAN     |           | 0.017      |      | 0mm      |                        |       |      |                  |                   |               |                  |
|         | AG1-Ant7 |           | 2.752      | 2.75 | 0mm      | -25                    | -86.8 | -203 | 157.2            | 5.52              | 0.08          | Not required     |
|         | AG0-Ant2 |           | 2.748      | 2.77 | 0mm      |                        |       |      |                  |                   |               |                  |
|         | WLAN     |           | 0.017      |      | 0mm      | -25                    | 70.4  | -203 |                  |                   |               |                  |

| Case No | Band     | Position | SAR (W/kg) |      | Gap  | SAR peak location (mm) |       |      | 3D distance (mm) | Summed SAR (W/kg) | SPLSR Results | Simultaneous SAR |
|---------|----------|----------|------------|------|------|------------------------|-------|------|------------------|-------------------|---------------|------------------|
|         |          |          |            |      | (mm) | X                      | Y     | Z    |                  |                   |               |                  |
| Case 40 | AG1-Ant0 | Back     | 2.756      | 2.76 | 0mm  | -25                    | -69.1 | -203 | 147.0            | 5.03              | 0.08          | Not required     |
|         | AG0-Ant1 |          | 2.076      | 2.28 | 0mm  | -15                    | 77.6  | -203 |                  |                   |               |                  |
|         | WLAN     |          | 0.200      |      | 0mm  |                        |       |      |                  |                   |               |                  |
|         | AG1-Ant0 |          | 2.756      | 2.76 | 0mm  | -25                    | -69.1 | -203 | 145.5            | 5.03              | 0.08          | Not required     |
|         | AG0-Ant1 |          | 2.076      | 2.28 | 0mm  |                        |       |      |                  |                   |               |                  |
|         | WLAN     |          | 0.200      |      | 0mm  | -65                    | 70.8  | -203 |                  |                   |               |                  |
| Case 41 | AG1-Ant0 | Back     | 2.756      | 2.76 | 0mm  | -25                    | -69.1 | -203 | 151.9            | 4.28              | 0.06          | Not required     |
|         | AG0-Ant4 |          | 1.326      | 1.53 | 0mm  | -25                    | 82.8  | -203 |                  |                   |               |                  |
|         | WLAN     |          | 0.200      |      | 0mm  |                        |       |      |                  |                   |               |                  |
|         | AG1-Ant0 |          | 2.756      | 2.76 | 0mm  | -25                    | -69.1 | -203 | 145.5            | 4.28              | 0.06          | Not required     |
|         | AG0-Ant4 |          | 1.326      | 1.53 | 0mm  |                        |       |      |                  |                   |               |                  |
|         | WLAN     |          | 0.200      |      | 0mm  | -65                    | 70.8  | -203 |                  |                   |               |                  |
| Case 42 | AG1-Ant0 | Back     | 2.756      | 2.76 | 0mm  | -25                    | -69.1 | -203 | 132.1            | 4.41              | 0.07          | Not required     |
|         | AG0-Ant2 |          | 1.454      | 1.65 | 0mm  | 15                     | 56.8  | -203 |                  |                   |               |                  |
|         | WLAN     |          | 0.200      |      | 0mm  |                        |       |      |                  |                   |               |                  |
|         | AG1-Ant0 |          | 2.756      | 2.76 | 0mm  | -25                    | -69.1 | -203 | 145.5            | 4.41              | 0.06          | Not required     |
|         | AG0-Ant2 |          | 1.454      | 1.65 | 0mm  |                        |       |      |                  |                   |               |                  |
|         | WLAN     |          | 0.200      |      | 0mm  | -65                    | 70.8  | -203 |                  |                   |               |                  |

## 17.8 Maximum Report SAR And SAR Peak Locations

### General Note:

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

### <Head>

| Right Cheek |            |                      |               |            |                       |             |            |                       |
|-------------|------------|----------------------|---------------|------------|-----------------------|-------------|------------|-----------------------|
| BT Ant6     | SAR (W/kg) | 0.06                 | WLAN2.4G MIMO | SAR (W/kg) | 0.146                 |             |            |                       |
|             | Axis       | X30.1;Y-261.4;Z-169  |               | Axis       | X30.7;Y-261.1;Z-169   |             |            |                       |
| BT Ant3     | SAR (W/kg) | 0.086                | WLAN5G MIMO   | SAR (W/kg) | 0.146                 | WLAN6E MIMO | SAR (W/kg) | 0.187                 |
|             | Axis       | X9.7;Y-301.1;Z-169.2 |               | Axis       | X-0.7;Y-301.2;Z-166.5 |             | Axis       | X0.28;Y-299.6;Z-166.8 |
| Left Cheek  |            |                      |               |            |                       |             |            |                       |
| BT Ant6     | SAR (W/kg) | 0.189                | WLAN2.4G MIMO | SAR (W/kg) | 0.354                 |             |            |                       |
|             | Axis       | X45.8;Y330;Z169.9    |               | Axis       | X22.6;Y333.5;Z-169.7  |             |            |                       |
| BT Ant3     | SAR (W/kg) | 0.167                | WLAN5G MIMO   | SAR (W/kg) | 0.399                 | WLAN6E MIMO | SAR (W/kg) | 0.284                 |
|             | Axis       | X14.5;Y326.5;Z-169.8 |               | Axis       | X18.9;Y323.8;Z-171.2  |             | Axis       | X18.9;Y326.1;Z-169.8  |
| Left Tilted |            |                      |               |            |                       |             |            |                       |
| BT Ant6     | SAR (W/kg) | 0.048                | WLAN2.4G MIMO | SAR (W/kg) | 0.37                  |             |            |                       |
|             | Axis       | X43.8;Y331.8;Z-169.8 |               | Axis       | X14.6;Y325.8;Z-171.2  |             |            |                       |
| BT Ant3     | SAR (W/kg) | 0.172                | WLAN5G MIMO   | SAR (W/kg) | 0.33                  | WLAN6E MIMO | SAR (W/kg) | 0.399                 |
|             | Axis       | X12.9;Y326.8;Z-171.4 |               | Axis       | X20.8;Y322.9;Z-171.4  |             | Axis       | X20.5;Y322.6;Z-171.2  |

| Right Cheek |            |                       |      |      |                       |      |      |
|-------------|------------|-----------------------|------|------|-----------------------|------|------|
| Band        |            | Ant0                  | Ant2 | Ant4 | Ant1                  | Ant5 | Ant7 |
| GSM850      | SAR (W/kg) | 0.333                 |      |      | 0.983                 |      |      |
|             | Axis       | X54.8;Y-264.1;Z-170.8 |      |      | X23.9;Y-331.9;Z-169.9 |      |      |
| GSM1900     | SAR (W/kg) | 0.001                 |      |      | 0.989                 |      |      |
|             | Axis       | X68.8;Y-259.6;Z-168.8 |      |      | X19.9;Y-334.8;Z-169.9 |      |      |
| WCDMA II    | SAR (W/kg) | 0.111                 |      |      | 0.989                 |      |      |
|             | Axis       | X66.1;Y-257.4;Z-169.2 |      |      | X9.9;Y-323.2;Z-168.9  |      |      |
| WCDMA IV    | SAR (W/kg) | 0.055                 |      |      | 0.977                 |      |      |
|             | Axis       | X52.8;Y-246.5;Z-168.9 |      |      | X21.9;Y-333.8;Z-169.8 |      |      |
| WCDMA V     | SAR (W/kg) | 0.332                 |      |      | 0.983                 |      |      |
|             | Axis       | X56.6;Y-260.5;Z-171.4 |      |      | X23.9;Y-331.9;Z-168.9 |      |      |
| LTE Band 2  | SAR (W/kg) | 0.127                 |      |      | 0.989                 |      |      |
|             | Axis       | X69.8;Y-258.4;Z-168.9 |      |      | X20.1;Y-323.5;Z-169.1 |      |      |
| LTE Band 7  | SAR (W/kg) | 0.019                 |      |      | 0.845                 |      |      |
|             | Axis       | X61.5;Y-241.8;Z-166.8 |      |      | X22.9;Y-332.8;Z-168.8 |      |      |
| LTE Band 12 | SAR (W/kg) | 0.185                 |      |      | 0.921                 |      |      |
|             | Axis       | X59.5;Y-258.8;Z-168.9 |      |      | X22.4;Y-328.8;Z-169.5 |      |      |
| LTE Band 13 | SAR (W/kg) | 0.205                 |      |      | 0.959                 |      |      |
|             | Axis       | X58.5;Y-259.8;Z-169.4 |      |      | X24.1;Y-324.9;Z-169.1 |      |      |
| LTE Band 14 | SAR (W/kg) | 0.222                 |      |      | 0.984                 |      |      |
|             | Axis       | X59.1;Y-260.2;Z-170.3 |      |      | X22.4;Y-333.1;Z-168.8 |      |      |
| LTE Band 26 | SAR (W/kg) | 0.213                 |      |      | 0.978                 |      |      |
|             | Axis       | X58.8;Y-259.9;Z-171.1 |      |      | X24.8;Y-331.2;Z-168.7 |      |      |
| LTE Band 41 | SAR (W/kg) | 0.098                 |      |      | 0.363                 |      |      |
|             | Axis       | X60.2;Y-242.8;Z-168.8 |      |      | X8.1;Y-318.8;Z-168.8  |      |      |
| LTE Band 66 | SAR (W/kg) | 0.123                 |      |      | 0.98                  |      |      |
|             | Axis       | X52.9;Y-244.9;Z-168.3 |      |      | X22.1;Y-333.8;Z-168.4 |      |      |
| LTE Band 71 | SAR (W/kg) | 0.101                 |      |      | 0.681                 |      |      |
|             | Axis       | X60.2;Y-258.5;Z-167.9 |      |      | X23.2;Y-331.8;Z-169.1 |      |      |
| LTE Band 48 | SAR (W/kg) |                       | 0.98 |      |                       |      |      |



# FCC SAR Test Report

Report No. : FA202807-01

|         |            |                       |                       |    |                       |    |                          |
|---------|------------|-----------------------|-----------------------|----|-----------------------|----|--------------------------|
|         | Axis       |                       | X51.5;Y-328.1;Z-168.4 |    |                       |    |                          |
| FR1 n2  | SAR (W/kg) | 0.068                 |                       |    | 0.977                 |    |                          |
|         | Axis       | X69.1;Y-257.7;Z-169.5 |                       |    | X19.9;Y-334.2;Z-170.2 |    |                          |
| FR1 n5  | SAR (W/kg) | 0.183                 |                       |    | 0.99                  |    |                          |
|         | Axis       | X58.1;Y-263.1;Z-169.2 |                       |    | X25.2;Y-329.8;Z-168.8 |    |                          |
| FR1 n7  | SAR (W/kg) | 0.081                 |                       |    | 0.805                 |    |                          |
|         | Axis       | X49.8;Y-250.1;Z-169.8 |                       |    | X20.2;Y-323.8;Z-168.8 |    |                          |
| FR1 n14 | SAR (W/kg) | 0.174                 |                       |    |                       |    |                          |
|         | Axis       | X57.7;Y-258.8;Z-169.5 |                       |    |                       |    |                          |
| FR1 n66 | SAR (W/kg) | 0.101                 |                       |    | 0.982                 |    |                          |
|         | Axis       | X55.8;Y-244.4;Z-168.4 |                       |    | X19.9;Y-334.8;Z-171.2 |    |                          |
| FR1 n71 | SAR (W/kg) | 0.078                 |                       |    | 0.912                 |    |                          |
|         | Axis       | X62.2;Y-258.1;Z-166.5 |                       |    | X22.7;Y-330.9;Z-168.8 |    |                          |
| FR1 n41 | SAR (W/kg) | 0.087                 | 0.974                 |    | 0.56                  |    | 0.189                    |
|         | Axis       | X51.7;Y-258.2;Z-170.9 | X48.9;Y-325.6;Z-166.1 |    | X19.8;Y-323.5;Z-171.2 |    | X111.8;Y-263.1.7;Z-127.4 |
| FR1 n48 | SAR (W/kg) |                       | 0.984                 |    |                       |    |                          |
|         | Axis       |                       | X50.9;Y-329.9;Z-166.8 |    |                       |    |                          |
| FR1 n77 | SAR (W/kg) |                       | 0.974                 | NA |                       | NA | 0.163                    |
|         | Axis       |                       | X49.2;Y-328.8;Z-171.5 | NA |                       | NA | X111.8;Y-266.9.7;Z-127.4 |

| Left Cheek  |            |                       |      |      |      |      |      |
|-------------|------------|-----------------------|------|------|------|------|------|
| Band        |            | Ant0                  | Ant2 | Ant4 | Ant1 | Ant5 | Ant7 |
| GSM850      | SAR (W/kg) | 0.203                 |      |      | NA   |      |      |
|             | Axis       | X68.9;Y280.5;Z-171.1  |      |      | NA   |      |      |
| GSM1900     | SAR (W/kg) | 0.087                 |      |      | NA   |      |      |
|             | Axis       | X53.9;Y245.9;Z-168.8  |      |      | NA   |      |      |
| WCDMA II    | SAR (W/kg) | 0.215                 |      |      | NA   |      |      |
|             | Axis       | X53.4;Y245.8;Z-168.9  |      |      | NA   |      |      |
| WCDMA IV    | SAR (W/kg) | 0.177                 |      |      | NA   |      |      |
|             | Axis       | X54.9;Y245.8;Z-168.8  |      |      | NA   |      |      |
| WCDMA V     | SAR (W/kg) | 0.201                 |      |      | NA   |      |      |
|             | Axis       | X56.4;Y278.2;Z-170.1  |      |      | NA   |      |      |
| LTE Band 2  | SAR (W/kg) | 0.229                 |      |      | NA   |      |      |
|             | Axis       | X53.7;Y245.2;Z-168.3  |      |      | NA   |      |      |
| LTE Band 7  | SAR (W/kg) | 0.091                 |      |      | NA   |      |      |
|             | Axis       | X54.8;Y278.6;Z-171    |      |      | NA   |      |      |
| LTE Band 12 | SAR (W/kg) | 0.144                 |      |      | NA   |      |      |
|             | Axis       | X68.8;Y279.4;Z-168.6  |      |      | NA   |      |      |
| LTE Band 13 | SAR (W/kg) | 0.153                 |      |      | NA   |      |      |
|             | Axis       | X68.7;Y278.6;Z-168.9  |      |      | NA   |      |      |
| LTE Band 14 | SAR (W/kg) | 0.13                  |      |      | NA   |      |      |
|             | Axis       | X69.9;Y279.5;Z-170.5  |      |      | NA   |      |      |
| LTE Band 26 | SAR (W/kg) | 0.131                 |      |      | NA   |      |      |
|             | Axis       | X58.2;Y271.9;Z-170.8  |      |      | NA   |      |      |
| LTE Band 41 | SAR (W/kg) | 0.033                 |      |      | NA   |      |      |
|             | Axis       | X113.8;Y242.1;Z-127.4 |      |      | NA   |      |      |
| LTE Band 66 | SAR (W/kg) | 0.172                 |      |      | NA   |      |      |
|             | Axis       | X53.2;Y245.1;Z-169.4  |      |      | NA   |      |      |
| LTE Band 71 | SAR (W/kg) | 0.076                 |      |      | NA   |      |      |
|             | Axis       | X68.8;Y279.2;Z-168.5  |      |      | NA   |      |      |
| LTE Band 48 | SAR (W/kg) |                       | NA   |      |      |      |      |
|             | Axis       |                       | NA   |      |      |      |      |
| FR1 n2      | SAR (W/kg) | 0.12                  |      |      | NA   |      |      |
|             | Axis       | X53.1;Y244.9;Z-171.5  |      |      | NA   |      |      |
| FR1 n5      | SAR (W/kg) | 0.101                 |      |      | NA   |      |      |
|             | Axis       | X61.5;Y279.1;Z-170.8  |      |      | NA   |      |      |





# FCC SAR Test Report

Report No. : FA202807-01

|         |            |                      |    |                      |    |                      |                      |
|---------|------------|----------------------|----|----------------------|----|----------------------|----------------------|
| FR1 n7  | SAR (W/kg) | 0.078                |    |                      | NA |                      |                      |
|         | Axis       | X53.4;Y279.3;Z-171.6 |    |                      | NA |                      |                      |
| FR1 n14 | SAR (W/kg) | 0.133                |    |                      |    |                      |                      |
|         | Axis       | X68.8;Y281.7;Z-169.4 |    |                      |    |                      |                      |
| FR1 n66 | SAR (W/kg) | 0.144                |    |                      | NA |                      |                      |
|         | Axis       | X54.5;Y245.9;Z-168.2 |    |                      | NA |                      |                      |
| FR1 n71 | SAR (W/kg) | 0.058                |    |                      | NA |                      |                      |
|         | Axis       | X68.5;Y279.2;Z-170.2 |    |                      | NA |                      |                      |
| FR1 n41 | SAR (W/kg) | 0.095                | NA |                      | NA |                      | 0.352                |
|         | Axis       | X50.6;Y260.2;Z-170.8 | NA |                      | NA |                      | X53.5;Y244.4;Z-165.9 |
| FR1 n48 | SAR (W/kg) |                      | NA |                      |    |                      |                      |
|         | Axis       |                      | NA |                      |    |                      |                      |
| FR1 n77 | SAR (W/kg) |                      | NA | 0.985                |    | 0.974                | 0.33                 |
|         | Axis       |                      | NA | X23.8;Y320.7;Z-170.8 |    | X23.8;Y331.7;Z-169.8 | X53.5;Y247.2;Z-165.9 |

| Left Tilted |            |                      |      |      |      |      |      |
|-------------|------------|----------------------|------|------|------|------|------|
| Band        |            | Ant0                 | Ant2 | Ant4 | Ant1 | Ant5 | Ant7 |
| GSM850      | SAR (W/kg) | 0.161                |      |      | NA   |      |      |
|             | Axis       | X13.1;Y254.8;Z-168.5 |      |      | NA   |      |      |
| GSM1900     | SAR (W/kg) | 0.001                |      |      | NA   |      |      |
|             | Axis       | X41.4;Y260.5;Z-172.1 |      |      | NA   |      |      |
| WCDMA II    | SAR (W/kg) | 0.089                |      |      | NA   |      |      |
|             | Axis       | X12.7;Y254.6;Z-169.5 |      |      | NA   |      |      |
| WCDMA IV    | SAR (W/kg) | 0.045                |      |      | NA   |      |      |
|             | Axis       | X13;Y255.1;Z-169.8   |      |      | NA   |      |      |
| WCDMA V     | SAR (W/kg) | 0.162                |      |      | NA   |      |      |
|             | Axis       | X43.5;Y254.8;Z-172.3 |      |      | NA   |      |      |
| LTE Band 2  | SAR (W/kg) | 0.101                |      |      | NA   |      |      |
|             | Axis       | X12.5;Y254.8;Z-169.5 |      |      | NA   |      |      |
| LTE Band 7  | SAR (W/kg) | 0.009                |      |      | NA   |      |      |
|             | Axis       | X13.3;Y255.1;Z-169.8 |      |      | NA   |      |      |
| LTE Band 12 | SAR (W/kg) | 0.098                |      |      | NA   |      |      |
|             | Axis       | X41.2;Y255.4;Z-172.9 |      |      | NA   |      |      |
| LTE Band 13 | SAR (W/kg) | 0.125                |      |      | NA   |      |      |
|             | Axis       | X41.1;Y255.2;Z-172.6 |      |      | NA   |      |      |
| LTE Band 14 | SAR (W/kg) | 0.11                 |      |      | NA   |      |      |
|             | Axis       | X41.5;Y255.1;Z-172.8 |      |      | NA   |      |      |
| LTE Band 26 | SAR (W/kg) | 0.099                |      |      | NA   |      |      |
|             | Axis       | X44.7;Y253.5;Z-172.2 |      |      | NA   |      |      |
| LTE Band 41 | SAR (W/kg) | 0.052                |      |      | NA   |      |      |
|             | Axis       | X15.4;Y255.1;Z-170.8 |      |      | NA   |      |      |
| LTE Band 66 | SAR (W/kg) | 0.096                |      |      | NA   |      |      |
|             | Axis       | X15.1;Y253.1;Z-169.4 |      |      | NA   |      |      |
| LTE Band 71 | SAR (W/kg) | 0.034                |      |      | NA   |      |      |
|             | Axis       | X41.1;Y254.8;Z-171.3 |      |      | NA   |      |      |
| LTE Band 48 | SAR (W/kg) |                      | NA   |      |      |      |      |
|             | Axis       |                      | NA   |      |      |      |      |
| FR1 n2      | SAR (W/kg) | 0.001                |      |      | NA   |      |      |
|             | Axis       | X12.1;Y254.1;Z-169.6 |      |      | NA   |      |      |
| FR1 n5      | SAR (W/kg) | 0.067                |      |      | NA   |      |      |
|             | Axis       | X42.5;Y268.4;Z-172.9 |      |      | NA   |      |      |
| FR1 n7      | SAR (W/kg) | 0.042                |      |      | NA   |      |      |
|             | Axis       | X13.4;Y252.5;Z-169.8 |      |      | NA   |      |      |
| FR1 n14     | SAR (W/kg) | 0.107                |      |      |      |      |      |
|             | Axis       | X41.4;Y258.2;Z-171.3 |      |      |      |      |      |



# FCC SAR Test Report

Report No. : FA202807-01

|         |            |                      |    |                     |    |    |                      |
|---------|------------|----------------------|----|---------------------|----|----|----------------------|
| FR1 n66 | SAR (W/kg) | 0.069                |    |                     | NA |    |                      |
|         | Axis       | X10.7;Y255.4;Z-169.3 |    |                     | NA |    |                      |
| FR1 n71 | SAR (W/kg) | 0.001                |    |                     | NA |    |                      |
|         | Axis       | X41.4;Y254.5;Z-171.8 |    |                     | NA |    |                      |
| FR1 n41 | SAR (W/kg) | 0.045                | NA |                     | NA |    | 0.13                 |
|         | Axis       | X10.1;Y256.5;Z-168.9 | NA |                     | NA |    | X54.2;Y244.3;Z-169.7 |
| FR1 n48 | SAR (W/kg) |                      | NA |                     |    |    |                      |
|         | Axis       |                      | NA |                     |    |    |                      |
| FR1 n77 | SAR (W/kg) |                      | NA | 0.976               |    | NA | 0.173                |
|         | Axis       |                      | NA | X7.5;Y319.8;Z-169.6 |    | NA | X54.2;Y245.7;Z-169.7 |

## <Hotspot>

| Front     |      |                    |               |      |                  |
|-----------|------|--------------------|---------------|------|------------------|
| BT Ant6   | SAR  | 0.065              | WLAN2.4G MIMO | SAR  | 0.315            |
|           | Axis | X15;Y65.5;Z-203    |               | Axis | X-5;Y86.8;Z-203  |
| BT Ant3   | SAR  | 0.089              | WLAN5G MIMO   | SAR  | 0.385            |
|           | Axis | X-5.2;Y84.6;Z-203  |               | Axis | X5;Y65.9;Z-203   |
| Back      |      |                    |               |      |                  |
| BT Ant6   | SAR  | 0.053              | WLAN2.4G MIMO | SAR  | 0.288            |
|           | Axis | X-64.2;Y48.9;Z-203 |               | Axis | X-55;Y80.6;Z-203 |
| BT Ant3   | SAR  | 0.103              | WLAN5G MIMO   | SAR  | 0.236            |
|           | Axis | X-54.8;Y81.1;Z-203 |               | Axis | X-55;Y73.4;Z-203 |
| Left side |      |                    |               |      |                  |
| BT Ant6   | SAR  | 0.01               | WLAN2.4G MIMO | SAR  | 0.026            |
|           | Axis | X-41;Y82;Z-203     |               | Axis | X-41;Y83.7;Z-203 |
| BT Ant3   | SAR  | 0.001              | WLAN5G MIMO   | SAR  | 0.04             |
|           | Axis | X-41;Y79;Z-203     |               | Axis | X-25;Y64.1;Z-203 |

| Front       |      |                   |      |      |                  |      |      |
|-------------|------|-------------------|------|------|------------------|------|------|
| Band        |      | Ant0              | Ant2 | Ant4 | Ant1             | Ant5 | Ant7 |
| GSM850      | SAR  | 1.185             |      |      | 0.665            |      |      |
|             | Axis | X-40;Y-81.2;Z-203 |      |      | X-55;Y78.2;Z-203 |      |      |
| GSM1900     | SAR  | 0.424             |      |      | 0.53             |      |      |
|             | Axis | X-25;Y-77.9;Z-203 |      |      | X-55;Y88.1;Z-203 |      |      |
| WCDMA II    | SAR  | 0.621             |      |      | 0.778            |      |      |
|             | Axis | X-25;Y-76.1;Z-203 |      |      | X-55;Y87.6;Z-203 |      |      |
| WCDMA IV    | SAR  | 0.622             |      |      | 0.841            |      |      |
|             | Axis | X-25;Y-78.1;Z-203 |      |      | X-55;Y88.7;Z-203 |      |      |
| WCDMA V     | SAR  | 1.206             |      |      | 0.542            |      |      |
|             | Axis | X-40;Y-81.2;Z-203 |      |      | X-55;Y80.9;Z-203 |      |      |
| LTE Band 2  | SAR  | 0.662             |      |      | 0.904            |      |      |
|             | Axis | X-25;Y-79.1;Z-203 |      |      | X-55;Y87.8;Z-203 |      |      |
| LTE Band 7  | SAR  | 0.541             |      |      | 0.422            |      |      |
|             | Axis | X-25;Y-78.3;Z-203 |      |      | X-45;Y84.9;Z-203 |      |      |
| LTE Band 12 | SAR  | 1.036             |      |      | 0.413            |      |      |
|             | Axis | X-40;Y-84.5;Z-203 |      |      | X-55;Y73.6;Z-203 |      |      |
| LTE Band 13 | SAR  | 1.208             |      |      | 0.412            |      |      |
|             | Axis | X-25;Y-85.2;Z-203 |      |      | X-55;Y73.8;Z-203 |      |      |
| LTE Band 14 | SAR  | 1.203             |      |      | 0.407            |      |      |
|             | Axis | X-25;Y-85.1;Z-203 |      |      | X-55;Y74.6;Z-203 |      |      |
| LTE Band 26 | SAR  | 1.127             |      |      | 0.801            |      |      |
|             | Axis | X-25;Y-82.6;Z-203 |      |      | X-55;Y82.7;Z-203 |      |      |
| LTE Band 41 | SAR  | 0.558             |      |      | 0.52             |      |      |
|             | Axis | X-25;Y-81.2;Z-203 |      |      | X-35;Y87.5;Z-203 |      |      |
| LTE Band 66 | SAR  | 0.659             |      |      | 0.835            |      |      |
|             | Axis | X-10;Y-82.9;Z-203 |      |      | X-55;Y89.3;Z-203 |      |      |



# FCC SAR Test Report

Report No. : FA202807-01

|             |      |                   |                  |                    |                  |                |                   |
|-------------|------|-------------------|------------------|--------------------|------------------|----------------|-------------------|
| LTE Band 71 | SAR  | 0.851             |                  |                    | 0.373            |                |                   |
|             | Axis | X-25;Y-83.9;Z-203 |                  |                    | X-55;Y74.3;Z-203 |                |                   |
| LTE Band 48 | SAR  |                   | 0.35             |                    |                  |                |                   |
|             | Axis |                   | X-65;Y51.1;Z-203 |                    |                  |                |                   |
| FR1 n2      | SAR  | 0.613             |                  |                    | 0.665            |                |                   |
|             | Axis | X-25;Y-79.1;Z-203 |                  |                    | X-55;Y82.9;Z-203 |                |                   |
| FR1 n5      | SAR  | 1.028             |                  |                    | 0.656            |                |                   |
|             | Axis | X-25;Y-78.9;Z-203 |                  |                    | X-55;Y79.8;Z-203 |                |                   |
| FR1 n7      | SAR  | 0.713             |                  |                    | 0.454            |                |                   |
|             | Axis | X-25;Y-78.2;Z-203 |                  |                    | X-35;Y84.8;Z-203 |                |                   |
| FR1 n14     | SAR  | 0.799             |                  |                    |                  |                |                   |
|             | Axis | X-25;Y-83.5;Z-203 |                  |                    |                  |                |                   |
| FR1 n66     | SAR  | 0.844             |                  |                    | 0.623            |                |                   |
|             | Axis | X-10;Y-84.3;Z-203 |                  |                    | X-55;Y85.6;Z-203 |                |                   |
| FR1 n71     | SAR  | 0.085             |                  |                    | 0.244            |                |                   |
|             | Axis | X-25;Y-83.5;Z-203 |                  |                    | X-55;Y75.2;Z-203 |                |                   |
| FR1 n41     | SAR  | 0.636             | 0.445            |                    | 0.398            |                | 0.549             |
|             | Axis | X-35;Y-77.8;Z-203 | X-65;Y52.7;Z-203 |                    | X-35;Y86.1;Z-203 |                | X-65;Y-79.6;Z-203 |
| FR1 n48     | SAR  |                   | 0.421            |                    |                  |                |                   |
|             | Axis |                   | X-65;Y53.1;Z-203 |                    |                  |                |                   |
| FR1 n77     | SAR  |                   | 0.351            | 0.457              |                  | 0.473          | 1.195             |
|             | Axis |                   | X-65;Y53.8;Z-203 | X-15.3;Y83.2;Z-203 |                  | X5;Y82.2;Z-203 | X-65;Y-77.8;Z-203 |

| Back        |      |                   |                 |      |                  |      |      |
|-------------|------|-------------------|-----------------|------|------------------|------|------|
| Band        |      | Ant0              | Ant2            | Ant4 | Ant1             | Ant5 | Ant7 |
| GSM850      | SAR  | 1.035             |                 |      | 0.921            |      |      |
|             | Axis | X-25;Y-77.4;Z-203 |                 |      | X-10;Y74.9;Z-203 |      |      |
| GSM1900     | SAR  | 0.413             |                 |      | 0.558            |      |      |
|             | Axis | X-40;Y-78.8;Z-203 |                 |      | X-10;Y81.6;Z-203 |      |      |
| WCDMA II    | SAR  | 0.787             |                 |      | 0.932            |      |      |
|             | Axis | X-40;Y-79.8;Z-203 |                 |      | X-10;Y83.5;Z-203 |      |      |
| WCDMA IV    | SAR  | 0.723             |                 |      | 0.922            |      |      |
|             | Axis | X-25;Y-79.8;Z-203 |                 |      | X-10;Y85.6;Z-203 |      |      |
| WCDMA V     | SAR  | 1.081             |                 |      | 0.918            |      |      |
|             | Axis | X-10;Y-81.9;Z-203 |                 |      | X-10;Y76.1;Z-203 |      |      |
| LTE Band 2  | SAR  | 0.651             |                 |      | 0.989            |      |      |
|             | Axis | X-40;Y-81.2;Z-203 |                 |      | X-10;Y83.8;Z-203 |      |      |
| LTE Band 7  | SAR  | 1.071             |                 |      | 0.569            |      |      |
|             | Axis | X-15;Y-74;Z-203   |                 |      | X-5;Y76.5;Z-203  |      |      |
| LTE Band 12 | SAR  | 0.917             |                 |      | 0.731            |      |      |
|             | Axis | X-10;Y-78.8;Z-203 |                 |      | X-10;Y73.9;Z-203 |      |      |
| LTE Band 13 | SAR  | 1.075             |                 |      | 0.69             |      |      |
|             | Axis | X-10;Y-81.5;Z-203 |                 |      | X-10;Y75.1;Z-203 |      |      |
| LTE Band 14 | SAR  | 1.017             |                 |      | 0.644            |      |      |
|             | Axis | X-10;Y-80.9;Z-203 |                 |      | X-10;Y74.8;Z-203 |      |      |
| LTE Band 26 | SAR  | 1.088             |                 |      | 0.99             |      |      |
|             | Axis | X-10;Y-81.2;Z-203 |                 |      | X-10;Y75.7;Z-203 |      |      |
| LTE Band 41 | SAR  | 1.259             |                 |      | 0.691            |      |      |
|             | Axis | X-15;Y-75.8;Z-203 |                 |      | X-15;Y80.9;Z-203 |      |      |
| LTE Band 66 | SAR  | 0.813             |                 |      | 0.986            |      |      |
|             | Axis | X-25;Y-81.5;Z-203 |                 |      | X-10;Y84.2;Z-203 |      |      |
| LTE Band 71 | SAR  | 0.468             |                 |      | 0.731            |      |      |
|             | Axis | X-10;Y-81.6;Z-203 |                 |      | X-10;Y75.2;Z-203 |      |      |
| LTE Band 48 | SAR  |                   | 0.236           |      |                  |      |      |
|             | Axis |                   | X15;Y57.4;Z-203 |      |                  |      |      |
| FR1 n2      | SAR  | 0.607             |                 |      | 0.77             |      |      |



# FCC SAR Test Report

Report No. : FA202807-01

|         |      |                   |                 |                  |                  |                  |                 |
|---------|------|-------------------|-----------------|------------------|------------------|------------------|-----------------|
|         | Axis | X-40;Y-80.5;Z-203 |                 |                  | X-10;Y81.6;Z-203 |                  |                 |
| FR1 n5  | SAR  | 0.901             |                 |                  | 0.882            |                  |                 |
|         | Axis | X-10;Y-79.9;Z-203 |                 |                  | X-10;Y75.8;Z-203 |                  |                 |
| FR1 n7  | SAR  | 0.976             |                 |                  | 0.624            |                  |                 |
|         | Axis | X-15;Y-75.1;Z-203 |                 |                  | X-5;Y81.2;Z-203  |                  |                 |
| FR1 n14 | SAR  | 0.682             |                 |                  |                  |                  |                 |
|         | Axis | X-10;Y-80.8;Z-203 |                 |                  |                  |                  |                 |
| FR1 n66 | SAR  | 0.711             |                 |                  | 0.519            |                  |                 |
|         | Axis | X-25;Y-82.8;Z-203 |                 |                  | X-10;Y81.8;Z-203 |                  |                 |
| FR1 n71 | SAR  | 0.08              |                 |                  | 0.475            |                  |                 |
|         | Axis | X-10;Y-82.1;Z-203 |                 |                  | X-10;Y72.6;Z-203 |                  |                 |
| FR1 n41 | SAR  | 1.211             | 0.314           |                  | 0.582            |                  | 0.493           |
|         | Axis | X-15;Y-73.1;Z-203 | X15;Y52.6;Z-203 |                  | X-15;Y78.8;Z-203 |                  | X5;Y-71.9;Z-203 |
| FR1 n48 | SAR  |                   | 0.255           |                  |                  |                  |                 |
|         | Axis |                   | X15;Y56.4;Z-203 |                  |                  |                  |                 |
| FR1 n77 | SAR  |                   | 0.24            | 0.415            |                  | 0.383            | 0.933           |
|         | Axis |                   | X15;Y56.8;Z-203 | X-25;Y82.5;Z-203 |                  | X-55;Y77.8;Z-203 | X5;Y-68.8;Z-203 |

| Left Side   |      |      |                  |      |                    |      |      |
|-------------|------|------|------------------|------|--------------------|------|------|
| Band        |      | Ant0 | Ant2             | Ant4 | Ant1               | Ant5 | Ant7 |
| GSM850      | SAR  | NA   |                  |      | 0.353              |      |      |
|             | Axis | NA   |                  |      | X-33;Y71.2;Z-203   |      |      |
| GSM1900     | SAR  | NA   |                  |      | 0.313              |      |      |
|             | Axis | NA   |                  |      | X-33;Y78.9;Z-203   |      |      |
| WCDMA II    | SAR  | NA   |                  |      | 0.321              |      |      |
|             | Axis | NA   |                  |      | X-33;Y77.4;Z-203   |      |      |
| WCDMA IV    | SAR  | NA   |                  |      | 0.269              |      |      |
|             | Axis | NA   |                  |      | X-33;Y78.2;Z-203   |      |      |
| WCDMA V     | SAR  | NA   |                  |      | 0.401              |      |      |
|             | Axis | NA   |                  |      | X-33;Y67.8;Z-203   |      |      |
| LTE Band 2  | SAR  | NA   |                  |      | 0.444              |      |      |
|             | Axis | NA   |                  |      | X-33;Y77.6;Z-203   |      |      |
| LTE Band 7  | SAR  | NA   |                  |      | 0.07               |      |      |
|             | Axis | NA   |                  |      | X-33;Y86.3;Z-203   |      |      |
| LTE Band 12 | SAR  | NA   |                  |      | 0.428              |      |      |
|             | Axis | NA   |                  |      | X-22;Y67.2;Z-203   |      |      |
| LTE Band 13 | SAR  | NA   |                  |      | 0.266              |      |      |
|             | Axis | NA   |                  |      | X-22;Y67.4;Z-203   |      |      |
| LTE Band 14 | SAR  | NA   |                  |      | 0.261              |      |      |
|             | Axis | NA   |                  |      | X-22;Y65.3;Z-203   |      |      |
| LTE Band 26 | SAR  | NA   |                  |      | 0.534              |      |      |
|             | Axis | NA   |                  |      | X-33;Y71.9.8;Z-203 |      |      |
| LTE Band 66 | SAR  | NA   |                  |      | 0.26               |      |      |
|             | Axis | NA   |                  |      | X-33;Y77.9;Z-203   |      |      |
| LTE Band 71 | SAR  | NA   |                  |      | 0.518              |      |      |
|             | Axis | NA   |                  |      | X-22;Y67.3;Z-203   |      |      |
| LTE Band 41 | SAR  | NA   |                  |      | 0.051              |      |      |
|             | Axis | NA   |                  |      |                    |      |      |
| LTE Band 48 | SAR  |      | 0.99             |      |                    |      |      |
|             | Axis |      | X-33;Y52.9;Z-203 |      |                    |      |      |
| FR1 n2      | SAR  | NA   |                  |      | 0.247              |      |      |
|             | Axis | NA   |                  |      | X-33;Y73.8;Z-203   |      |      |
| FR1 n5      | SAR  | NA   |                  |      | 0.416              |      |      |
|             | Axis | NA   |                  |      | X-33;Y70.1;Z-203   |      |      |
| FR1 n7      | SAR  | NA   |                  |      | 0.064              |      |      |
|             | Axis | NA   |                  |      | X-41;Y82.8;Z-203   |      |      |



# FCC SAR Test Report

Report No. : FA202807-01

|         |      |    |                  |    |                  |    |                   |
|---------|------|----|------------------|----|------------------|----|-------------------|
| FR1 n14 | SAR  | NA |                  |    |                  |    |                   |
|         | Axis | NA |                  |    |                  |    |                   |
| FR1 n66 | SAR  | NA |                  |    | 0.205            |    |                   |
|         | Axis | NA |                  |    | X-33;Y72.7;Z-203 |    |                   |
| FR1 n71 | SAR  | NA |                  |    | 0.334            |    |                   |
|         | Axis | NA |                  |    | X-22;Y66.3;Z-203 |    |                   |
| FR1 n41 | SAR  | NA | 0.98             |    | 0.055            |    | 1.235             |
|         | Axis | NA | X-33;Y51.3;Z-203 |    | X-33;Y83.8;Z-203 |    | X-25;Y-68.1;Z-203 |
| FR1 n48 | SAR  |    | 0.953            |    |                  |    |                   |
|         | Axis |    | X-33;Y51.1;Z-203 |    |                  |    |                   |
| FR1 n77 | SAR  |    | 0.978            | NA |                  | NA | 1.238             |
|         | Axis |    | X-33;Y50.4;Z-203 | NA |                  | NA | X-25;Y-63.2;Z-203 |

## <Body-worn>

Body front

| Front   |      |                    |                  |      |                  |                |      |                   |
|---------|------|--------------------|------------------|------|------------------|----------------|------|-------------------|
| BT Ant6 | SAR  | 0.065              | WLAN2.4G<br>MIMO | SAR  | 0.4              |                |      |                   |
|         | Axis | X15;Y65.5;Z-203    |                  | Axis | X-5;Y86.8;Z-203  |                |      |                   |
| BT Ant3 | SAR  | 0.089              | WLAN5G<br>MIMO   | SAR  | 0.385            | WLAN6E<br>MIMO | SAR  | 0.17              |
|         | Axis | X-5.2;Y84.6;Z-203  |                  | Axis | X5;Y65.9;Z-203   |                | Axis | X-8.2;Y75.9;Z-203 |
| Back    |      |                    |                  |      |                  |                |      |                   |
| BT Ant6 | SAR  | 0.053              | WLAN2.4G<br>MIMO | SAR  | 0.318            |                |      |                   |
|         | Axis | X-64.2;Y48.9;Z-203 |                  | Axis | X-55;Y80.6;Z-203 |                |      |                   |
| BT Ant3 | SAR  | 0.103              | WLAN5G<br>MIMO   | SAR  | 0.236            | WLAN6E<br>MIMO | SAR  | 0.2               |
|         | Axis | X-54.8;Y81.1;Z-203 |                  | Axis | X-55;Y73.4;Z-203 |                | Axis | X-41;Y82.5;Z-203  |

| Front       |      |                   |      |      |                  |      |      |
|-------------|------|-------------------|------|------|------------------|------|------|
| Band        |      | Ant0              | Ant2 | Ant4 | Ant1             | Ant5 | Ant7 |
| GSM850      | SAR  | 1.185             |      |      | 0.665            |      |      |
|             | Axis | X-40;Y-81.2;Z-203 |      |      | X-55;Y78.2;Z-203 |      |      |
| GSM1900     | SAR  | 0.424             |      |      | 0.53             |      |      |
|             | Axis | X-25;Y-77.9;Z-203 |      |      | X-55;Y88.1;Z-203 |      |      |
| WCDMA II    | SAR  | 0.621             |      |      | 0.778            |      |      |
|             | Axis | X-25;Y-76.1;Z-203 |      |      | X-55;Y87.6;Z-203 |      |      |
| WCDMA IV    | SAR  | 0.622             |      |      | 0.841            |      |      |
|             | Axis | X-25;Y-78.1;Z-203 |      |      | X-55;Y88.7;Z-203 |      |      |
| WCDMA V     | SAR  | 1.206             |      |      | 0.542            |      |      |
|             | Axis | X-40;Y-81.2;Z-203 |      |      | X-55;Y80.9;Z-203 |      |      |
| LTE Band 2  | SAR  | 0.662             |      |      | 0.904            |      |      |
|             | Axis | X-25;Y-79.1;Z-203 |      |      | X-55;Y87.8;Z-203 |      |      |
| LTE Band 7  | SAR  | 0.541             |      |      | 0.422            |      |      |
|             | Axis | X-25;Y-78.3;Z-203 |      |      | X-45;Y84.9;Z-203 |      |      |
| LTE Band 12 | SAR  | 1.036             |      |      | 0.413            |      |      |
|             | Axis | X-40;Y-84.5;Z-203 |      |      | X-55;Y73.6;Z-203 |      |      |
| LTE Band 13 | SAR  | 1.208             |      |      | 0.412            |      |      |
|             | Axis | X-25;Y-85.2;Z-203 |      |      | X-55;Y73.8;Z-203 |      |      |
| LTE Band 14 | SAR  | 1.203             |      |      | 0.407            |      |      |
|             | Axis | X-25;Y-85.1;Z-203 |      |      | X-55;Y74.6;Z-203 |      |      |
| LTE Band 26 | SAR  | 1.127             |      |      | 0.801            |      |      |
|             | Axis | X-25;Y-82.6;Z-203 |      |      | X-55;Y82.7;Z-203 |      |      |
| LTE Band 41 | SAR  | 0.558             |      |      | 0.52             |      |      |
|             | Axis | X-25;Y-81.2;Z-203 |      |      | X-35;Y87.5;Z-203 |      |      |
| LTE Band 66 | SAR  | 0.659             |      |      | 0.835            |      |      |
|             | Axis | X-10;Y-82.9;Z-203 |      |      | X-55;Y89.3;Z-203 |      |      |
| LTE Band 71 | SAR  | 0.851             |      |      | 0.373            |      |      |
|             | Axis | X-25;Y-83.9;Z-203 |      |      | X-55;Y74.3;Z-203 |      |      |
| LTE Band 48 | SAR  |                   | 0.35 |      |                  |      |      |



# FCC SAR Test Report

Report No. : FA202807-01

|         |      |                   |                  |                    |                  |                |                   |
|---------|------|-------------------|------------------|--------------------|------------------|----------------|-------------------|
|         | Axis |                   | X-65;Y51.1;Z-203 |                    |                  |                |                   |
| FR1 n2  | SAR  | 0.613             |                  |                    | 0.665            |                |                   |
|         | Axis | X-25;Y-79.1;Z-203 |                  |                    | X-55;Y82.9;Z-203 |                |                   |
| FR1 n5  | SAR  | 1.028             |                  |                    | 0.656            |                |                   |
|         | Axis | X-25;Y-78.9;Z-203 |                  |                    | X-55;Y79.8;Z-203 |                |                   |
| FR1 n7  | SAR  | 0.713             |                  |                    | 0.454            |                |                   |
|         | Axis | X-25;Y-78.2;Z-203 |                  |                    | X-35;Y84.8;Z-203 |                |                   |
| FR1 n14 | SAR  | 0.799             |                  |                    |                  |                |                   |
|         | Axis | X-25;Y-83.5;Z-203 |                  |                    |                  |                |                   |
| FR1 n66 | SAR  | 0.844             |                  |                    | 0.623            |                |                   |
|         | Axis | X-10;Y-84.3;Z-203 |                  |                    | X-55;Y85.6;Z-203 |                |                   |
| FR1 n71 | SAR  | 0.085             |                  |                    | 0.244            |                |                   |
|         | Axis | X-25;Y-83.5;Z-203 |                  |                    | X-55;Y75.2;Z-203 |                |                   |
| FR1 n41 | SAR  | 0.636             | 0.445            |                    | 0.398            |                | 0.549             |
|         | Axis | X-35;Y-77.8;Z-203 | X-65;Y52.7;Z-203 |                    | X-35;Y86.1;Z-203 |                | X-65;Y-79.6;Z-203 |
| FR1 n48 | SAR  |                   | 0.421            |                    |                  |                |                   |
|         | Axis |                   | X-65;Y53.1;Z-203 |                    |                  |                |                   |
| FR1 n77 | SAR  |                   | 0.351            | 0.457              |                  | 0.473          | 1.195             |
|         | Axis |                   | X-65;Y53.8;Z-203 | X-15.3;Y83.2;Z-203 |                  | X5;Y82.2;Z-203 | X-65;Y-77.8;Z-203 |

| Back        |      |                   |                 |      |                  |      |      |
|-------------|------|-------------------|-----------------|------|------------------|------|------|
| Band        |      | Ant0              | Ant2            | Ant4 | Ant1             | Ant5 | Ant7 |
| GSM850      | SAR  | 1.035             |                 |      | 0.921            |      |      |
|             | Axis | X-25;Y-77.4;Z-203 |                 |      | X-10;Y74.9;Z-203 |      |      |
| GSM1900     | SAR  | 0.413             |                 |      | 0.558            |      |      |
|             | Axis | X-40;Y-78.8;Z-203 |                 |      | X-10;Y81.6;Z-203 |      |      |
| WCDMA II    | SAR  | 0.787             |                 |      | 0.932            |      |      |
|             | Axis | X-40;Y-79.8;Z-203 |                 |      | X-10;Y83.5;Z-203 |      |      |
| WCDMA IV    | SAR  | 0.723             |                 |      | 0.922            |      |      |
|             | Axis | X-25;Y-79.8;Z-203 |                 |      | X-10;Y85.6;Z-203 |      |      |
| WCDMA V     | SAR  | 1.081             |                 |      | 0.918            |      |      |
|             | Axis | X-10;Y-81.9;Z-203 |                 |      | X-10;Y76.1;Z-203 |      |      |
| LTE Band 2  | SAR  | 0.651             |                 |      | 0.989            |      |      |
|             | Axis | X-40;Y-81.2;Z-203 |                 |      | X-10;Y83.8;Z-203 |      |      |
| LTE Band 7  | SAR  | 1.071             |                 |      | 0.569            |      |      |
|             | Axis | X-15;Y-74;Z-203   |                 |      | X-5;Y76.5;Z-203  |      |      |
| LTE Band 12 | SAR  | 0.917             |                 |      | 0.731            |      |      |
|             | Axis | X-10;Y-78.8;Z-203 |                 |      | X-10;Y73.9;Z-203 |      |      |
| LTE Band 13 | SAR  | 1.075             |                 |      | 0.69             |      |      |
|             | Axis | X-10;Y-81.5;Z-203 |                 |      | X-10;Y75.1;Z-203 |      |      |
| LTE Band 14 | SAR  | 1.017             |                 |      | 0.644            |      |      |
|             | Axis | X-10;Y-80.9;Z-203 |                 |      | X-10;Y74.8;Z-203 |      |      |
| LTE Band 26 | SAR  | 1.088             |                 |      | 0.99             |      |      |
|             | Axis | X-10;Y-81.2;Z-203 |                 |      | X-10;Y75.7;Z-203 |      |      |
| LTE Band 41 | SAR  | 1.259             |                 |      | 0.691            |      |      |
|             | Axis | X-15;Y-75.8;Z-203 |                 |      | X-15;Y80.9;Z-203 |      |      |
| LTE Band 66 | SAR  | 0.813             |                 |      | 0.986            |      |      |
|             | Axis | X-25;Y-81.5;Z-203 |                 |      | X-10;Y84.2;Z-203 |      |      |
| LTE Band 71 | SAR  | 0.468             |                 |      | 0.731            |      |      |
|             | Axis | X-10;Y-81.6;Z-203 |                 |      | X-10;Y75.2;Z-203 |      |      |
| LTE Band 48 | SAR  |                   | 0.236           |      |                  |      |      |
|             | Axis |                   | X15;Y57.4;Z-203 |      |                  |      |      |
| FR1 n2      | SAR  | 0.607             |                 |      | 0.77             |      |      |
|             | Axis | X-40;Y-80.5;Z-203 |                 |      | X-10;Y81.6;Z-203 |      |      |
| FR1 n5      | SAR  | 0.901             |                 |      | 0.882            |      |      |
|             | Axis | X-10;Y-79.9;Z-203 |                 |      | X-10;Y75.8;Z-203 |      |      |



# FCC SAR Test Report

Report No. : FA202807-01

|         |      |                   |                 |                  |                  |                  |                 |
|---------|------|-------------------|-----------------|------------------|------------------|------------------|-----------------|
| FR1 n7  | SAR  | 0.976             |                 |                  | 0.624            |                  |                 |
|         | Axis | X-15;Y-75.1;Z-203 |                 |                  | X-5;Y81.2;Z-203  |                  |                 |
| FR1 n14 | SAR  | 0.682             |                 |                  |                  |                  |                 |
|         | Axis | X-10;Y-80.8;Z-203 |                 |                  |                  |                  |                 |
| FR1 n66 | SAR  | 0.711             |                 |                  | 0.519            |                  |                 |
|         | Axis | X-25;Y-82.8;Z-203 |                 |                  | X-10;Y81.8;Z-203 |                  |                 |
| FR1 n71 | SAR  | 0.08              |                 |                  | 0.475            |                  |                 |
|         | Axis | X-10;Y-82.1;Z-203 |                 |                  | X-10;Y72.6;Z-203 |                  |                 |
| FR1 n41 | SAR  | 1.211             | 0.314           |                  | 0.582            |                  | 0.493           |
|         | Axis | X-15;Y-73.1;Z-203 | X15;Y52.6;Z-203 |                  | X-15;Y78.8;Z-203 |                  | X5;Y-71.9;Z-203 |
| FR1 n48 | SAR  |                   | 0.255           |                  |                  |                  |                 |
|         | Axis |                   | X15;Y56.4;Z-203 |                  |                  |                  |                 |
| FR1 n77 | SAR  |                   | 0.24            | 0.415            |                  | 0.383            | 0.933           |
|         | Axis |                   | X15;Y56.8;Z-203 | X-25;Y82.5;Z-203 |                  | X-55;Y77.8;Z-203 | X5;Y-68.8;Z-203 |





## &lt;Extremity&gt;

| Front         |      |                    |
|---------------|------|--------------------|
| WLAN2.4G MIMO | SAR  | 0.792              |
|               | Axis | X-5;Y85.9;Z-203    |
| WLAN5G MIMO   | SAR  | 0.781              |
|               | Axis | X5;Y75.9;Z-203     |
| WLAN6E MIMO   | SAR  | 0.391              |
|               | Axis | X-16.5;Y84.2;Z-203 |
| Back          |      |                    |
| WLAN2.4G MIMO | SAR  | 0.529              |
|               | Axis | X-55;Y80.2;Z-203   |
| WLAN5G MIMO   | SAR  | 0.2                |
|               | Axis | X-65;Y70.8;Z-203   |
| WLAN6E MIMO   | SAR  | 0.141              |
|               | Axis | X-42;Y81.9;Z-203   |
| Left side     |      |                    |
| WLAN5G MIMO   | SAR  | 0.017              |
|               | Axis | X-25;Y70.4;Z-203   |

| Front       |      |                   |                  |      |                  |      |      |
|-------------|------|-------------------|------------------|------|------------------|------|------|
| Band        |      | Ant0              | Ant2             | Ant4 | Ant1             | Ant5 | Ant7 |
| GSM850      | SAR  | 1.196             |                  |      |                  |      |      |
|             | Axis | X-17;Y-99.1;Z-203 |                  |      |                  |      |      |
| GSM1900     | SAR  | 2.687             |                  |      | 2.606            |      |      |
|             | Axis | X-17;Y-98.6;Z-203 |                  |      | X-55;Y84.8;Z-203 |      |      |
| WCDMA II    | SAR  | 2.707             |                  |      | 2.246            |      |      |
|             | Axis | X-10;Y-98.4;Z-203 |                  |      | X-55;Y83.9;Z-203 |      |      |
| WCDMA IV    | SAR  | 2.749             |                  |      | 2.081            |      |      |
|             | Axis | X-10;Y-99.6;Z-203 |                  |      | X-55;Y83.8;Z-203 |      |      |
| WCDMA V     | SAR  | 2.663             |                  |      |                  |      |      |
|             | Axis | X-25;Y-99.1;Z-203 |                  |      |                  |      |      |
| LTE Band 2  | SAR  | 2.719             |                  |      | 1.811            |      |      |
|             | Axis | X-10;Y-99.3;Z-203 |                  |      | X-55;Y85.3;Z-203 |      |      |
| LTE Band 7  | SAR  | 1.685             |                  |      | 1.759            |      |      |
|             | Axis | X-35;Y-99.4;Z-203 |                  |      | X-35;Y83.8;Z-203 |      |      |
| LTE Band 12 | SAR  |                   |                  |      |                  |      |      |
|             | Axis |                   |                  |      |                  |      |      |
| LTE Band 13 | SAR  |                   |                  |      |                  |      |      |
|             | Axis |                   |                  |      |                  |      |      |
| LTE Band 14 | SAR  | 2.304             |                  |      |                  |      |      |
|             | Axis | X-10;Y-97.5;Z-203 |                  |      |                  |      |      |
| LTE Band 26 | SAR  |                   |                  |      |                  |      |      |
|             | Axis |                   |                  |      |                  |      |      |
| LTE Band 41 | SAR  | 1.872             |                  |      | 1.702            |      |      |
|             | Axis | X-35;Y-97.6;Z-203 |                  |      | X-35;Y85.2;Z-203 |      |      |
| LTE Band 66 | SAR  | 2.747             |                  |      | 2.021            |      |      |
|             | Axis | X-10;Y-99.1;Z-203 |                  |      | X-55;Y86.4;Z-203 |      |      |
| LTE Band 71 | SAR  |                   |                  |      |                  |      |      |
|             | Axis |                   |                  |      |                  |      |      |
| LTE Band 48 | SAR  |                   | 1.661            |      |                  |      |      |
|             | Axis |                   | X-65;Y53.4;Z-203 |      |                  |      |      |
| FR1 n2      | SAR  | 2.742             |                  |      | 2.352            |      |      |
|             | Axis | X-10;Y-97.8;Z-203 |                  |      | X-55;Y81.2;Z-203 |      |      |
| FR1 n5      | SAR  |                   |                  |      |                  |      |      |
|             | Axis |                   |                  |      |                  |      |      |
| FR1 n7      | SAR  | 1.408             |                  |      | 1.625            |      |      |
|             | Axis | X-35;Y-99.2;Z-203 |                  |      | X-35;Y85.1;Z-203 |      |      |
| FR1 n14     | SAR  |                   |                  |      |                  |      |      |



# FCC SAR Test Report

Report No. : FA202807-01

|         |      |                   |                  |                  |                  |                |                   |
|---------|------|-------------------|------------------|------------------|------------------|----------------|-------------------|
|         | Axis |                   |                  |                  |                  |                |                   |
| FR1 n66 | SAR  | 2.67              |                  |                  | 2.756            |                |                   |
|         | Axis | X-10;Y-99.3;Z-203 |                  |                  | X-55;Y82.8;Z-203 |                |                   |
| FR1 n71 | SAR  |                   |                  |                  |                  |                |                   |
|         | Axis |                   |                  |                  |                  |                |                   |
| FR1 n41 | SAR  |                   | 2.019            |                  | 1.994            |                |                   |
|         | Axis |                   | X-65;Y48.9;Z-203 |                  | X-35;Y85.7;Z-203 |                |                   |
| FR1 n48 | SAR  |                   | 1.85             |                  |                  |                |                   |
|         | Axis |                   | X-65;Y52.8;Z-203 |                  |                  |                |                   |
| FR1 n77 | SAR  |                   | 1.703            | 2.765            |                  | 2.738          | 1.43              |
|         | Axis |                   | X-65;Y54.2;Z-203 | X-15;Y83.2;Z-203 |                  | X5;Y74.7;Z-203 | X-55;Y-70.8;Z-203 |

| Back        |      |                   |                |      |                  |      |      |
|-------------|------|-------------------|----------------|------|------------------|------|------|
| Band        |      | Ant0              | Ant2           | Ant4 | Ant1             | Ant5 | Ant7 |
| GSM850      | SAR  |                   |                |      |                  |      |      |
|             | Axis |                   |                |      |                  |      |      |
| GSM1900     | SAR  | 2.637             |                |      | 1.514            |      |      |
|             | Axis | X-31;Y-79.3;Z-203 |                |      | X-10;Y81.6;Z-203 |      |      |
| WCDMA II    | SAR  | 2.65              |                |      | 1.621            |      |      |
|             | Axis | X-25;Y-82.8;Z-203 |                |      | X-10;Y81.8;Z-203 |      |      |
| WCDMA IV    | SAR  | 2.514             |                |      | 1.688            |      |      |
|             | Axis | X-25;Y-83.2;Z-203 |                |      | X-10;Y82.6;Z-203 |      |      |
| WCDMA V     | SAR  |                   |                |      | 1.541            |      |      |
|             | Axis |                   |                |      | X-10;Y82.2;Z-203 |      |      |
| LTE Band 2  | SAR  | 2.637             |                |      | 1.228            |      |      |
|             | Axis | X-25;Y-82.6;Z-203 |                |      | X-10;Y81.6;Z-203 |      |      |
| LTE Band 7  | SAR  | 2.755             |                |      | 1.647            |      |      |
|             | Axis | X-15;Y-75.5;Z-203 |                |      | X-5;Y78.5;Z-203  |      |      |
| LTE Band 12 | SAR  |                   |                |      |                  |      |      |
|             | Axis |                   |                |      |                  |      |      |
| LTE Band 13 | SAR  |                   |                |      |                  |      |      |
|             | Axis |                   |                |      |                  |      |      |
| LTE Band 14 | SAR  |                   |                |      |                  |      |      |
|             | Axis |                   |                |      |                  |      |      |
| LTE Band 26 | SAR  |                   |                |      | 2.076            |      |      |
|             | Axis |                   |                |      | X-10;Y81.1;Z-203 |      |      |
| LTE Band 41 | SAR  | 2.721             |                |      | 1.517            |      |      |
|             | Axis | X-15;Y-75.6;Z-203 |                |      | X-5;Y80.6;Z-203  |      |      |
| LTE Band 66 | SAR  | 2.471             |                |      | 1.504            |      |      |
|             | Axis | X-25;Y-81.9;Z-203 |                |      | X-10;Y81.8;Z-203 |      |      |
| LTE Band 71 | SAR  |                   |                |      |                  |      |      |
|             | Axis |                   |                |      |                  |      |      |
| LTE Band 48 | SAR  |                   | 0.689          |      |                  |      |      |
|             | Axis |                   | X5;Y54.3;Z-203 |      |                  |      |      |
| FR1 n2      | SAR  | 2.609             |                |      | 1.628            |      |      |
|             | Axis | X-25;Y-82.5;Z-203 |                |      | X-10;Y79.6;Z-203 |      |      |
| FR1 n5      | SAR  |                   |                |      |                  |      |      |
|             | Axis |                   |                |      |                  |      |      |
| FR1 n7      | SAR  | 1.655             |                |      | 1.508            |      |      |
|             | Axis | X-15;Y-74.3;Z-203 |                |      | X-5;Y79.4;Z-203  |      |      |
| FR1 n14     | SAR  |                   |                |      |                  |      |      |
|             | Axis |                   |                |      |                  |      |      |
| FR1 n66     | SAR  | 2.719             |                |      | 1.76             |      |      |
|             | Axis | X-25;Y-81.9;Z-203 |                |      | X-10;Y78.1;Z-203 |      |      |
| FR1 n71     | SAR  |                   |                |      |                  |      |      |
|             | Axis |                   |                |      |                  |      |      |
| FR1 n41     | SAR  | 2.756             | 1.454          |      | 1.72             |      |      |
|             | Axis | X-25;Y-69.1;Z-203 | X5;Y54.9;Z-203 |      | X-15;Y77.6;Z-203 |      |      |



# FCC SAR Test Report

Report No. : FA202807-01

|         |      |  |                 |                  |  |    |    |
|---------|------|--|-----------------|------------------|--|----|----|
| FR1 n48 | SAR  |  | 0.699           |                  |  |    |    |
|         | Axis |  | X5;Y55.3;Z-203  |                  |  |    |    |
| FR1 n77 | SAR  |  | 0.803           | 1.326            |  | NA | NA |
|         | Axis |  | X15;Y56.8;Z-203 | X-25;Y82.8;Z-203 |  | NA | NA |

| Left Side   |      |      |                    |      |      |      |                   |
|-------------|------|------|--------------------|------|------|------|-------------------|
| Band        |      | Ant0 | Ant2               | Ant4 | Ant1 | Ant5 | Ant7              |
| GSM850      | SAR  |      |                    |      |      |      |                   |
|             | Axis |      |                    |      |      |      |                   |
| GSM1900     | SAR  | NA   |                    |      | NA   |      |                   |
|             | Axis | NA   |                    |      | NA   |      |                   |
| WCDMA II    | SAR  | NA   |                    |      | NA   |      |                   |
|             | Axis | NA   |                    |      | NA   |      |                   |
| WCDMA IV    | SAR  | NA   |                    |      | NA   |      |                   |
|             | Axis | NA   |                    |      | NA   |      |                   |
| WCDMA V     | SAR  |      |                    |      | NA   |      |                   |
|             | Axis |      |                    |      | NA   |      |                   |
| LTE Band 2  | SAR  | NA   |                    |      | NA   |      |                   |
|             | Axis | NA   |                    |      | NA   |      |                   |
| LTE Band 7  | SAR  | NA   |                    |      | NA   |      |                   |
|             | Axis | NA   |                    |      | NA   |      |                   |
| LTE Band 12 | SAR  |      |                    |      |      |      |                   |
|             | Axis |      |                    |      |      |      |                   |
| LTE Band 13 | SAR  |      |                    |      |      |      |                   |
|             | Axis |      |                    |      |      |      |                   |
| LTE Band 14 | SAR  |      |                    |      |      |      |                   |
|             | Axis |      |                    |      |      |      |                   |
| LTE Band 26 | SAR  |      |                    |      | NA   |      |                   |
|             | Axis |      |                    |      | NA   |      |                   |
| LTE Band 41 | SAR  | NA   |                    |      | NA   |      |                   |
|             | Axis | NA   |                    |      | NA   |      |                   |
| LTE Band 66 | SAR  | NA   |                    |      | NA   |      |                   |
|             | Axis | NA   |                    |      | NA   |      |                   |
| LTE Band 71 | SAR  |      |                    |      |      |      |                   |
|             | Axis |      |                    |      |      |      |                   |
| LTE Band 48 | SAR  |      | 2.740              |      |      |      |                   |
|             | Axis |      | X-33;Y72.9;Z-203   |      |      |      |                   |
| FR1 n2      | SAR  | NA   |                    |      | NA   |      |                   |
|             | Axis | NA   |                    |      | NA   |      |                   |
| FR1 n5      | SAR  |      |                    |      |      |      |                   |
|             | Axis |      |                    |      |      |      |                   |
| FR1 n7      | SAR  | NA   |                    |      | NA   |      |                   |
|             | Axis | NA   |                    |      | NA   |      |                   |
| FR1 n14     | SAR  |      |                    |      |      |      |                   |
|             | Axis |      |                    |      |      |      |                   |
| FR1 n66     | SAR  | NA   |                    |      | NA   |      |                   |
|             | Axis | NA   |                    |      | NA   |      |                   |
| FR1 n71     | SAR  |      |                    |      |      |      |                   |
|             | Axis |      |                    |      |      |      |                   |
| FR1 n41     | SAR  | NA   | 2.718              |      | NA   |      |                   |
|             | Axis | NA   | X-33;Y75.3;Z-203   |      | NA   |      |                   |
| FR1 n48     | SAR  |      | 2.748              |      |      |      |                   |
|             | Axis |      | X-33;Y72.4;Z-203   |      |      |      |                   |
| FR1 n77     | SAR  |      | 2.707              | NA   |      | NA   | 2.752             |
|             | Axis |      | X-33;Y70.6.7;Z-203 | NA   |      | NA   | X-25;Y-86.8;Z-203 |

## **18. Supplemental tuner tests results**

### **General Note:**

1. This device implements impedance tuner (144 states) antenna tuning techniques in the WCDMA B2/4/5, LTE Band 2/4/5/7/12/26/66/38/41, and 5GNR n5/n7/n66/n41 for ANT0.
2. This device implements impedance tuner (144 states) antenna tuning techniques in the WCDMA B2/4/5, LTE Band 2/4/5/7/12/26/66/38/41, and 5GNR n7/n41 for ANT1.
3. LTE B38 / B5 SAR test was covered by LTE B41 / B26; according to April 2015 TCB workshop, SAR test for overlapping LTE bands can be reduced.
4. SAR test proposal was measured according to the normally required SAR configurations with the tuner active and worst tune state (auto tune) was used for SAR testing and this design will provide the highest power at different user scenarios and would not influence to the antenna characteristics other than impedance matching. The additional tuner hardware has no influence to the antenna characteristics, other than impedance matching.
5. The following test procedure was followed to demonstrate that the SAR results in this report represent the appropriate SAR test conditions. For bands with dynamic tuning implemented, SAR will be measured according to the required FCC SAR test procedures with the dynamic tuner active to allow the device to automatically tune to the antenna state for the respective RF exposure test configurations. Additional single point SAR time-sweep measurements will be evaluated for other tuner states to determine that the other tuner configurations would result in equivalent or lower SAR values.
6. To evaluate all of the tuner states, the 144 tuner states for ANT0 and the impedance tuner 144 states for ANT1 are divided evenly among band, mode and exposure combinations so that at least one single point SAR measurement is measured in each configuration. Single point time-sweep measurements will be performed at the peak SAR location determined by the zoom scan of the configuration with the highest reported SAR for each combination. The tuner state will be established remotely so that the device is not moved for the entire series of single point SAR for the tuner states in each combination. The SAR probe will remain stationary at the same position throughout the entire series of single point measurements for each combination.
7. According to April 2019 TCB workshop, total number tuner states divided evenly among each supported band / air interface and exposure condition combination.
8. According to April 2019 TCB workshop, if any single point SAR measurement result is  $> 1.2 \text{ W/kg}$  for a band/exposure condition combination set, all supported tuner states are evaluated with single point SAR measurements for the combination. So we verified the single point SAR that bands with SAR value high than  $1.2 \text{ W/kg}$ .
9. The tuner state was established remotely through Wi-Fi so that the device is not moved for the entire series of single point SAR for the tuner states in each combination (band, mode, exposure conditions).
10. The operational decryption contains more information about the design and implementation of the dynamic antenna tuning.

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

Please refer to Appendix F.

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## **19. Uncertainty Assessment**

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

## **20. References**

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

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